2019

CATALOGUE

Commercial / Professional Audio & Audio Visual

PA
Public Address



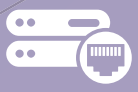
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Audio Visual



SR
Sound
Reinforcement



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MISSION
Transmission



Ver.1

interM

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ICON LIST



POWER
AC only



SOURCE
internet radio



Function
Priority



Output terminal
High-Z



POWER
DC only



Zone control
Controllable zone



Function
Controlling through web browser



Output terminal
Support 70V/100V output



POWER
AC/DC



EQ
Equalizer



Dustproof/ Waterproof
IP rating



Output
Output per channel



SOURCE
USB



Output circuit
Class-D



Speaker unit
Unit quantity



SOURCE
Tuner



Function
DSP



Speaker unit
Driver size



SOURCE
SD Card



Function
Bridge Mode



Output terminal
High-Z/Low-Z



SOURCE
CD



Function
PC Control



Output terminal
Low-Z

SOURCE

CD/MP3/WMA Player

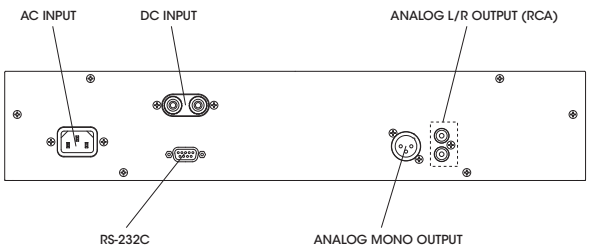
CD-610U



Features

- Supports multi-format encoder
- Decoder such as CD-DA, WMA, MP3 and WAV
- USB Audio Playback
- RS-232 Control port compatible with AMX, Crestron,Inter-m Systems and other 3rd Party Controllers
- STEREO(RCA,XLR), MONO(XLR) Output
- AUTO PLAY (Selectable CD/USB/MEM)
- 20-step PITCH Control
- Burr-Brown PCM 1796 - DAC
- Power Source : AC 100-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Weight : 4.7kg / 10.4lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Multi Source Player

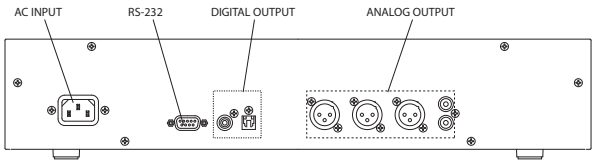
CD-6208



Features

- CD-DA/MP3/WMA/WAV
- Single CD Player with USB port
- Virtual Disc can hold up to 6 standard CD in Memory
- AUTO PLAY (Selectable CD/USB/MEM)
- Cue Function
- Pitch Control
- Balanced (XLR) and Unbalanced (RCA) Analog Audio Output
- Optical & Coaxial TOSLINK Digital Audio Output
- RS-232
- Power Source : AC 100-240V, 50/60Hz (supplied AC mains transformer depends on country requirements)
- Weight : 5.3kg / 11.7lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



SD Recorder / Multi Source Player

CDR-01

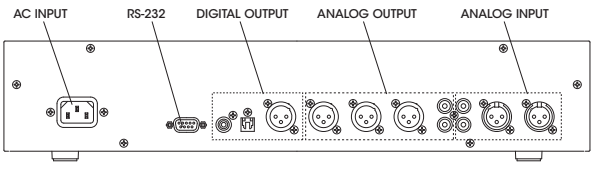


AC USB CD

Features

- CD-DA/MP3/WMA/WAV
- Single CD Player, SD Card and USB port
- SD Recorder
- Virtual Disc can hold up to 6 standard CD in Memory
- INSTANT / AUTO PLAY (Selectable CD/USB/MEM)
- Cue Function
- Pitch Control
- Balanced & Unbalanced Input and Outputs
- Multi I/O Digital Formats Including AES/EBU, S/PDIF & OPtical
- RS-232
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : 5.3kg / 11.7lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Stereo Tuner

TU-6200

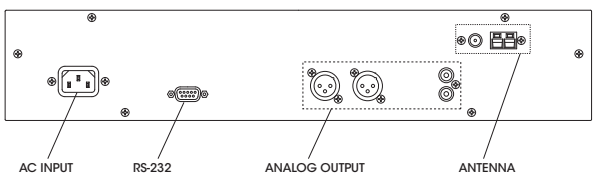


AC Tuner

Features

- Direct Access 40-Station Preset Memory
- LCD Display Indicates Preset Memory Selection
- Auto-Scan and Preset Memory Scan
- Balanced XLR and Unblanced RCA Outputs
- RS-232
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : 4.2kg / 9.3lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Stereo Double Cassette Deck

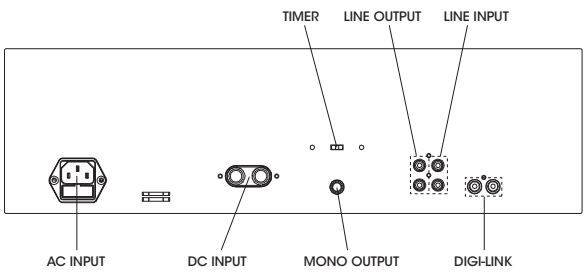
PC-6335



Features

- Auto Reverse for Playback and recording
- Mute Skip Recording
- Remotely Controlled (Digi-link)
- Selectable Mono or Stereo Recording
- Display the playing direction of tape (Deck. B)
- Selectable AC Power Input (110V/220V)
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Weight : 5.8kg / 12.8lb
- Dimensions (W×H×D) : 482 × 132 × 280mm / 19 × 5.2 × 11in

Rear view



NOTE

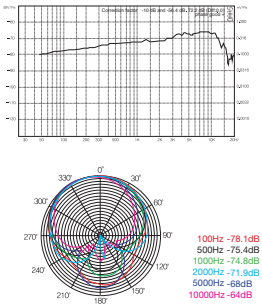
Dynamic Microphone

MD-110V/510V/710V, NMD-810V, SCM-6000V

RoHS COMPLIANT CE

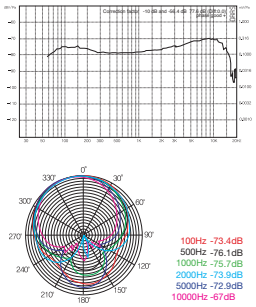


MD-110V



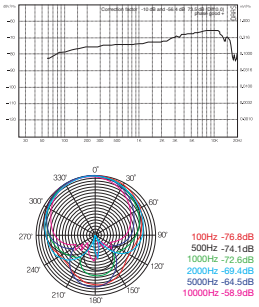


NMD-810V



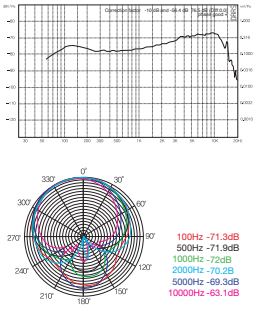


MD-510V



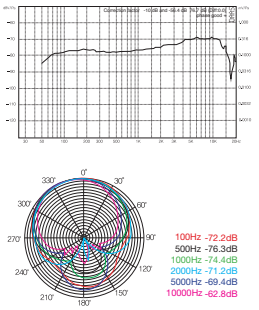


SCM-6000V





MD-710V



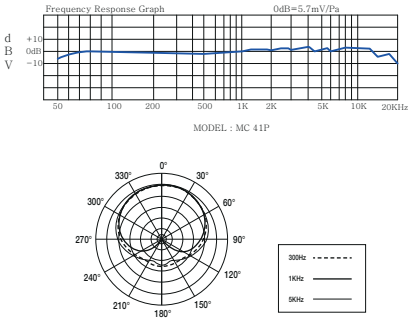
Spec	MD-110V	MD-510V	MD-710V	NMD-810V	SCM-6000V
Type	Moving Coil Dynamic Microphone				
Frequency Response	55Hz~16kHz	55Hz~16kHz	55Hz~16kHz	50Hz~17kHz	50Hz~17kHz
Sensitivity	-75dB ±3dB	-75dB ±3dB	-75dB ±3dB	-75dB ±3dB	-75dB ±3dB
Impedance	600Ω ±30%	600Ω ±30%	600Ω ±30%	600Ω ±30%	350Ω ±30%
Weight (without cable)	250g ±10g				260g ±10g
	0.55lb ±0.02lb				0.57lb ±0.02lb
Dimension (W×H×D)	ø51x174mm		ø54 x174mm		ø47.5x180mm
	ø2 × 6.9in		ø2 × 6.9in		ø2 × 7.1in

Dynamic Microphone

MC41P, MH50, MH80

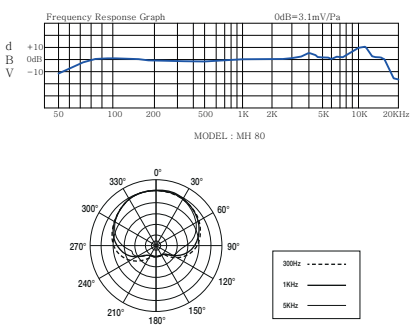


MC41P



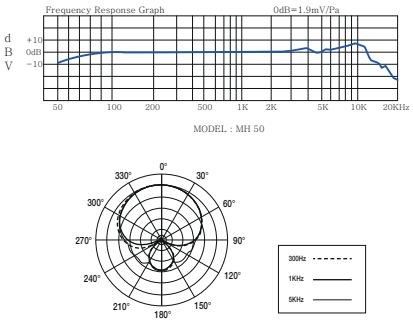


MH80





MH50



Features

- MC41P, microphone for both SPEECH and VOCAL purpose, provides stable sound with wide frequency range from low to high and high sound pressure level sensitivity
- MH50, microphone designed with zinc die-cast material, HYPERCADIOID directive design reduces sound PICK UP from sides and the rear (MH50 × 3 SET Packing)
- MH80, designed with ND (NEODYMIUM) magnets, high sensitivity and stable frequency features make the sound optimized for places where speech is needed with such as auditoriums andCHurches that need rich bass and wide frequency band

Spec	MC41P
Transducer Type	Electret Condenser
Frequency Response	35Hz ~ 20kHz
Impedance	270Ω
Polar Pattern	cardioid
Sensitivity	-45dB(5.7mV)/Pa at 1kHz
THD (Max SPL for 1%)	142dB SPL
Dynamic Range	119dB
Self Noise	23dB SPL A-weighted
Output Connection	3-pin XLR-Male
Power Requirement	DC(Phantom) 12-48V
Weight	208g ± 20g / 0.45lb ± 0.04lb
Dimensions (Length x Shaft x Head)	179 x ø33 x ø23.6mm 7 x ø1.3 x ø0.92lb

Spec	MH50	MH80
Transducer Type	Moving Coil Dynamic	Moving Coil Dynamic
Frequency Response	50Hz ~ 15kHz	50Hz ~ 17.5kHz
Impedance	350Ω	600Ω
Polar Pattern	Hypercardioid	cardioid
Sensitivity	-54dB /Pa at 1kHz	-50dB /Pa at 1kHz
Open Circuit Voltage	1.9mV / Pa at 1kHz	3.1mV / Pa at 1kHz
Output Connection	3-pin XLR-Male	3-pin XLR-Male
Weight	310g ± 20g 0.68lb ± 0.04lb	300g ± 20g 0.66 ± 0.04lb
Dimensions (Length x Shaft x Head)	176.5 x ø24 x ø50mm 6.9 x ø0.9 x ø1.9lb	176.5 x ø24 x ø50mm 6.9 x ø0.9 x ø1.9lb

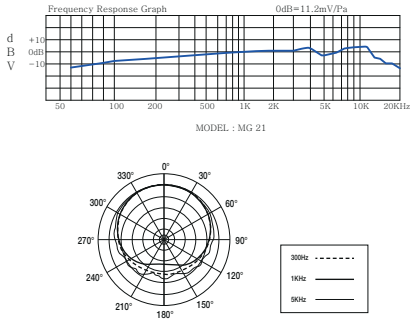
Condenser Gooseneck Microphone/Table Stand

MG21, MGB

RoHS COMPLIANT



MG21





MGB

Features

- MG21 is a microphone designed to produce the high level features smoothly with the Pop filter in the speech. Minimizing interfering sound from the surroundings with its design using the cardioid-directive feature, it provides clear sound effect and high clarity with effective control in the low and high frequency band
- MGB is standard main body, able to be used with all Condenser type, and it provides stability when used in stable Weight Balance

Spec	MG21
Transducer Type	Electret Condenser
Frequency Response	60Hz ~ 17kHz
Impedance	250Ω
Polar Pattern	cardioid
Sensitivity	-39dB(11.2mV)/Pa at 1kHz
THD (Max SPL for 1%)	124dB SPL
Dynamic Range	99dB
Self Noise	25dB SPL A-weighted
Output Connection	3-pin XLR-Male
Power Requirement	DC(Phantom) 12-48V
Weight	220g ± 20g / 0.5lb ± 0.04lb
Dimensions(Length x Head)	555 x ø12.9mm 21.8 x ø0.5lb

Spec	MGB
Type	Gooseneck Mic Table Stand
Output Connection	3-pin XLR-Female
Input Connection	3-pin XLR-Male
On/Off Status	LED Indicator
Power	DC(Phantom) 12-48V
Finish	Mat Black
Weight	1.52kg ± 50g / 3.3lb ± 0.04lb
Dimensions(W x H x D)	99 x 83 x 150mm 3.9 x 3.3 x 5.9lb

Remote Microphone

RM-01, RMC-01



RM-01

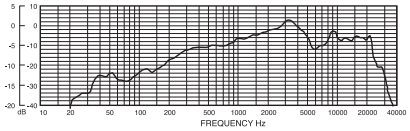


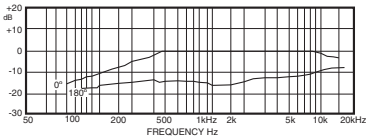
RMC-01

Features

1. RM-01
- Unidirectional dynamic microphone
- RemoteCHime switch
- Mic on/off switch
- 2 Push buttons for easy operation

2. RMC-01
- Unidirectional Condensor microphone
- RemoteCHime switch
- Mic on/off switch
- 2 Push buttons for easy operation





Spec	RM-01	RMC-01
Type	Dynamic Microphone	Condensor Microphone
Direction	Unidirectional	
Sensitivity	-75dB±3dB	-47dB±3dB
Impedance	400Ω	680Ω
Frequency Response	60Hz~18kHz	100Hz~16kHz
Weight	1.4kg / 3.1lb	
Dimension (W×H×D)	90 × 45 × 133mm / 3.5 × 1.8 × 5.2in	

Remote Microphone

RM-02, RMC-02



RM-02

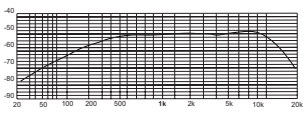


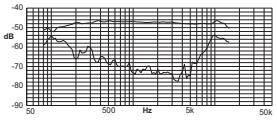
RMC-02

Features

1. RM-02
- Zinc die casting material base resistant to shocks and exterior noise
- A zinc die-casting material base which is resistant to a shock and exterior noise

2. RMC-02
- Condenser Microphone
- AA battery used with unnecessary phantom power.
- Zinc die casting material base resistant to shocks and exterior noise
- Balanced output circuit for a remote transmission





Spec	RM-02	RMC-02
Type	Moving coil Dynamic microphone	Electric condenser microphone
Direction	Unidirectional	
Input sensitivity(Mic)	- 52dB±3dB (0dB=1V/Pa at 1kHz)	- 45dB ±3dB (0dB=1V/Pa at 1kHz)
Maximum input sound pressure	More than 130dB	More than 105dB
Output impedance(Mic)	600Ω ±30%	
Frequency response(Mic)	50Hz ~ 10kHz	40Hz ~ 16kHz
Gain (Base)	-	-2dB(Battery), -1.5dB(Phantom)
Microphone length	440mm / 17.3in	535mm / 21in
Weight	1.6kg / 3.5lb	
Dimension (W×H×D)	99(W) x 50(H) x 148(D)mm / 3.9(W) x 2(H) x 5.8(D)in	

NOTE

Get started with Inter-M
network system for integrated control

NETWORK CONNECTING SYSTEM



Overview

Inter-M Network Connecting System is the best solution for integrated control, based on TCP/IP network and web-page design. Network Connecting System makes 6000 System, NPX, and ARM-911A to be integrated with ease.

Not only Inter-M products but also 3rd party equipment is compatible and expandable so that existing system can be converted to a network system.

Features

1. Simple system integration using network

Network Connecting System reduces cost and time for physical cabling because NCS is a network-based system.

2. All-in-one Integrated control

The previous generation of PA system required individual system control, making impossible to control multiple systems at once. However, using Network Connecting System enables unrestricted integrated control over multiple PA systems, easy expansion, and efficient system operation.

CONTROLLER

Network Control Server

NCS-1000

NEW

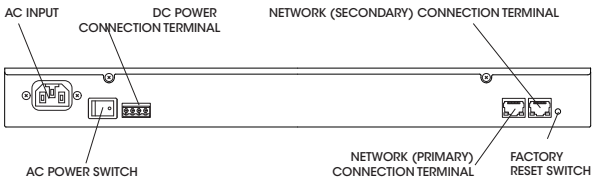


AC DC WEB

Features

- Integrated control of all the sound and video devices connected to the network
- Applying standard network protocol
- Supporting 100/1000 Mbps
- Supporting DHCP, STATIC IP
- Supporting network bonding
- Web-based integrated control software
- Setting broadcast area conveniently
- Web-based system monitoring
- Supporting web user security feature
- Log file saving function
- Available to select up to 24 source devices (CDP, TUNER, RM, ETC.)
- Available to select up to 512 local zones
- Available to specify up to 12 groups
- **Provides web-based integrated control software (MS-N300)**
- Power Source : AC 120-240V, 50/60Hz,10W, DC 24V, 350mA
- Weight : 3.02kg / 6.66lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Network Converter

NC-900

NEW

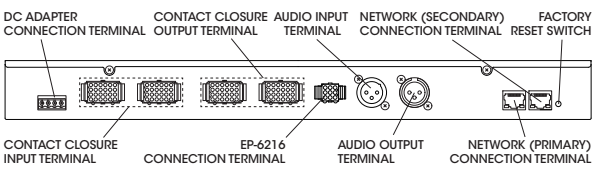


DC

Features

- Controlling ES-6116, PS-6116I, RG-6116, and EP-6216 through network
- Transferring audio data (MP3, PCM, RTSP) through network
- Supporting 100/1000 Mbps
- Supporting DHCP, STATIC IP
- Supporting network bonding
- Power Source : DC 24V, 350mA
- Weight : 3.04kg / 6.7lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Network Converter

NC-600

NEW

RoHS COMPLIANT

CE

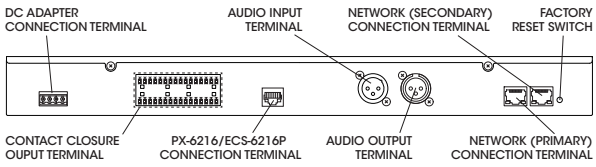


DC

Features

- Controlling 6000 1-unification /8-unification RM terminal through network
- Controlling 16-channel contact closure output via through network
- Transferring audio data through network
- Supporting 100/1000 Mbps
- Supporting DHCP, STATIC IP (DEFAULT, STATIC IP: 192.168.1.99)
- Supporting network bonding
- Power Source : DC 24V, 550mA
- Weight : 2.84kg / 6.26lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Network Converter

NC-S01

NEW

RoHS COMPLIANT

CE

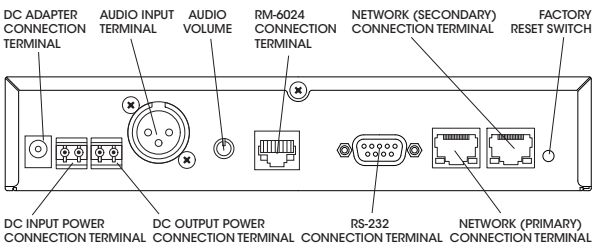


DC

Features

- RM-6024 interface through the network
- Controlling RS-232C through the network (Remote controlling source device, CD-6208/TU-6200)
- Transmitting audio through the network (MP3, PCM)
- Supporting 100/1000 Mbps
- Supporting DHCP, STATIC IP
- Supporting network bonding
- Power Source : Input : DC 24V, 800mA, Output : DC 24V, 500mA
- Weight : 1kg / 2.2lb
- Dimensions (W×H×D) : 210 × 44 × 180mm / 8.3 × 1.7 × 7.1in

Rear view



Network Converter

NC-M01

NEW

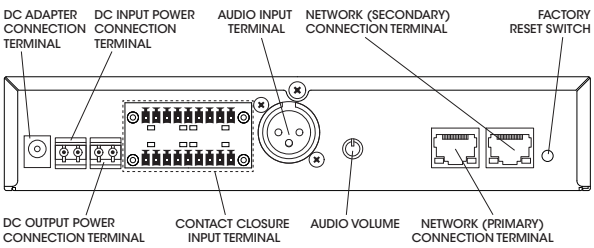


DC

Features

- RM-6016 contact closure interface through the network
- Transmitting audio through the network (MP3, PCM)
- Supporting 100/1000 Mbps
- Supporting DHCP, STATIC IP
- Supporting network bonding
- Supporting network bonding
- Power Source : Input : DC 24V, 800mA, Output : DC 24V, 500mA
- Weight : 1kg / 2.2lb
- Dimensions (W×H×D) : 210 × 44 × 180mm / 8.3 × 1.7 × 7.1in

Rear view



Gigabit Ethernet Switch

GES-162

NEW

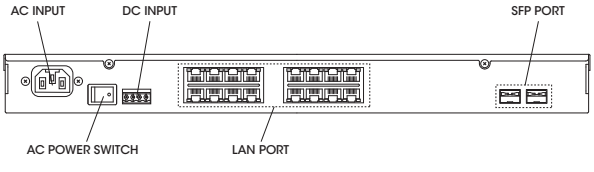


AC DC

Features

- 10/100/1000Mbps,
  ETHERNET SWITCH: ETHERNET SWTICH supporting 1GB
- High performance network CPU
- OS: eCos 3.0
- 128MByte DDR2 Memory
- 1G x 16 Port
- 1G SFP x 2port
- All 1G Ethernet port are tri-speed 10/100/1000 Mbps port
- Link aggregation (IEEE 802.3ad)
- Power Source and Power Consumption :
  AC 120-240V, 50/60Hz, 14W,
  EURO : DC 24V, 700mA
- Dimension and Weight : 482(W) x 44(H) x 280(D)mm, 3.2kg

Rear view



Network Streaming Audio Amplifier

PN-106/112

NEW

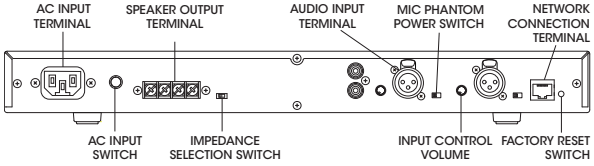


AC | Low High | 60 Watt | 120 Watt | Network | WEB | PC Control | Priority

Features

- Rated Output: 60W(PN-106), 120W(PN-112)
- TCP/IP Integral Amplifier
- MS-N300 Integrated Control, Web Browser GUI, Remote Power and Volume Control
- SMPS Power Circuit
- 3 Channels Input
- Set Output Priority
- Remote Power Control
- Power Source : AC 120-240V, 50/60Hz
- Dimension : 420(W) x 44(H) x 319.6(D)mm

Rear view



Network Streaming Audio Amplifier

PN-224/236/248/260

NEW

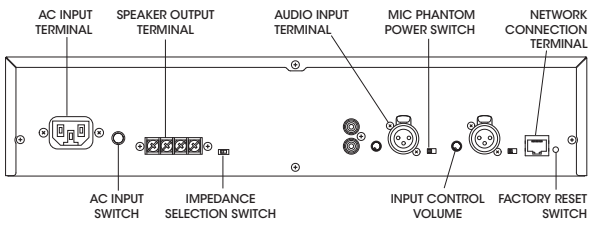


AC | Low High | 240 Watt | 360 Watt | 480 Watt | 600 Watt | Network | WEB | PC Control | Priority

Features

- Rated Output: 240W(PN-240), 360W(PN-236), 480W(PN-248), 600W(PN-260)
- TCP/IP Integral amplifier
- MS-N300 Integrated Control, Web Browser GUI, Remote Power and Volume Control
- SMPS Power Circuit
- 3 Channels Input
- Set Output Priority
- Remote Power Control
- Power Source
  PN-224/236 : AC 220-240V, 50/60Hz, 110W
  PN-248/260 : AC 120V-240V, 50/60Hz, 150W
- Dimension : 420(W) x 88(H) x 320(D)mm,
  PN-224/236 : 5.02kg, PN-248/260 : 5.23kg

Rear view



8Bus digital PA system based on PC control

6000 SYSTEM



System Overview

Inter-M's Digital Public Address System has been met various needs of users such as government office, corporation, and education facility by realizing the stability of analog system and convenience of digital system at the same time with many years of experience.

Also, 6000 series provide various environment of controlling through PC operating program.

System Features

1. Digital-based development

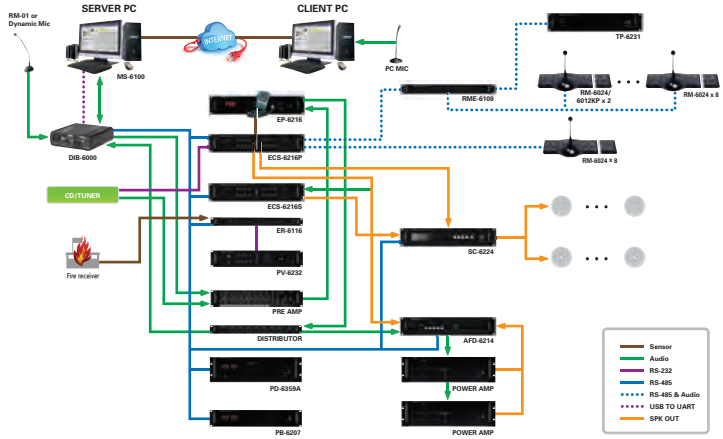
- Easy operation with PC operation program (GUI)
- PC interface product configuration supports various functions
- Real-time self-diagnosis and remote control by data communication between products
- Dual configuration of PC and equipment (broadcasting without PC)

2. Various market applicability

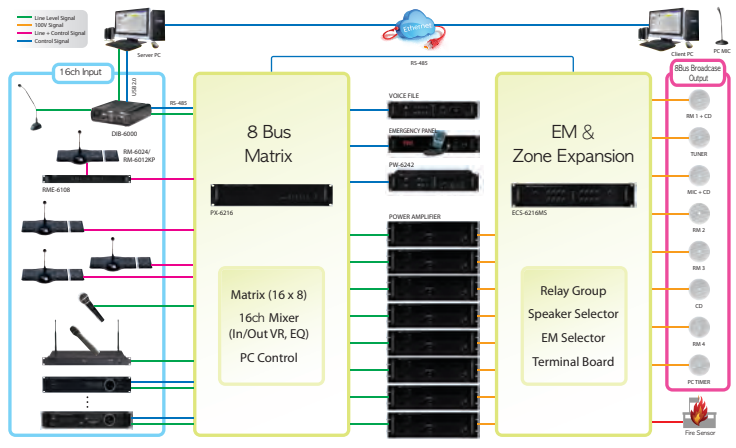
- General Analog public broadcasting such as 9000/600 System
- Coping with facilities built with the system
- Maximizing user's convenience with PC control function

CONTROLLER

Applications - 6000 SYSTEM 1BUS



Applications - 6000 SYSTEM 8BUS



6000 SYSTEM
Featured product

– 8Bus –

Audio Matrix
PX-6216 (8Bus)



Program Manual Controller
PMC-6208 (8Bus)



Emergency Combination System
ECS-6216MS (8Bus)



– 1Bus –

Emergency Combination System
ECS-6216P (1Bus)



Emergency Combination System
ECS-6216S (1Bus)



– Analog –

Matrix
PX-6116



Emergency Switcher
ES-6116



Speaker Selector
PS-6116



Remote Amplifier with Zone Selector
RM-6016



Relay Group
RG-6116



Terminal Board
TB-6116



Speaker Selector
PS-6116I



– Commonness –

Direct Box
DIB-6000



System Remote MIC Station
12Key MIC Station Keypad
RM-6024
RM-6012KP



Remote MIC Extender
RME-6108



Auto Blower
PF-6302



– Commonness –

Chime / Siren
PE-6103



Emergency Router
ER-6116



Line Monitor
LM-6228



Emergency Panel
EP-6216



Amp Fault Detector
AFD-6218



Monitor Panel
PM-6228



Program Timer
PW-6242B



Speaker LineCHecker
SC-6224



BatteryCHarger
PB-6207



Multi Voice File
PV-6232A



Pre Amplifier
PP-6213



Power Distributor
PD-6359



Telephone Paging
TP-6231A



Pre Amplifier
PP-6214



Power Distributor
PD-6359A



Program Distributor
PO-6106



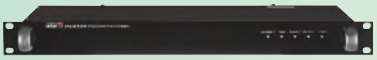
MIC Line Mixer
LM-6414



Auto Power Switcher
APS-6502



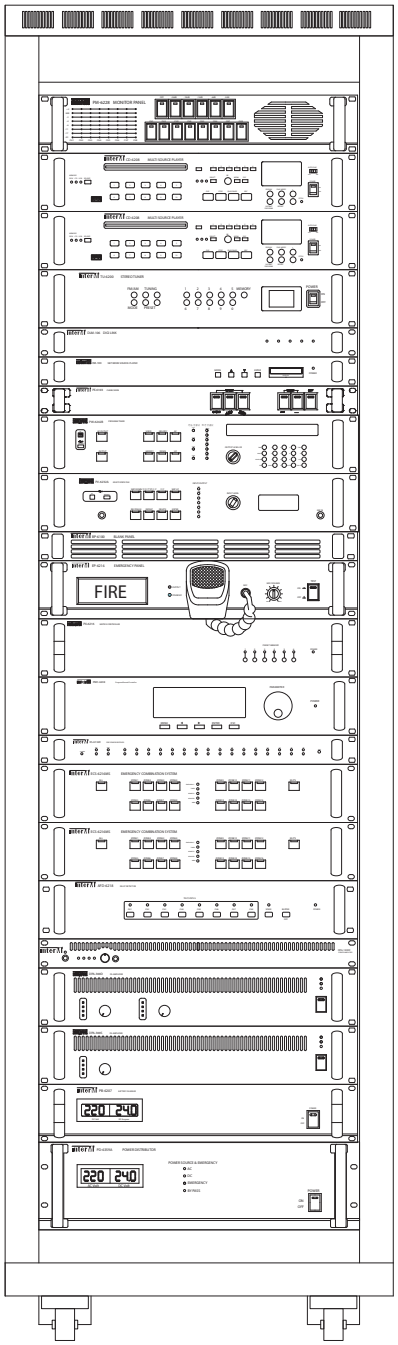
Program Exchanger
PG-6104



Rack Connection

6000 SYSTEM FRONT

PA-391D
PM-6228
CD-6208
CD-6208
TU-6200
DLM-106
ISR-100
PE-6103
PW-6242B
PV-6232A
EP-6216
PX-6216
PMC-6208
ES-6132R
ECS-6216MS
ECS-6216MS
AFD-6218
DPA-130DC
DPA-300D
DPA-300S
(SPARE)
PB-6207
PD-6359A



Audio Matrix Controller

PX-6216 (8Bus)

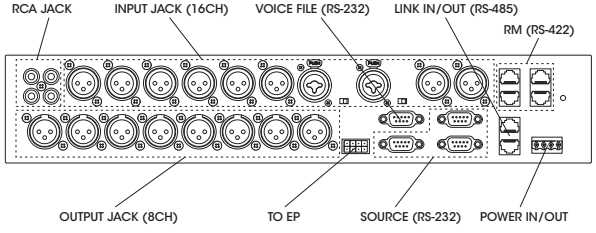


DC

Features

- DSP Based
- 7-Band EQ
- 6 presets and controls
- 4 Remote Mic Ports Expandable up to 32 Remote Paging Stations
- 8 Mic / Line Inputs (2 with Phantom Power)
- 2 Unbalanced Line Inputs
- External source control
- 8 balanced audio outputs
- Power Source : DC 24V
- Weight : 4.3kg / 9.5lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Program Manual Controller

PMC-6208 (8Bus)

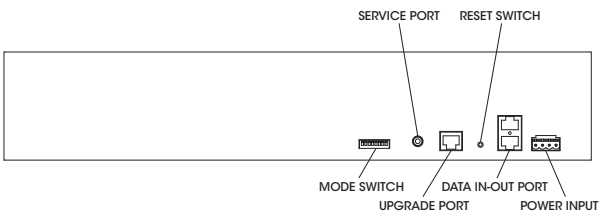


DC

Features

- Manual controller for PX-6216 (6000 matrix system)
- GRAPHIC EQ
  7 band EQ for each of the 8 outputsCHannels
- PC mode, PMC mode, AUTO mode
  User selectable control mode
- Input volume setting and control
  Independent adjustable volume control for 16 inputsCHannels
- Output volume setting and control
  Independent adjustable volume for 8 outputsCHannels
- Audio IN/OUT control
  Allows to set and control the INPUT/OUTPUT matrix and mix the signal up to 4 inputCHannels
- Power Source : DC 24V
- Weight : 4kg / 8.8lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Emergency Combination System

ECS-6216MS (8Bus)

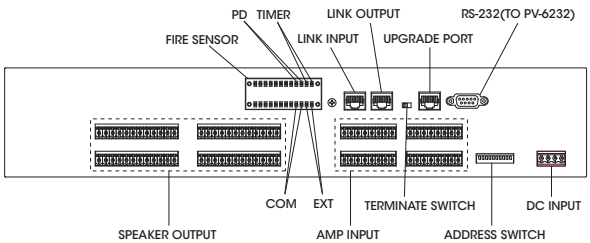


DC

Features

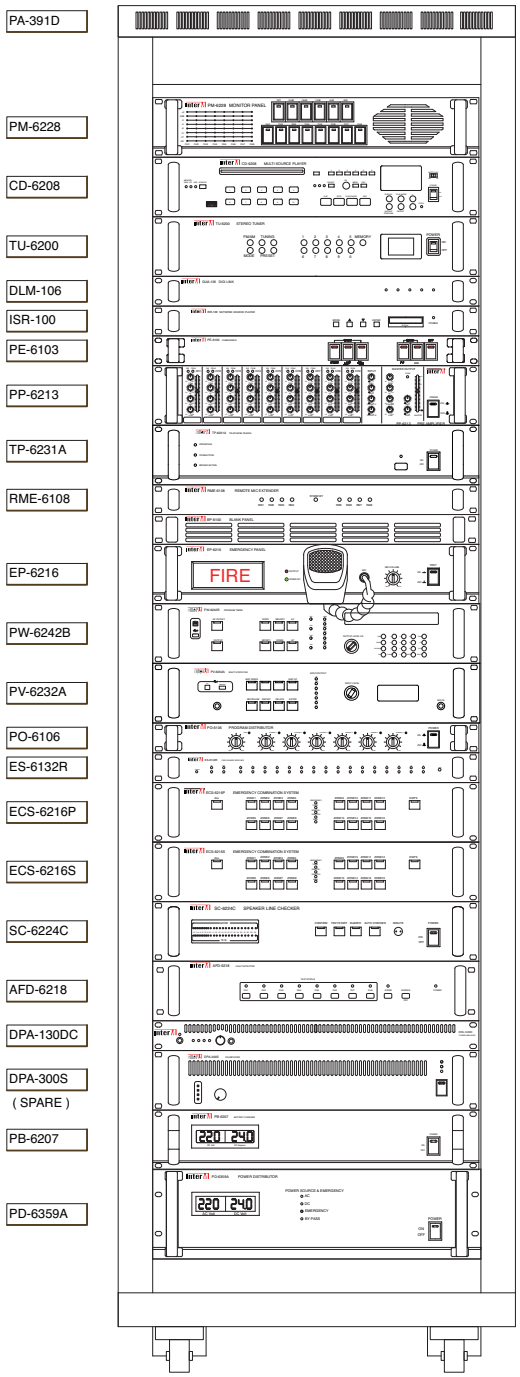
- Allows the addition of 16 output zones to the System 6000
- Up to 9 units can be added giving the system up to 160 output zone capacity
- Each unit also offers 16CH GPI sensor input for messaging, event and scenario triggering
- Power Source : DC 24V
- Weight : 4.3kg / 9.5lb
- Dimension (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Rack Connection

6000 SYSTEM FRONT



Emergency Combination System

ECS-6216P (1Bus)

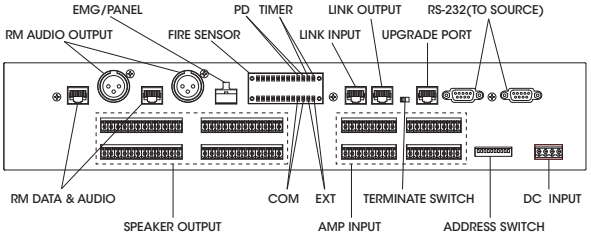


DC

Features

- Main primary output zone module that allows the addition of 16 output zone to the System 6000
- Up to 160 outputs zone capacity is possible with the addition of up to 9 additional ECS-6216S
- Each unit also offers 16CH GPI sensor input for messaging, event and scenario triggering
- Power Source : DC 24V
- Weight : 4.3kg / 9.5lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Emergency Combination System

ECS-6216S (1Bus)

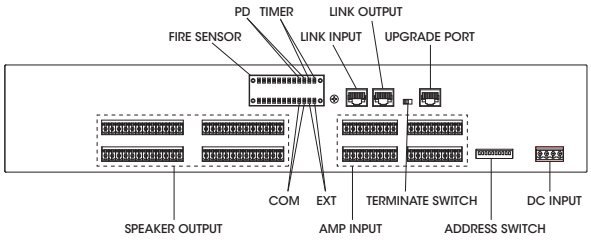


DC

Features

- Output Slave Unit that allows the addition of 16 output zones to the single bus system 6000
- Up to 9 units can be added to the ECS-6216P, giving the system up to 160 output zone capacity
- Each unit also offers 16CH GPI sensor input for messaging, event and scenario triggering
- Power Source : DC 24V
- Weight : 4.3kg / 9.5lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

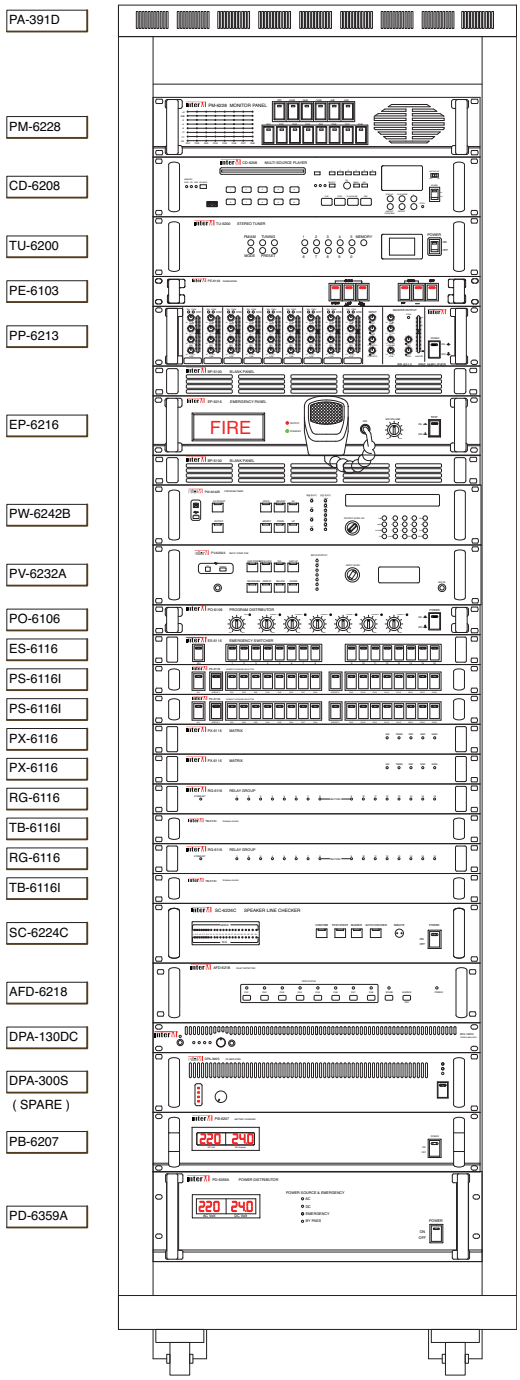
Rear view



NOTE

Rack Connection

6000 SYSTEM FRONT



Matrix

PX-6116

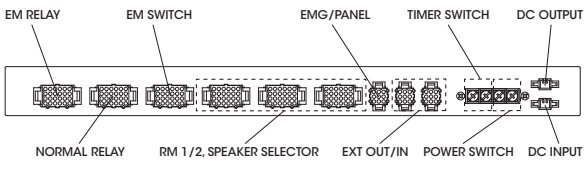


DC

Features

- **Analog**
- Control the priority of operating mode with the connection of emergency panel(EP-6216) and relay group(RG-6116)
- Connection terminal for two-wire and three-wire type broadcasting
- Connection terminal for extending over 16 speaker lines
- Input control function of Normal broadcasting, Remote control, and timer.
- Power Source : DC 24V
- Weight : 3.4kg / 7.5lb
- Dimensions (W×H×D) : 482 x 44 x 280mm / 19 × 1.7 × 11in

Rear view



Speaker Selector

PS-6116

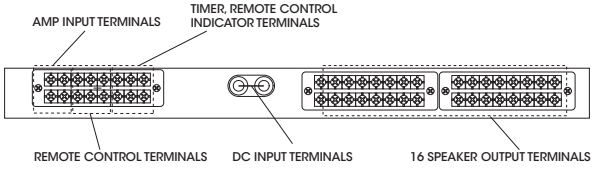


DC

Features

- **Analog**
- Speaker line control by a relay operation with the connection of PX-6116
- Speaker line control for two-wire and three-wire type broadcasting
- Broadcasting status indicators(LED)
- Power Source : DC 24V
- Weight : 3.3kg / 7.3lb
- Dimensions (W×H×D) : 482 x 44 x 280mm / 19 × 1.7 × 11in

Rear view



Relay Group

RG-6116

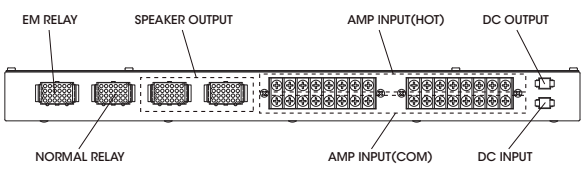


DC

Features

- **Analog**
- Speaker line control by a relay operation with the connection of PX-6116
- Speaker line control for two-wire and three-wire type broadcasting
- Broadcasting status indicators(LED)
- Power Source : DC 24V
- Weight : 5.4g / 11.9lb
- Dimensions (W×H×D) : 482 x 44 x 280mm / 19 × 1.7 × 11in

Rear view



Speaker Selector

PS-6116I

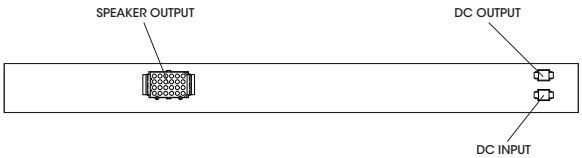


DC

Features

- **Analog**
- Indirect Speaker Selector with the connection of PX-6116
- Convenient operation forCHannel control with individual switch, group switch, and all switch
- Integrated led indicators on each switch for easy identification of currently selected status
- Power Source : DC 24V
- Weight : 3kg / 6.6lb
- Dimensions (W×H×D) : 482 x 44 x 280mm / 19 × 1.7 × 11in

Rear view



Emergency Switcher

ES-6116

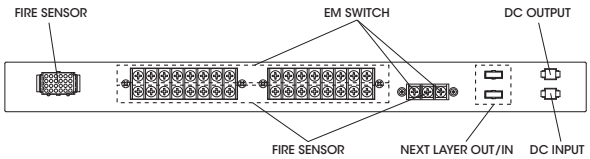


DC

Features

- **Analog**
- 16 auto fire signals detection
- 16 or all Speaker switching on emergency
- Fire and speaker switching indicator
- Connection terminal for extending over 16 lines
- Power Source : DC 24V
- Weight : 3.2kg / 7.1lb
- Dimensions (W×H×D) : 482 x 44 x 280mm / 19 × 1.7 × 11in

Rear view



Remote Amplifier with Zone Selector

RM-6016

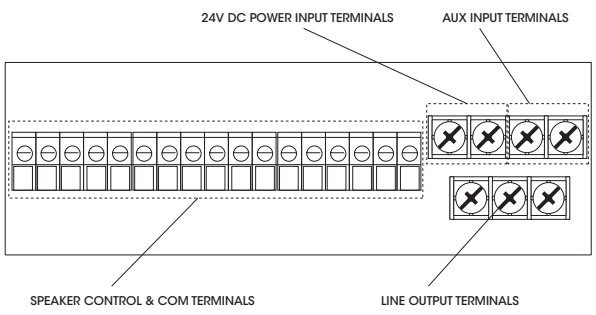


DC

Features

- **Analog**
- Speaker line control function (16CH)
- Pre-announcement broadcast sound function, 4-toneCHIME
- External signal input, Output level LED, Talk control switch
- Power Source: DC 24V
- MIC: CM-6016
- Weight : 1.2kg / 2.65lb (Except microphone)
- Dimensions (W×H×D) : 245 x 60 x 205mm / 9.65 x 2.36 x 8.07in

Connector Section



Terminal Board

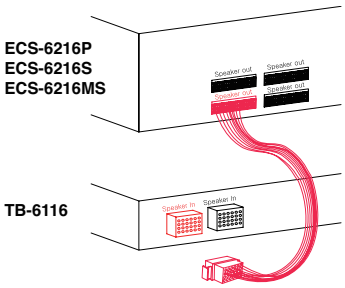
TB-6116



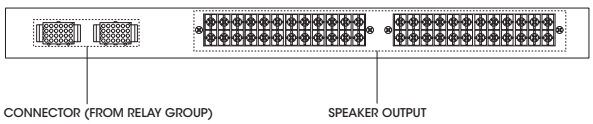
DC

Features

- **Analog**
- Terminal board for use normal or emergency 3 bus broadcasting
- Easy connection with a special connector
- Codirectional access allows to prevent miss-connection
- Able to broadcast in 16 zones with 16CH speaker terminal
- Power Source : DC 24V
- Weight : 3kg / 6.6lb
- Dimensions (W×H×D) : 482 x 44 x 280mm / 19 × 1.7 × 11in



Rear view



Direct Box

DIB-6000

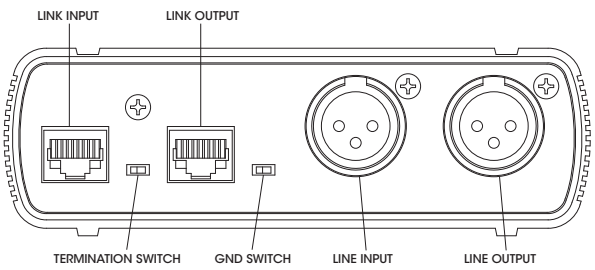


DC

Features

- PC Interface unit for ECS-6216P, ECS-6216S and PX-6216 /ECS-6216MS
- Converts unbalanced audio from PC to balanced audio for system connection
- System USB PC controls. Converts USB to RS-485
- Balanced Microphone input with volume control can be used with RM-01 Microphone for paging from PC control location
- Priority Function (BGM/MIC)
- Record Level Setting
- Power Source : USB DC 5V
- Weight : 0.74kg / 1.7lb
- Dimensions (W×H×D) : 140 × 43 × 140mm / 5.5 × 1.7 × 5.5in

Rear view



System Remote MIC Station / 12Key MIC Station Keypad

RM-6024/6012KP

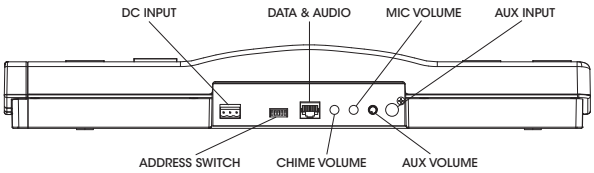


DC

Features

- Zone Macro Function
- 24 Control Keys
- "All Call" Button
- Chime Function
- External Auxiliary Input
- Output Level Meter
- Easy Label Area
- Volume Control
- RS-485 Communications
- Optional Expansion Keypad RM-6012KP
- Easy Cat5e Connectivity
- Expansion key pad for RM-6024
- 12 Keys Each
- 2 can be added to the RM-6024 for complete system control
- Power Source : DC 24V
- Weight : 1.2kg / 2.61lb
- Dimensions (W×H×D) : 456 × 65 × 200mm / 17.9 × 2.5 × 7.9in

Rear view



Remote MIC Extender

RME-6108

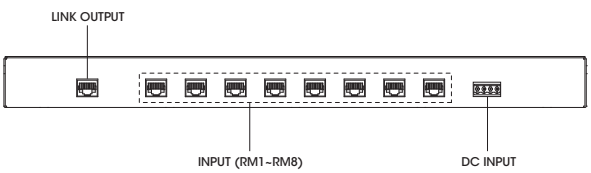


DC

Features

- 8 paging station expansion ports
- Can connect up to 8 RM-6024 Microphone paging stations
- Channel Priority set via Windows PC Software
- Up to 4 units can be added to the PX-6216
- Adds up to 32 microphone paging stations
- RS-485 communication
- Long-distance transmitting to remote mic is possible [Max.1KM]
- Power Source : DC 24V
- Weight : 2.8kg / 6.17lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



System Remote Mic Station

RM-6800

NEW

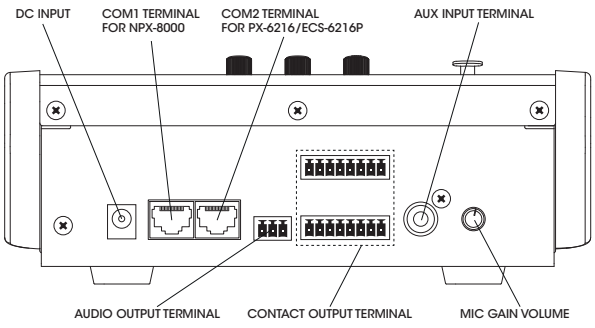


DC

Features

- NPX System, 6000 System mode setting
  (RM-6024, NRM-8000, RM-6016 MODE)
  use the gooseneck microphone to broadcast paging in each area
- select the broadcasting area simply by using the 0~9 key and the All button
- set the operation mode by the Talk button and the Chime button
- check and set the status of the device through the 2.43 INCH OLED display
- OUTPUT LEVEL METER
- check the current output in real time through the monitor speakers
- INPUT/OUTPUT adjustment volume
- Power Source :
  DC 24V (NRM-8000A MODE, DC 40V), MAX 10W
- Weight : 1.29kg / 2.84lb
- Dimensions (W×H×D) : 200 x 73 x 206mm / 7.8 x 2.8 x 8.1in

Rear view



Auto Blower

PF-6302

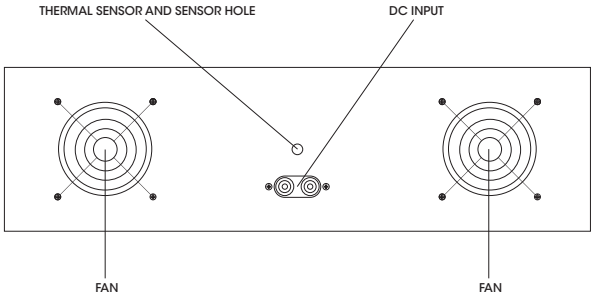


DC

Features

- Protecting the internal heat with auto fan cooling
- Using Thermo-Sensitive Device
- Usage : OFF, MANUAL, AUTOMATIC
- Less noise by using 2 Quiet Fan
- Power Source : DC 24V
- Weight : 1.5kg / 3.3lb
- Dimensions (W×H×D) : 482 × 132 × 35mm / 19 × 5.2 × 1.4in

Rear view



Chime/Siren

PE-6103

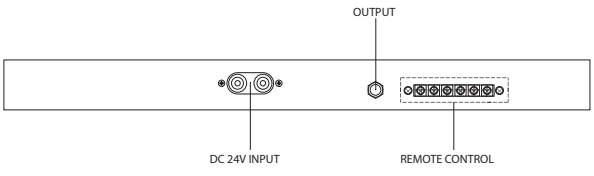


DC

Features

- 3 Types ofCHime and 2 Types of siren (Constant, Undulating)
- 2 TONE & 4 SCALECHimes
- Selectable Oscillating siren tone or Steady siren tone
- Power Source : DC 24V
- Weight : 2.8kg / 6.2lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Emergency Panel

EP-6216

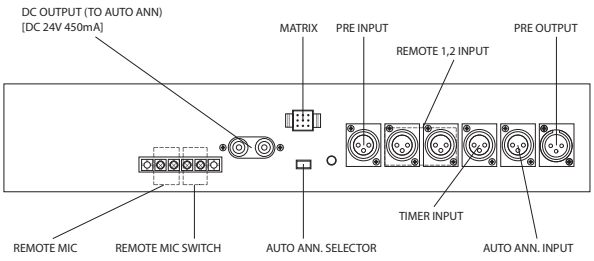


DC

Features

- Fire Alarm - Connect to a fire sensor for a fully functional fire alarm
- Auto Operating Function - Alarm will sound automatically on alternate floors
- Auto Announcement - Automatic announcements during fire alarm operation
- Test Function - Use the test function for system tests or to conduct emergency drills
- Manual Overide Broadcasting (Voice & Siren),
- Timer auto broadcasting : Siren & Voice
- Inspection & Test switch
- Inputs for Voice Files and Auxilary remote devices
- Auto Fire Alarm
- Power Source : DC 24V
- Weight : 4kg / 8.8lb
- Dimension (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Program Timer

PW-6242B

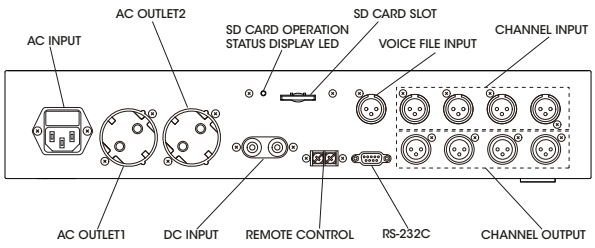


AC DC · USB · SD · PC Control

Features

- Play various melody and sound by interlocking installed SD Card with PV-6232A
- Easy operation by separating number buttons and various function buttons for Timer Program input
- Checking the operation status of each function at a glance as well as display variousCHaracters by adopting Vacuum Fluorescent Display (Dot matrix)
- Setting the reservation with the management program by connect the PC to the RS-232C port
- Download MP3 files to the SD card inserted in the computer by connecting the USB cable and save files to internal memory with Copy function by attaching USB memory
- Power Source : AC 100-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption: 1000W
- Weight: 4.57kg / 10.1lb
- Dimensions (W×H×D) : 482 x 88 x 280mm / 19 x 3.5 x 11in

Rear view



Multi Voice File

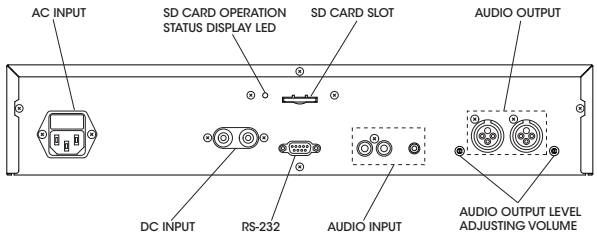
PV-6232A



Features

- Play various types (MP3, FLAC, OGG, WAV) of audio files
- Save digital audio files (MP3) in memory storage by recording analog audio signal
- Externally installed SD Card for long time recording (Maximum 32GB)
- Input various external sources (MIC, CD, AUX)
- External USB Interface for memory expansion
- Displaying various functions by adopting Graphic LCD
- Controlling output level with front volume controller
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption: 15W
- Weight: 4.35kg / 9.59lb
- Dimensions (W×H×D) : 482 x 88 x 280mm / 19 x 3.5 x 11in

Rear view



Telephone Paging

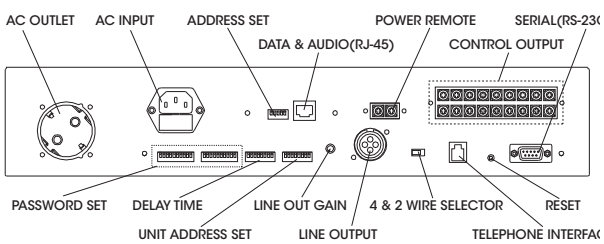
TP-6231A



Features

- Broadcasting with regular phone, cell phone, public phone as connected via regular telephone line (office line) or call director telephone
  TP6231A: maximum 48 zones
- Automatically terminating PAGING Broadcast and phone connection by detecting disconnected call
- 2 Lines: same as regular phone
  4 Lines: INTERFACE method with exchanger in extension (2W E&M)
- SECURITY, DELAY TIME setting
- END signal detection function
- Performing the voice guidance service function for the convenience, and directly recording the broadcast connection message (maximum 20 sec)
- Control broadcasting area through serial communication terminal
- Setting User password
- Selecting broadcasting operation mode according to user's purpose
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight: 4kg / 8.8lb
- Dimensions (W×H×D) : 482 x 88 x 280mm / 19 x 3.5 x 11in

Rear view



Program Distributor

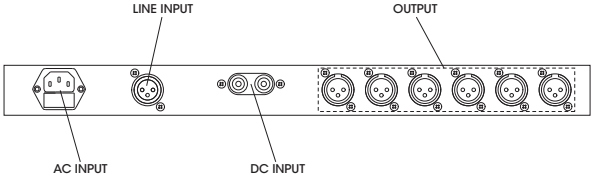
PO-6106



Features

- 1 XLR input, 6 XLR outputs
- Level control for each input / output
- LED display for each input / output
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Weight : 4kg / 8.8lb
- Dimensions (W×H×D) : 482×44×280mm / 19 × 1.7 × 11in

Rear view



Program Exchanger

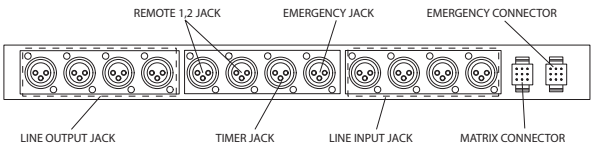
PG-6104



Features

- Automatic Emergency Interface :
  Remote, Timer, EM Broadcasting
- Input signal priority
- 4 Line inputs & 4 Line outputs
- Display input signal LED
- Power Source : DC 24V
- Weight : 5kg / 11lb
- Dimension (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Emergency Router

ER-6116

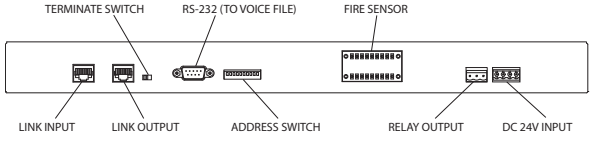


DC

Features

- Configurable and controlled by PC using the MS-6100 Software
- Control up to 99 voice messages using the PV-6232A
- 16 input striggers/ 16 scenarios
- Scalable up to 160 zones and 160 scenarios
- ECS system Interface RS-485 for control unit
- Button BYPASS for manual control
- Buzzer on/off
- Relay output for external device control
- Power Consumption : 100mA
- Power Source : DC 24V
- Weight : 2.8kg / 6.17lb
- Dimension (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Amplifier Fault Detector

AFD-6218

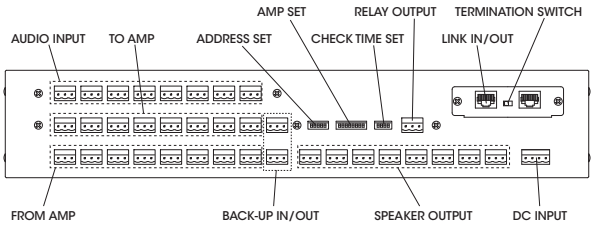


DC

Features

- AutomaticCHeck
  Check the status of amp connected to eachCHannel automatically according to the time-set
- Display Amp Status
  Display the status of amp connected to eachCHannel by LED
- AutomaticCHange
  Channel which fault occurs whenCHecking out the amp will be switched to spare amp automatically
- Check Time setup
  You can set up 5 different time intervals for automatic selfCHeck
- Power Source : DC 24V
- Weight : 4kg / 8.8lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Speaker LineCHecker

SC-6224

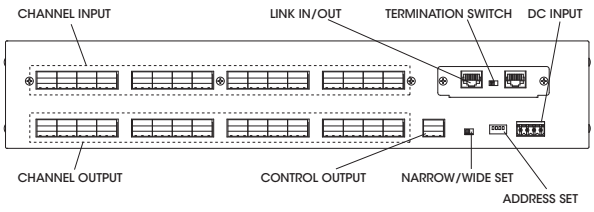


DC

Features

- Check the status of each speaker line with LED
- Setting the test time interval and automatic test
  The test time intervals can be set from 5 to 200 minutes by user request
- Use of high frequency test signal
  It uses the high frequency test signal whenCHecking out the speaker line, so it may be inaudible to listener
- Speaker impedance measuring error range setting
  Speaker impedance measuring error range can be set as 10% or 20%
- Power Source : DC 24V
- Weight : 4.4kg / 9.7lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Pre Amplifier

PP-6213

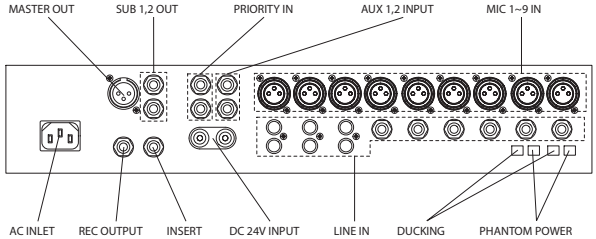


AC DC

Features

- Input & Output :
  - 9CH Input & 1CH master output
  - 2CH Sub output
  - 1CH Recording output (No volumn control)
- Built in 2CH input priority
- 3 Band equalizer (HIGH, MID, LOW)
- Ducking Function (CH 1,CH 2)
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Weight : 4.8kg / 10.6lb
- Dimension (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Pre Amplifier

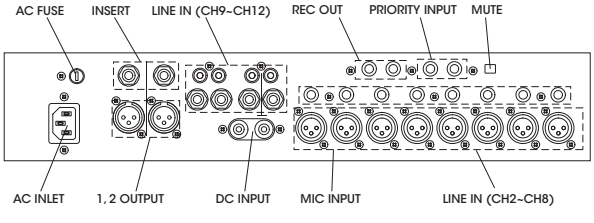
PP-6214



Features

- 8 Mono input & stereo input for CD, Tuner, Deck
- Mute Func (CH1 & Priority 1,2)
- REC OUT terminal
- 3 Band Equalizer for main output
- Phantom power for condenser Mic (+18VDC)
- Balanced cuircit for preventing the noise
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Weight : 5kg / 11lb
- Dimension (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



MIC Line Mixer

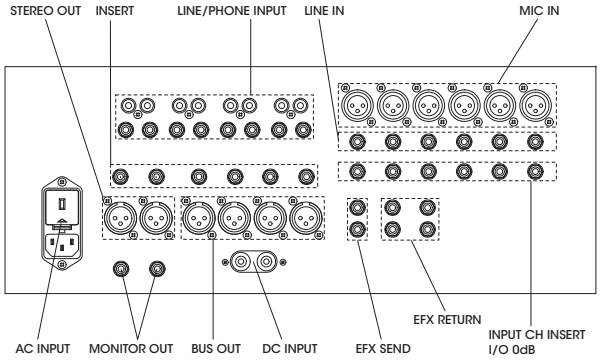
LM-6414



Features

- 4U rack mounting sized MIC LINE MIXE with AC and DC power
- Mixer for using any sound sources such as microphone, turn table, cassette deck, CD, and tuner and 4CH for stereo
- LED LEVEL METER and Trim VR/ Trim switch of current input status
- 3 band equalizer adjusting sound quality and tone control according to microphone, speaker, interior structure, and preference.
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Weight : 7.5kg / 16.5lb
- Dimensions (W×H×D) : 482 × 177 × 280mm / 19 × 7 × 11in

Rear view



Line Monitor

LM-6228

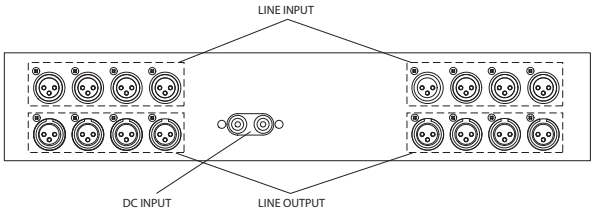


DC

Features

- LED Level Meter for monitoring the level of power AMP input
- Monitoring 8 mixer out, 2 group simultaneous monitoring
- Adjustable volume control
- Built-in high quality speaker for intelligible monitoring
- Power Source : DC 24V
- Weight : 7.5kg / 16.5lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Monitor Panel

PM-6228

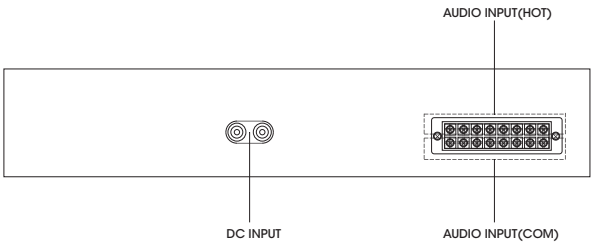


DC

Features

- Output level LED Display (3 colors)
- Channel Select Switch (Select AMP, Monitoring Output Level)
- Display the 8CHannels of AMP output
- High Quality Monitoring Speaker
- Speaker Volumn Control
- Power Source : DC 24V
- Weight : 3.5kg / 7.7lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



BatteryCHarger

PB-6207

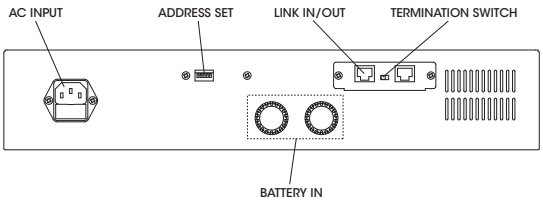


AC

Features

- AutomaticCHarging
  Up to Max. 3A will beCHarged, and if it is closed to full charging voltage (26.4V), current will be decreased to 10~20mA to maintain theCHarging status when it is fullyCHarged
- Volt/ampere meter
  Voltage and current of battery will beCHecked through front LED display
- MonitoringCHarging status
  The status ofCHarging voltage and current can be monitored through Windows programs
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : 6kg / 13.2lb
- Dimensions (W×H×D) : 482 × 88 × 280mm / 19 × 3.5 × 11in

Rear view



Power Distributor

PD-6359

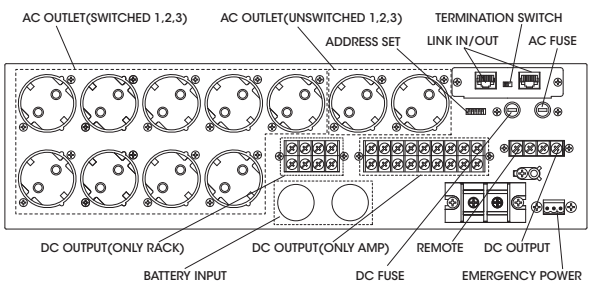


AC

Features

- Rack system power control
  It controls the power of the rack system
- AC outlet terminal
  It consists of UNSWITCHED 1 group and SWITCHED 3 group, and in case of SWITCHED 3, it will be on/off for every 2 seconds with sequential power
- Supply emergency power
  It can supply the battery power to the unswitched power output terminal, so it will be switched to emergency power in case of black out to supply the DC power to the system
- Monitoring of voltage supplying status
  The status of service voltage can be monitored through Windows program
- Remote control
  Power can be on/off from Windows program, and it can be controlled through the contact of remote terminal without PC
- AC/DC Volt meter
  The status of service voltage can be monitored through front LED display consisting
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : 10.5kg / 23.1lb
- Dimensions (W×H×D) : 482 × 132 × 280mm / 19 × 5.2 × 11in

Rear view



Power Distributor

PD-6359A

NEW

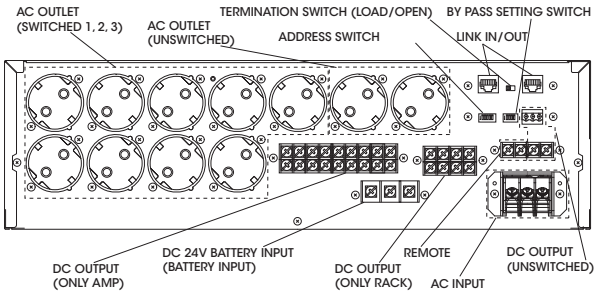


AC

Features

- Controlling entire power of RACK system
- UNSWITCHED 1 and SWITCHED 3 groups, In case of SWITCHED 3, controlling AC power output time in order (2 / 1.5 / 1 / 0.5 second) by using BYPASS setting switch
- Battery power able to be supplied to the DC power input terminal, DC power (battery) automatically switches to supply DC power to the system normally
- Monitoring voltage status and controlling power through Windows program
- Controlled through the contact closure input of the remote terminal without PC
- Checking supply voltage status through a front display consisting of LED segments
- Lowering weight by adopting safe power supply circuit
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption: 5.8Kw
- Weight: 5.8kg / 12.79lb
- Dimensions (W×H×D) : 482 x 132 x 280mm / 19 x 5.2 x 11in

Rear view



Auto Power Switcher

APS-6502

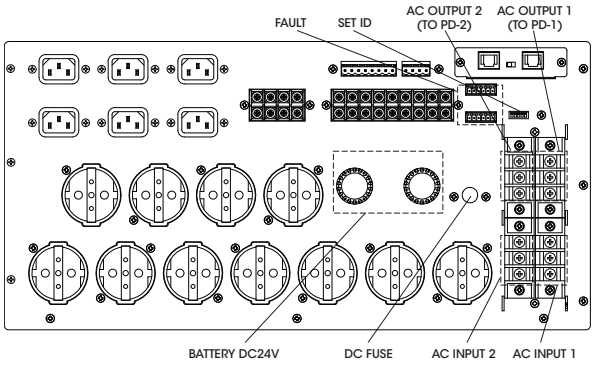


AC DC

Features

- Power redundancy
  APS-6502 is installed with 2 units of PD-6359 as a main and sub unit and helps to support a power back up as a power redundancy
- Automatic switch of AC Main Power
  When AC main power has a problem, it will automatically switch to AC sub power as a main power.
- Automatic switch when detects a fault of PD-6359
  When main PD-6359 unit has a problem, It will automatically switch to sub PD-6359 unit as a main unit.
- Automatic switch to DC power When AC power failed.
  If all of input power 1 and 2 has been failed, it will automatically switch to 24V DC power mode.
- Power Source : AC 220-230V, 50/60Hz, DC 24V
- Weight : 9.5kg / 20.9lb
- Dimensions (W×H×D) : 482 × 220 × 280mm / 19 × 8.7 × 11in

Rear view



Emergency Announcement & Speaker LineCHeckng Unit

SC-05EM

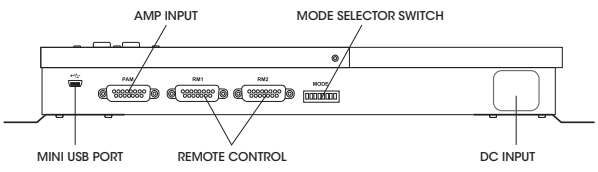


DC

Features

- Optimal solution for creating inexpensive but functional EVAS
- 5 zones of broadcast
- Different scenarios of evacuation
- Built-in module for speaker lineCHeck
- Manual and automatic operating modes
- Connection to remote microphone station RM-05A
- Relay Module
- Indication of operation mode and speaker line state
- Additional “dry contacts”
- Power Source : DC 24V
- Weight : 2kg / 4.4lb
- Dimensions (W×H×D) : 388 × 185 × 54mm / 15.3 × 7.3 × 2.1in

Rear view



NOTE

NOTE

8 x 8 Audio Matrix with Local Control

MATRIX SYSTEM



System Overview

The NPX System is an audio matrix system that allows you to selectively place multiple sources of sound in desired locations. You can select the sound directly or adjust the volume through the local controller and audio input device in each output area.

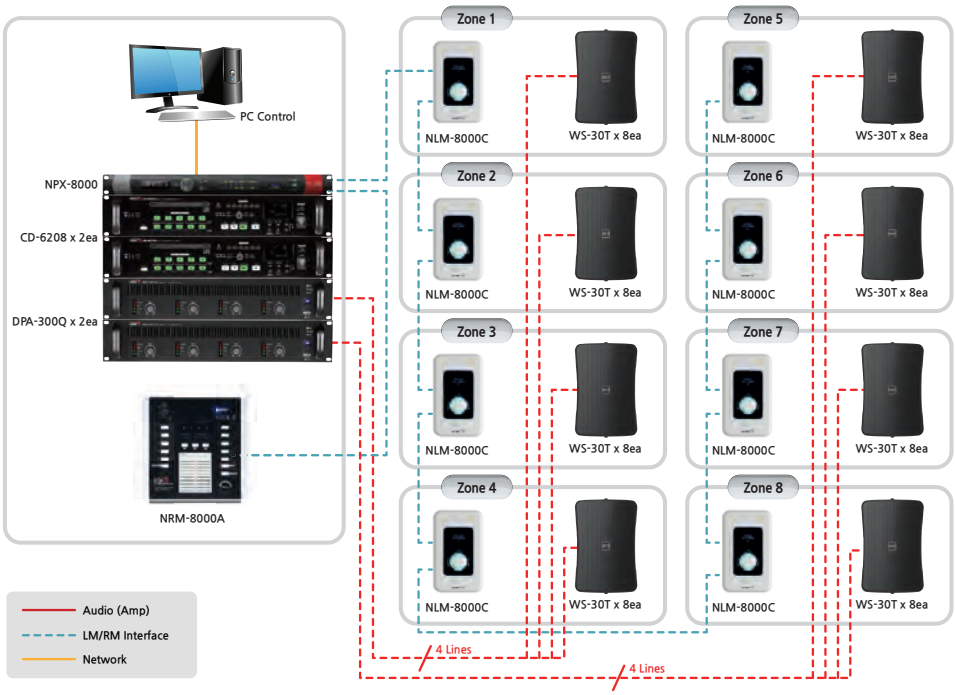
You can use it in various places such as hotel, restaurant, seminar room, hospital, conference center which need dispersion control in each area.

System Feature

1. 8x8 Analog audio and contact closure input/output configuration
2. Sound play via SD card
3. Audio control via DSP
4. Local controller and audio input device for distributed control
5. Remote microphone for paging broadcasting
6. PC program for system integration control
7. Mobile application for remote monitoring and control

CONTROLLER

Applications



8x8 Audio Matrix Controller

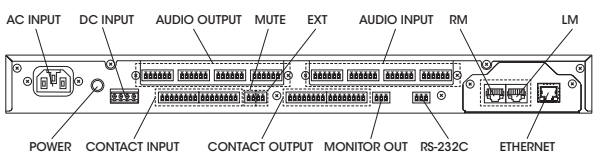
NPX-8000



Features

- Main controller of the NPX system (audio matrix control device)
- Playing MP3 audio source in SD Card
- 8CHannel contact closure input/output
- Monitoring audio output
- Scheduled broadcasting
- Audio DSP: GAIN, PEQ, DUCKING, HPF, COMP/LIMITER, DELAY
- Device controlling and setting by using exclusive PC program (MP-8000)
- Power Source: AC 120-240V, 50/60Hz, DC24V (supplied AC mains transformer depends on country requirements)
- Weight: 4.2kg / 9.26lb
- Dimensions (W×H×D) : 482 x 44 x320mm / 19 x 1.7 x 12.6in

Rear view



Remote MIC Station

NRM-8000A



Features

- Remote microphone for paging broadcasting of NPX system
- Selecting broadcasting area by using 2.43in OLED display and button
- Inputting voice via gooseneck microphone
- Power Source: DC 24V (Powered by RM LINK terminal or power adapter)
- Weight: 1.37kg / 3.02lb
- Dimensions (W×H×D) : 200 x 73 x 206mm / 7.87 x 2.87 x 8.11in

Local Machine Controller

NLM-8000C



DC

Features

- Wall-mounted controller for distributed control of NPX system
- Selecting the sound source in certain zone using the 1.3 inch OLED display and buttons, or control volume/mute
- Power Source: DC 40V (Powered by LM LINK terminal)
- Weight: 133g / 0.29lb
- Dimensions (W×H×D) : 70 x 115 x 39.7mm / 2.76 x 4.53 x 1.56in

Audio Input Local Machine

NLM-8000A



DC

Features

- Wall-mounted controller for distributed control of NPX system
- Broadcasting audio inputted by user to certain area as well as entire area
- Power Source: DC 40V (Powered by LM LINK terminal)
- Weight: 136g / 0.3lb
- Dimensions (W×H×D) : 70 x 115 x 51.9mm / 2.76 x 4.53 x 2.04in

Audio Matrix Controller

PX-8000

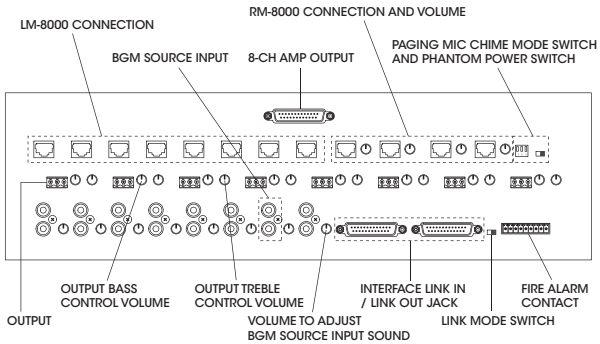


AC

Features

- 8 BGM Inputs and 8 Zone Outputs
- Can be controlled by Front Panel or Zone Local Ports (1 per Zone)
- Link in and link out connectors for daisy-linking mutliple PX-8000 for Unlimited Expansion
- UP to 4 Remote Microphones
- Trigger contact (8) for remote message playback
- PAGING microphone input with Phantom and Voice Control Function
- 3 StepsCHime
- DRP Recording and Playback (60 seconds)
- ZONE Tone Control (Bass/Treble)
- Input / Output Volume Control
- BGM Audio Monitoring Via Built-in Speaker
- CAT-5 Cable Easy Installation (300m) Long-Distance
- 8-Channel Balanced Output Terminals
- Power Source : AC 100-240V, 50/60Hz (supplied AC mains transformer depends on country requirements)
- Weight : 7.5kg / 16lb
- Dimensions (W×H×D) : 482 × 132 × 380mm / 19 × 5.2 × 15in

Rear view



Remote MIC Station

RM-8000



DC

Features

- Convenient Installation with AUTO ID Function
- Selection of VariousCHime Broadcasting for MIC (PRE/POST)
- Priority Broadcasting Options (RM1>RM2>RM3>RM4)
- Output Audio Level Meter- Internal Monitor Speaker
- RS-422 Communication for Long Distance
- Power Source : DC 24V (Supplied from PX-8000)
- Weight : 1.5kg / 3.2lb
- Dimensions (W×H×D) : 200 × 70 × 206mm / 7.9 × 2.8 × 8.1in

Remote Control with Audio In

LM-8000



DC

Features

- Convenient Installation with AUTO ID Function
- RS-422 Communication for Long Distance
- Remote Control For Zone Volume and Selection of BGM
- Independant Local Mic and BGM Broadcasting
- Power Source : DC 24V
- Weight : 130g / 0.28lb
- Dimensions (W×H×D) : 70 × 114 × 52mm / 2.8 × 4.5 × 2in

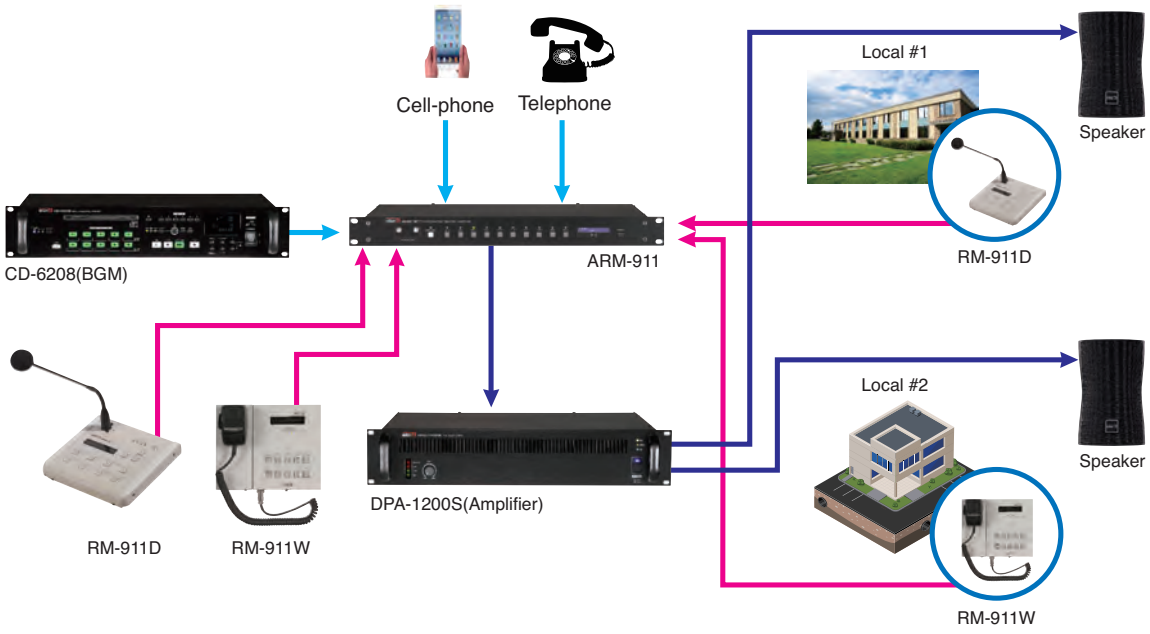
NOTE

ARM SYSTEM



CONTROLLER

Applications



Automatic Remote Message

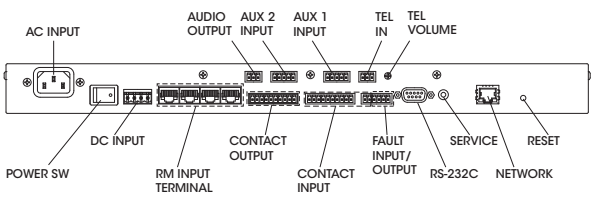
ARM-911A



Features

- 4 tracks of Emergency broadcasting sound source in accordance Framework Act on Fire Services and Civil Defense Alert Regulations
- Instant broadcasting via 10 frontal panel buttons
- Broadcast message through 10CH contact closure input on rear panel
- Emergency broadcasting via mobile and wire telephone
- Voice broadcasting and remote control using remote microphone (RM-911D, RM-911W)
- Time signal broadcasting setting
- PHANTOM power available
- Input DC 24V emergency power
- FAULT INPUT / OUTPUT
- 10CH emergency message broadcast, time and date setting, priority of input source
- Power Consumption: 16W
- Power Source : AC 100-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Weight : 3.5kg / 7.7lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Remote Microphone

RM-911D



Features

- Used for Live Instant Voice Messaging
- 10 Buttons to Activate Recorded Messages
- 4 Digit Security Code to Prevent Unauthorized Use
- Power Source : DC 24V (From ARM-911A)
- Weight : 1.37kg / 3lb
- Dimensions (W×H×D) : 200 x 67 x 206mm / 3.9 x 2.6 x 8.1in

Remote Microphone

RM-911W



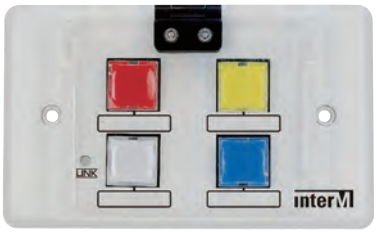
DC PC Control

Features

- Used for Live Instant Voice Messaging
- 10 Buttons to Activate Recorded Messages
- 4 Digit Security Code to Prevent Unauthorized Use
- Power Source : DC 24V (From ARM-911A)
- Weight : 1.7kg / 3.7lb
- Dimensions (W×H×D) : 261 x 188 x 46mm / 10.3 x 7.4 x 1.8in

Remote Microphone

LM-911



DC

Features

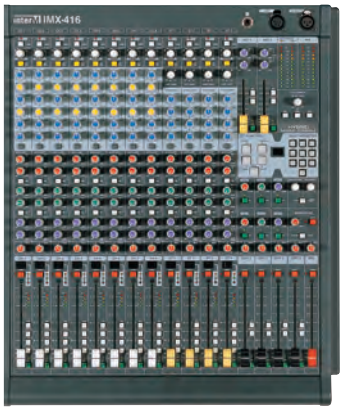
- Wall-mounted remote control device connected with ARM-911A and CAT5E cable
- Remote playback - No.1 to 4 out of 10 sound sources of ARM-911A controlling with 4 buttons on the front (Red - No.1, Yellow -No.2, White - No.3, Blue - No.4)
- Maximum 500m / 0.31mile connection with ARM-911A
- Preventing malfunction of buttons with cover
- Power Source : DC 24V
- Weight : 123.3g / 0.27lb
- Dimensions (W×H×D) : 114 x 70 x 50mm / 4.5 x 2.7 x 1.9in

CONTROLLER

Audio Mixer, Equalizer

Hybrid Mixing Console

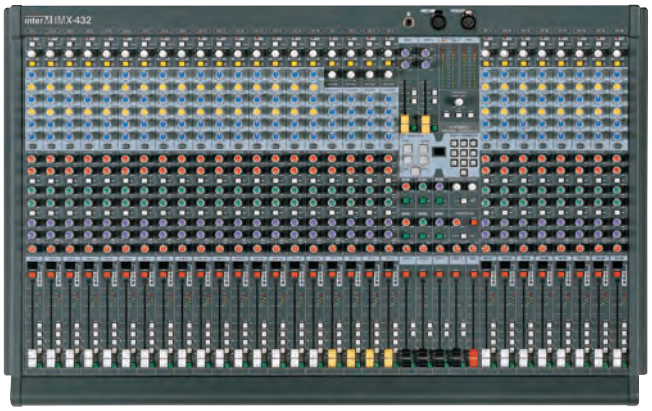
IMX-416(RACK)/424/432



IMX-416 (16CH)



IMX-424 (24CH)



IMX-432 (32CH)

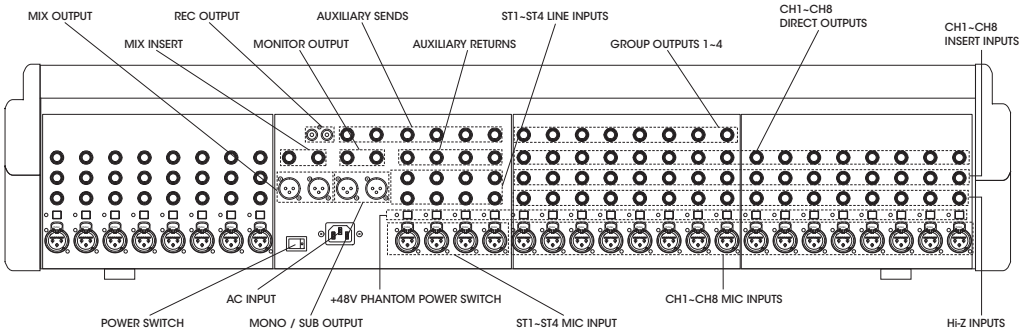
AC | 16 Channel | 24 Channel | 32 Channel

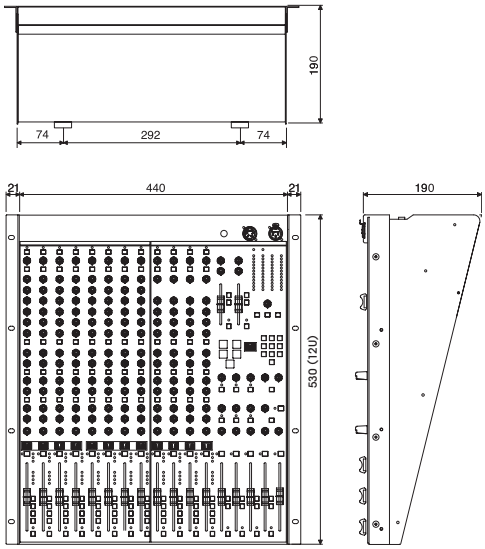
Features

- Three frame sizes accommodating 8, 16 or 24 Mono inputs channels, and 4 Stereo channels.
- Mono channels are equipped with Individual 48-volt phantom power supply, 4-band equalizer with two swept mid frequencies, high-pass filter, 6 Auxiliary sends with pre-fader signal switching, Direct output, 100mm high-quality fader, 4 segment signal metering.
- The mixer has a facility of fader position and mute memory by internal CPU chips. The recalled fader positions are indicated by 7-segment display on each channel.
- Full function Stereo Input Channels with 4-band EQ.
- Internal power supply accepts any AC mains voltage from 100V to 240V.
- Stereo Return has 2 AUX sends, MIX and MONO bus assignment, 60mm fader and AFL system.
- Talk-Back assignment to AUX, Groups, MIX outputs can be selected.

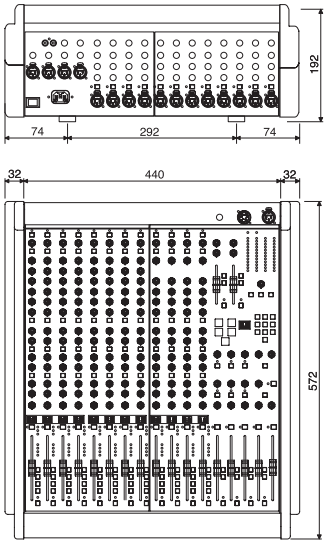
	IMX-416(RACK)	IMX-424	IMX-432
Power Source	AC 100V-240V, 50Hz/60Hz (Supplied AC mains transformer depends on country requirements)		
Power Consumption	95W		
Weight/Shipping Weight	15kg/33.06lb, 22kg/48.50lb	21kg/46.29lb, 29kg/63.93lb	27kg/59.52lb, 37kg/81.57lb
Dimensions(Set(Table))(WxHxD)	504 x 192 x 572mm/19.8 x 7.5 x 22.5in	720 x 192 x 572mm/28.3 x 7.5 x 22.5in	936 x 192 x 572mm/36.8 x 7.5 x 22.5in
Dimensions(Box)	610 x 270 x 690mm/24.0 x 10.6 x 27.1in	825 x 270 x 690mm/32.4 x 10.6 x 27.1in	1040 x 270 x 690mm/40.9 x 10.6 x 27.1in
Dimensions(Rack Mounting)	482 x 190 x 530mm/19 x 7.4 x 20.8in	-	-

Dimensions

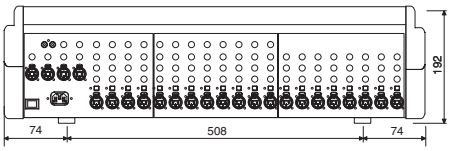


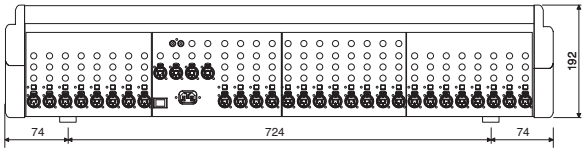


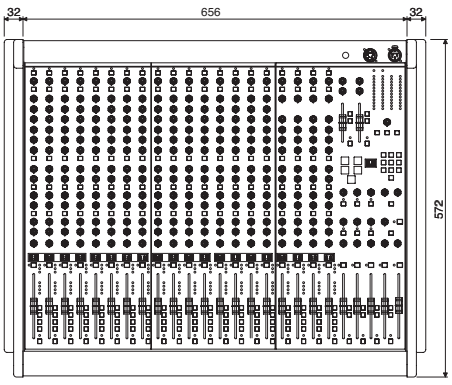
IMX-416 (RACK TYPE)



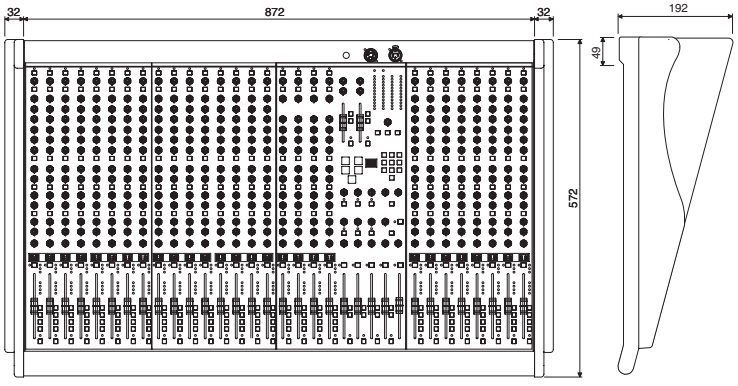
IMX-416 (TABLE TYPE)







IMX-424 (TABLE TYPE)



IMX-432 (TABLE TYPE)

Professional Audio Mixer

MX-1243

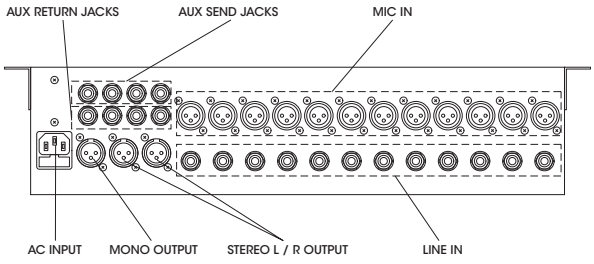


AC

Features

- Four auxiliary outputs for 12 monoCHannel inputs, stereo main output, monitor output and convenient use of the unit
- External device input and output function
- Checking the adjustment of the output signal of the input signal to the headphone output
- 3-band tone control function built in for theCHannel to adjust the tone according to the user's taste
- Condenser microphone power: +48V
- Power Source : AC 100-240V, 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption: 25W
- Weight: 7.5kg / 16.53lb
- Dimensions (W×H×D) : 482 x 104 x 310mm / 18.9 x 4.09 x 12.2in

Rear view



Professional Audio Mixer

MX-1646

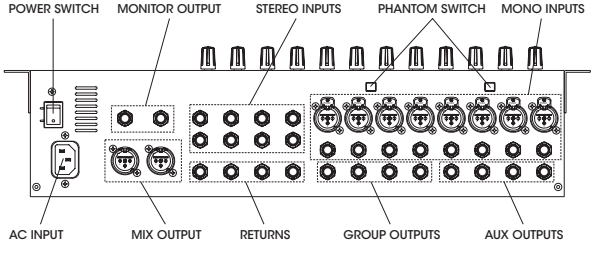


AC

Features

- 8 mono inputCHannels, 4 stereo inputCHannels
- Equalizer for eachCHannel (Mono - 3 bands, Stereo - 2 bands)
- 4 GROUP outputs, 4 AUX outputs, 2 RETURNS
- Headphone and monitor output
- Monitoring function of eachCHannel (SOLO)
- Output level LED display (GROUP / MIX / SOLO)
- Condenser microphone power: +48V
- 7U with mounted rack
- Power Source : AC 100-240V, 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption: 25W
- Weight: 5.78kg / 12.74lb
- Dimensions (W×H×D) : 482 x 105 x 310mm / 19 x 4.13 x 12.2in

Rear view



Dual 31 Band Graphic Equalizer

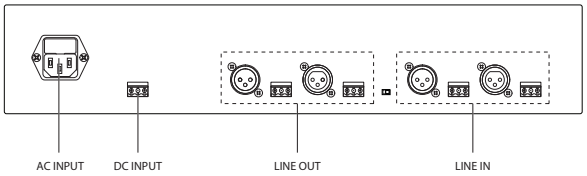
EQ-2231A



Features

- Dual 31 Band graphic equalizer
- 1/3 Octave 20Hz ~ 20kHz, ±12dB
- 80Hz 18dB/octave high-pass filter
- Constant Q circuitry
- Balanced XLR and balanced EURO TERMINAL
- Selectable EQ Range : ±6dB, ±12dB
- Cut-only switch
- Hard bypass switch
- DC 24V power input
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 20W
- Weight : 5kg / 11lb
- Dimensions (W×H×D) : 482 × 88 × 234mm / 19 × 3.4 × 9.2in

Rear view



NOTE

CONTROLLER

Video Mixer, Switcher

Multi Input HD AV Mixer

HDMX-1104

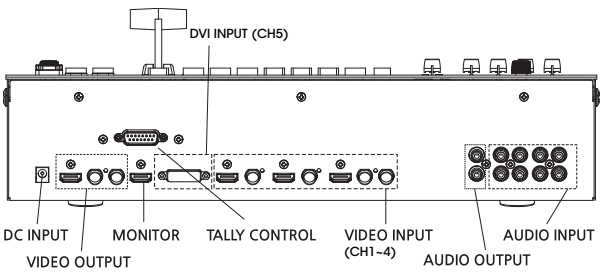


DC

Features

- Supports Full HD AV quality
- Provide 5 inputCHannels
  (HD-SDI :1CH,HD-SDI/HDMI : 3CH, DVI : 1CH)
- All inputCHannels have frame sync function
- Supports various screen switch functions
  WIPE, DISSOLVE, FADE IN/OUT, PUSH, SLIDE IN/OUT, PAGE effects
- Supports various screen sync functions
  CHROMA-KEY, PIP, DSK, LOGO sffects
- It can mix or link by selecting video and audio of 4CHannels input
  (except for DVI input)
- Max 10 settings can be saved
- Power : DC12V, 1.5A
- Weight : 4.6kg / 10.1lb
- Dimension (W×H×D) : 440 × 93 × 266mm / 17.3 × 3.7 × 10.5in

Rear view



Video Audio Matrix Switcher

HDMS-0808

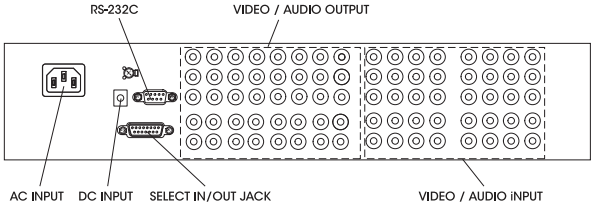


AC DC

Features

- 8 × 8 A/V Matrix switcher for [HD] A/V source
- PC control by RS-232
- Simply simultaneous output & DISCONNECTON function
- AUDIO / VIDEO individual or simultaneous CONTROL function
- Low CROSSTALK and double-width frequency response
- Parallel connection (2 units available)
- Although power is off, Blackout Compensation function is
  available to return previous
  operation status before blackout
- KEY LOCK function to protect front button malfunctioning
- TALLY LAMP control for broadcasting equipment
- Power Source : AC 120-240V, 50/60Hz, DC 12V
  (supplied AC mains transformer depends on country requirements)
- Weight : 3.85kg / 8.5lb
- Dimensions (W×H×D) : 482 × 88 × 220mm / 19 × 3.5 × 8.6in

Rear view



Video Audio Matrix Switcher

VAMS-0808

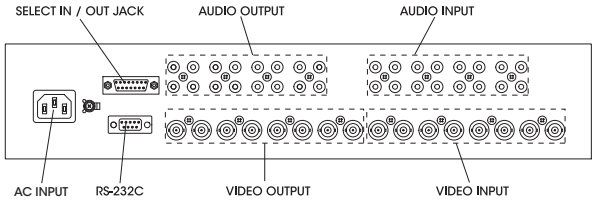


AC

Features

- Video / Audio control
- Possible to link to PC using RS-232C data communication
- Video switching function
- Switch locking function to protect false-operation
- High frequency feature and low cross talk (±0.5dB)
- Visible in / out display condition
- Parallel connection function
- Audio / Video in / output with A/V thermal noise protection
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : About 18W
- Weight : 5kg / 11lb
- Dimensions (W×H×D) : 482 × 88 × 220mm / 19 × 3.5 × 8.7in

Rear view



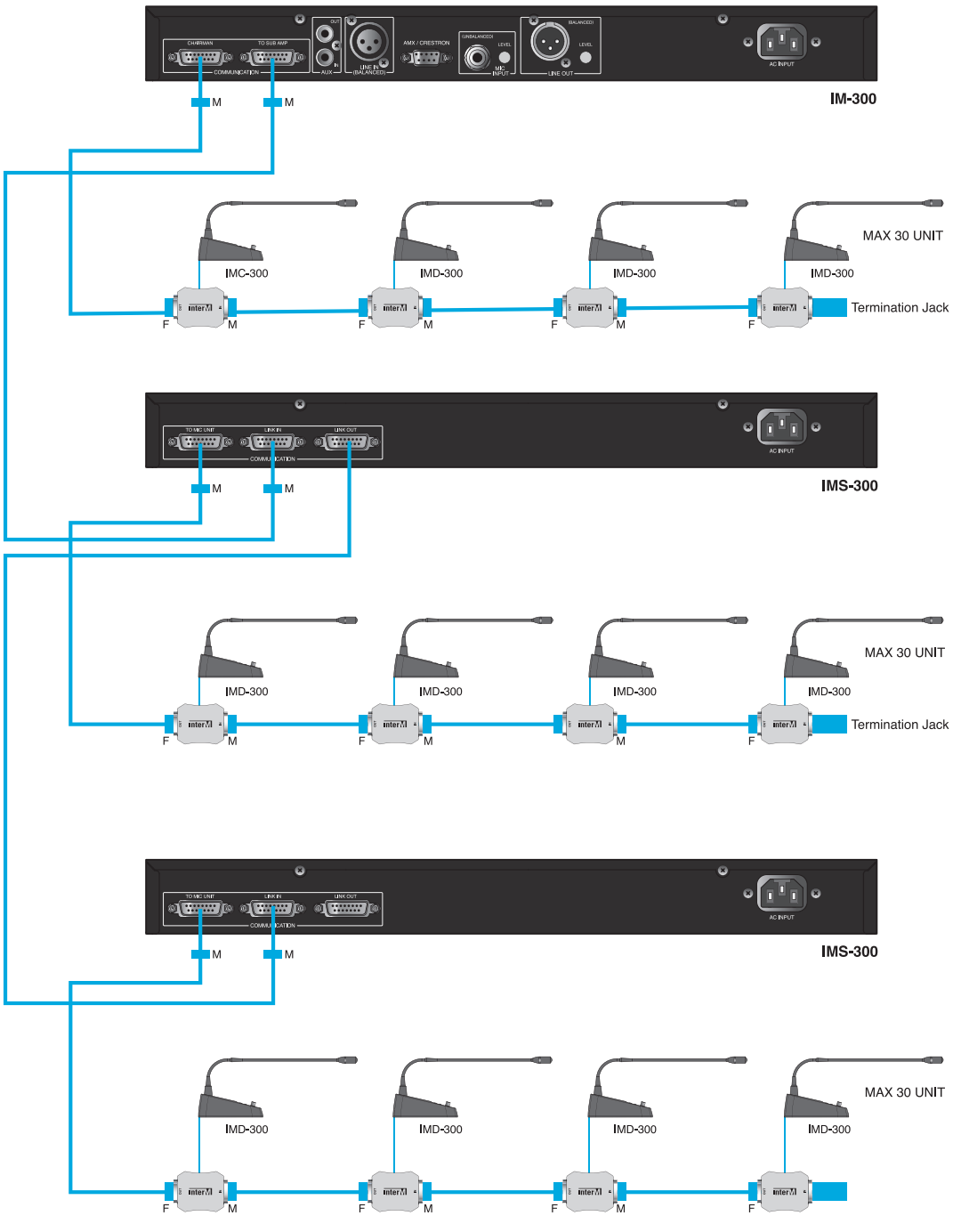
NOTE

CONFERENCE SYSTEM



CONTROLLER

Connection



Main Controller Amplifier

IM-300

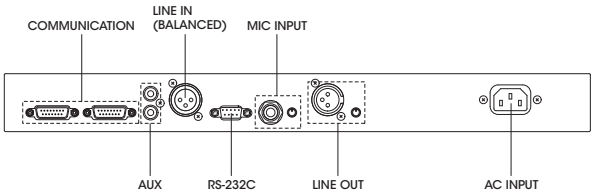


AC

Features

- Dot MATRIX designed VFD display
- USB recording (Using USB memory stick, MP3 file)
- High fidelity 60W monoCHannel amplifier
- Built-in monitor speaker with control volume
- Tone control (Bass / Mid / Treble)
- Extra microphone jack with volume
- AUX input, AUX out, LINE input, LINE out
- Connecting : 30 Mic unit
- Expansion capability with IMS-300 (Sub amplifier)
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : 5.8kg / 12.8lb
- Dimensions (W×H×D) : 482 × 44 × 380 mm / 19 × 1.7 × 15in

Rear view



Chairman/Delegate Mic Unit

IMC-300/IMD-300



IMC-300



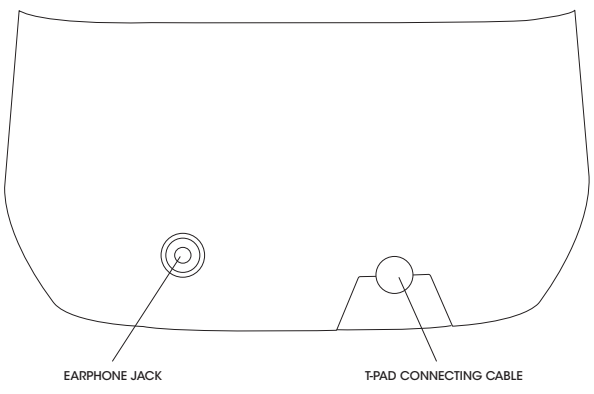
IMD-300

DC

Features

- Gooseneck microphone with LED ring
- Built-in monitor speaker
- Speaker level adjustable by volume controller
- Earphone jack output
- LCD display
  (Reservation, Waiting order, Speaking Time limitation)
- IM-300/IMD-300 Control(IMC-300)
- Power Source : DC 19V (Supplied from IM-300)
- Weight : IMC-300 : 1.9kg / 4.2lb, IMD-300 : 1.8kg / 4lb
- Dimensions (W×H×D) : 129 × 78 × 208 mm / 5.1 × 3 × 8.2in

Rear view



Sub Amplifier

IMS-300

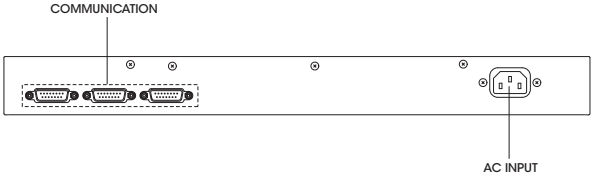


AC

Features

- High fidelity 60W monoCHannel amplifier for extension
- Connecting : 30 Mic unit
- Extension by D-Sub terminal
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : 5.5kg / 12.1lb
- Dimensions (W×H×D) : 482 × 44 × 380 mm / 19 × 1.7 × 15in

Rear view



Cables

IMW-15/30



IMW-15 IMW-30

Features

- Length extension cable for conference system
  (IMW-15 : 15m, IMW-30 : 30m)

CONTROLLER
Audio/Data Transmission

Audio Over Ethernet

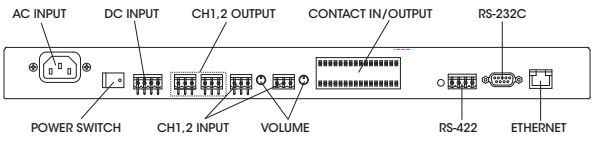
AOE-212N



Features

- The AOE AUDIO over ETHERNET NETWORK is an easy to use solution for transporting audio signals over ethernet TCP/IP based local and wide area networks (LAN/WAN), as well as the Internet
- Real time 2CHannel audio signal transceiver (transmitter/receiver) ethernet to 2CHannel analog audio signal real time transmitter, receiver
- Full-duplex data communication through ethernet network
  - Contact : function of in / out contact data transceiver (transmitter/receiver) (each of the 8CHannels)
  - Communication : function of serial data transceiver (transmitter/receiver) (RS-232C, RS-422)
- Expansion of device
  - Multicast (1:70) (This function is planned to upgrade)
  - Unicast (1:20) (This function is planned to upgrade)
- Power Source : AC 100-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Weight : 3.27kg / 7.2lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Receiver for AOE

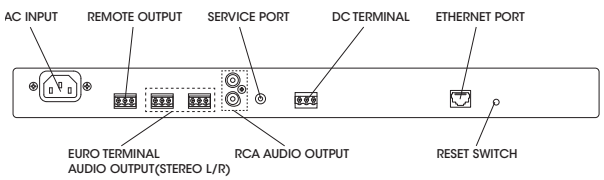
RFA-102



Features

- Diffused Receiving-only device of AOE-212N
- Transmitting device, AOE-212N dedicated 2CHannel audio receiving device
- Receiving without limitation of distance using LAN / WAN network
- Receiving contact closure (1CH)
- Compact size (1U size)
- Controlling devices through web page
- Adopting hardware reset switch (rear side)
- Power Source: AC 220-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption: 8.5W
- Weight: 3.08kg / 6.79lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 x 1.7 x 11in

Rear view



Audio Streaming Player

ASP-100

NEW

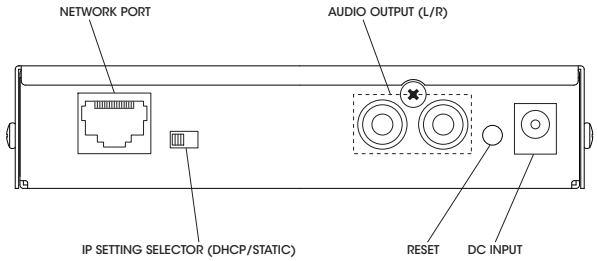


DC WEB

Features

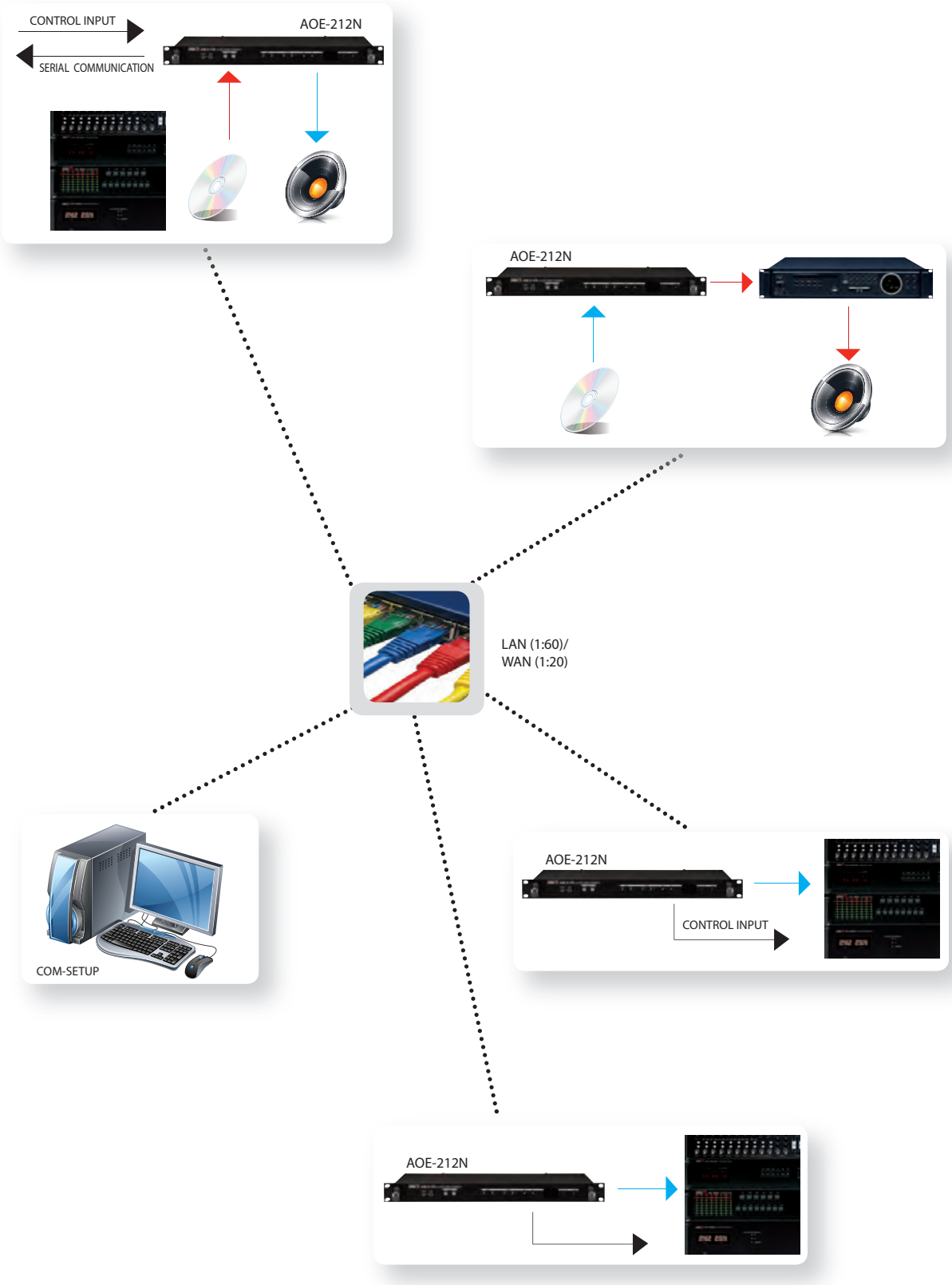
- Broadcasting streaming over the network without downloading or saving the sound source
- Controlling devices through web page
  - Selecting streamingCHannel (internet radio), play, stop, control the volume
  - Security and device management through password setting and log viewing
  - Scheduled setting of the systemCHeck and initializing the system
- Intuitive monitoring of broadcast and network transmission status via LED (Power/Network/On Air/Operation/DHCP)
- Dynamic IP (DHCP), Static IP (STATIC)
- Continuous streaming playback with redundancy settings and advanced buffering management
- RCA audio output terminal
- Power Source: DC 12V
- Power Consumption: 3W
- Weight: 460g / 1.01lb
- Dimensions (W×H×D) :
  132.8 × 28.6 × 138.3mm / 5.23 x 1.12 x 5.44in

Rear view



NOTE

APPLICATIONS AOE-212N



Dante™ Audio Signal Router

DASR-288

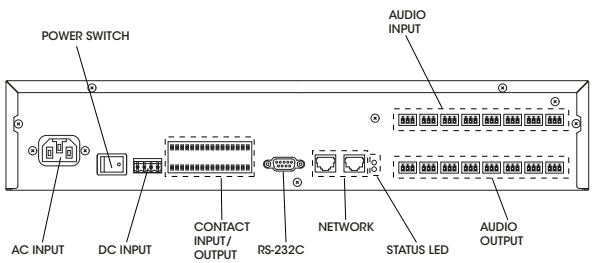


Control

Features

- 2U size
- 8 audio inputs / outputs
- 8 separate input signal LEDs (AUDIO IN 1~8)
- 8 separate output signal LEDs (AUDIO OUT 1~8)
- 4 network status LEDs
- PRIMARY, SECONDARY 10/100 LED, 1000M LED
- Data tunneling
- 8 Contacts input / output dry contact
- 2 network input ports and status LED
- Power Source : AC 120-240V, 50/60Hz, DC 24V
- Weight : 4.01kg / 8.84lb
- Dimensions (W×H×D) : 482 x 88 x 280mm / 19 x 3.5 x 11in

Rear view



Dante™ Amplifier Controller

DAC-288

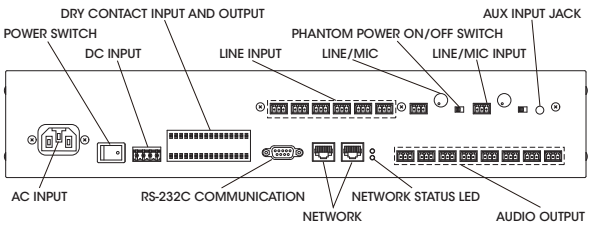


Control

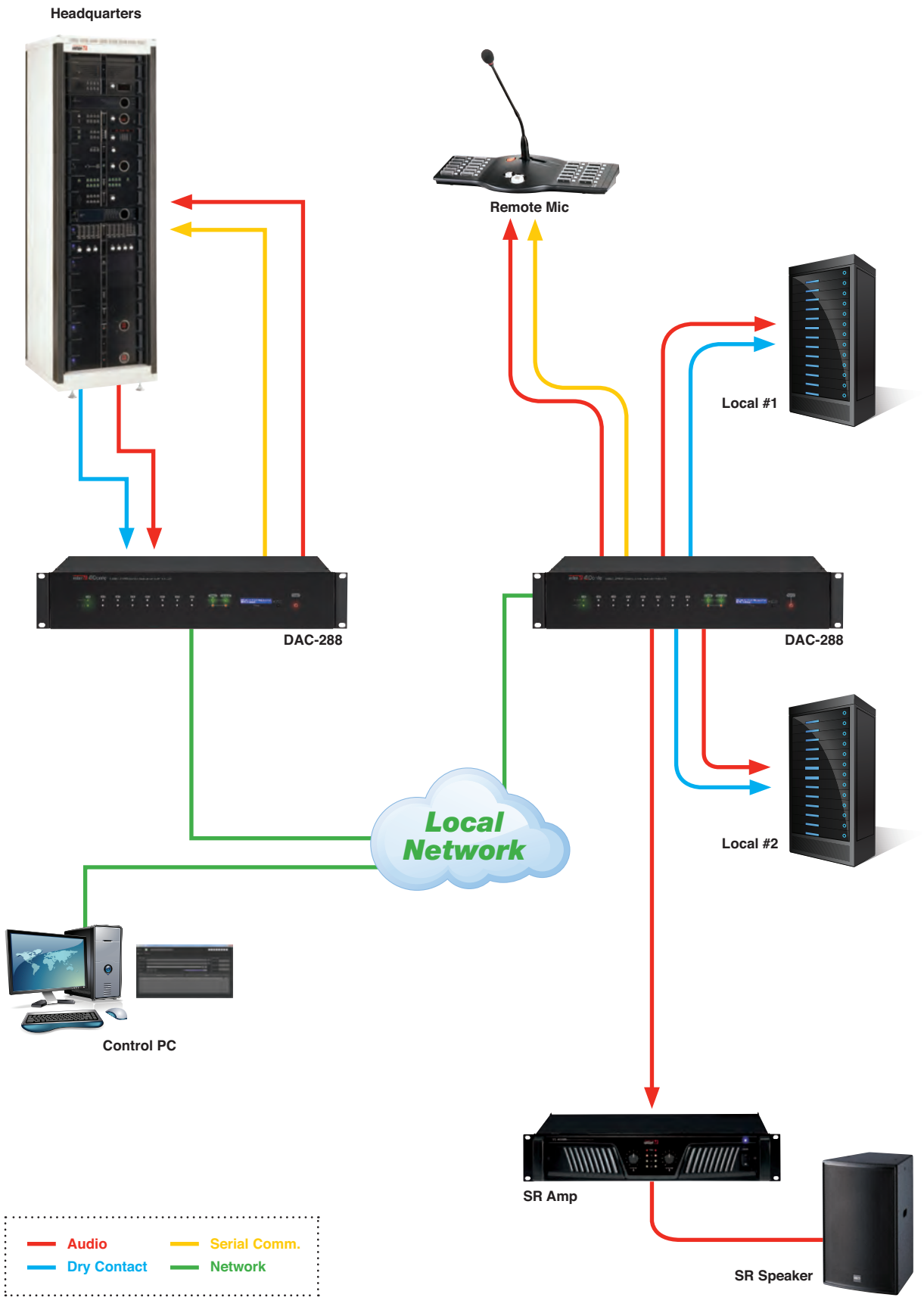
Features

- 8CH real time audio signal transmitter-receiver
- Data transmission via network
- S-CONNECT : set up for equipment and system operating monitoring program
- Check out status of suitable equipment through webpage (CGI)
- Power Source : AC 120-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption : 25W
- Weight : 6kg / 13.2lb
- Dimensions (W×H×D) : 482 × 88× 280mm / 19 × 3.5 × 11in

Rear view



APPLICATIONS DAC-288



Dante™ Audio Controller

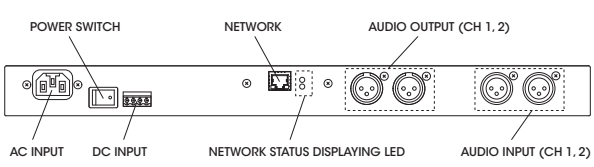
DAC-122



Features

- Audio transmitting and receiving device with Audinate's Dante™ network audio technology
- Real-time audio transmission
- Full bidirectional audio transmission
- Supporting 48kHz / 24bit high quality digital audio transmission
- 2CH audio inputs and 2CH audio outputs
- 2 XLR inputs and 2 XLR outputs
- Select and manage input / output connections using Dante Management Software
- Power Source : AC 100-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption : 10W
- Weight : 2.91kg / 6.42lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 x 1.7 x 112in

Rear view



2/8CHannel Audio Transmitter/Receiver

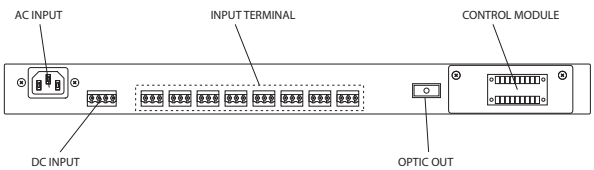
FTA/FRA-108S



Features

- FTA-108S : 8CH fiber optic transmitter
- FRA-108S : 8CH fiber optic receiver
- 24Bit, 48kHz high quality audio
- PAD switch for controlling the input level
- 8CH contact & serial Data (RS-232/422) with communication Module
- Audio Transmission : Fiber optic in / out (Single Mode : MAX 15km)
- Power Source : AC 100-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Weight : 4.2kg / 9.3lb
- Dimensions (W×H×D) : 482 × 44 × 280mm / 19 × 1.7 × 11in

Rear view



Control Transmitter/Receiver Module

CT/CR-600ECS



DC

Features

- Option module for adding ITX/IRX SERIES, FTA/FRA-108S control signal transmit function
- Long distance transmit among 6000 systems
- Easy installation with installation slot in the set
- Applied Equipment
  CT-600ECS : FTA-108S, ITX-108, ITX-102
  CR-600ECS : FRA-108S, IRX-108, IRX-102
- Power Source : DC 5V, DC 24V (From main equipment)
- Weight : 250g / 0.55lb
- Dimensions (W×H×D) : 85 × 35 × 135mm / 11.8 × 1.7 × 9in

Control Transmitter/Receiver Module

CT/CR-600RM

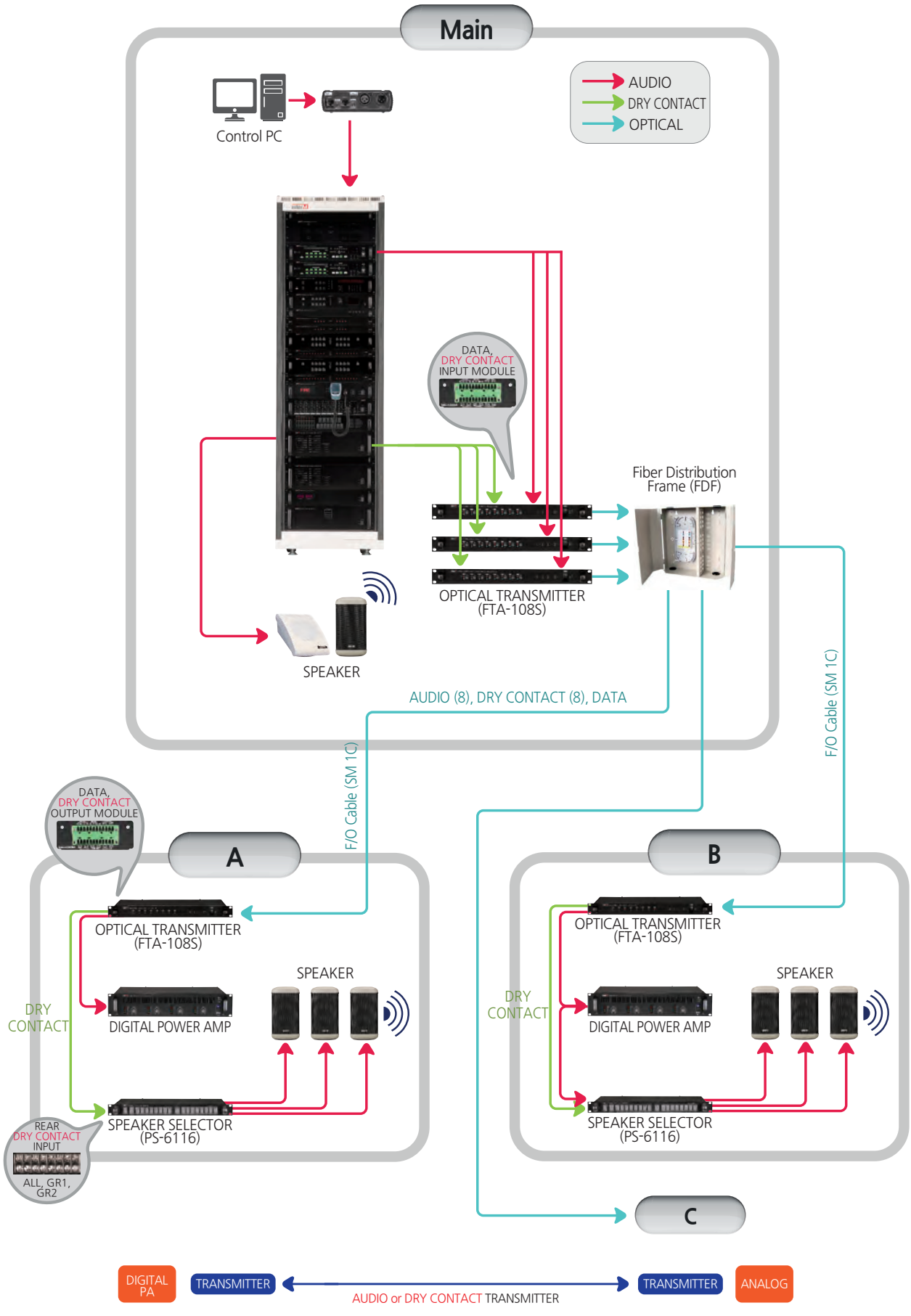


DC

Features

- Optional module which adds the control signal transfer function for the ITX/IRX Series, FTA/FRA-108S
- Long distance transmit of REMOTE MIC(RM-6024) audio and communication signal
- Easy installation with installation slot in the set
- Applied Equipment
  CT-600RM : FTA-108S, ITX-108, ITX-102
  CR-600RM : FRA-108S, IRX-108, IRX-102
- Power Source : DC 5V, DC 24V (From main equipment)
- Weight : 250g / 0.55lb
- Dimensions (W×H×D) : 85 × 35 × 135mm / 11.8 × 1.7 × 9in

APPLICATIONS FTA/FRA-108S



Converter

CIA-01



Features

- Equipment for converting audio and data signal of RM-6024 through AOE-212N
- Dividing audio signal of RS-422& into audio, contact, and RS-422 signal
- Power Source : DC 5V (from RM)
- Weight : 116g / 0.25lb
- Dimensions (W×H×D) : 77 x 53.5 x 27.9 mm / 3 x 2.1 x 1.1in

Converter

CIA-03



Features

- Equipment for distant-controlling PAC-5000 through contact
- Outputting by priority by selecting entire area of PAC-5000, once contact and data signal inputted into CIA-03
- Power Source : DC 5V
- Weight : 200g / 0.44lb
- Dimensions (W×H×D) : 50 x 78.5 x 29.5mm / 2 x 3.1 x 1.2in

Converter

CIA-02



Features

- Equipment for converting the signal transmitted through AOE-212N to connect with 6000 system
- Enabling RS-422& signal to be inputted into ECS-6216P (6000 1 BUS) or PX-6216 (6000 8 BUS) by converting audio, contact, and RS-422 signal
- Power Source : DC 24V (From PX-6216 or ECS-6216)
- Weight : 114g/0.25lb
- Dimensions (W×H×D) : 77 x 53.5 x 27.9 mm / 3.0 x 1.1 x 2.11in

Converter

CIA-09



Features

- Equipment for enabling broadcasting remotely to the area set by No.1 MACRO of RM-6024 in 6000 1 BUS/8 Bus system
- Connecting audio and contact signal inputted into CIA-09 with ECS-6216P (6000 1 BUS) or PX-6216 (6000 8 BUS) by converting the signals to RS-422& audio signal
- Power Source : DC 5V
- Weight : 150g / 0.33lb
- Dimensions (W×H×D) : 93 x 27.8 x 52mm / 3.7 x 1.1 x 2.04in

Converter

CIA-10



Features

- Equipment for enabling broadcasting remotely to the area set by No.1 MACRO of DRM-8232A in 8000 system
- Connecting audio and contact signal inputted into CIA-10 with DSC-8200A by converting the signals into RS-422 signal
- Power Source : DC 5V
- Weight : 150g / 0.33lb
- Dimensions (W×H×D) : 93 x 27.8 x 52mm / 3.7 x 1.1 x 2.04in

Converter

CIA-12



Features

- Device to use MACRO function of RM-6024 on behalf of RM-6024 in 6000 1 BUS/8 BUS system
- Setting maximum 48 MACRO with 5 contact closures
- Selecting MACRO broadcasting area with MS-6100/6800 program
- Power Source : DC 24V
- Weight : 120g / 0.26lb
- Dimensions (W×H×D) : 93 x 27.8 x 52mm / 3.66 x 1.09 x 2.05in

Converter

CIA-11



Features

- Equipment for controlling the external equipment by outputting contact signal according to audio signal input
- Audio input socket: AUX (PC), EURO 3P (Line/MIC source device)
- Controlling the time of outputting 3 steps of contact with Output Timer function (10, 30, 60 sec)
- Power Source : DC 12V (Adapter)
- Weight : 150.9g / 0.33lb
- Dimensions (W×H×D) : 93 X 27.8 X 52 mm / 3.66 x 1.1 x 2.04in

Converter

CIA-14



Features

- Equipment for controlling the external equipment by outputting contact signal according to audio signal input
- Audio input socket: AUX (PC), EURO 3P (Line/MIC source device)
- Controlling the time of outputting 3 steps of contact with Output Timer function (10, 30, 60 sec)
- Controlling the volume of Audio input socket (EURO 3P)
- Power Source : DC 12V (Adapter)
- Weight : 150.9g / 0.33lb
- Dimensions (W×H×D) : 93 X 27.8 X 52 mm / 4.6x 1.1 x 2.04in

Expansion Converter

CIA-15



Features

- Expandable to maximum 4 NRM-8000As (Remote microphone of NPX system)
- Maximum 300m / 984ft cable from NPX-8000 to NRM-8000A
- Maximum 0.3m / 11.8in cable from CIA-15 to NRM-8000A (in the same area)
- Less than cable of DCR 100m/9.8Ω is recommended
- Weight : 121.3g / 2.5lb
- Dimensions (W×H×D) : 93 x 27.8 x 52mm / 3.7 x 1.1 x 2.04in

NOTE

NOTE

AMPLIFIER

Table Type Amplifier

Digital 2bus PA Combination System

PAC-5000A



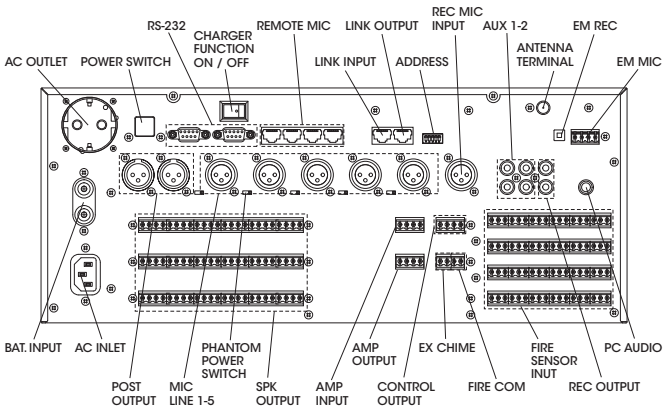
AC DC · USB · CD · Tuner · SD · High 70V 100V · 24 Zone · 300 Watt · Class-D · 3 Band · DSP · PC Control · Priority · WEB

Features

The PAC-5000A is the ideal all-in-one compact integrated system for many applications.

- Rated Output Power : 300W+300W(RMS) @<1% THD
- 2 AmplifierCHannels with each 12 zone speaker selector system. (120 ZONE capacity when linking up to 5 x PAC- 5000)
- 3 wire, 4 wire system ATT. Support both standard and priority-over-ride speaker attenuators
- User defined Broadcast priority.
- Web-browser Control and Configuration
- Remote MIC(RM-6024) control (4 unit per system)
- GPI contact triggering
- Emergency broadcast and Messaging (Uploadable file source)
- Scheduled broadcast of MP3 audio. (Up to 30sec, bell, message)
- Playback source file of CD-DA, MP3, WMA
- Playback source file of CD-DA, MP3, WMA
- Built-in memory can store content of CD, and USB.
- DC24V emergency power and batteryCHarger
- Power Source : AC 100-240V, 50/60Hz, DC 24V
- Power Consumption : 135W
- Weight : 11.1kg / 24.4lb
- Dimensions (W×H×D) : 440 × 177 × 380mm / 17.3 × 7 × 15in

Rear view



Digital 2bus PA Combination System

PAC-5600



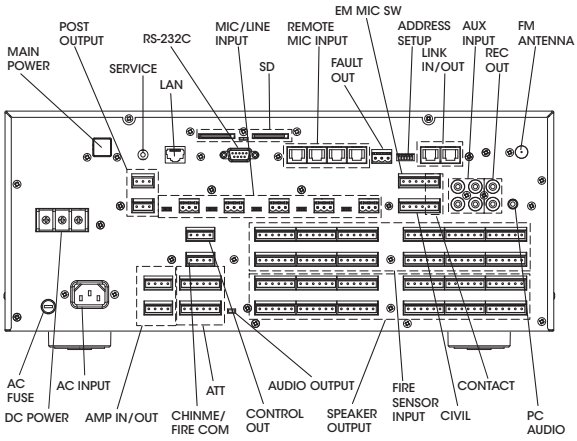
AC DC · USB · CD · Tuner · SD · High 70V 100V · 24 Zone · 300 Watt · Class-D · 3 Band · DSP · PC Control · Priority · WEB

Features

The PAC-5600 is the ideal all-in-one compact integrated system for many applications.

- Rated Output Power : 300W+300W(RMS) @<1% THD
- 2 AmplifierCHannels with each 12 zone speaker selector system. (120 ZONE capacity when linking up to 5 x PAC- 5000)
- 3 wire, 4 wire system ATT. Support both standard and priority-over-ride speaker attenuators
- User defined Broadcast priority.
- Web-browser Control and Configuration
- Remote MIC(RM-6024) control (4 unit per system)
- GPI contact triggering
- Emergency broadcast and Messaging (Uploadable file source)
- Scheduled broadcast of MP3 audio. (Up to 30sec, bell, message)
- Playback source file of CD-DA, MP3, WMA
- Playback source file of CD-DA, MP3, WMA
- Built-in memory can store content of CD, and USB.
- DC24V emergency power and batteryCHarger
- Power Source : AC 100-240V, 50/60Hz, DC 24V
- Power Consumption : 135W
- Weight : 11.2kg / 24.7lb
- Dimensions (W×H×D) : 440 × 177 × 380mm / 17.3 × 7 × 15in

Rear view



Digital PA System

PSI-5120A/5240A

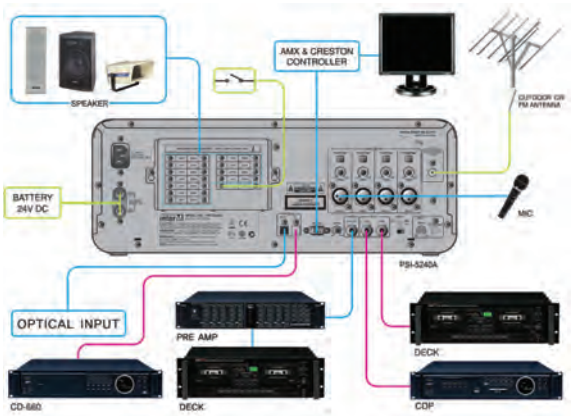


AC DC · USB · CD · Tuner · Low High · 10 Zone · 120 Watt · 240 Watt · Class-D · 5 Band · PC Control · Priority

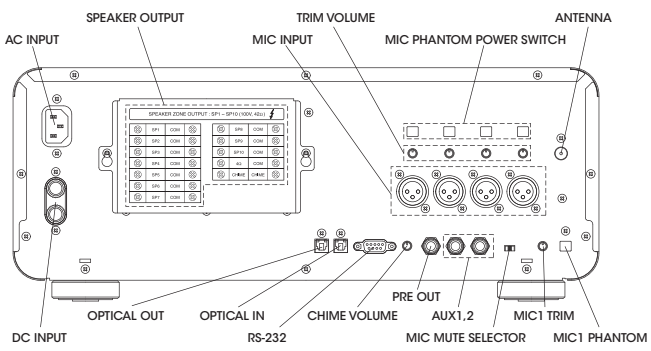
Features

- Rated Output Power : PSI-5120A : 120W(RMS) @<1% THD
  PSI-5240A : 240W(RMS) @<1% THD
- DOT MATRIX Design VFD Display
- Digital Processing & Digital Amplifier
- 10 Zone Selector (High impedance)
- Input Select : MIC(1~5), Tuner, 1CD, USB, DRP, AUX(1 or 2), Digital Input
- Built-In Various Sound Sources (FM Tuner, CD, USB, DRP)
- CD Play back (CD-DA, CD-R, CD-RW, MP3, WMA)
- Reliable CD Mechanism (Anti-Shock System)
- USB Host (Play)
- EQ Control (5 Band)
- Chime (2 Tone)
- Built-in speaker for convenient monitoring
- Power Source : AC 100-240V, 50/60Hz, DC 24V
- Power Consumption : 85W (1/8 power)
- Weight : 13kg / 28.7lb
- Dimensions (W×H×D) : 430×204×310mm / 17×8×12.2in

Connection



Rear panel



Multi PA Combination

SYSTEM-2240G

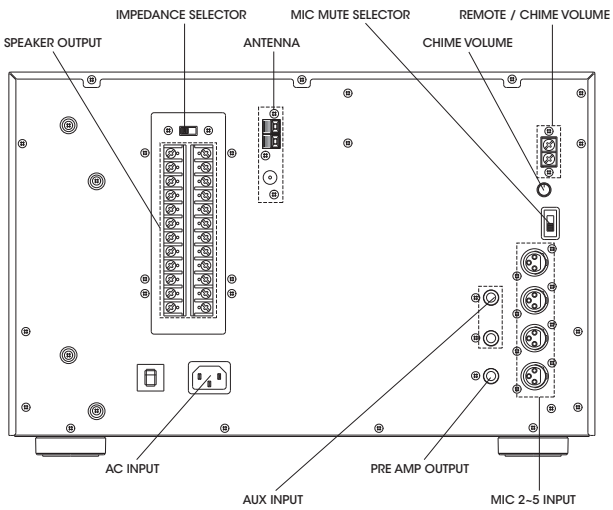


AC | CD | Tuner | Low High | 10 Zone | 120 Watt | 240 Watt | 2 Band

Features

- Rated Output Power : 240W(RMS) @ <1% THD
- Speaker Selector
  10 speaker selecting switches are provided to enable you to select 10 speakers individually or totally
- 7-Band Equalizer & Spectrum analyzer
  Installation of 7 band equalizer & spectrum analyzer according to frequency enables to tone control easily with your eyes (±10dB @ 63Hz, 160Hz, 400Hz, 1kHz, 2.5kHz, 6.3kHz, 16kHz)
- Tuner Memory
  The total 30 memory address (FM : 18, AM : 12) in system can memorize the frequency of broadcasting station You can use the desirable frequency conveniently
- Normal dubbing
- Auto-relay function
  cascading playback between DECK A and DECK B for seamless continuous playback
- 1CD (CD-DA, CD-R, CD-RW) / MP3 Player / WMA
  The product has a built-in CDP that can play back the CD stored in a MP3 file format to enable convenient use (Support playback of CD in CD / MP3 format)
- Monitor Speaker on the Side Panel
  You can monitor output signal by using the monitor speaker on the right side panel, and can control the monitor level on front panel by 3 step lever switch
- Chime with four tones
  You can conveniently use four toneCHime before the announcement
- Input : 5 Balanced Mic and 2 AUX
- Priority Muting : Mic 1, 2 or all mic selectable
- Power Source : AC 100-240V, 50Hz/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 230W
- Weight : 23kg / 50.7lb
- Dimensions (W×H×D) : 420 × 266 × 310mm / 16.5 × 10.5 × 12.2in

Rear panel



Public Address Amplifier

PAM-120A/340A/480A

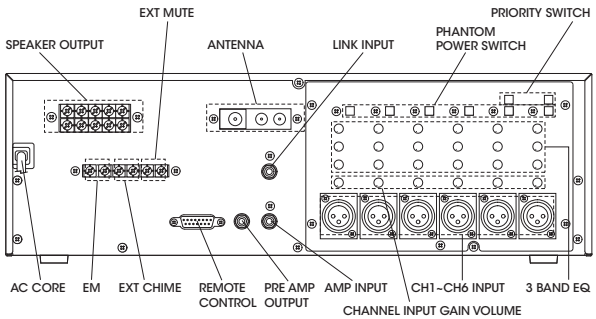


AC · DC · CD · Tuner · 5 Zone · 120 Watt · 340 Watt · 480 Watt · Priority

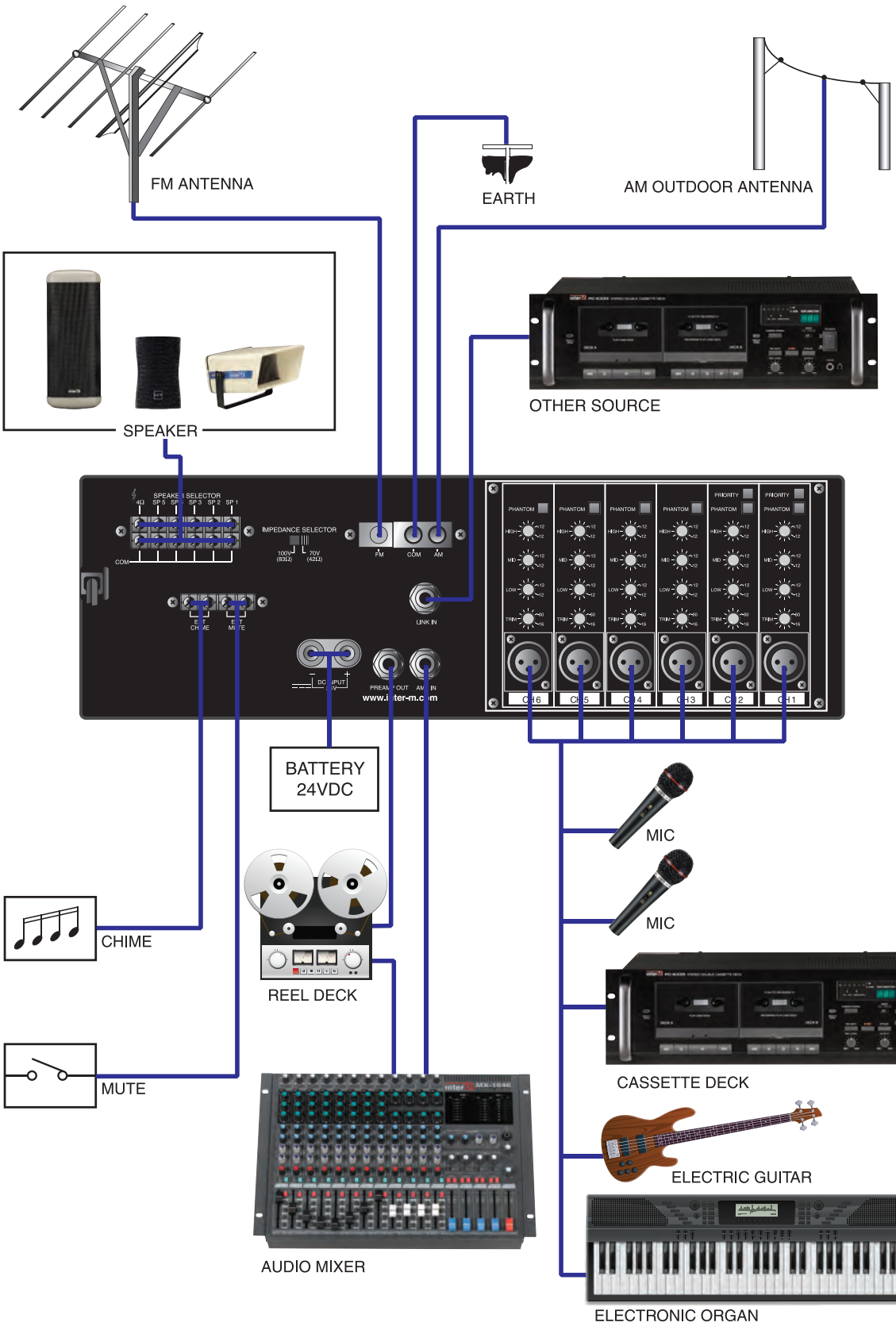
Features

- Rated Output Power : PAM-120A - 120W(RMS) @<1% THD
  PAM-340A - 340W(RMS) @<1% THD
  PAM-480A - 480W(RMS) @<1% THD
- Input Connectors : Option of screw terminals, XLR, 1/4″, RCA
  (supplied connectors depends on country)
- Optional Modular Signal Sources :
  CD player, Cassette, AM/FM tuner
- 3 Band Equalizer on Inputs : 100Hz/1kHz/10kHz ±12dB
- 2 Band Equalizer (Master) : 100Hz/10kHz ±12dB
- Adjustable Priority Muting :CH 1 / 2,CHime
- Remote Control : multi-tone pre-announcementCHime
- Wired remote control for external amps andCHime
- Line in for additional mixer or amp link
- 5 individually selectable speaker zones with all call
- Single-cycle multi-toneCHime
- Emergency Announcement based on alarm input
- Power Source : AC 100-240V, 50/60Hz,
  DC 24V(Only PAM-120A)
  (supplied AC mains transformer depends on country requirements)
- Power Consumption :
  PAM-120A : 130W, PAM-340A : 260W, PAM-480A : 360W
- Weight : PAM-120A : 13kg, 28.7lb / PAM-340A : 13.5kg / 29.7lb,
  PAM-480A : 15.5kg / 34.2lb
- Dimensions (W×H×D) : 420 × 132 × 360mm / 16.5 × 5.2 × 14.1in

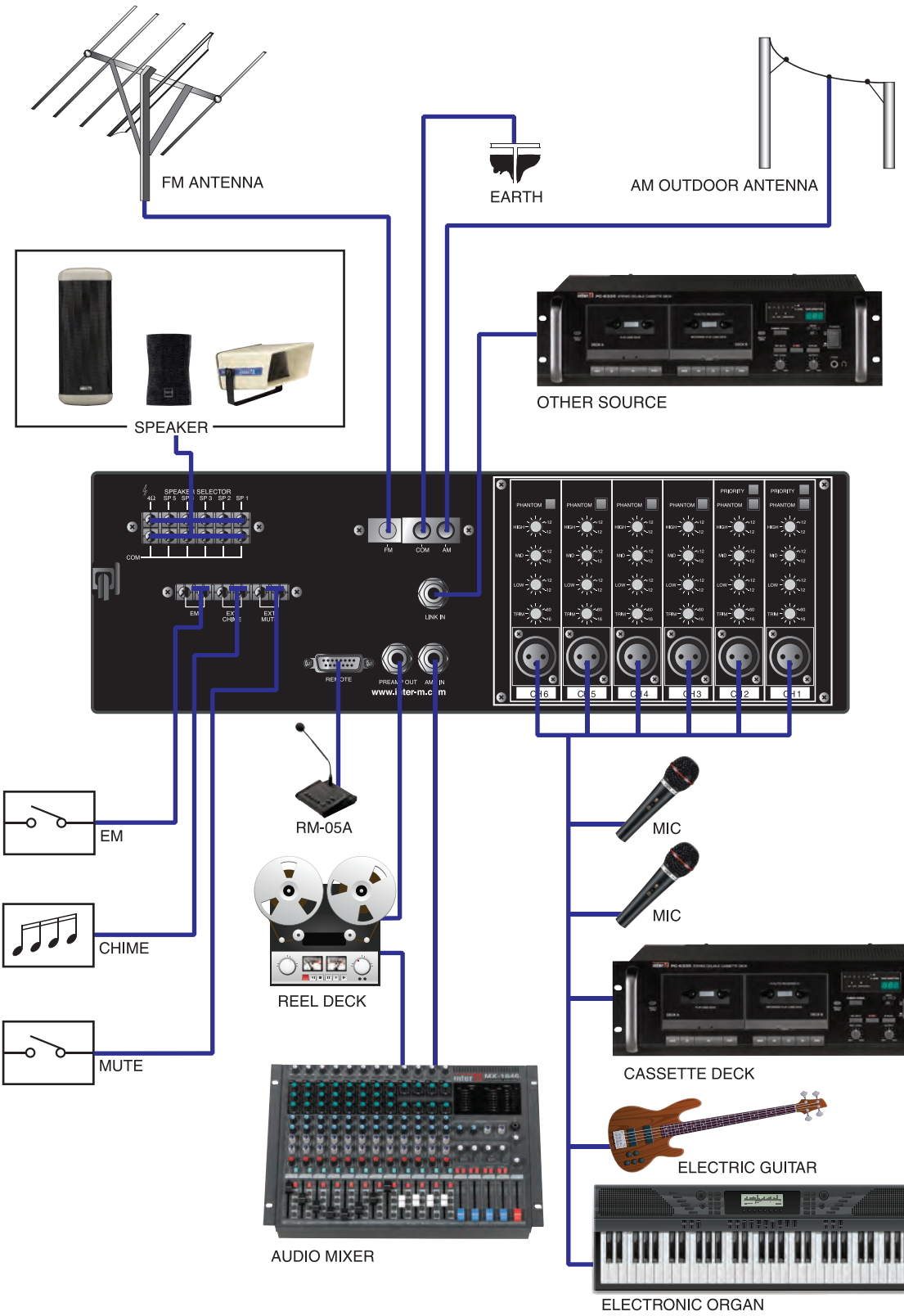
Rear view



CONNECTION PAM-120A



CONNECTION PAM-340A/480A



ATT. Zone Amplifier

PAM-510/520

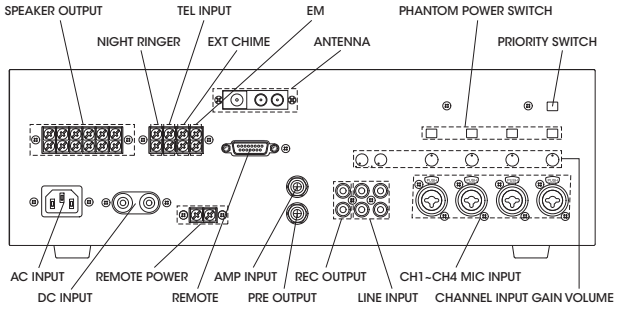


AC DC · USB · CD · Tuner · Low High · 5 Zone · 120 Watt · 240 Watt · 2 Band · Priority

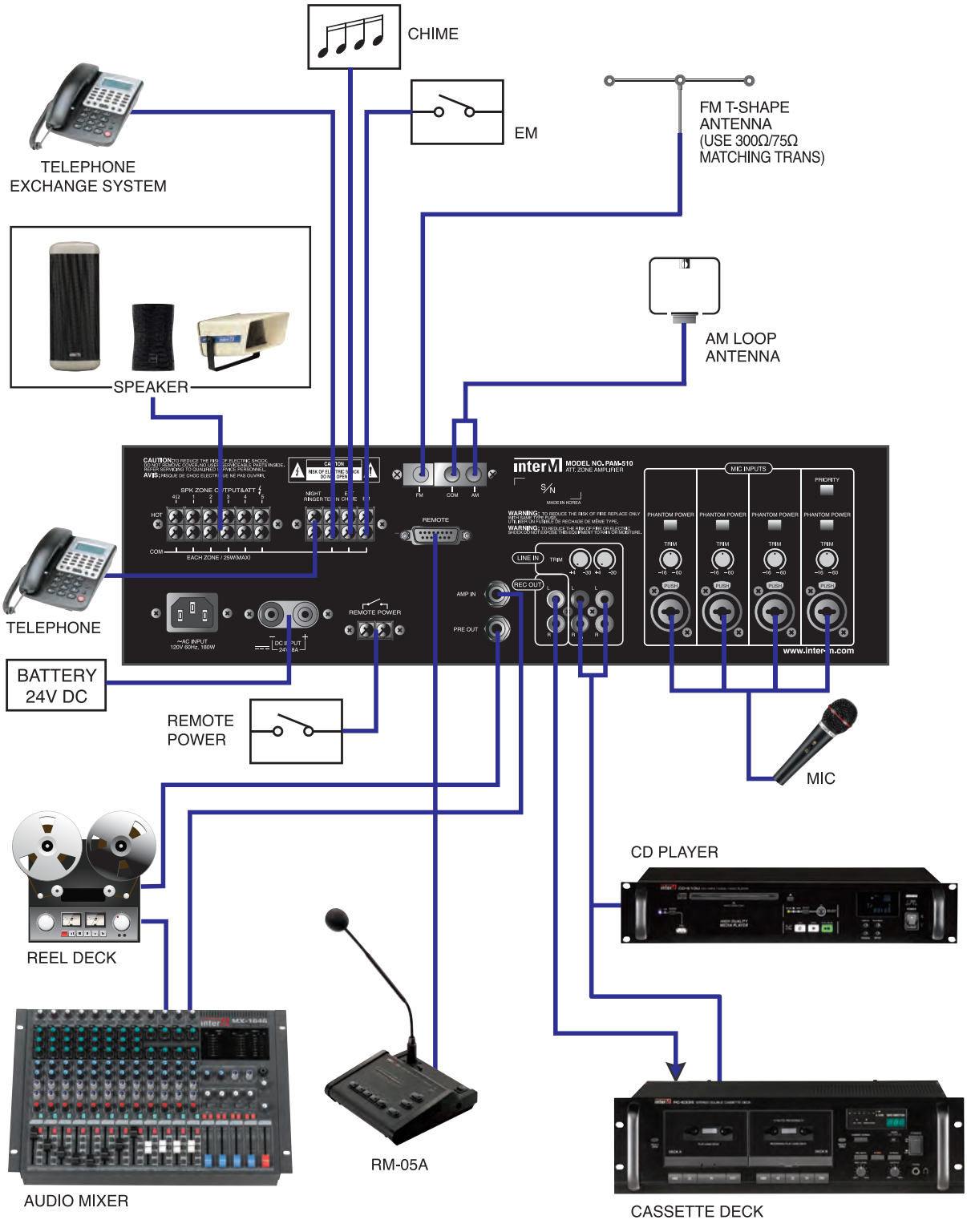
Features

- Rated Output Power :
  PAM-510 - 120W(RMS) @<1% THD
  PAM-520 - 240W(RMS) @<1% THD
- 5 individual selectable speaker zones with all call
  6 speaker selecting switches enable you to select any combination of up to five speakers
- Remote Power : Turn on / off amplifier by remote control
- Emergency announcement based on alarm input when EM switch is pressed in emergencies, EM broadcasting stored in VOICE IC is outputted
- Monitor Speaker
  You can monitor output signal by using the monitor speaker, and can control the monitor level on front panel by 3 step lever switch
- Single-cycle multi-toneCHime
- Wired remote control for external amps andCHime
  Individual speaker zones can be selected andCHime can be operated by wired remote control
- Selectable Priority Muting : MIC 1, Siren,CHime, Ringer, Telephone input, Remote amp Switchable audio signal priority for MICCHannels 1, siren,CHime and Telephone input over other input sources
- Optional Modular Signal Sources :
  CD Player, Cassette deck, AM/FM Tuner
- Individual Input Gain Controls
  Rear-panel gain controls for each inputCHannel for total control of individual levels
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : PAM-510 : 180W, PAM-520 : 320W
- Weight : PAM-510 : 17kg / 37.6lb, PAM-520 : 19kg, 42lb
- Dimensions (W×H×D) : 482 × 132 × 398mm / 19 × 5.2 × 15.7in

Rear view



CONNECTION PAM-510/520



Mixing Amplifier

PA-360/480/600

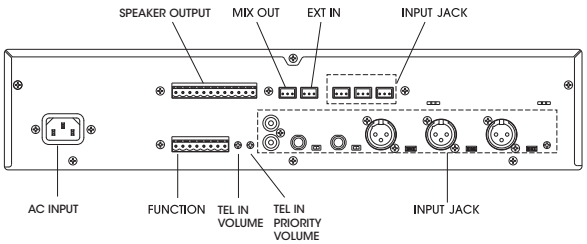


AC | Low High | 5 Zone | 360 Watt | 480 Watt | 600 Watt | Class-D | 2 Band | Priority

Features

- Rated Output Power :
  PA-360 - 360W(RMS) @<0.5% THD
  PA-480 - 480W(RMS) @<0.5% THD
  PA-600 - 600W(RMS) @<0.5% THD
- 6 Inputs (3 x 3 pin balanced XLR/ euroblock, 2 x balanced euro block, 1 x stereo phono)
- Telephone input (Euroblock connectors)
- Priority-telephone, mic 1, mic 2
- Base and Treble tone controls
- Line in
- Line out
- 5 Zone speaker selection
- Chime & Siren
- Bar graph LED output VU meter
- Optional 19" rack kits (BKT-PA4000A)
- Power Source : AC 100-240V, 50/60Hz
  (Supplied AC mains transformer depends on country requirements)
- Weight : 5.2kg / 11.4lb
- Dimensions (W×H×D) : 420 x 88 x 319mm / 16.5 x 3.5 x 12.6in

Rear view



Mixing Amplifier

PA-60A/120A/240A

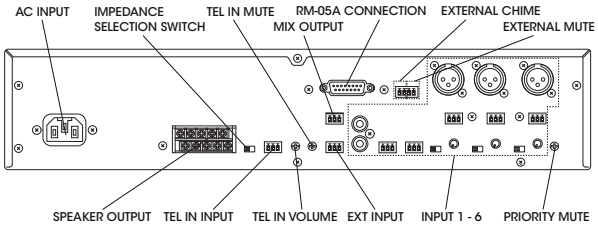


AC | Low High | 5 Zone | 60 Watt | 120 Watt | 240 Watt | Class-D | 2 Band | Priority

Features

- Rated Output Power :
  PA-60A - 60W, PA-120A - 120W, PA-240 - 240W
  High efficiency, low power consumption due to Class-D amplifier.
- Multiple inputs (3 mics/lines, 2 lines, 2 stereo/line inputs, tel in) and a feature for controlling the volume of eachCHannel
- Built-in input signal display LED and output level display LED (7 Dots) perCHannel
- Depending on the frequency used, there are treble and bass controllers to adjust the tone to suit your surroundings and purpose. (At 100Hz and 10kHz, each adjustable ± 10dB)
- Selective-zone / All-zone broadcast by 5 speaker selection switches and a switch for all.
- Priority broadcasting function is adopted which can control other input signals by input signal of TEL IN and INPUT 1. (TEL IN >> INPUT 1 >> INPUT 2~6)
- Chime and Siren, EXT IN, MIX OUT
- PHANTOM POWER support for high intensity condenser microphone (INPUT 1~3)
- Remote : RM-05A (Dimension and weight(including microphone) : 194(W) x 60(H) x 205(D)mm, 800g)
- Power Source: AC 220-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption: PA-60A: 40W, PA-120A: 60W, PA-240A: 90W
- Weight: PA-60A: 6.25kg, PA-120A: 7.32kg, PA-240A: 9.75kg
- Dimensions (W×H×D) : 420 x 88 x 318.7mm / 16.5 x 3.5 x 12.6in

Rear view



Public Address Amplifier

PA-1000B

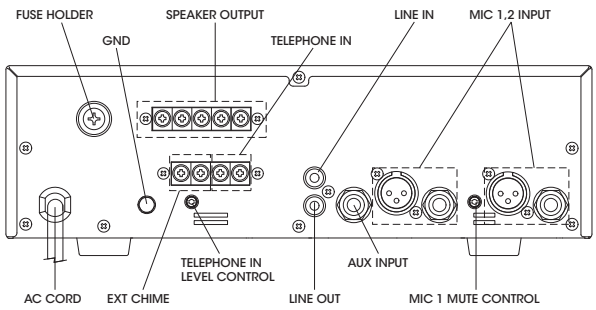


AC | Low High | 30 Watt | 2 Band | Priority

Features

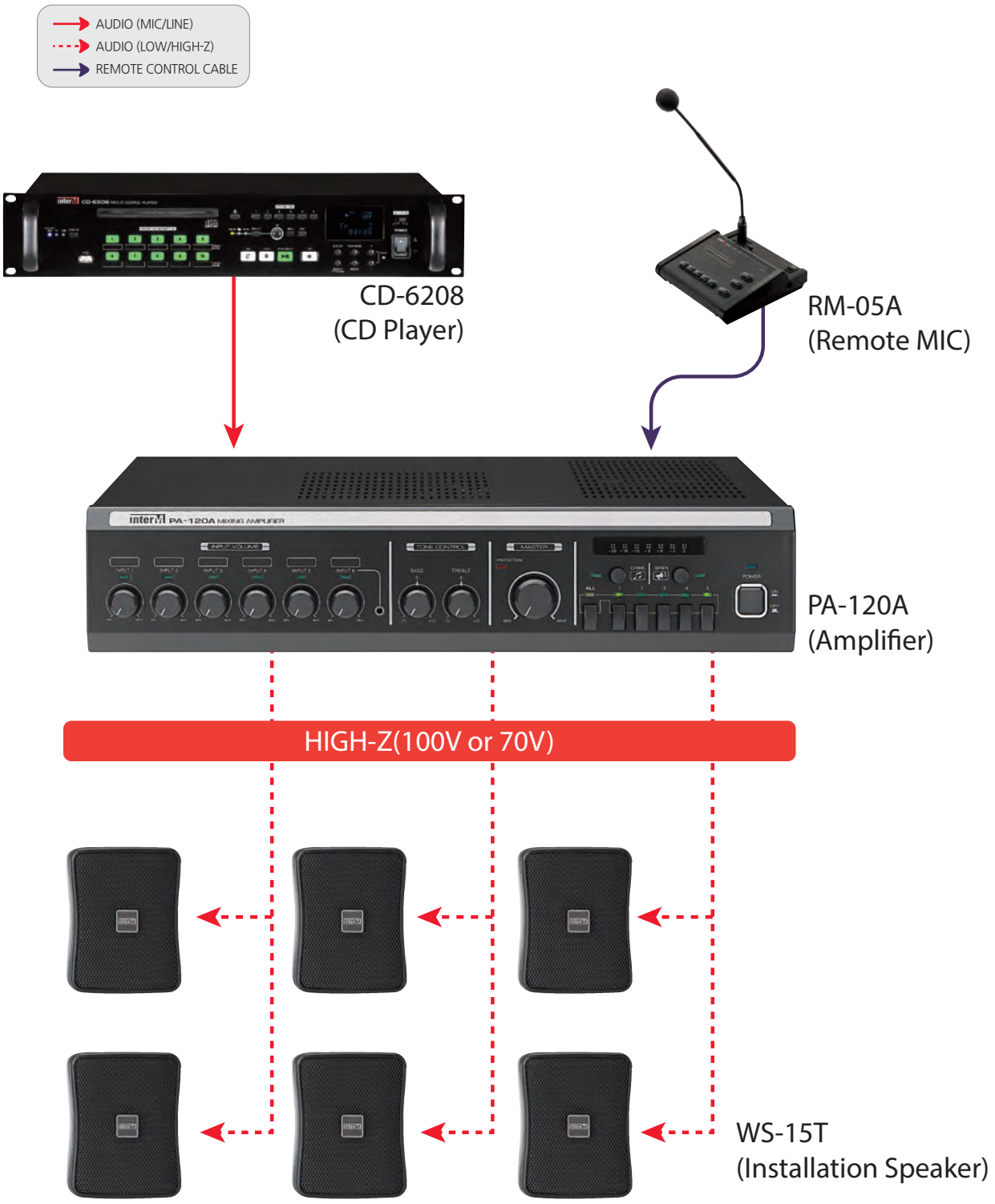
- Rated Output Power : 30W(RMS) @<1% THD
- 3 Mic Inputs (Mic 1, Mic 2 & AUX)
- Telephone In
- Music on Hold
- Priority Muting (Input 1 - Telephone Input)
- ExternalCHime Control
- Pheonix Screw Terminals For Loudspeaker Connection
- Separate Bass and Treble controls
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 45W
- Weight : PA-1000B : 4.6kg / 10lb
- Dimensions (W×H×D) : 300 × 88 × 260mm / 11.8 × 3.5 × 10.2in

Rear view



NOTE

APPLICATIONS PA-60A/120A/240A



Public Address Amplifier

PA-935N

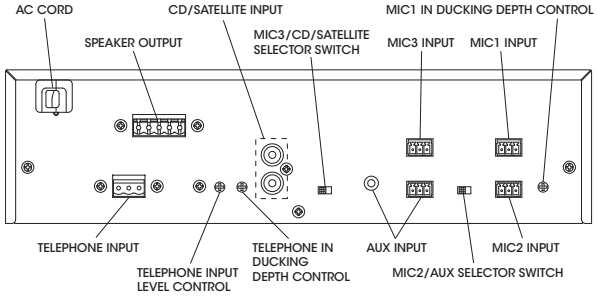


AC | Low High | 35 Watt | 2 Band | Priority

Features

- Rated Output Power : 35W(RMS) @<3% THD
- Inputs : Mic 1 ~ 3, AUX, CD/Satellite, Telephone input
- 2 Band tone control (Bass / Treble)
- Adjustable priority : Mic1, Telephone
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 40W
- Weight : 4.4kg / 9.7lb
- Dimensions (W×H×D) : 290 × 76 × 185mm / 11.4 × 3 × 7.3in

Rear view



Remote Mic Station

RM-05A

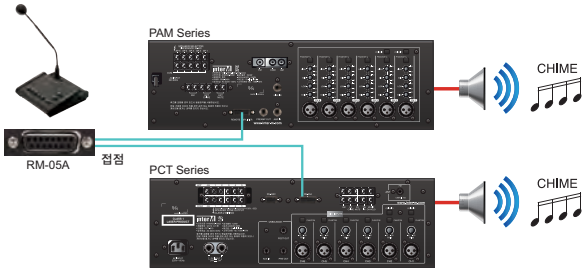


DC

Features

- Incorporates speaker zone control switches for PAM-340A/480A/510/520, PCT-610/620
- Dynamic gooseneck microphone
- Pre-announcementCHime
- LED output level indication
- Power Source : DC 24V (D-Sub connector)
- Weight : 800g / 1.76lb (without Microphone)
- Dimensions (W×H×D) : 194 × 60 × 205mm / 7.6 × 2.3 × 8in

Connection



Public Address Amplifier

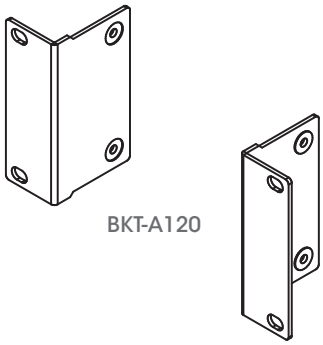
A-60/120



AC | Low High | 60 Watt | 120 Watt | 2 Band | Priority

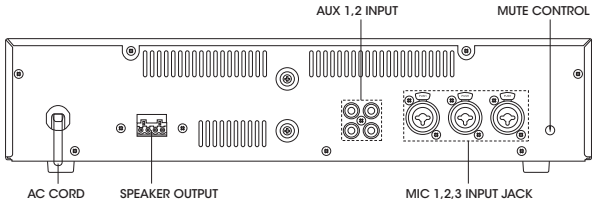
Features

- Rated Output Power :
  A-60 - 60W(RMS)@<1% THD
  A-120 - 120W(RMS)@<1% THD
- 3 Mic Inputs (Combo XLR / ¼" Jack)
- 2 AUX Inputs (Stereo RCA)
- Priority Muting (Mic1 Input Mutes Other inputs are muted when MIC 1 input is in use)
- Pheonix Screw Terminals For Loudspeaker Connection
- Separate Bass and Treble controls
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : A-60 : 75W, A-120 : 105W
- Weight : A-60 : 8.9kg / 19.6lb, A-120 : 10.3kg / 22.7lb
- Dimensions (W×H×D) : 420 × 88 × 320mm / 16.5 × 3.5 × 12.6in



BKT-A120

Rear view



Mixing Amplifier

MA-103

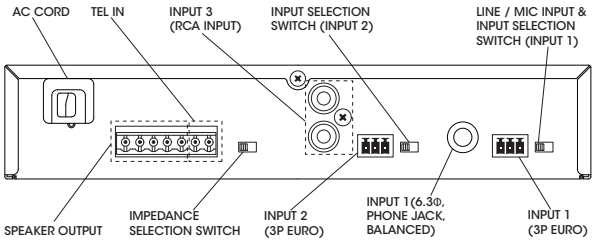


AC | Low High | 30 Watt | 2 Band | Priority

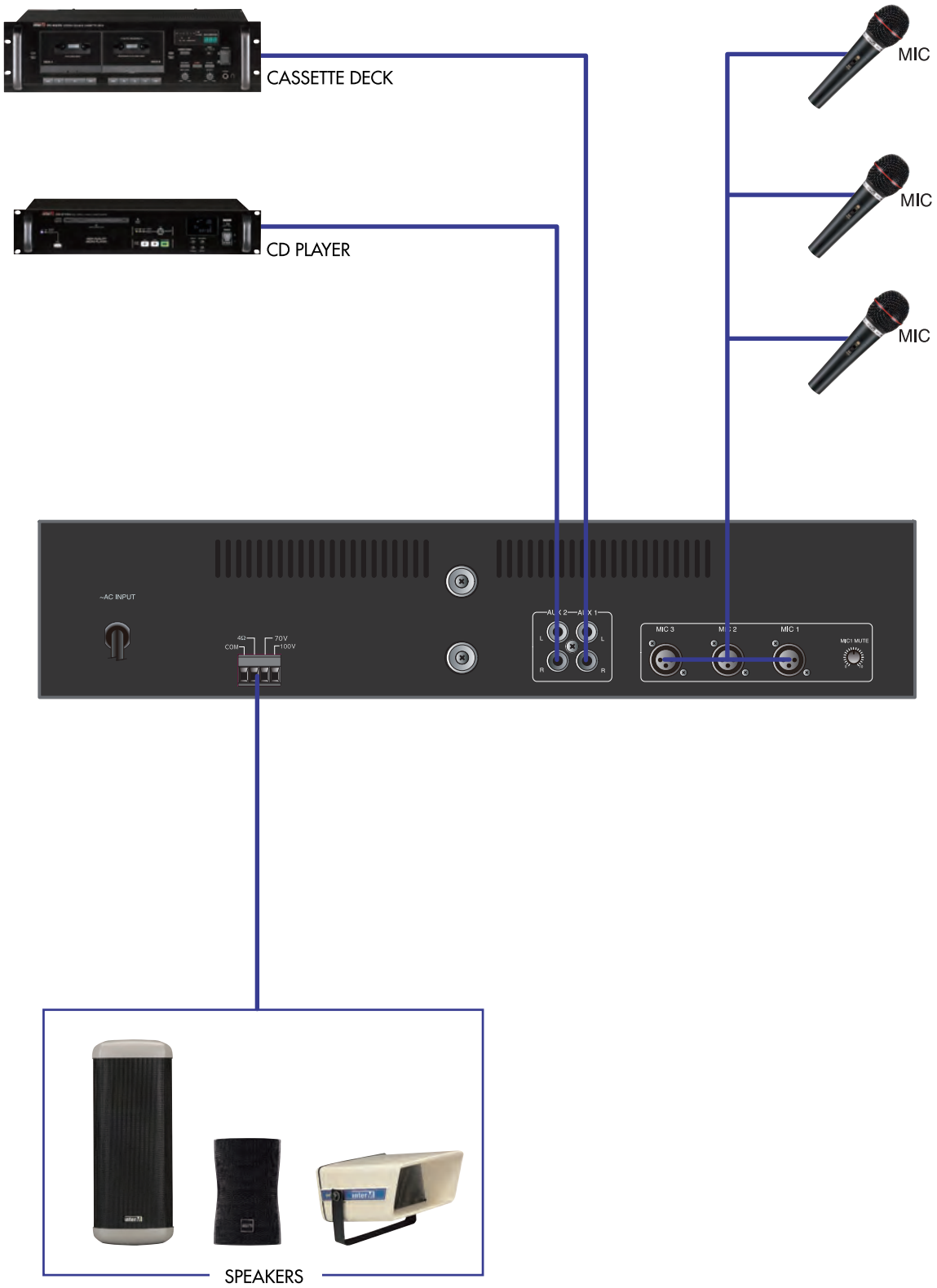
Features

- Rated Output Power : 30W
- Adopting highly efficient digital amplifier / SMPS power supply circuit
- Adjusting the level of each inputCHannel with the volume control of INPUT 1 ~ 3
- Various input terminals (3P EURO, Phone jack, RCA cable etc.)
- PRIORITY (Priority Broadcasting) function to control signals of otherCHannels
- Adjusting the tone to suit user's taste with tone controller (treble/bass) depending on frequency
- Compact design with half rack size
- Power Source: AC 100V-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption(1/8) : 10.5W
- Weight : 1.5kg / 3.3lb
- Dimensions (W×H×D) : 210 x 44 x 180mm / 8.3 x 1.7 x 7in

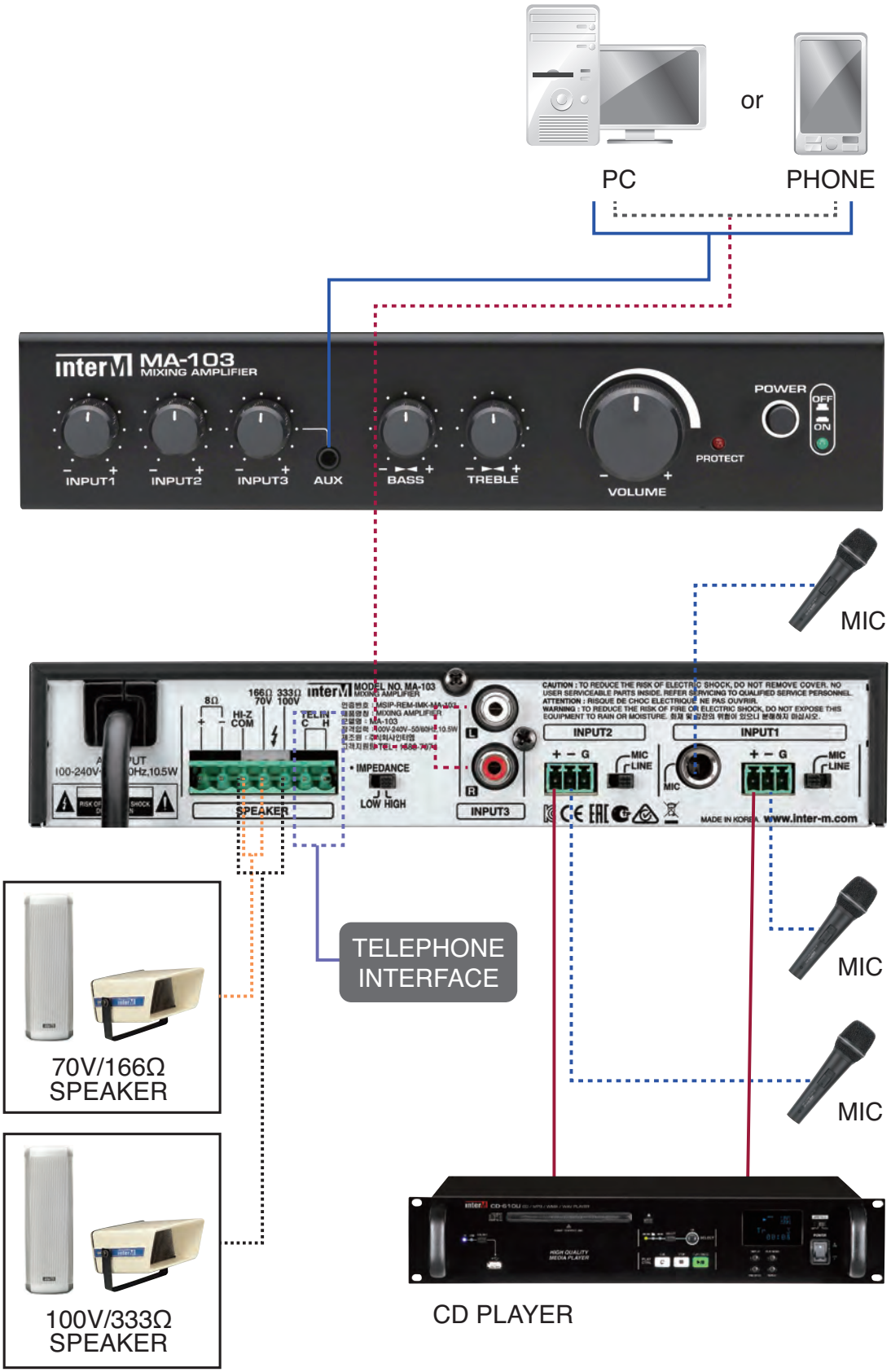
Rear view



CONNECTION A-60/120



CONNECTION MA-103



Public Address Amplifier

MA-106

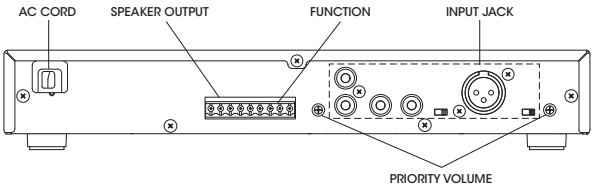


AC | Low High | 60 Watt | Class-D | 2 Band | Priority

Features

- Rated Output Power : 60W(RMS) @<1% THD
- 3 Inputs
- 1 Mic Input on Front Panel overrides the back panel Input
- Telephone Input
- Priority Muting (Input 1 - Telephone Input Priority)
- External Mute
- Pheonix Screw Terminals For Loudspeaker Connection
- Separate Bass and Treble controls
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 24W
- Weight : 3kg / 6.6lb
- Dimensions (W×H×D) : 300 × 44 × 230mm / 11.8 × 1.7 × 9.1in

Rear view



Public Address Amplifier

MA-110

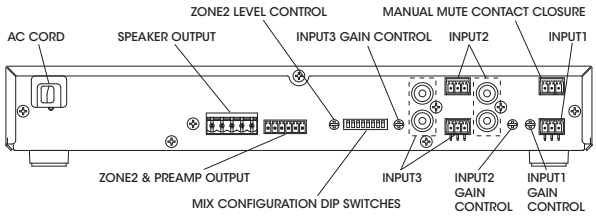


AC | Low High | 100 Watt | Class-D | 2 Band | Priority

Features

- Rated Output Power : 100W(RMS) @<1% THD
- 1U Size Compact Design
- Adoption of digital Amp Circuit
  Adopting rated output 100W High Efficiency CLASS-D Circuit with high reliability, light weight and low heat.
- SMPS Power supplying Circuit
- Tone Controls (Bass / Treble)
- Highly demanded features
  Phantom microphone power, TEL IN, External Mute, etc.
- INPUT Connector : EURO, RCA (MA-110N), XLR, RCA
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : 3.05kg / 6.71lb
- Dimensions (W×H×D) : 300 × 44 × 230mm / 11.8 × 1.7 × 9in

Rear view



Public Address Amplifier

MA-106A

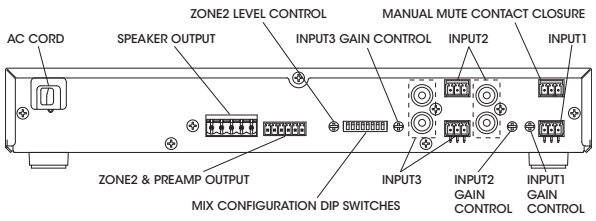


AC | Low High | 60 Watt | Class-D | 2 Band | Priority

Features

- Rated Output Power : 60W(RMS) @<1% THD
- High fidelity mic mixing amplifier
- Monitor Speaker Output Power : 1W
- 3.5mm euroblock connector inputCH 1 ~3
- Input signal display with LED
- 2Band tone control (Bass / Treble)
- Priority function
- MIX configuration DIP switches
- Auto standby mode (No signal for 25min)
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : 3.1kg / 6.81lb
- Dimensions (W×H×D) : 300 × 44 × 230mm / 11.8 × 1.7 × 9in

Rear view



Public Address Amplifier

MA-206U/212U/224U

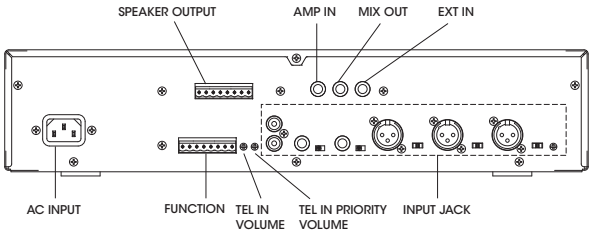


AC | USB | Low High | 5 Zone | 60 Watt | 120 Watt | 240 Watt | Class-D | 5 Band

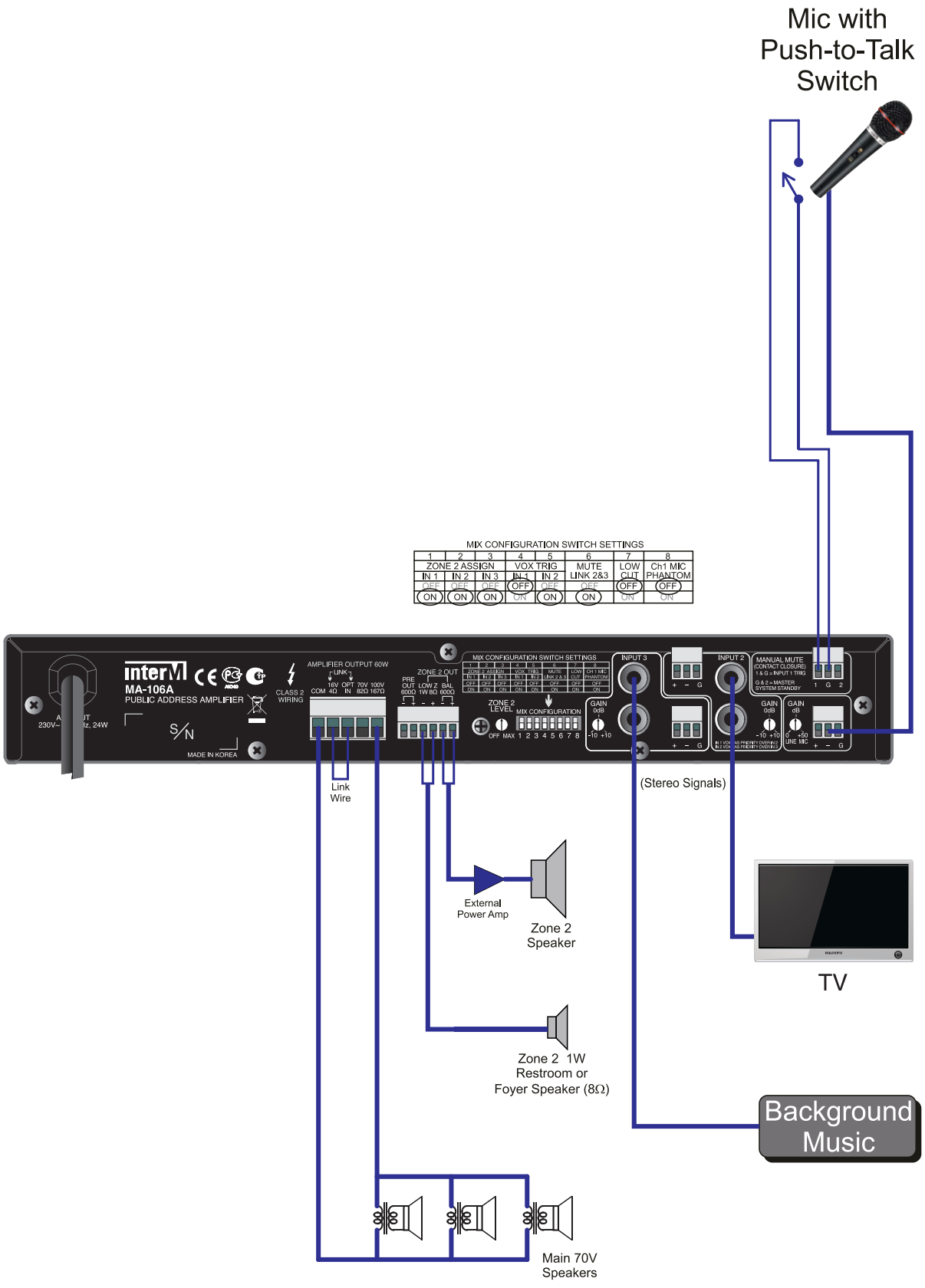
Features

- Rated Output Power :
  MA-206U - 60W(RMS)@<0.5% THD
  MA-212U - 120W(RMS)@<0.5% THD
  MA-224U - 240W(RMS)@<0.5% THD
- Built-In USB Media Player (MP3/WAV/WMA)
- 6 Inputs (3 XLR MIC/Line, 2 1/4" TRS MIC/Line and 1 Stereo RCA)
- Built-InCHime and Siren
- 5-Band Graphic EQ
- Telephone Input
- External Mute,CHime and VCA
- Priority Muting
  (Input 1 - Input 2 - Telephone Input -CHime - Siren Priority)
- 5 Speaker Zones with On/Off switch
- Pheonix Screw Terminals For Loudspeaker Connection
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption
  MA-206 : 38W, MA-212 : 50W, MA-224 : 75W
- Weight : MA-206U : 5.4kg / 11.9lb, MA-212 : 6.7kg / 14.8lb,
  MA-224 : 8kg / 17.6lb
- Dimensions (W×H×D) : 420 × 88 × 328mm / 16.5 × 3.5 × 12.9in

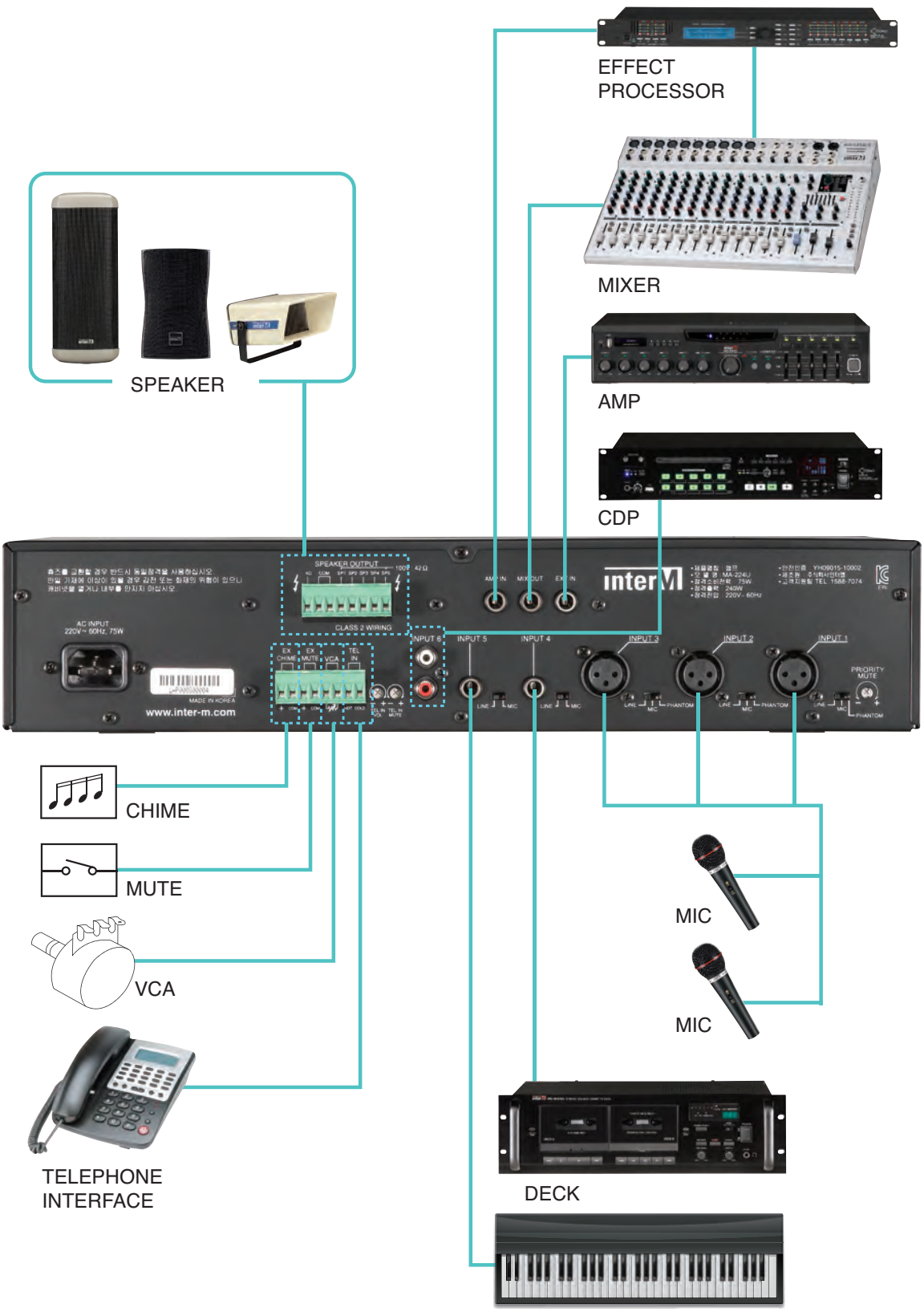
Rear view



CONNECTION MA-106A



CONNECTION MA-206U/212U/224U



Network Streaming Audio Mixing Amplifier

PMU-120N/240N

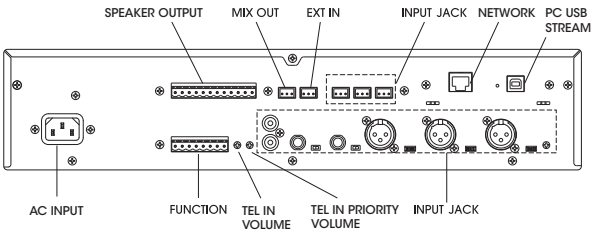


AC · USB · Radio · Low High · 5 Zone · 120 Watt · 240 Watt · Class-D · 2 Band · PC Control · Priority · WEB

Features

- Rated Output Power :
  PMU-120N - 120W(RMS) @<0.5% THD
  PMU-240N - 240W(RMS) @<0.5% THD
- 6 Inputs
- Built in MP3 / WMA / WAV player
- Built in USB PC sound card via rear panel USB Connector
- Built-InCHime and Siren
- 5 individually selectable speaker zones
- Telephone Input
- ExternalCHime
- Large 2.8" Color LCD Display displays operation status as well as song and output Level
- SMPS - Switch Mode power supply technology
- Network, LAN, WAN and internet TCP/IP or RTSP
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption :
  PMU-120N : 50W / PMU-240N : 75W
- Weight : PMU-120N : 6.7kg / 14.8lb, PMU-240N : 8kg / 17.6lb
- Dimensions (W×H×D) : 420 × 88 × 319mm / 16.5 × 3.5 × 12.6in

Rear view



Network Streaming Audio Mixing Amplifier

PMU-360N/480N/600N

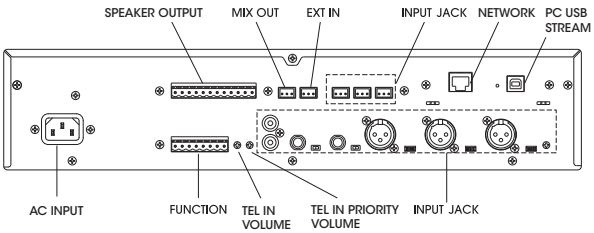


AC · USB · Radio · Low High · 5 Zone · 360 Watt · 480 Watt · 600 Watt · Class-D · 2 Band · PC Control · Priority · WEB

Features

- Rated Output Power :
  PMU-360N - 360W(RMS) @<0.5% THD
  PMU-480N - 480W(RMS) @<0.5% THD
  PMU-600N - 600W(RMS) @<0.5% THD
- 6 Inputs
- Built in MP3 / WMA / WAV player
- Built in USB PC sound card via rear panel USB Connector
- Built-InCHime and Siren
- 5 individually selectable speaker zones
- Telephone Input
- ExternalCHime
- Large 2.8" Color LCD Display displays operation status as well as song and output Level
- SMPS - Switch Mode power supply technology
- Network, LAN, WAN and internet TCP/IP or RTSP
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption :
  PMU-360N : 80W / PMU-480N : 100W / PMU-600N : 160W
- Weight : 5.2kg / 11.5lb
- Dimensions (W×H×D) : 420 × 88 × 319mm / 16.5 × 3.5 × 12.6in

Rear view



Compact Half-Rack Size Power Amp

DSA-100DV

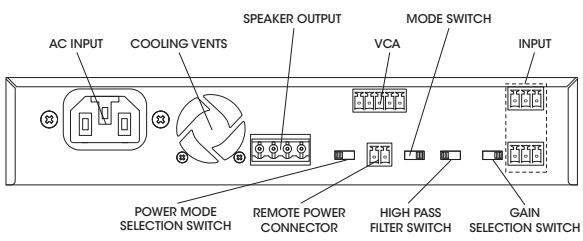


AC | Mode Bridge | 100 Watt

Features

- Rated Output Power : 2 x 100W
- Compact Half Rack Digital Amplifier
- HPF (High Pass filter)
- Euro Block type input and output terminals simplifies quick and easy of installation
- Input Sensitivity adjustement
- Remote Power On
- Bridge Mode
- Frequency Response : 20Hz - 20kHz(-3dB)
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 45W
- Weight : 2.5kg / 5.5lb
- Dimensions (W×H×D) : 210 x 44 x 280mm / 8.3 x 1.73 x 11in

Rear view



Output Transformer Unit

OPT-100D

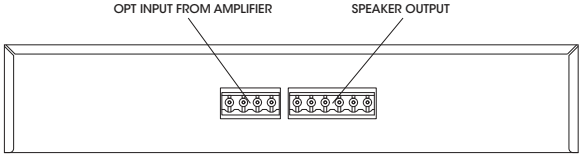


AC | Mode Bridge

Features

- OPT-100D is output transformer to convert 100W DSA-100D (Half-Rack Compact Size, twoCHannels, Digital Amp) to 70/100V output
- Compact size design
  It is implemented 100W 2CHannel at Slim Compact Size (1RU, HALF RACK SIZE, Depth 280mm) and it can be easily installed at tiny space along with light weight
- High quality output transformer
  Providing clear and dedicate sound as using high quality of OPT
- Weight : 4.2kg / 9.3lb
- Dimensions (W×H×D) : 210 x 44 x 280mm / 8.3 x 1.73 x 11in

Rear view



Public Address Amplifier

PAM-312/324/336/348

NEW

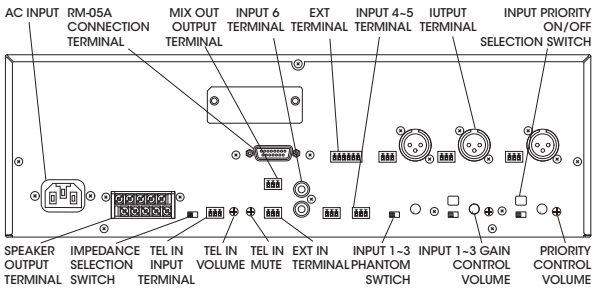


AC | 70V 100V | 5 Zone | 120 Watt | 240 Watt | 360 Watt | 480 Watt | Class-D | Priority

Features

- Various rated output lineup : PAM-312 - 120W, PAM-324 - 240W, PAM-336 - 360W, PAM-348 - 480W
- Class-D amplification circuitry with SMPS power supply
- It supports various input types including 3 mic/lines, 3 lines, a stereo input, and a tel in
- Two bays for dedicated PAM modules : PAM-FMT, PAM-CDU, PAM-SDU, PAM-BTU
- Tone control (Bass/Treble)
- 5 Zone speaker selectors
- Prioritized broadcasting : EM > TEL IN > INPUT 1/RM-05A, INPUT 2, CHIME > INPUT 3/4/5/6, EXT IN, PAM Module
- Selectable priority between INPUT 1 and 2
- Phantom power for MIC inputs
- RM-05A remote microphone station (Sold separately)
- Chime, EXT-IN, MIX-OUT
- Power source : AC 120V, 60Hz, AC 220-240V, 50/60Hz
- Power consumption (1/8W output) :
  PAM-312 : 50W, PAM-324 : 85W,
  PAM-336 : 97W, PAM-348 : 115W
- Weight : PAM-312 : 7.26kg / 16lb, PAM-324 : 6.88kg / 15.16lb, PAM-336 : 6.93kg / 15.27lb, PAM-348 : 7.16kg / 15.78lb
- Dimensions (W×H×D) : 420 x 132 x 358mm / 16.5 x 5.2 x 14in

Rear view



CD, MP3, Tuner Module

PAM-MPM4A

NEW



USB | CD | Tuner | SD

Features

- PAM series module
- Slide-in installation (Only with PAM-312/324/336/348)
- The PAM-510/520/340A/480A systems are not sliding mounting types. Open the top cover for this model and connect it with the inner connector
- It cannot be used in No.1 bay of PAM-120A.
- CD / USB / DRP (Digital Record and Playback : SD Memory)
- CD+USB, DRP (SD Memory) Potable FM TUNER
- CD Long-Life function
- CD COPY function (CD → USB or DRP)
- USB hosting function (USB ↔ DRP)
- FM 40 Memories
- Power Source : DC 17V, DC 24V
- Weight : 0.95kg / 2.1lb
- Dimensions (W×H×D) : 184 × 55 × 182mm / 7.2 × 2.2 × 7.2in

Tuner Module

PAM-FMT

NEW



DC Tuner

Features

- Dedicated input module for PAM series amplifiers
- Slide-in installation (Only with PAM-312/324/336/348)
- The PAM-510/520/340A/480A systems are not sliding mounting types. Open the top cover for this model and connect it with the inner connector
- It cannot be used in No.1 bay of PAM-120A.
- FM radio tuner
- OLED display
- Frequency band : 87.5~108.0MHz
- Auto scan with 5 presets
- Dedicated volume control, Mute
- Operating power : DC 24V (from PAM series amplifier)
- Weight : 0.49kg / 1.07lb
- Dimensions (W×H×D) : 184 x 55 x 182mm, 7.2 x 2.2 x 7.2in

CD/USB Module

PAM-CDU

NEW



DC CD USB

Features

- Dedicated input module for PAM series amplifiers
- Slide-in installation (Only with PAM-312/324/336/348)
- The PAM-510/520/340A/480A systems are not sliding mounting types. Open the top cover for this model and connect it with the inner connector
- It cannot be used in No.1 bay of PAM-120A.
- Compact Disc and USB player
- OLED display
- Supported codecs for USB : MP3, WMA
- Dedicated volume control
- Operating power : DC 24V (from PAM series amplifier)
- Weight : 0.88kg / 1.94lb
- Dimensions (W×H×D) : 184 x 55 x 182mm, 7.2 x 2.2 x 7.2in

SD/USB Module

PAM-SDU

NEW



DC SD USB

Features

- Dedicated input module for PAM series amplifiers
- Slide-in installation (Only with PAM-312/324/336/348)
- The PAM-510/520/340A/480A systems are not sliding mounting types. Open the top cover for this model and connect it with the inner connector
- It cannot be used in No.1 bay of PAM-120A.
- SD card and USB player
- SD card slot cover to prevent unintended ejection
- OLED display
- Supported codecs; MP3, WMA
- Dedicated volume control
- Operating power; DC 24V (from PAM series amplifier)
- Weight : 0.47kg / 1.03lb
- Dimensions (W×H×D) : 184 x 55 x 182mm, 7.2 x 2.2 x 7.2in

Bluetooth/USB Module

PAM-BTU

NEW



DC USB

Features

- Dedicated input module for PAM series amplifiers
- Slide-in installation (Only with PAM-312/324/336/348)
- The PAM-510/520/340A/480A systems are not sliding mounting types. Open the top cover for this model and connect it with the inner connector
- It cannot be used in No.1 bay of PAM-120A.
- Bluetooth wireless audio and USB player
- OLED display
- Supported codecs for USB; MP3, WMA
- AVRCP supported to control the Bluetooth audio remotely
- Dedicated volume control
- Operating power; DC 24V (from PAM series amplifier)
- Dimensions (W×H×D) : 184 x 55 x 182mm, 7.2 x 2.2 x 7.2in

Public Address Amplifier

PU-103/106/112

NEW

RoHS COMPLIANT

CE

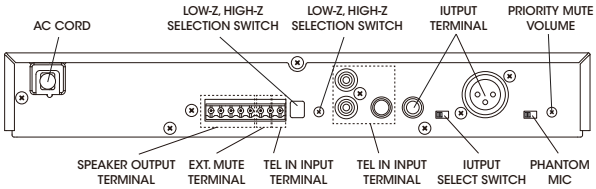


AC | USB | Low High | 30 Watt | 60 Watt | 120 Watt | Priority

Features

- 100V/70V Line, Low-Z Output Support
- Compact Design
- Easy Audio Input via USB
- Various Input of 3 Channels and TEL IN : MIC, Line, RCA, 3.5Φ PHONE JACK
- Automatic Sleep Function
- Priority Broadcasting for Emergency and User Convenience
- Adjustable Tone according to Usage Environment(BASS/TREBLE)
- Phantom Power
- SMPS Power Circuit
- 3 Channels Input
- Set Output Priority
- Remote Power Control
- Power Source: AC 120-240V, 50/60Hz
- Power Consumption : PU-103 : 20W, PU-106/112 : 5W
- Weight : PU-103 : 2.82kg / 6.2lb, PU-106/112 : 3.18kg / 7lb,
- Dimensions (W×H×D) : 300 x 44 x 230mm / 11.8 x 1.7 x 9.1in

Rear view



Mixing Amplifier

PA-206/212/224

NEW

RoHS COMPLIANT

CE

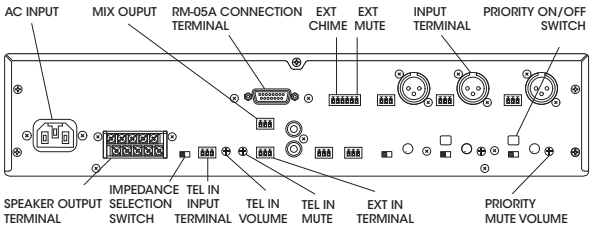


AC | USB | Low High | 60 Watt | 120 Watt | 240 Watt | Priority

Features

- Rated Output: PA-206 - 60W, PA-212 - 120W, PA-224 - 240W
- 100V/70V Line, Low-Z Output Support
- Easy Audio Input via USB
- Local Selection Broadcast with 5 Speaker Select Switches
- Remote MIC Broadcasting via RM-05A
- Various Input of 6 channels and TEL IN: MIC, Line, RCA, 3.5Φ PHONE JACK
- Priority Broadcasting for Emergency and User Convenience (TEL IN > RM, INPUT 1~2 > INPUT 3~6)
- Adjustable Tone according to Usage Environment(BASS/TREBLE)
- Chime, Siren, EXT IN and MIX OUT
- Phantom Power
- Power Source: AC 220-240V, 50/60Hz
- Power Consumption : PA-206 : 40W, PA-212 : 60W, PA-224 : 90W
- Weight : PA-206 : 6.25kg, PA-212 : 7.32kg, PA-224 : 9.75kg
- Dimensions (W×H×D) : 420 x 88 x 318.7mm / 16.5 x 3.5 x 12.5in

Rear view



Mixing Amplifier

PM-236/248/260

NEW

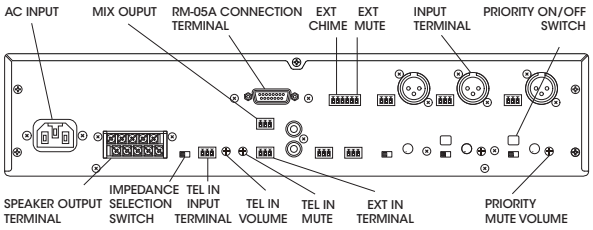


AC · USB · Low High · 360 Watt · 480 Watt · 600 Watt · Priority

Features

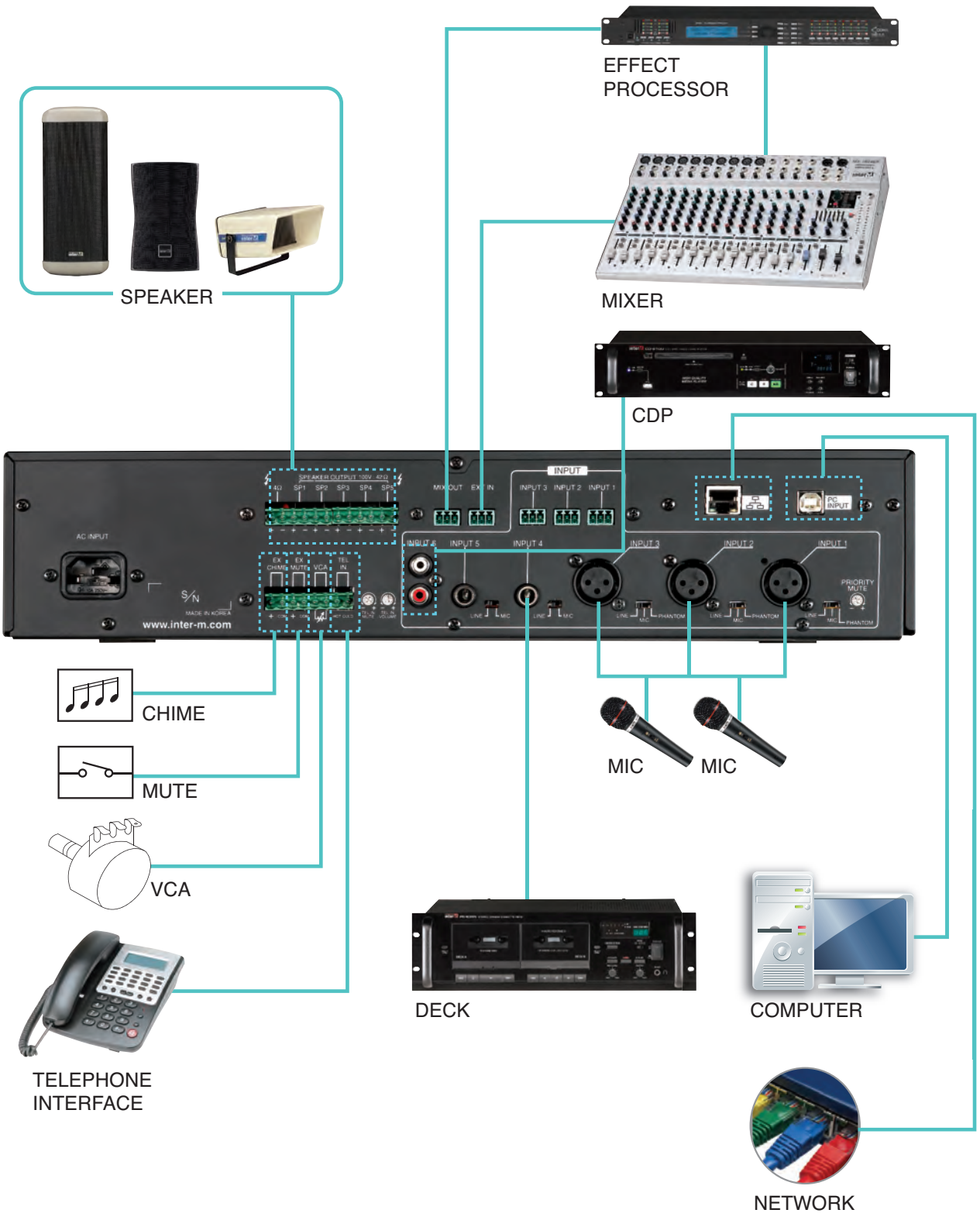
- Rated Output: PM-236 - 360W, PM-248 - 480W, PM-260 - 600W
- 100V/70V Line, Low-Z Output Support
- Easy Audio Input via USB
- Local Selection Broadcast with 5 Speaker Select Switches
- Remote MIC Broadcasting via RM-05A
- Various Input of 6 channels and TEL IN: MIC, Line, RCA, 3.5Φ PHONE JACK
- Priority Broadcasting for Emergency and User Convenience (TEL IN > RM, INPUT 1~2 > INPUT 3~6)
- Adjustable Tone according to Usage Environment(BASS/TREBLE)
- Chime, Siren, EXT IN and MIX OUT
- Phantom Power
- Power Source: PM-236 : AC 220-240V, 50/60Hz, PM-248/260 : AC 120-240V, 50/60Hz
- Power Consumption : PA-236 : 115W, PA-248 : 125W, PA-260 : 145W
- Weight : PA-236 : 5.10kg / 11.2lb, PA-248/260 : 5.27kg / 11.6lb
- Dimensions (W×H×D) : 420 x 88 x 318.7mm / 16.5 x 3.5 x 12.5in

Rear view

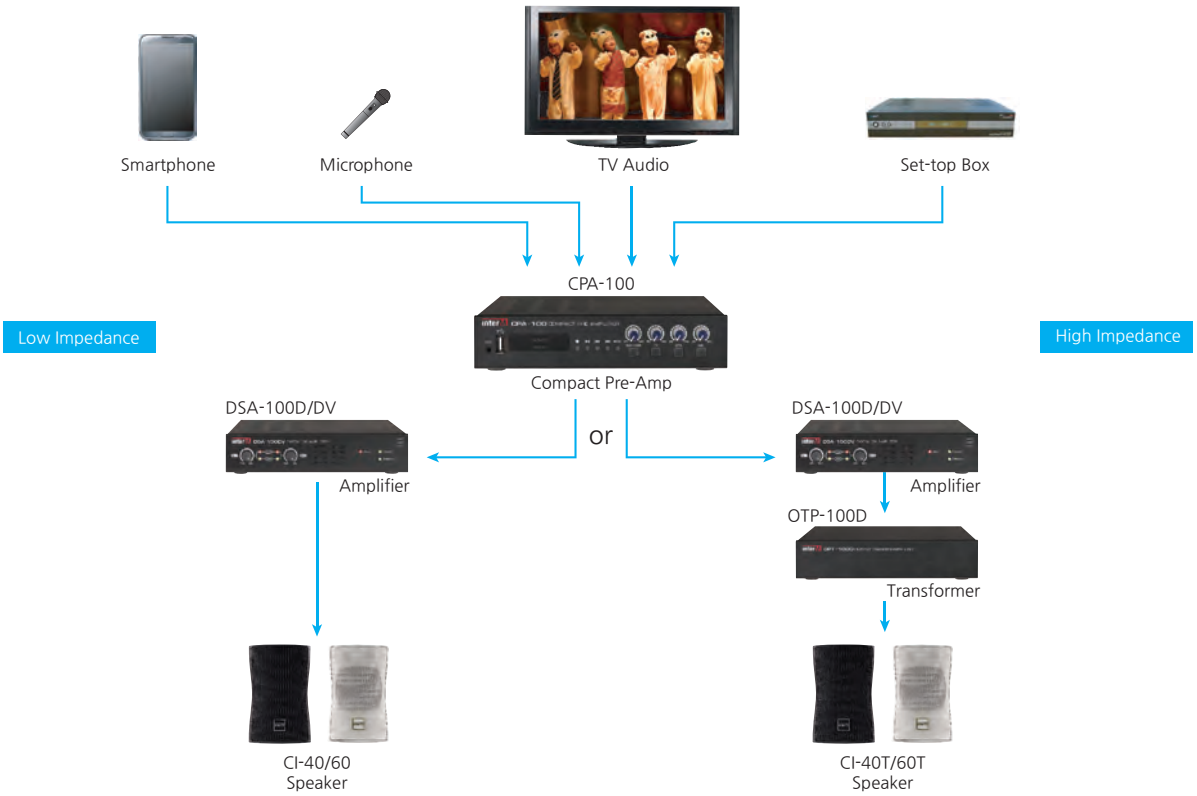


NOTE

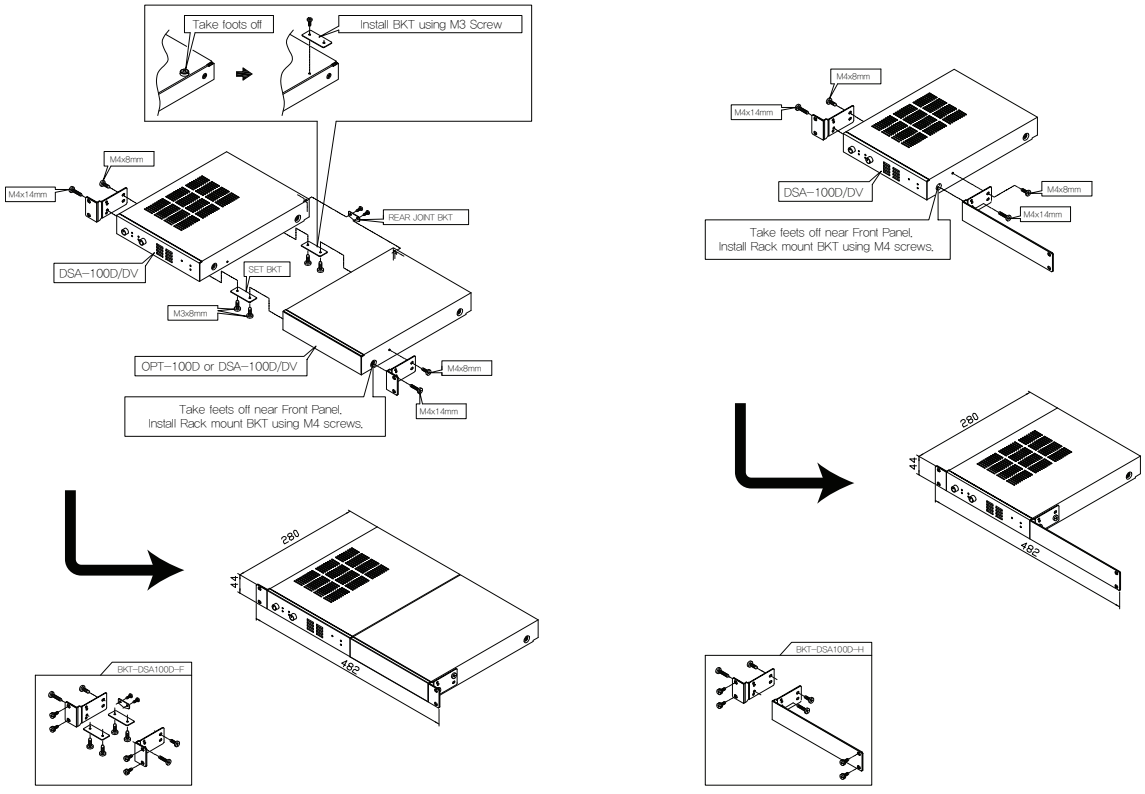
CONNECTION PMU-120N/240N/360N/480N/600N



APPLICATIONS DSA-100DV, CPA-100



HOW TO INSTALL THE RACK



AMPLIFIER

Rack Type Amplifier

Digital Power Amplifier

DPS-240S/360S/480S/720S

NEW

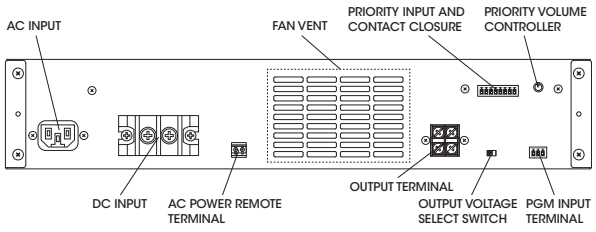


AC DC | High | 240 Watt | 360 Watt | 480 Watt | 720 Watt | Class-D | Priority

Features

- 2U Size High Power Amplifier
- AC & DC Dual Power Operation
- Rated Output Power: 240W(DPS-240S), 360W(DPS-360S), 480W(DPS-480S), 720W(DPS-720S)
- Wide Range of Selection
  1CH(S): 240W/360W/480W/720W(4 type)
- High Efficiency and Low Weight due to SMPS Application
- High S/N and Low THD
- Full Power on DC Power
- Power Control via Contact Closure
- Attached AC, STBY, DC, Power, SIG, 10dB, Clip, PRT LED Indicator
- Eliminate Common Noise of Line by Adapting Balanced Input
- Built-in Amplifier Overheat, Output Short, Overload, Power Failure and DC Output Protection Circuit
- Power Source and Power Consumption: AC 220-240V, 50/60Hz, DC 24V, DPS-240S/360S/480S: 130W, DPS-720S: 250W
- Dimension and Weight
  DPS-240S/360S/480S: 482(W) x 88(H) x 371(D)mm, 6.9Kg
  DPS-720S: 482(W) x 88(H) x 424(D)mm, 7.9Kg

Rear view



Digital Power Amplifier

DPS-240D/360D/480D

NEW

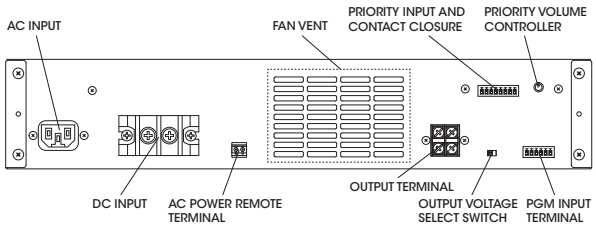


AC DC | High | 240 Watt | 360 Watt | 480 Watt | Class-D | Priority

Features

- 2U Size High Power Amplifier
- AC & DC Dual Power Operation
- Rated Output Power: 240W x 2(DPS-240D), 360W x 2(DPS-360D) 480W x 2(DPS-480D)
- Wide Range of Selection
  2 Channel(D): 240W/360W/480W(3 type)
- High Efficiency and Low Weight due to SMPS Application
- High S/N and Low THD
- Full Power on DC Power
- Power Control via Contact Closure
- Attached AC, STBY, DC, Power, SIG, 10dB, Clip, PRT LED Indicator
- Eliminate Common Noise of Line by Adapting Balanced Input
- Built-in Amplifier Overheat, Output Short, Overload, Power Failure and DC Output Protection Circuit
- Power Source and Power Consumption: AC 220-240V, 50/60Hz, DC 24V, DPS-240D: 130W, DPS-360D/480D: 250W
- Dimension and Weight
  DPS-240D: 482(W) x 88(H) x 371(D)mm, 7.4Kg
  DPS-360D: 482(W) x 88(H) x 424(D)mm, 8.25Kg
  DPS-480D: 482(W) x 88(H) x 424(D)mm, 8.23K

Rear view



Digital Power Amplifier

DPA-300S/600S/900S/1200S

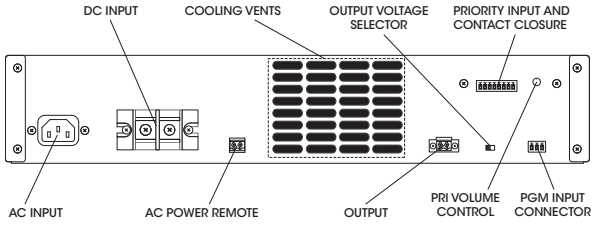


AC DC | High | 300 Watt | 600 Watt | 900 Watt | 1200 Watt | Class-D | Priority

Features

- 2U Size High Power Class-D Power Amp
- Rated Output Power :
  DPA-300S - 300W, DPA-600S - 600W
  DPA-900S -900W, DPA-1200S - 1200W
- Wide Range of Selection
  1CH (S) : 1200W/900W/600W/300W (4 Type)
- Power On/Off Control with control input
- AC & DC Dual Power Operation
- It is easy to monitoring a status of amplifier with LED display
  (PROTECT,CLIP,-10dB,SIG,AC,DC,STBY)
- Priority Program Override
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption :
  DPA-300S/600S : 130W / DPA-900S/1200S : 250W
- Weight : DPA-300S : 6.5kg/14.3lb, DPA-600S : 6.6kg/14.6lb,
  DPA-900S : 7.7kg/17lb, DPA-1200S : 7.7kg/17lb
- Dimensions (W×H×D) :
  DPA-300S/600S : 482 × 88 × 397mm / 19 × 3.5 × 15.6in
  DPA-900S/1200S : 482 × 88 × 450mm / 19 × 3.5 × 17.7in

Rear view



Digital Power Amplifier

DPA-300D/600D

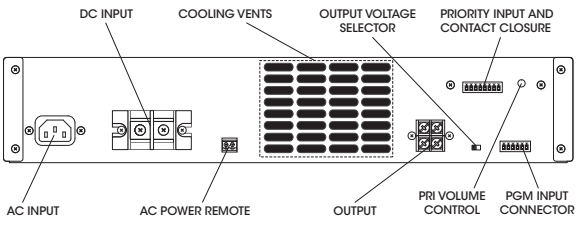


AC DC | High | 300 Watt | 600 Watt | Class-D | Priority

Features

- 2U Size High Power Class-D Power Amp
- Rated Output Power :
  DPA-300D - 300W*2, DPA-600D - 600W*2
- Wide Range of Selection
  2CH (D): 600W+600W / 300W+300W (2 Type)
  3CH (T): 300W+300W+300W (1 Type)
- Power On/Off Control with control input
- AC & DC Dual Power Operation
- It is easy to monitoring a status of amplifier with LED display
  (PROTECT,CLIP,-10dB,SIG,AC,DC,STBY)
- Priority Program Override
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption :
  DPA-300D : 130W / DPA-600D : 250W
- Weight : DPA-300D : 8.1kg/17.9lb, DPA-600D : 7.1kg/15.7lb
- Dimensions (W×H×D) :
  DPA-300D : 482 × 88 × 397mm / 19 × 3.5 × 15.6in
  DPA-600D : 482 × 88 × 450mm / 19 × 3.5 × 17.7in

Rear view



Digital Power Amplifier

DPA-300T/300Q

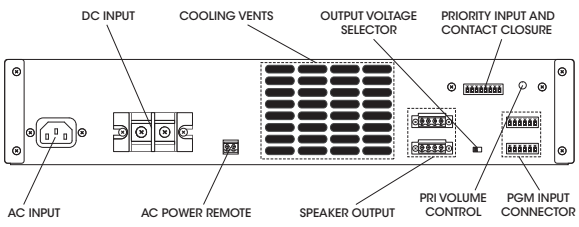


AC DC | High | 300 Watt | Class-D | Priority

Features

- 2U Size High Power Class-D Power Amp
- Rated Output Power :
  DPA-300T - 300W*3, DPA-300Q - 300W*4
- Wide Range of Selection
  3CH (T): 300W+300W+300W (1 Type)
  4CH (Q): 300W+300W+300W+300W (1 Type)
- Power On/Off Control with control input
- AC & DC Dual Power Operation
- It is easy to monitoring a status of amplifier with LED display
  (PROTECT,CLIP,-10dB,SIG,AC,DC,STBY)
- Priority Program Override
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 250W
- Weight : DPA-300T : 8.2kg/18.1lb, DPA-300Q : 8.4kg/18.5lb
- Dimensions (W×H×D) : 482 × 88 × 450mm / 19 × 3.5 × 17.7in

Rear view



Digital Power Amplifier

DPA-300SO/600SO/900SO/1200SO

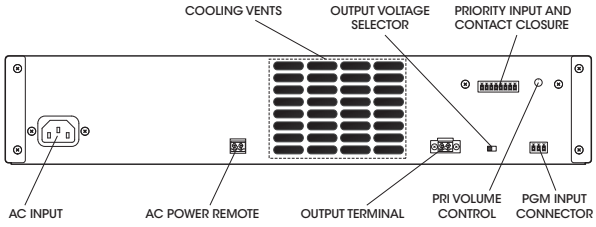


AC | High | 300 Watt | 600 Watt | 900 Watt | 1200 Watt | Class-D | Priority

Features

- 2U Size High Power Class-D Power Amp
- Rated Output Power :
  DPA-300SO - 300W, DPA-600SO - 600W
  DPA-900SO -900W, DPA-1200SO - 1200W
- Wide Range of Selection
  1CH (S) : 1200W/900W/600W/300W (4 Type)
- Power On/Off Control with control input
- AC & DC Dual Power Operation
- It is easy to monitoring a status of amplifier with LED display
  (PROTECT,CLIP,-10dB,SIG,AC,DC,STBY)
- Priority Program Override
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption :
  DPA-300SO/600SO : 130W / DPA-900SO/1200SO : 250W
- Weight : DPA-300SO : 6.1kg/13.5lb, DPA-600SO : 6.1kg/13.5lb,
  DPA-900SO : 6.3kg/13.7lb, DPA-1200SO : 6.3kg/13.7lb
- Dimensions (W×H×D) : 482 × 88 × 397mm / 19 × 3.5 × 15.6in

Rear view



Digital Power Amplifier

DPA-300DO/600DO/300TO/300QO

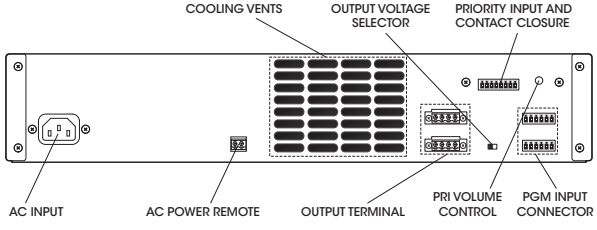


AC | High | 300 Watt | 600 Watt | Class-D | Priority

Features

- 2U Size High Power Class-D Power Amp
- Rated Output Power
  300W*2(DPA-300DO), 600W*2(DPA-600DO)
  300W*3(DPA-300TO), 300W*4(DPA-300QO),
- Wide Range of Selection
  1CH (S) : 1200W/900W/600W/300W (4 Type)
  2CH (D): 600W+600W / 300W+300W (2 Type)
  3CH (T): 300W+300W+300W (1 Type)
  4CH (Q): 300W+300W+300W+300W (1 Type)
- Power On/Off Control with control input
- AC & DC Dual Power Operation
- It is easy to monitoring a status of amplifier with LED display
  (PROTECT,CLIP,-10dB,SIG,AC,DC,STBY)
- Priority Program Override
- Power Source : AC 100-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Weight : DPA-300DO : 6.7kg/14.8lb, DPA-600DO : 6.7kg/14.8lb
  DPA-300TO : 6.8kg/15lb, DPA-300QO : 7kg/15.5lb
- Dimensions (W×H×D) : 482 x 88 x 397mm / 19 x 3.5 x 15.6in

Rear view



NOTE

APPLICATIONS DPA-S SERIES

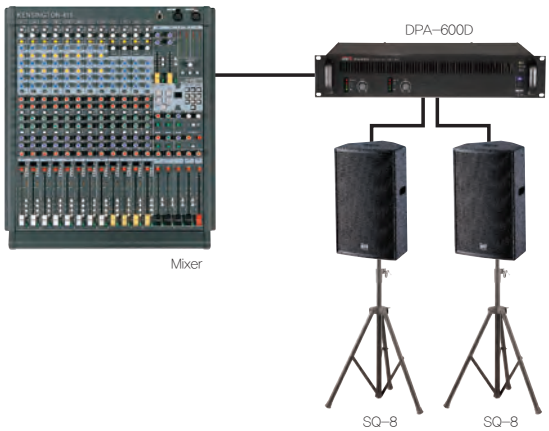








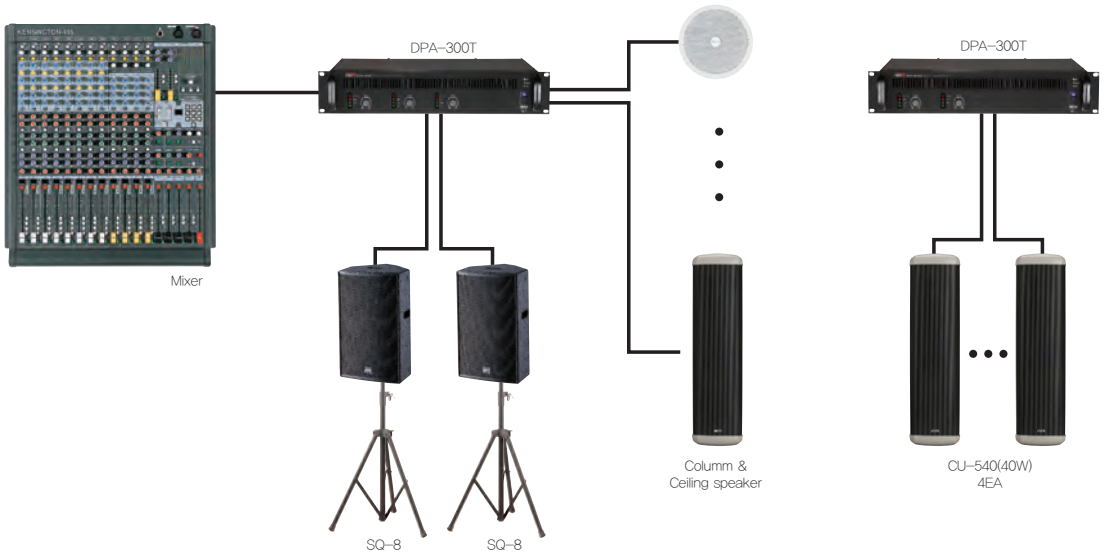
APPLICATIONS DPA-D SERIES



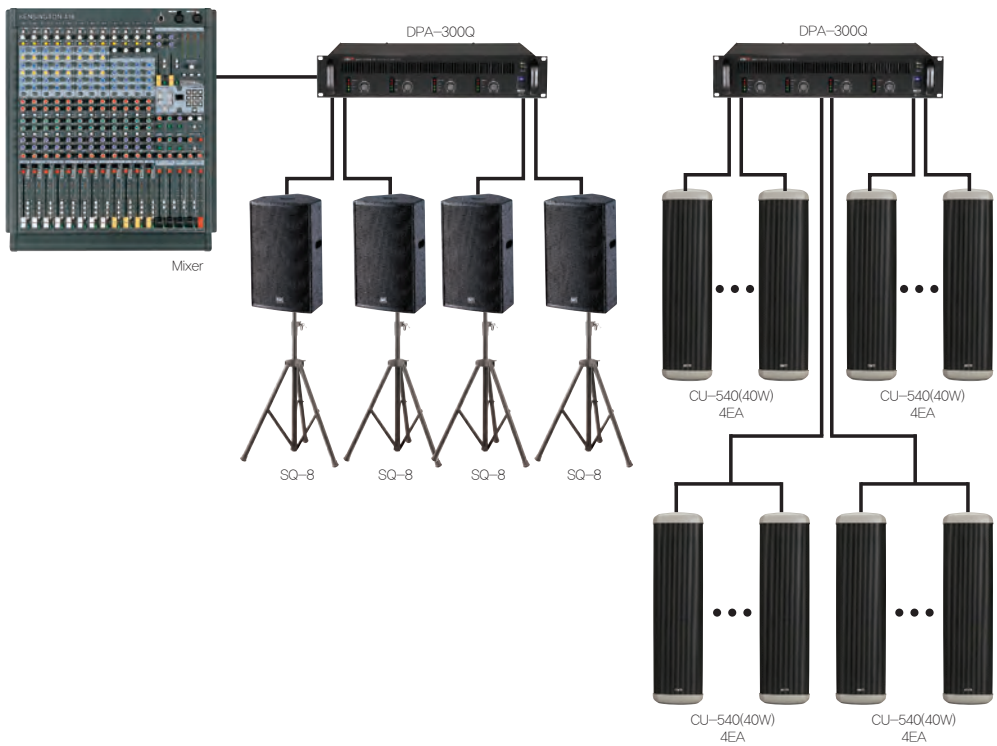




APPLICATIONS DPA-T SERIES



APPLICATIONS DPA-Q SERIES



8CH Digital Power Amplifier

DPA-50E

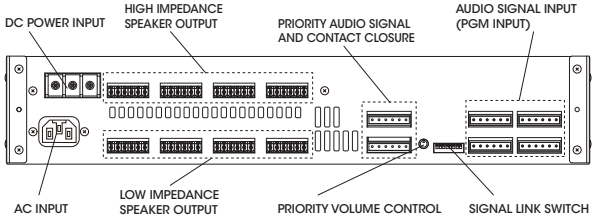


AC DC | Low High | 50 Watt | 60W 4Ω | 30W 8Ω | Class-D | Priority

Features

- 2U Size D-Class Amplifier with 8CHannels
- Rated Output Power: 60W x 8(4Ω), 50W x 8(100V, 70V)
- 8CH input / output dispersion control
- High efficiency, low weight SMPS circuit
- Using PA / SR speakers for eachCHannel with both LOW-Z (4Ω) and HIGH-Z (100V / 70V) (optional)
- LinkingCH1 and the desiredCHannel input with Signal Link function
- Priority broadcasting (Priority function)
- AC & DC dual power operation
- Built-in protection circuit (over-current, over-temperature, output short, etc.)
- Power Source: AC 220-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption: 110W
- Weight: 11.3kg / 2.49lb
- Dimensions (W×H×D) : 482 × 88 × 420mm / 19 x 3.5 x 16.5in

Rear view



4CH Digital Power Amplifier

DPA-150Q

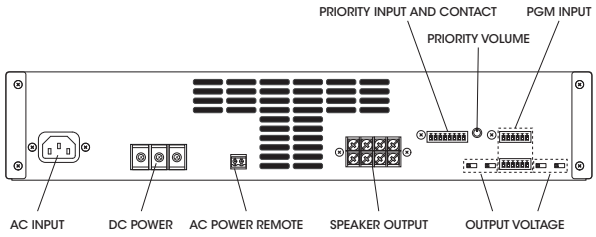


AC DC | Low High | 150 Watt | Class-D | Priority

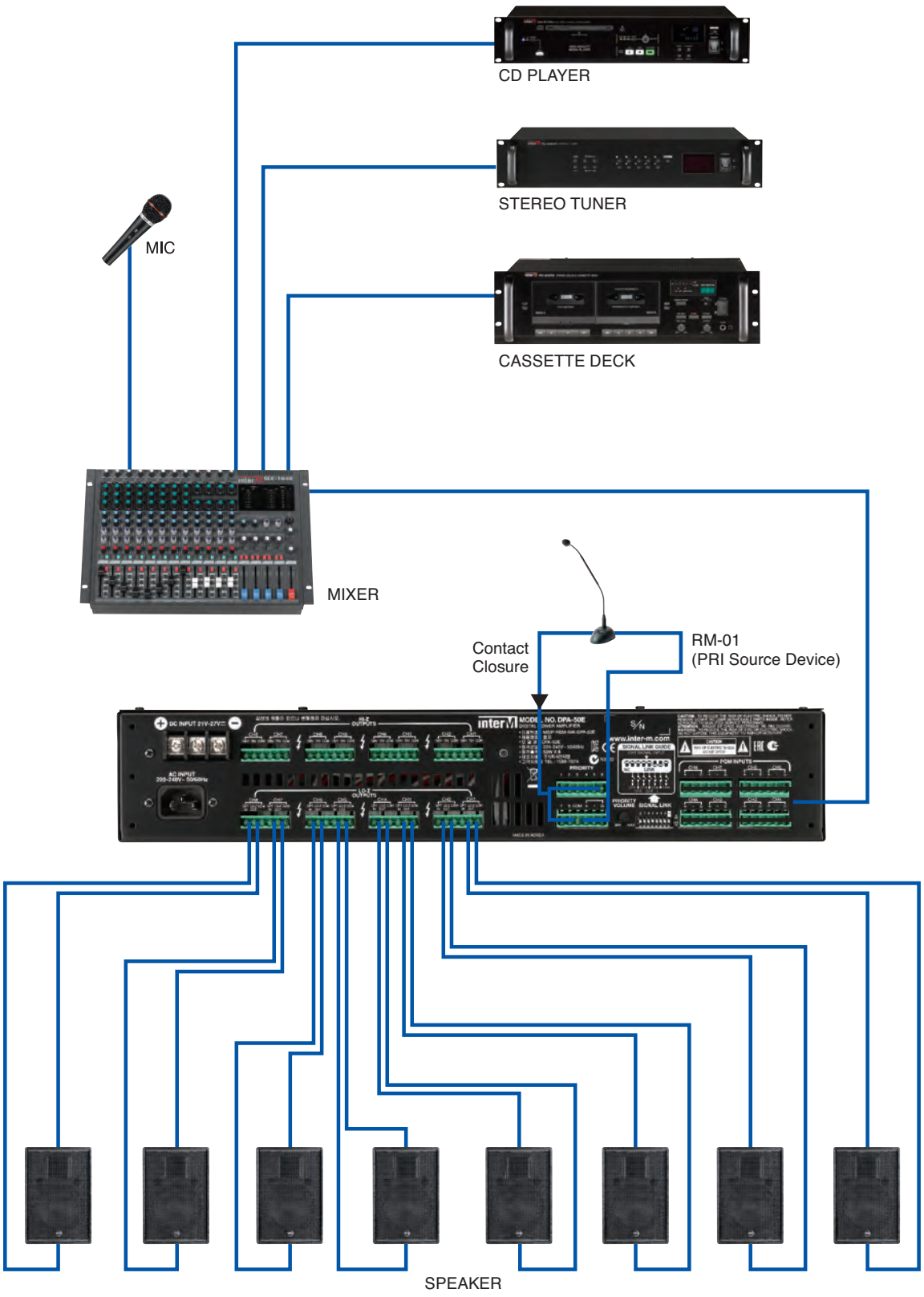
Features

- 2U Size Class-D multi-channel amplifier: 150 W×4CH (100 V, 70 V, 8 Ω)
- Powerful and delicate sound from high S/N and low THD
- Using PA / SR in spite of SMPS power system and OPTLESS design High efficiency, low heat generation, low weight design
- Perfect protection circuit for over-temperature, output short, overload, power anomaly and DC output
- Outputting PRIORITY input signal
- Full power operation on both AC and DC power
- Output level of SIG (-30 dB), -10 dB and Clip, Protection indicator
- Elimination of COMMON noise component of line by adopting balanced input
- External power control using contact with AC POWER REMOTE function
- Power Source: AC 220-240V, 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption: 140W
- Weight: 6.82kg / 15.04lb
- Dimensions (W×H×D) : 482 × 88 × 367mm / 19 x 3.5 x 14.4in

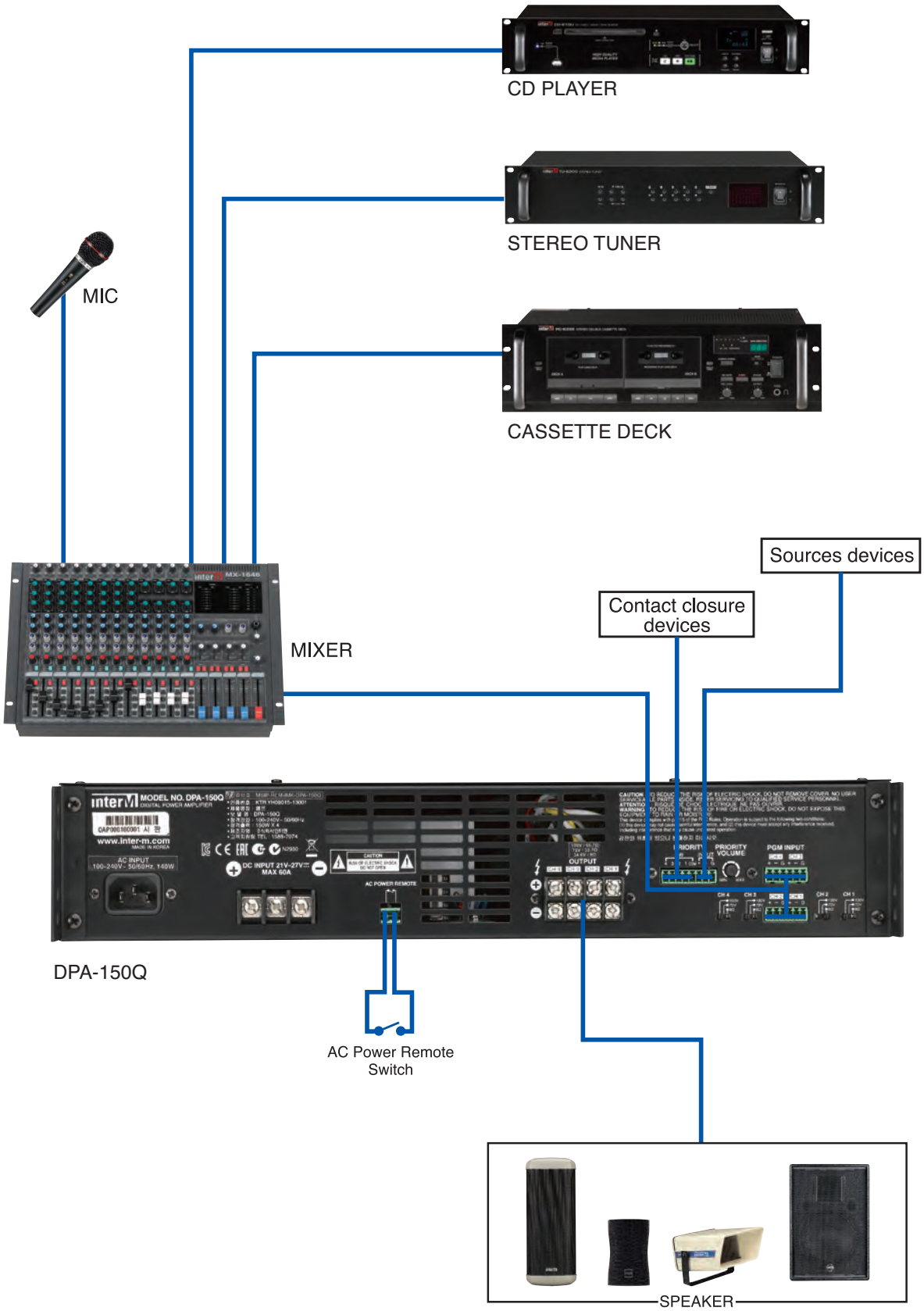
Rear view



CONNECTION DPA-50E



CONNECTION DPA-150Q



MultiCHannel Digital Amplifier

DPA-430H

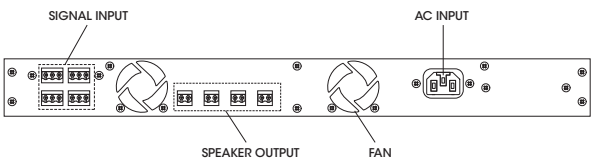


AC | High 100V | 300 Watt | Class-D

Features

- Multi-channel power amplifier, 300W × 4CH
- Flexible application with 1U size compact item for small space
- Independent SMPS power supply of eachCHannel
- Low power consumption, low heat and light weight
- High pass filter switch (65Hz / 400Hz)
- THD (AES17 Filter) : Prated(300W, 1kHz) less then < 0.1%
  ⅛Prated(100W, 1kHz) less then < 0.03%
- Signal to noise ratio (20kHz LPF, A-WTD) : >100dB
- High frequency response (+1, -3dB) : ≥20kHz
- Low frequency response :
  High Pass Filter Off (-3dB ±2dB) : 65Hz
  High Pass Filter On (-3dB ±2dB) : 400Hz
- Volume or trim selectable (Internal)
- Indicators : Protection, Clip, -10dB, -30dB
- Protection : thermal, DC, over current, output short
- Power Source : AC 120V-240V, 50/60Hz
  (Differs depends on country)
- Power Consumption : 250W(⅛Pmax)
- Weight : 9.6kg / 21.2 lb
- Dimensions (W×H×D) : 482 × 44 × 420mm / 19 × 1.7 × 16.5in

Rear view



1CH/2CH Digital Power Amplifier

DPA-130DC/230DC

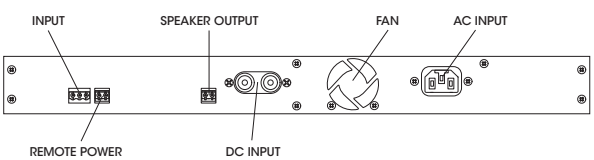


AC DC | High 100V | 300 Watt | Class-D

Features

- Flexible application with 1U size compact D-Class power amplifier, 300W/CH item for small space
- Output voltage / impedance :100V / 33.3Ω
- DC 24V for EM power supply & AC power
- contact provided for power control from a remote place
- Individual power structure per eachCHannel
- Low power, low heat and light weight by applying with new technology
- Perfect protection circuit for overhear, output short, overload, power failure & DC power
- 0.03%(100W), 0.1% (300W), high sound quality with low THD & S/N over 100dB
- Speaker protection from low signal input by adopting 400Hz high pass filter (65Hz/400Hz)
- Volume control range setting (-∞ or -12dB)
- Balance input (Delete the common noise from the cable)
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 300W
- Weight : DPA-230DC : 8.3kg / 18.2lb, DPA-130DC : 6.8kg / 14.9lb
- Demension : 482(W) × 44(H) × 420(D)mm / 19 × 1.7 × 16.5in

Rear view



Digital MultiCHannel Power Amplifier (4CH)

DPA-5075M

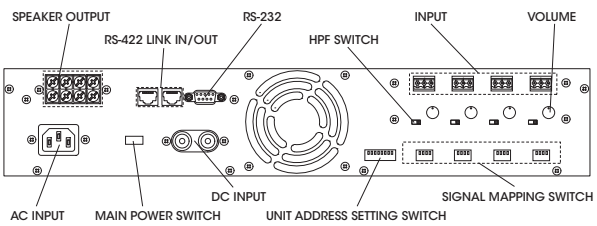


AC DC | High 100V | 75 Watt | Class-D

Features

- Rated Output Power :
  (75W × 4CH / 150W × 2CH / 225W × 1CH+75W × 1CH / 300W × 1CH)
- Modular based design, SMPS independent, no need turn off moduleCHange
- Spare amplifier module failover mode, 4(Main amp) + 1(Spare amp)
- Data linking with amplifiers via RS-422 and monitoring
- Amplification modules have softwareCHeckable power levels / load options
- Balance input
- Protection circuitry
  (over heat, over current, speaker short, DC output)
- Independent SMPS power supply for eachCHannel
- Low power consumption, low heat dissipation
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 130W
- Weight :
  MAIN SET + AMP MODULE 2EA - 10.8kg / 24lb
  MAIN SET + AMP MODULE 5EA - 16.5kg / 36.4lb
- Dimensions (W×H×D) : 482 × 88 × 420mm / 19 × 3.4 × 16.5in

Rear view



DPA-5075M Module Amplifier

DM-75

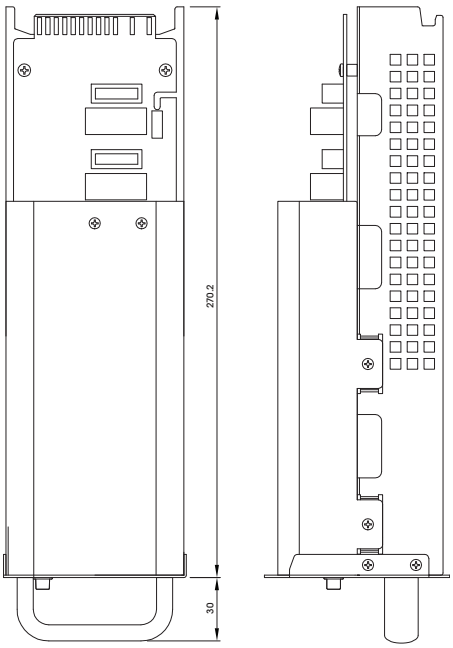


AC | 70V 100V | 75 Watt

Features

- Removable AMP module for DPA-5075M
- Weight : 1.9kg / 4.2lb
- Dimensions (W×H×D) : 86.6 × 87.6 × 270.2mm / 3.4 × 3.5 × 10.6in

Dimensions



Public Address Power Amplifier

PA-6312/6324/6336/6348

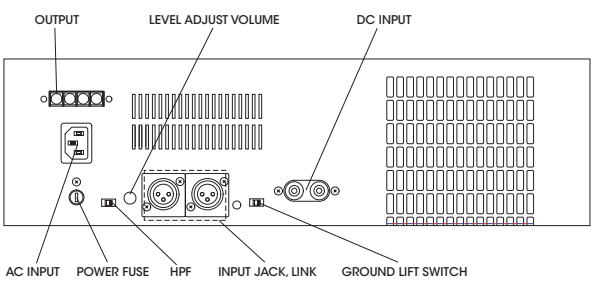


AC DC | Low High | 120 Watt | 240 Watt | 360 Watt | 480 Watt

Features

- Rated Output Power :
  PA-6312 - 120W RMS, PA-6324 - 240W RMS,
  PA-6336 - 360W RMS, PA-6348 - 480W RMS
- Low distortion (Over 95dB) , High powered circuit
- S/N : 95dB , THD : < 1%
- 400Hz High pass filter
- Adjustable input gain up to -12dB, Visiable Output Level Display
- 3U Size, Rack or Table Type available
- Protection : Thermistor on power transmiter heat sink
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : PA-6312 : 130W, PA-6324 : 450W,
  PA-6336 : 450W, PA-6348 : 600W
- Weight : PA-6312 : 14kg / 30.8lb, PA-6324 : 19kg / 41.9lb,
  PA-6336 : 19kg / 41.9lb, PA-6348 : 22kg / 48.5lb
- Dimensions (W×H×D) : 482 × 132 × 280mm / 19 × 5.2 × 11in

Rear view



DualCHannel Power Amplifier

PA-2312

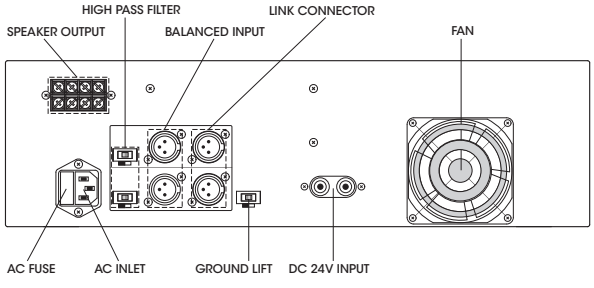


AC DC | Low High | 120 Watt | 240 Watt | 360 Watt | 480 Watt

Features

- Rated Output Power : 120W(RMS) x 2CH @<1% THD
- Protection : Thermal, PC limiter
- Balanced XLR input with XLR parallel link-out connectors
- 400Hz High pass filter
- Ground Selector Switch : Frame / Float
- Fan forced-air cooling system
- Output level indicator LEDs
- Power Source : AC 100-240V, 50/60Hz, DC 24V
  (supplied AC mains transformer depends on country requirements)
- Power Consumption : 290W
- Weight : 20kg / 44.1lb
- Dimensions (W×H×D) : 482×132×280mm / 19×5.2×11in

Rear view



8CH Digital SR Amplifier

DSA-300E

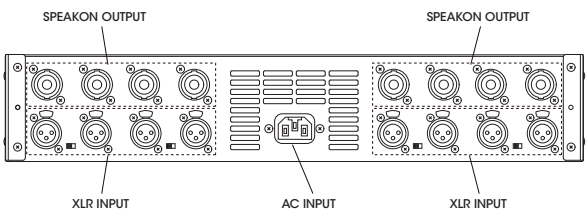


AC | Low 4Ω | Low 8Ω | 8 Channel | 150 Watt | Class-D | Mode Bridge

Features

- 2U Size D-Class Amplifier with 8CHannels
- Rated Output Power : 150W(8Ω), 300W(4Ω)
- 8CH input / output dispersion control
- High efficiency, low weight SMPS circuit
- STEREO / BRIDGE mode selectable (600W / 8Ω when using BRIDGE mode)
- Protection circuit (over-current, over-temperature, output short, DC detection, etc.)
- CLIP/LIMITER circuit
- Power Source : AC 220-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Power Consumption: 480W(Rated Power@1/8)
- Weight : 7.7kg / 19.68lb
- Dimensions (W×H×D) : 482 x 88 x 367mm / 16.54 x 3.5 x 14.4in

Rear view



4CH Digital SR Amplifier

DSA-500Q

NEW

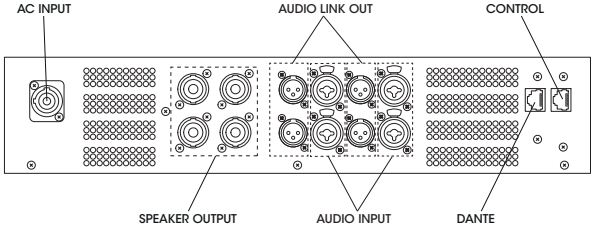


AC | Low 2Ω | Low 4Ω | Low 8Ω | 4 Channel | 300 Watt | Class-D | DSP | Mode Bridge | PC Control

Features

- 4CH high power Class-D Power Amplifier
- Rated Output Power :
  Stereo 4CH 300W@8Ω, 500W@4Ω, 800W@2Ω
  Bridged Mono 2CH 1000W@8Ω, 1600W@4Ω
- Built-in protection circuit such as overheating, output short, overload and DC voltage detection function
- Adjustable P-EQ, Filter, Limiter and Delay via DSP (optional)
- Simultaneous control of multiple amplifiers with PC program via network control
- Power Source : AC 220-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Dimensions (W×H×D) : 482 x 88 x 495mm / 16.54 x 3.5 x 19.5in

Rear view



4CH Digital SR Amplifier

DSA-2000Q

NEW

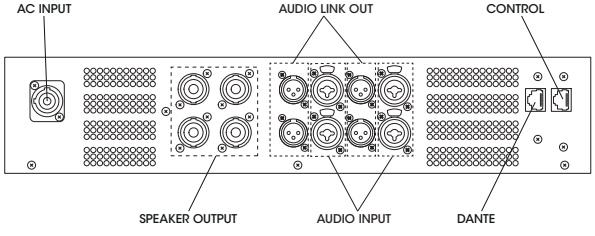


AC | Low 2Ω | Low 4Ω | Low 8Ω | 4 Channel | 1200 Watt | Class-D | DSP | Mode Bridge | PC Control

Features

- 4CH high power Class-D Power Amplifier
- Rated Output Power :
  STEREO 4CH 1200W@8Ω, 2000W@4Ω, 1500W@2Ω
  Bridged Mono 2CH 4000W@8Ω, 3000W@4Ω
- Adjustable P-EQ, Filter, Limiter and Delay via built-in DSP (optional)
- Built-in protection circuit such as overheating, output short, overload and DC voltage detection function
- Front OLED display enables convenient equipment control
- Simultaneous control of multiple amplifiers with PC program via network control
- Dante™ digital audio input available
- Power Source : AC 220-240V, 50/60Hz
  (supplied AC mains transformer depends on country requirements)
- Dimensions (W×H×D) : 482 x 88 x 495mm / 16.54 x 3.5 x 19.5in

Rear view



Professional Power Amplifier

V2-1000/2000/3000/4000/5000



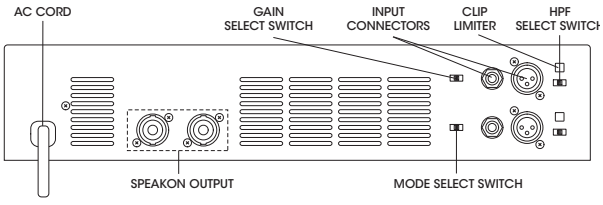
AC | Low 2Ω | Low 4Ω | Low 8Ω | 2 Channel | 1100 Watt | 1700 Watt | Watt | 3800 Watt | 4500 Watt | Mode Bridge

Features

- Compact size (2-Rack height)
- Stable SMPS(Switch Mode Power Supply)
  applied for low power consumption and low weight
- Voltage gain available
- High Damping Factor and low THD
- Includes clip limiter to prevent a sound crush
- For better efficiency, 2-step of H-class amp accepted
- Includes protection circuit to prevent a damage of over heat, short and over voltage
- Has 30Hz or 50Hz HPF to protect speaker from low-frequency

Spec		V2-1000	V2-2000	V2-3000	V2-4000	V2-5000
Rated Power						
STEREO	8Ω (1kHz,THD 0.1%)	170W	280W	500W	700W	900W
	4Ω (1kHz,THD 0.1%)	300W	500W	900W	1200W	1500W
	2Ω (1kHz,THD 0.5%)	550W	850W	1500W	1900W	2250W
BRIDGE	8Ω (1kHz,THD 0.1%)	650W	1000W	1800W	2400W	3000W
	4Ω (1kHz,THD 0.5%)	1100W	1700W	3000W	3800W	4500W
S / N		106dB				
Damping Factor		≥380	≥450	≥400		
Power Source		AC 100-240V, 50/60Hz				
Power Consumption (1/8 RATED OUTPUT POWER @4Ω)		380W	600W	770W	870W	1500W
Weight		10.95kg 24.1lb	11kg 24.2lb	12kg 26.4lb	12.1kg 26.6lb	13kg 28.6lb
Dimensions(W x H x D)		482 x 88 x 407mm / 19 x 3.5 x 16in				

Rear view

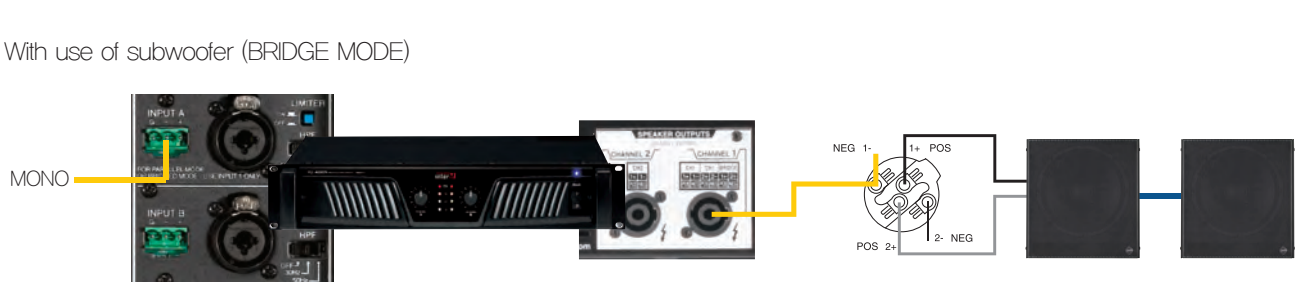


APPLICATIONS V2 SERIES

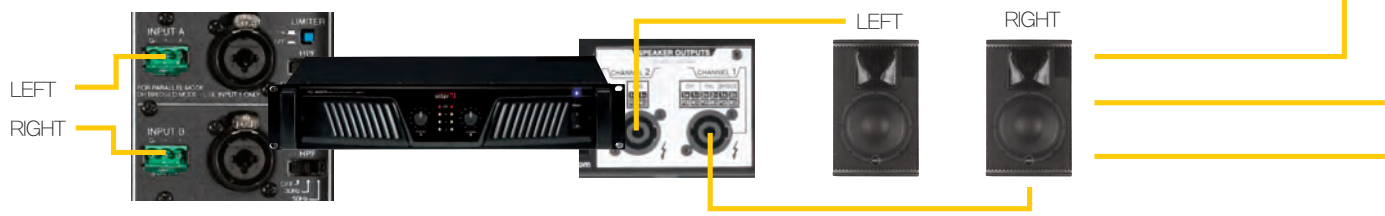
1. With use of bi-amplified speaker which has the separate HIGH and LOW speaker unit (STEREO MODE)
   – Likewise bi-amplified speaker receives the 2CH signal through speacon port, it has 2CH OUTPUT from one port.



2. With use of subwoofer (BRIDGE MODE)



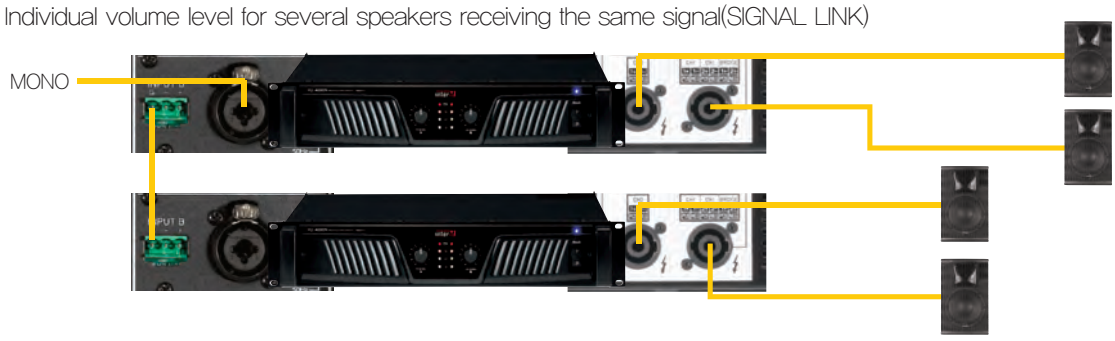
3. With individual use of 2-channel speaker as delay speaker, monitoring speaker, main speaker for small scale installation(STEREO MODE)

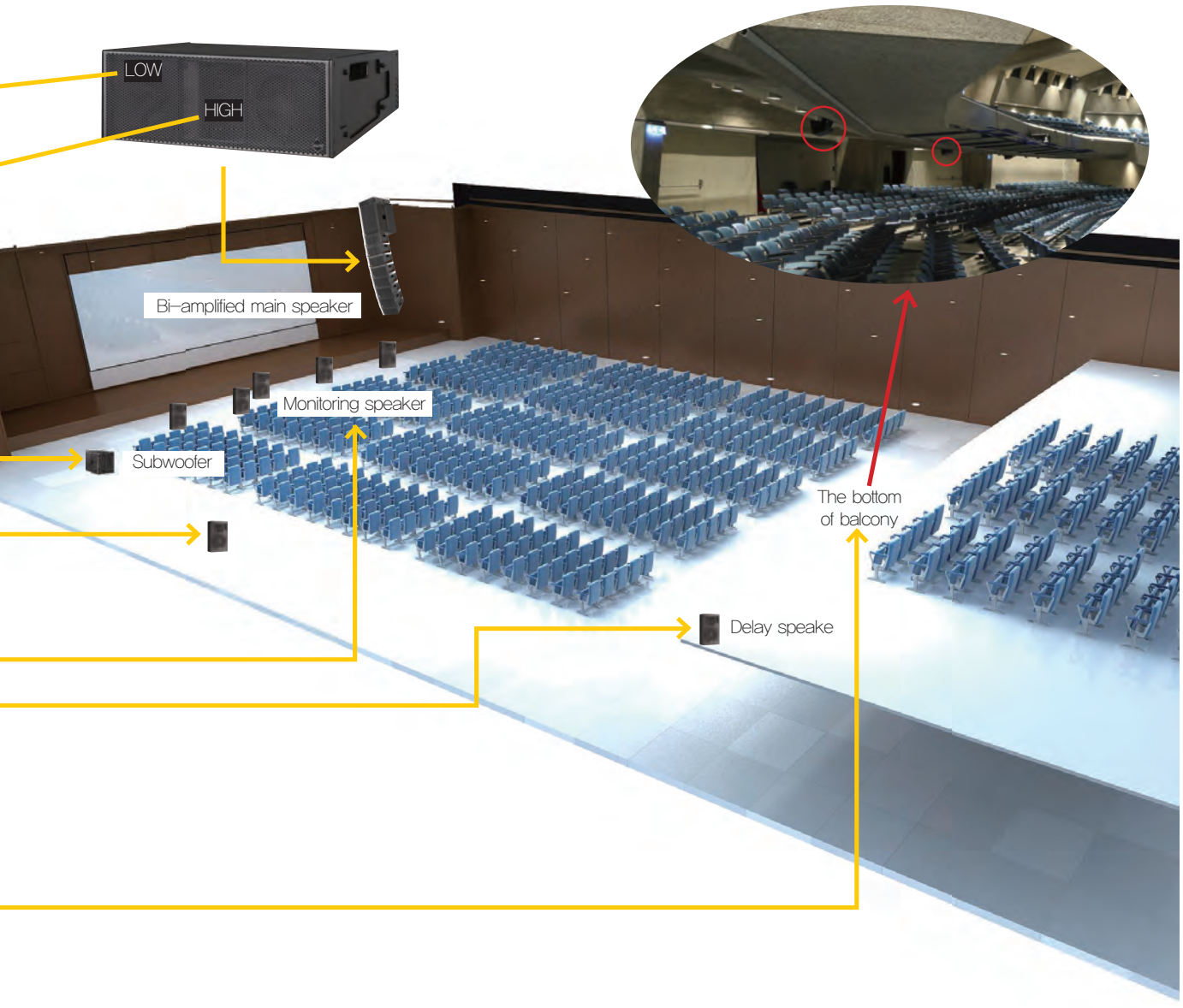


4. Same volume level for many speakers received the same signal (PARALLEL MODE)



5. Individual volume level for several speakers receiving the same signal(SIGNAL LINK)







Dining room



Chapel



Hallway

Reference Amplifier

R150PLUS/300PLUS/500PLUS



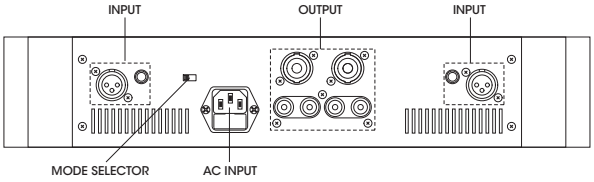
AC | Low | 2 Channel | 170 Watt | 330 Watt | 500 Watt | Mode Bridge

Features

- Controls :
  Front : Power on/off switch, Attenuator, LED indicator
  Rear : Mode selector switch, Stereo/bridged mono switch
- Connectors :
  Input - 1 XLR, 1/4″ balanced perCHannel
  Output - 5way binding post and SpeakonTM perCHannel
- Indicators :
  Power(Green), Protection(Red), Clip(Red), Signal(Green)
- Protection : Turn on delay, Thermal, DC fault, PC limiter

Spec	R150PLUS	R300PLUS	R500PLUS
Rated Power			
at 8Ω 1kHz (StereoCH)	50W	100W	170W
at 4Ω 1kHz (StereoCH)	75W	150W	250W
at 8Ω 1kHz (Bridged MONO)	170W	330W	500W
S / N	≥ 100dB	≥ 100dB	≥ 95dB
Damping Factor	≥ 150		
Power Source	AC 100-240V, 50/60Hz		
Power Consumption (1/8 Power)	170W(1.5A)	250W(2.4A)	480W(3.9A)
Weight	7.2kg / 15.9lb	8.4kg / 18.5lb	10.4kg / 23lb
Dimensions (W×H×D)	482 × 88 × 317mm / 19 × 3.5 × 12.5in		

Rear view



Professional Power Amplifier

L1400/1800/2400/3000



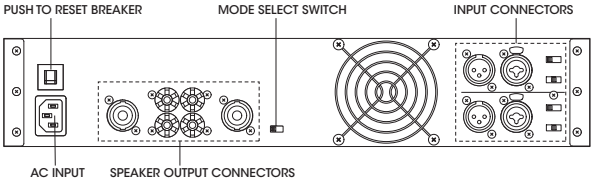
AC | Low | 2 Channel | 1400 Watt | 1800 Watt | 2400 Watt | 3000 Watt | Mode Bridge

Features

- Controls : Front - Power on/off switch, attenuator, LED indicators
  Rear - Mode selector switch, Stereo / Bridged Mono / Parallel HPF 50Hz / 30Hz / off switch, limiter on / off switch
- Connectors : Input - Combination jack and XLR jack (link)
  Output - One 5Way binding post and one speakonTM perCHannel
- Indicators : Power(Blue), Protection(Red), Clip/Limiter(Red), Signal(Green), Mode Selector(Yellow)
- Filters : 30Hz HPF, 50Hz HPF
- Protection : Turn-on delay, Thermal, DC fault, PC limiter, RF, Clip-limiter, Short circuit, Open circuit
- Cooling : Continuously variable speed fan, front to rear air flow

Spec	L1400	L1800	L2400	L3000
Rated Power				
RL=8Ω@0.1%THD(Stereo)	280W	360W	500W	650W
RL=4Ω@0.1%THD(Stereo)	450W	600W	750W	1000W
RL=2Ω@0.5%THD(Stereo)	700W	900W	1200W	1500W
RL=8Ω@ 1kHz@0.1%THD(Bridged)	900W	1200W	1500W	2000W
RL=4Ω@ 1kHz@0.5%THD(Bridged)	1400W	1800W	2400W	3000W
S / N	≥ 100dB			
Damping Factor	≥ 400			
Power Source	AC 100-240V, 50/60Hz			
Power Consumption (1/8 Power)	3.5A	4A	4.5A	5A
Weight	14.4kg 31.7lb	15kg 33lb	15.6kg 34.6lb	19.5kg 39.5lb
Dimensions (W×H×D)	482 × 88 × 317mm / 19 × 3.5 × 12.5in			

Rear view



Professional Quad Amplifier

QD4240/4480



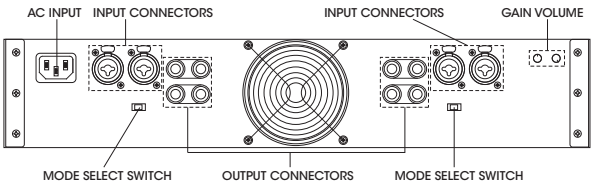
AC | Low | 4 Channel | 120 Watt | 240 Watt | Mode Bridge

Features

- Controls :
  Front : Power on/off switch, attenuator, LED indicator
  Rear : Mode selector switch : Stereo/bridged, mono/parallel
- Connectors : Input - XLR/1/4″ combination jack
  Output - 5Way binding post
- Indicators : Power(Red), Protection(Red), Clip(Red), Signal(Green)
- Protection : Turn on delay, Thermal, DC fault, PC limiter
- Fan Speed : 50˚C(122˚F) ~ 60˚C(140˚F) continuously-variable speed fan

Spec	QD4240	QD4480
Rated Power		
at 8Ω 1kHz (QuadCH)	40W	80W
at 4Ω 1kHz (QuadCH)	60W	120W
at 8Ω 1kHz (Bridged MONO)	120W	240W
S / N	≥ 100dB	
Damping Factor	≥ 100	
Power Source	AC 100-240V, 50/60Hz	
Power Consumption	300W	420W
Weight	11.3kg / 25.3lb	15.5kg / 34.2lb
Dimensions (W×H×D)	482 × 88 × 369mm / 19 × 3.5 × 14.5in	

Rear view



Professional Quad Amplifier

QD4960



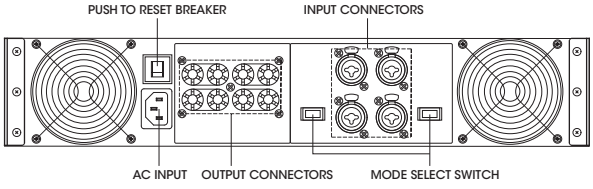
AC | Low | 4 Channel | 480 Watt | Mode Bridge

Features

- Controls :
  Front : Power on/off switch, attenuator, LED indicator
  Rear : Mode selector switch : Stereo/bridged, mono/parallel
- Connectors : Input - XLR/1/4″ combination jack
  Output - 5Way binding post
- Indicators : Power(Red), Protection(Red), Clip(Red), Signal(Green)
- Protection : Turn on delay, Thermal, DC fault, PC limiter
- Fan Speed : 50˚C(122˚F) ~ 60˚C(140˚F) continuously-variable speed fan

Spec	QD4960
Rated Power	
at 8Ω 1kHz (QuadCH)	170W
at 4Ω 1kHz (QuadCH)	240W
at 8Ω 1kHz (Bridged MONO)	480W
S / N	≥ 100dB
Damping Factor	≥ 80
Power Source	AC 100-240V, 50/60Hz
Power Consumption	1100W
Weight	17kg / 37.5lb
Dimensions (W×H×D)	482 × 88 × 369mm / 19 × 3.5 × 14.5in

Rear view



Output Transformer Units

OT-4240/4480/4960

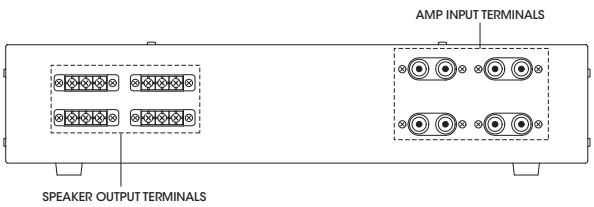


AC | Low | 4 Channel | Bridge

Features

- OT-4240 / 4480 / 4960 Transforms the 4 ohm output of the QD4240 / 4480 / 4960 to 70V or 100V levels for use with high impedance speakers
- Expansion line out for QD-4240 / 4480 /4960
- Weight
  OT-4240 : 11.5kg / 25.3lb
  OT-4480 : 14.5kg / 32lb
  OT-4960 : 21.5kg / 47.4lb
- Dimensions (W×H×D)
  OT-4240/4480 : 420 × 88 × 310mm / 16.5 × 3.5 × 12.2in,
  482 × 88 × 310mm / 19 × 3.5 × 12.2in(with Rack mount)
  OT-4960 : 420×132×280mm / 16.5×5.2×11in,
  482 × 132 × 280mm, 19 × 5.2 × 11in
  (with Optional rack-mount kit)

Rear view



NOTE

AMPLIFIER

Network Amplifier

Network Streaming Audio Amplifier

PN-106/112

NEW

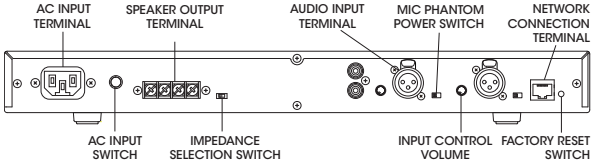


AC · Low High · 60 Watt · 120 Watt · Network · WEB · PC Control · Priority

Features

- Rated Output: 60W(PN-106), 120W(PN-112)
- TCP/IP Integral Amplifier
- MS-N300 Integrated Control, Web Browser GUI, Remote Power and Volume Control
- SMPS Power Circuit
- 3 Channels Input
- Set Output Priority
- Remote Power Control
- Power Source : AC 120-240V, 50/60Hz
- Dimension : 420(W) x 44(H) x 319.6(D)mm

Rear view



Network Streaming Audio Amplifier

PN-224/236/248/260

NEW

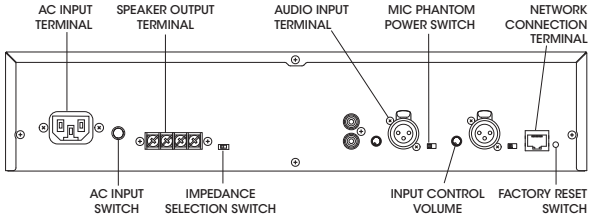


AC · Low High · 240 Watt · 360 Watt · 480 Watt · 600 Watt · Network · WEB · PC Control · Priority

Features

- Rated Output: 240W(PN-240), 360W(PN-236), 480W(PN-248), 600W(PN-260)
- TCP/IP Integral amplifier
- MS-N300 Integrated Control, Web Browser GUI, Remote Power and Volume Control
- SMPS Power Circuit
- 3 Channels Input
- Set Output Priority
- Remote Power Control
- Power Source
  PN-224/236 : AC 220-240V, 50/60Hz, 110W
  PN-248/260 : AC 120V-240V, 50/60Hz, 150W
- Dimension : 420(W) x 88(H) x 320(D)mm,
  PN-224/236 : 5.02kg, PN-248/260 : 5.23kg

Rear view



SPEAKER

APT Speakers

CS-301FQ/303FQ

11-0646
KS C IEC 60268-5

RoHS COMPLIANT



1 way | 3" | 1 Watt | 3 Watt

Features

- Supplying high quality trans-version
- Design blends in the interior
- Convenient construction

Spec		CS-301FQ	CS-303FQ
Type		3" Full-range Square Wall Type Apart Speaker	
Input Power	100V	1W	3W
Impedance	100V	10kΩ	3.3kΩ
Frequency Response(-10dB)		270Hz ~ 20kHz	210Hz ~ 20kHz
Frequency Range(-20%)		220Hz ~ 20kHz	180Hz ~ 20kHz
Sensitivity(1W/1m, 1kHz)		79dB	82dB
Maximum SPL[Cont]		79dB	87dB
Nominal Dispersion (Conical)	1kHz	137°	142°
	4kHz	115°	73°
Cut-Out Diameter(Ø, mm)		-	-
Weight(Net)		190g	210g
Dimensions(WxHxD)mm		120 x 120 x 49	120 x 120 x 49

APT Speakers

CS-301F

11-0646
KS C IEC 60268-5

RoHS COMPLIANT



1 way | 3" | 1 Watt

Features

- Design blends in the interior
- Easy to attach to ceiling and wall
- Direction is adjustable with DOME type cover
- Play clear sound with high-quality unit

Spec		CS-301F
Type		3" Full-range Ceiling Type Apart Speaker
Input Power	100V	1W
Impedance	100V	10kΩ
Frequency Response(-10dB)		270Hz ~ 20kHz
Frequency Range(-20%)		220Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		80dB
Maximum SPL[Cont]		80dB
Nominal Dispersion (Conical)	1kHz	142°
	4kHz	104°
Cut-Out Diameter(Ø, mm)		Ø92 ~ 97
Weight (Net)		230g
Dimensions (Ø(WxH)xD)mm		Ø152 x 55

APT Speakers

CS-301FC/303FC

11-0646
KS C IEC 60268-5

RoHS COMPLIANT



1 way | 3" | 1 Watt | 3 Watt

Features

- Supplying high quality transformer
- Design blends in the interior
- Convenient construction (Clip type)

Spec		CS-301FC	CS-303FC
Type		3" Full-range Ceiling Type Apart Speaker	
Input Power	100V	1W	3W
Impedance	100V	10kΩ	3.3kΩ
Frequency Response(-10dB)		285Hz ~ 18.4kHz	210Hz ~ 17kHz
Frequency Range(-20%)		230Hz ~ 20kHz	180Hz ~ 19.5kHz
Sensitivity (1W/1m, 1kHz)		80dB	83dB
Maximum SPL[Cont]		80dB	88dB
Nominal Dispersion (Conical)	1kHz	147°	151°
	4kHz	114°	74°
Cut-Out Diameter(Ø, mm)		Ø110 ~ 115	Ø110 ~ 115
Weight (Net)		170g	200g
Dimensions WxHxD)mm		Ø126 x 42	Ø126 x 42

Ceiling Speakers

CS-610M

RoHS COMPLIANT



1 way | 6.5" | 10 Watt

Features

- High reliability with anti-corrosive coating and plating treatment
- Convenient construction due to structure making easy to attach to ceiling
- Full range speaker unit and matching transformer

Spec		CS-610M
Type		6.5" Full-range Ceiling Speaker
Input Power	100V	10/5/3W
Impedance	100V	1k/2k/3.3kΩ
Frequency Response(-10dB)		310Hz ~ 15kHz
Frequency Range(-20%)		100Hz ~ 17.4kHz
Sensitivity (1W/1m, 1kHz)		90dB
Maximum SPL[Cont]		100dB
Nominal Dispersion (Conical)	1kHz	168°
	4kHz	58°
Cut-Out Diameter(Ø, mm)		Ø195 ~ 200
Weight (Net)		960g
Dimensions WxHxD)mm		Ø228 x 96

Ceiling Speakers

CS-610



1 way | 6.5" | 3 Watt | 5 Watt | 10 Watt

Features

- High reliability with anti-corrosive coating and plating treatment
- Convenient construction due to structure making easy to attach to ceiling
- Full range speaker unit and matching transformer

Spec		CS-610
Type		6.5" Full-rangeCeiling Speaker
Input Power	100V	10/5/3W
Impedance	100V	1k/2k/3.3kΩ
Frequency Response(-10dB)		300Hz ~ 15.4kHz
Frequency Range(-20%)		100Hz ~ 17.4kHz
Sensitivity (1W/1m, 1kHz)		90dB
Maximum SPL[Cont]		100dB
Nominal Dispersion (Conical)	1kHz	167°
	4kHz	56°
Cut-Out Diameter(Ø, mm)		Ø195 ~ 200
Weight (Net)		880g
Dimensions (Ø(WxH)xD)mm		Ø228 x 116

Ceiling Speakers

CS-610F/615F

12-0031
KS C IEC 60268-5



1 way | 6" | IP34 | 3 Watt | 6 Watt | 12 Watt

Features

- Full Range of 1 way speaker system (6 inch unit)
- Versatile
- Easy installation
- Excellent for Public Address application

Spec		CS-610F	CS-615F
Type		6.5" Full-range Ceiling Speaker	
Input Power	100V	10/5/3W	15/7.5/3.75W
Impedance	100V	1k/2k/3.3kΩ	660/1.3k/2.6kΩ
Frequency Response(-10dB)		300Hz ~ 15.8kHz	300Hz ~ 12kHz
Frequency Range (-20%)		100Hz ~ 19.4kHz	105Hz ~ 18kHz
Sensitivity (1W/1m, 1kHz)		89dB	89dB
Maximum SPL[Cont]		99dB	101dB
Nominal Dispersion (Conical) *1	1kHz	180°	180°
	4kHz	62°	64°
Cut-Out Diameter(Ø, mm)		Ø200 ~ 210	Ø200 ~ 210
Weight (Net)		860g	880g
Dimensions (Ø(WxH)xD)		Ø230 x 100	Ø230 x 100

Ceiling Speakers

CS-510F

11-0646
KS C IEC 60268-5



1 way | 5.25" | 10 Watt

Features

- CS-510F can be installed in a 150mm lighting hole

Spec		CS-510F
Type		5" Full-range Ceiling Speaker
Input Power	100V	10/5/3W
Impedance	100V	1k/2k/3.3kΩ
Frequency Response(-10dB)		145Hz ~ 10kHz
Frequency Range(-20%)		120Hz ~ 18kHz
Sensitivity (1W/1m, 1kHz)		86dB
Maximum SPL[Cont]		98dB
Nominal Dispersion (Conical)	1kHz	180°
	4kHz	83°
Cut-Out Diameter(Ø, mm)		Ø150
Weight (Net)		690g
Dimensions (Ø(WxH)xD)mm		Ø177 x 102

Ceiling Speakers

CS-620FH/630FH/680FH

12-0031
KS C IEC 60268-5



2 way | 6" | IP34 | 20 Watt | 30 Watt | 80 Watt

Features

- 2 Way speaker system (6"-2way coaxial type)
- Versatile
- Easy installation
- Excellent for Public Address application
- Multi-tap switch offers an easy way toCHange taps on a transformer

Spec		CS-620FH	CS-630FH	CS-680FH
Type		6.5" 2Way Coaxial Ceiling Speaker		
Input Power	100V	20/10/5W	30/20/10W	80/40/20W
Impedance	100V	500/1k/2kΩ	330/500/1kΩ	125/250/500Ω
Frequency Response(-10dB)		130Hz ~ 20kHz	130Hz ~ 20kHz	140Hz ~ 20kHz
Frequency Range (-20%)		100Hz ~ 20kHz	85Hz ~ 20kHz	100Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		86dB	86dB	88dB
Maximum SPL[Cont]		99dB	101dB	107dB
Nominal Dispersion (Conical)	1kHz	180° *1	126°	180° *1
	4kHz	92°	59°	72°
Cut-Out Diameter(Ø, mm)		Ø200 ~ 205	Ø200 ~ 205	Ø200 ~ 205
Weight (Net)		2.03kg	2.52kg	3.35kg
Dimensions (Ø(WxH)xD)mm		Ø230 x 168	Ø230 x 168	Ø230 x 168

Ceiling Speakers

CS-503FE

11-0646
KS C IEC 60268-5



RoHS COMPLIANT

1 way | 5" | 3 Watt

Features

- High quality matching transformer
- Convenient installation
- Unit Waterproof Cone paper

Spec		CS-503FE
Type		5" Exposure Ceiling Speaker
Input Power	100V	3/1W
Impedance	100V	3.3k/10kΩ
Frequency Response(-10dB)		200Hz ~ 11kHz
Frequency Range(-20%)		100Hz ~ 15.5kHz
Sensitivity (1W/1m, 1kHz)		89dB
Maximum SPL[Cont]		94dB
Nominal Dispersion (Conical)	1kHz	180°
	4kHz	60°
Cut-Out Diameter(Ø, mm)		Ø210
Weight (Net)		650g
Dimensions (Ø(WxH)xD)mm		Ø212 x 75

Ceiling Speakers

CS-430F



RoHS COMPLIANT

2 way | 4" | Low High | 70V 100V | 30 Watt

Features

- 2 Way Speaker System (4" Low/Mid driver + 1/2" tweeter)
- Elegant design blends in the interior
- High quality matching transformer and unit

Spec		CS-430F
Type		4" 2Way Ceiling Speaker
Input Power	100V	30/15/7.5W
	70V	30/15/7.5W
Impedance	100V	333/667/1.3kΩ
	70V	163/333/667Ω
	LOW	8Ω
Frequency Range (-20%)		100Hz ~ 20kHz
Sensitivity (1W/1m)		84dB
Maximum SPL[Cont]		99dB
Norminal Dispersion		70°
Cut-Out Diameter(Ø, mm)		Ø200 ~ Ø205
Weight (Net)		1.8kg
Dimensions (Ø(WxH)xD)mm		Ø230 x 168

NOTE

Column Speakers

CU-21F/22F/24F

NEW

RoHS COMPLIANT

INDOOR



CU-21F CU-22F CU-24F

1 way | 4" | 70V 100V | 10 Watt | 20 Watt | 40 Watt

Features

- Color : Silver
- 4" Full Range unit with excellent sound quality, clarity and durability
- High performance matching transformer
- Durable aluminum body and flame retardant grill
- Neat and simple design blends harmoniously into interior design
- U-shaped bracket makes installation easy on street light, pole, and other places

Spec		CU-21F	CU-22F	CU-24F
Type		4" Full-range Column Speaker		
Input Power	100V	10/5W	20/10W	40/20W
Impedance	100V	1k/2kΩ	500/1kΩ	250/500Ω
Frequency Response(-10dB)		127Hz ~ 20kHz	137Hz ~ 20kHz	128Hz ~ 20kHz
Frequency Range(-20%)		100Hz ~ 20kHz	108Hz ~ 20kHz	94Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		87dB	90dB	91dB
Maximum SPL[Cont]		97dB	103dB	107dB
Nominal Dispersion (Conical)	1kHz	205° x 154°	220° x 120°	208° x 60°
	4kHz	122° x 141°	103° x 33°	106° x 16°
Weight (Net)		1.8kg	3kg	4.65kg
Dimensions (Net, WxHxD, mm)		135 x 280 x 109	135 x 390 x 109	135 x 610 x 109

Column Speakers

CU-21FO/22FO/24FO

NEW

RoHS COMPLIANT

OUTDOOR



CU-21FO CU-22FO CU-24FO

IP34 | 1 way | 4" | 70V 100V | 10 Watt | 20 Watt | 40 Watt

Features

- Color : Titanium [Light Brown]
- 4" Full Range unit with excellent sound quality, clarity and durability
- High performance matching transformer
- Durable aluminum body and flame retardant grill
- U-shaped bracket makes installation easy on street light, pole, and other places
- IP34

Spec		CU-21FO	CU-22FO	CU-24FO
Type		4" Full-range Column Speaker		
Input Power	100V	10/5W	20/10W	40/20W
Impedance	100V	1k/2kΩ	500/1kΩ	250/500Ω
Frequency Response(-10dB)		127Hz ~ 20kHz	137Hz ~ 20kHz	128Hz ~ 20kHz
Frequency Range(-20%)		100Hz ~ 20kHz	108Hz ~ 20kHz	94Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		87dB	90dB	91dB
Maximum SPL[Cont]		97dB	103dB	107dB
Nominal Dispersion (Conical)	1kHz	205° x 154°	220° x 120°	208° x 60°
	4kHz	122° x 141°	103° x 33°	106° x 16°
Weight (Net)		1.8kg	3kg	4.65kg
Dimensions (Net, WxHxD, mm)		135 x 280 x 109	135 x 390 x 109	135 x 610 x 109

Column Speakers

CU-410F/420F/430F/440F

11-0646
KS C IEC 60268-5

RoHS COMPLIANT

INDOOR



CU-410F CU-420F CU-430F CU-440F

1 way | 4" | 10 Watt | 20 Watt | 30 Watt | 40 Watt

Features

- Indoor column speaker
- Color : Light Grey
- User based design for fast installation
- Simple and clear design with their rounded corners and edges
- Top quality durable units are applied for excellent sound reproduction performance
- Direction adjustable with bracket

Spec		CU-410F	CU-420F	CU-430F	CU-440F
Type		4" Full-range Column Speaker			
Input Power	100V	10/5W	20/10W	30/15W	40/20W
Impedance	100V	1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Frequency Response(-10dB)		140Hz ~ 15.6kHz	140Hz ~ 15.6kHz	140Hz ~ 13.7kHz	135Hz ~ 13.7kHz
Frequency Range(-20%)		115Hz ~ 20kHz	110Hz ~ 20kHz	110Hz ~ 15.4kHz	100Hz ~ 17.7kHz
Sensitivity (1W/1m, 1kHz)		87dB	91dB	92dB	92dB
Maximum SPL[Cont]		97dB	104dB	107dB	108dB
Nominal Dispersion (Conical)	1kHz	196° x 135°	200° x 99°	197° x 65°	195° x 52°
	4kHz	123° x 116°	110° x 24°	107° x 16°	112° x 15°
Weight (Net)		1.97kg	3.13kg	3.9kg	4.76kg
Dimensions (Net, WxHxD, mm)		156 x 300 x 129	156 x 400 x 129	156 x 500 x 129	156 x 600 x 129

Column Speakers

CU-410FO/420FO/430FO/440FO

11-0646
KS C IEC 60268-5

RoHS COMPLIANT

OUTDOOR



CU-410FO CU-420FO CU-430FO CU-440FO

1 way | 4" | IP34 | 10 Watt | 20 Watt | 30 Watt | 40 Watt

Features

- Outdoor column speaker
- Color : Titanium (Light Brown)
- User based design for fast installation
- Simple and clear design with their rounded corners and edges
- Top quality durable units are applied for excellent sound reproduction performance
- Direction adjustable with bracket

Spec		CU-410FO	CU-420FO	CU-430FO	CU-440FO
Type		4" Full-range Column Speaker			
Input Power	100V	10/5W	20/10W	30/15W	40/20W
Impedance	100V	1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Frequency Response(-10dB)		135Hz ~ 13.7kHz	150Hz ~ 16.9kHz	135Hz ~ 15kHz	130Hz ~ 8.8kHz
Frequency Range(-20%)		110Hz ~ 18.4kHz	120Hz ~ 20kHz	100Hz ~ 16.9kHz	100Hz ~ 16kHz
Sensitivity (1W/1m, 1kHz)		86dB	89dB	90dB	91dB
Maximum SPL[Cont]		96dB	102dB	105dB	107dB
Nominal Dispersion (Conical)	1kHz	192° x 136°	203° x 99°	199° x 64°	195° x 55°
	4kHz	104° x 100°	95° x 25°	94° x 15°	95° x 15°
Weight (Net)		1.97kg	3.13kg	3.9kg	4.76kg
Dimensions (Net, WxHxD, mm)		156 x 300 x 129	156 x 400 x 129	156 x 500 x 129	156 x 600 x 129

Column Speakers

CU-7060/7120

NEW

RoHS COMPLIANT

INDOOR



CU-7060



CU-7120

2 way | 4 | 60 Watt | 120 Watt

Features

- Color: Black/White
- Excellent sound quality, intelligibility, and durability
- Suitable both for paging and BGM playback
- 2-Way configuration enabling clear high-frequency reproduction
- Minimize audio quality loss using a high-quality matching transformer
- Screw speaker cable terminal for easy installation
- Wood enclosure
- Brackets included

Spec		CU-7060	CU-7120
Type		4" 2WayColumn Speaker	
Input Power	100V	60/30W	120/60W
Impedance	100V	166/330Ω	83/166Ω
	LOW	8Ω	8Ω
Frequency Response(-10dB)		100Hz ~ 20kHz	95Hz ~ 20kHz
Frequency Range(-20%)		55Hz ~ 20kHz	70Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		92dB	94dB
Maximum SPL[Cont]		111dB	116dB
Nominal Dispersion (Conical)	1kHz	140° / 100°	155° / 55°
	4kHz	180° / 106°	70° / 20°
Weight (Net)		5.42kg	8.02kg
Dimensions (Net, WxHxD, mm)		130 x 420 x 195	130 x 620 x 195

Column Speakers

CU-610M/620M/630M/640M

RoHS COMPLIANT

INDOOR



CU-610M CU-620M CU-630M CU-640M

IP34 | 2 way | 3" | 70V 100V | 10 Watt | 20 Watt | 30 Watt | 40 Watt

Features

- Color : Light Grey
- Tweeter Unit
- Simple and clear design with their tweeter unit corners and edges
- Top quality durable units are applied for excellent sound reproduction performance
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of tweeter drivers are used to achieve the best sound
- User based design for fast installation
- Speaker Terminal added for easy installing and convenience

Spec		CU-610M	CU-620M	CU-630M	CU-640M
Type		4" 2Way Column Speaker			
Input Power	100V	10/5W	20/10W	30/15W	40/20W
Impedance	100V	1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Frequency Response(-10dB)		160Hz ~ 20kHz	160Hz ~ 20kHz	147Hz ~ 20kHz	145Hz ~ 16.5kHz
Frequency Range(-20%)		140Hz ~ 20kHz	140Hz ~ 20kHz	126Hz ~ 20kHz	124Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		83dB	83dB	88dB	87dB
Maximum SPL[Cont]		93dB	96dB	103dB	103dB
Nominal Dispersion (Conical)	1kHz	213° x 130°	211° x 75°	213° x 72°	201° x 50°
	4kHz	298° x 216°	85° x 19°	104° x 87°	83° x 12°
Weight (Net)		1.36kg	2.15kg	2.7kg	3.16kg
Dimensions (Net, WxHxD, mm)		104 x 290 x 86	104 x 400 x 86	105 x 490 x 86	105 x 580 x 86

Column Speakers

CU-610MV/620MV/630MV/640MV

INDOOR



CU-610MV CU-620MV CU-630MV CU-640MV

IP34 | 2 way | 3" | 70V 100V | 10 Watt | 20 Watt | 30 Watt | 40 Watt

Features

- Color : Light Grey
- Horn Unit
- Simple and clear design with their tweeter unit corners and edges
- Top quality durable units are applied for excellent sound reproduction performance
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of tweeter drivers are used to achieve the best sound
- User based design for fast installation
- Speaker Terminal added for easy installing and convenience

Spec		CU-610MV	CU-620MV	CU-630MV	CU-640MV
Type		3" 2Way Column Speaker			
Input Power	100V	10/5W	20/10W	30/15W	40/20W
Impedance	100V	1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Frequency Range (-20%)		93Hz ~ 20kHz	120Hz ~ 20kHz	100Hz ~ 20kHz	90~20kHz
Sensitivity (1W/1m, 1kHz)		94dB	100dB	103dB	100dB
Maximum SPL[Cont]		97dB	103dB	106dB	116dB
Norminal Dispersion (Conical)	1kHz	187° / 90°	246° / 93°	234° / 130°	240° / 60°
	4kHz	160° /182°	120° / 15.6°	108° / 60°	120° / 20°
Weight (Net)		1.45kg	2.35kg	2.85kg	3.18kg
Dimensions (Ø(WxH)xD)mm		104 x 290 x 86	104 x 400 x 86	105 x 490 x 86	105 x 580 x 86

Column Speakers

CU-620MO/640MO/620MOV/640MOV

OUTDOOR



CU-620MO/ CU-620MOV CU-640MO/ CU-640MOV

IP34 | 2 way | 3" | 70V 100V | 20 Watt | 40 Watt

Features

- Color : Light Grey
- Horn Unit(CU-620MV/640MV)
- Simple and clear design with their rounded corners and edges
- Top quality durable units are applied for high sound pressure level and excellent sound reproduction performance
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of tweeter drivers are used to achieve the best sound
- User based design for fast installation
- Waterproof, dampproof materials ensure this speaker suitable for working in the harsh outdoor environments
- Speaker Terminal added for easy installing and convenience

Spec		CU-620MO	CU-640MO	CU-620MOV	CU-640MOV
Type		3" 2Way Column Speaker			
Input Power	100V	20/10W	40/20W	20/10W	40/20W
Impedance	100V	500/1kΩ	250/500Ω	500/1kΩ	250/500Ω
Frequency Range (-20%)		150~19kHz	90~20kHz	130~20kHz	138Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		97dB	100dB	96dB	95dB
Maximum SPL[Cont]		110dB	116dB	109dB	117dB
Norminal Dispersion (Conical)	1kHz	260° / 108°	360° / 60°	360° / 82.6°	360° / 60°
	4kHz	80° / 17°	190° / 60°	134° / 32.3°	144° / 22°
Weight (Net)		2.16kg	3.16kg	2.18kg	3.17kg
Dimensions (Ø(WxH)xD)mm		104 x 400 x 86	105 x 580 x 86	104 x 400 x 86	105 x 580 x 86

CU-9030/9060/9120

NEW

11-0646
KS C IEC 60268-5

RoHS COMPLIANT

OUTDOOR



CU-9030 CU-9060 CU-9120

Features

- Color: Metallic brown
- Excellent sound quality, intelligibility
- Rigid zinc-plated aluminum body with a non-flammable steel grill
- uitable for paging, emergency broadcasting, and BGM playback
- IP65 of weatherproof and dustproof
- Protected from corrosion, discoloration, and deformation
- Multi-tapping using a rotary switch
- 2-Way configuration enabling clear high-frequency reproduction
- Brackets included

Spec		CU-9030	CU-9060	CU-9120
Type		4" 2Way Column Speaker		
Input Power	100V	30/15W	60/30W	120/60W
Impedance	100V	330/660Ω	166/330Ω	83Ω/166Ω
Frequency Response(-10dB)		115Hz ~ 20kHz	105Hz ~ 20kHz	105Hz ~ 15.5kHz
Frequency Range(-20%)		80Hz ~ 20kHz	80Hz ~ 20kHz	70Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		88dB	90dB	90dB
Maximum SPL[Cont]		106dB	110dB	112dB
Nominal Dispersion (Conical)	1kHz	180° / 175°	180° / 90°	160° / 60°
	4kHz	130° / 110°	120° / 40°	100° / 20°
Weight (Net)		3.09kg	4.66kg	7.05kg
Dimensions (Net, WxHxD, mm)		160 x 320 x 125	160 x 450 x 125	160 x 650 x 125

2 way · 4" · IP65 · 30 Watt · 60 Watt · 120 Watt

NOTE

Wall Speakers

WS-15T/30T/50T/80T(W/B)



Features

- Various line-ups toCHoose according to location and environment
- Applied high quality transformer for both high voltage and low impedance
- Available for outdoor use (IP54)
- Asymmetric horn for optimal acoustic environment design
- Elegant appearance that brings out interior
- Black/white version available (including color of bracket)
- Professional quality of audio sound
- Bracket for wall-mounting (including screw driver)

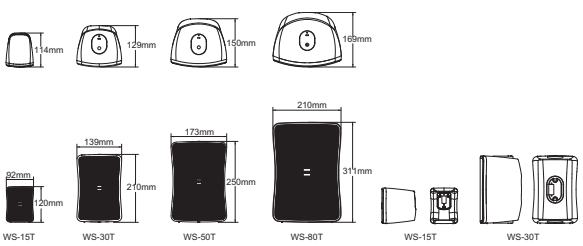
Spec		WS-15T	WS-30T	WS-50T	WS-80T
Type		2.5" Full-range Wall Mount Speaker	4" 2Way Passive Wall Mount Speaker	5" 2Way Passive Wall Mount Speaker	6.5" 2Way Passive Wall Mount Speaker
Input Power	100V	15W	30/15W	50/25W	80/40W
Impedance	100V	666Ω	333/666Ω	200/400Ω	125/250Ω
	LOW	8Ω	8Ω	8Ω	8Ω
Frequency Response(-10dB)		120Hz ~ 20kHz	108Hz ~ 20kHz	94Hz ~ 20kHz	80Hz ~ 20kHz
Frequency Range (-20%)		111Hz ~ 20kHz	83Hz ~ 20kHz	69Hz ~ 20kHz	60Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		79dB	84dB	87dB	86dB
Maximum SPL[Cont]		90dB	95dB	104dB	105dB
Norminal Dispersion	1kHz	90°	Asymmetric Horn Horizontal Coverage : Far Field 60°, Near Field 120° Vertical Coverage : upward +20°, downward -40° (On Axis)		
Weight (Net)		0.89kg	1.68kg	2.34kg	3.58kg
Dimensions (Ø(WxH)xD)mm		92 x 120 x 114	139 x 210 x 129	173 x 250 x 150	210 x 311 x 169


Knuckle bracket

U bracket

* WS-15T : Knuckle bracket (only)
* WS-30T/50T/80T : Knuckle bracket/U bracket (selectable)

Dimensions



Wall Speakers

FS-30N/52N/60N/100N(I/B)



Features

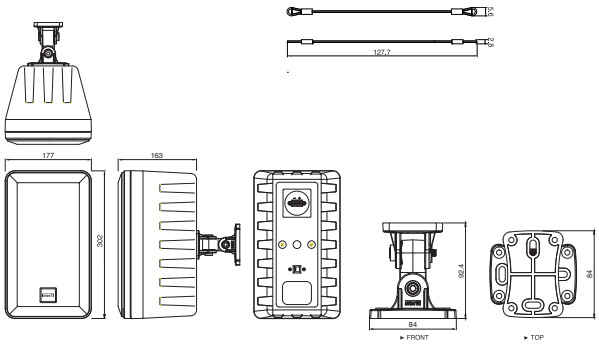
- Optimized sound quality for music playback &voice intelligibility
- Full-range two-way speaker system for high efficiency PA system performance
- Switch for connection to low impedance (8Ω) or high impedance (100V) system
- High strength articulated installation bracket
- Screw terminal for easy installation and certain connection
- Compatible with Optional FSB-3 Bracket
- Safety Wire for additional installation safety

Spec		FS-30N	FS-52N	FS-60N	FS-100N
Type		5.25" Full-range Wall Mount Speaker	5.25" 2Way Wall Mount Speaker	5.25" Full-range Wall Mount Speaker	Dual 5.25" Full-range Wall Mount Speaker
Input Power	100V	30W	50W	60W	100W
Impedance	100V	330Ω	200Ω	167Ω	100Ω
	LOW	8Ω	8Ω	8Ω	8Ω
Frequency Response(-10dB)		93Hz ~ 16kHz	76Hz ~ 20kHz	97Hz ~ 16.5kHz	-
Frequency Range (-20%)		60Hz ~ 20kHz	60Hz ~ 20kHz	69Hz ~ 19.2kHz	70Hz ~ 16kHz
Sensitivity (1W/1m, 1kHz)		85dB	85dB	86dB	93dB
Maximum SPL[Cont]		100dB	102dB	104dB	119dB
Nominal Dispersion (Conical)	1kHz	195° x 101°	187° x 144°	199° x 101°	199° x 101°
	4kHz	97° x 29°	80° x 34°	109° x 32°	109° x 32°
Weight (Net)		2.69kg	3.21kg	2.96kg	3.32kg
Dimensions (Ø(WxH)xD)mm		177 x 302 x 163	177 x 302 x 163	177 x 302 x 163	177 x 302 x 163



* Excluding speaker bracket, Compatible with optional FSB-3(B/W) bracket

Dimensions



Wall Speakers

GS-20(W/B)



2 way | 5 | 20 Watt

Features

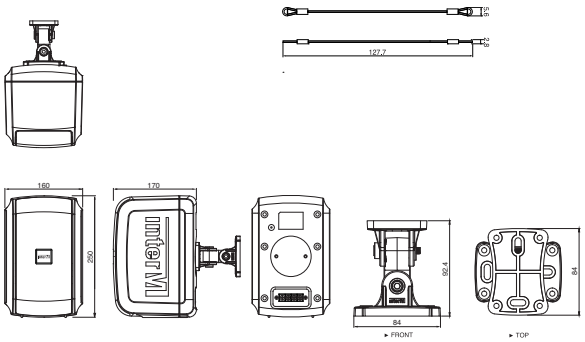
- 2 Way passive fashion speaker
- 120mm (5″) free-edge type Woofer
- 11.5mm (0.45″) dome type Tweeter
- Versatile and Unobtrusive Speaker Designed for a Variety of Applications
- High impedance, low impedance combined circuit (Terminal apply separately)
- Updated water protection circuit is applied using a high-performance network
- Compatible with Optional FSB-3 Bracket
- Safety Wire for additional installation safety

Spec		GS-20
Type		5" 2Way Wall Mount Speaker
Input Power	100V	20W
Impedance	100V	500Ω
	LOW	16Ω
Frequency Response(-10dB)		82Hz ~ 20kHz
Frequency Range (-20%)		59Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		82dB
Maximum SPL[Cont]		95dB
Nominal Dispersion (Conical)	1kHz	221° x 195°
	4kHz	62° x 75°
Weight (Net)		2.62kg
Dimensions (ØWxH)xD)mm		160 x 250 x 170



* Excluding speaker bracket, Compatible with optional FSB-3(B/W) bracket

Dimensions



Wall Speakers

CI-20T/30T(W/B)

12-0031
KS C IEC 60268-5



1 way | 4 | High 100V | IP34 | 20 Watt | 30 Watt

Features

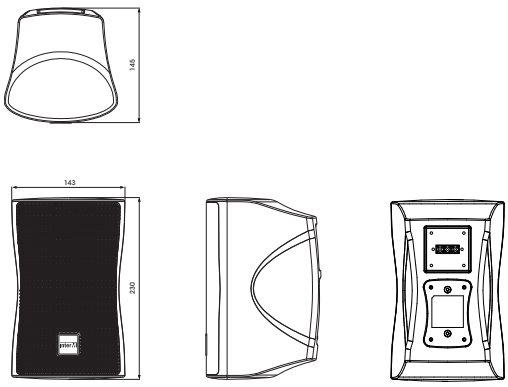
- Black/white version available (including bracket color)
- Unique and completed design
- Compact VENTED enclosure
- 40W / 60W PGM High Power Driver
- Sound quality optimized for music playback & voice delivery
- Adopting over input protection circuit
- Supplying high quality transformer
- Removable bracket for easy installation (load test from Authorized institution completed)
- KS certification
- IP grade: IP34

Spec		CI-20T	CI-30T
Type		4" Full-range Wall Mount Speaker	
Input Power	100V	20W	30W
Impedance	100V	500Ω	333Ω
Frequency Response(-10dB)		94Hz ~ 16kHz	96Hz ~ 20kHz
Frequency Range (-20%)		67Hz ~ 19kHz	70Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		83dB	83dB
Maximum SPL[Cont]		96dB	98dB
Nominal Dispersion (Conical)	1kHz	204° x 206°	205° x 203°
	4kHz	100° x 115°	100° x 110°
Weight (Net)		1.55kg	1.59kg
Dimensions (ØWxH)xD)mm		143 x 230 x 151	143 x 230 x 151



* Excluding speaker bracket, Compatible with optional FSB-3(B/W) bracket

Dimensions



Wall Speakers

IWS-10/10A(I/B)

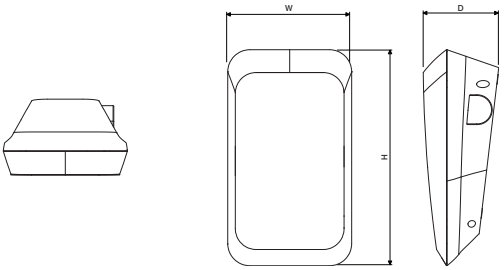




1 way | 6.5 | 10 Watt

Features

- Stylish design
- Adapting high performance unit for sophisticated and rich sound
- Realizing the design with pursuing the modern sense
- Sound volume adjustable with attenuator (IWS-10A)



Spec		IWS-10	IWS-10A
Type		6.5" Full-range Wall Speaker	6.5" Full-range Wall Speaker
Input Power	100V	10/3W	10/3W
Impedance	100V	1k/3.3kΩ	1k/3.3kΩ
Frequency Response(-10dB)		150Hz ~ 15kHz	150Hz ~ 15kHz
Frequency Range (-20%)		120Hz ~ 17.9kHz	120Hz ~ 17.9kHz
Sensitivity (1W/1m, 1kHz)		88dB	88dB
Maximum SPL[Cont]		98dB	98dB
Nominal Dispersion (Conical)	1kHz	180° x 171°	180° x 171°
	4kHz	75° x 100°	75° x 100°
Weight (Net)		1.22kg	1.22kg
Dimensions (Ø(WxH)xD)mm		179 x 312 x 109	179 x 312 x 109

Wall Speakers

SWS-03/03A/10/10A(I/B)





1 way | 6.5 | 3 Watt | 10 Watt

Features

- SWS series offer a break from the conventional 'Box' speaker
- With either 3W or 10W 100V line versions available, these are the idealCHoice for an office environments
- The SWS-03 and SWS-10 are available in an Ivory or brown color
- (A) means "with attenuator"

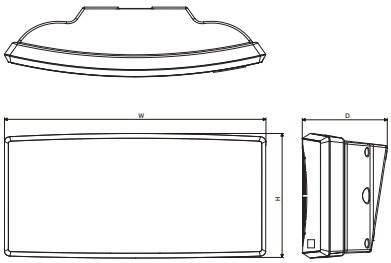
Spec		SWS-03	SWS-03A	SWS-10	SWS-10A
Type		6.5" Full-range Wall Speaker			
Input Power	100V	3/2/1W	3/2/1W	10/5/3W	10/5/3W
Impedance	100V	3.3k/5k/10kΩ	3.3k/5k/10kΩ	1k/2k/3.3kΩ	1k/2k/3.3kΩ
Frequency Response(-10dB)		143Hz ~ 14.7kHz	143Hz ~ 14.7kHz	145Hz ~ 12.6kHz	145Hz ~ 12.6kHz
Frequency Range (-20%)		114Hz ~ 20kHz	114Hz ~ 20kHz	117Hz ~ 17.4kHz	117Hz ~ 17.4kHz
Sensitivity (1W/1m, 1kHz)		88dB	88dB	88dB	88dB
Maximum SPL[Cont]		93dB	93dB	98dB	98dB
Nominal Dispersion (Conical)	1kHz	171° x 131°	171° x 131°	178° x 129°	178° x 129°
	4kHz	50° x 49°	50° x 49°	49° x 49°	49° x 49°
Weight (Net)		1.19kg	1.19kg	1.23kg	1.23kg
Dimensions (Ø(WxH)xD)mm		182 x 274 x 120	182 x 274 x 120	182 x 274 x 120	182 x 274 x 120

WS-203(I/B)/210(I/B)/230(I/B)



Features

- Using high quality enclosure
- highly reliable Indoor speaker
- Convenient installation
- Favorable exterior design
- WS-203/210 : 1way SPK system (adapt SUB-CONE, 6″ Full range)
- WS-230 : 2way SPK system (adapt DOME tweeter, 6″ 2way)

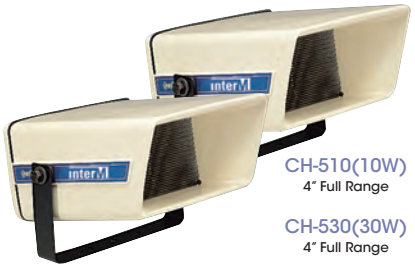


Spec		WS-203	WS-210	WS-230
Type		6.5" Full-range Wall Speaker (Sub Cone)		
Input Power	100V	3/2/1W	10/5/3W	30/20/10W
Impedance	100V	3.3k/5k/10kΩ	1k/2k/3.3kΩ	330/500/1kΩ
Frequency Response(-10dB)		155Hz ~ 20kHz	145Hz ~ 20kHz	135Hz ~ 20kHz
Frequency Range (-20%)		123Hz ~ 20kHz	84Hz ~ 20kHz	99Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		87dB	87dB	89dB
Maximum SPL[Cont]		91dB	96dB	103dB
Nominal Dispersion (Conical)	1kHz	142° x 191°	138° x 190°	148° x 190°
	4kHz	48° x 50°	46° x 46°	51° x °52
Weight (Net)		1.01kg	1.26kg	2.09kg
Dimensions (Ø(WxH)xD)mm		315 x 183 x 103	315 x 183 x 103	315 x 183 x 124

NOTE

Clear Horn Speakers

CH-510/522/530/532

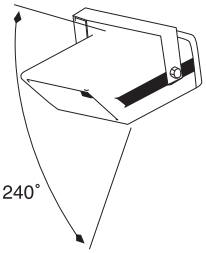


CH-510(10W)
4" Full Range

CH-530(30W)
4" Full Range

CH-522
4" Full Range

CH-532
4" Coaxial Cone



1 way | High 100V | IP54 | 10 Watt | 20 Watt | 30 Watt

Features

- Indoor or outdoor use
- Coaxial-type 2way system
- Wide frequency range with remarkable vocal clarity
- Excellent for public address systems
- Easy installation
- Dispersion control

Spec		CH-510	CH-522	CH-530	CH-532
Type		4" Full-Range Horn Speaker			
Input Power	100V	10/5W	20/10W	30/15W	30/15W
Impedance	100V	2k/1kΩ	500/1kΩ	333/666Ω	330/660Ω
Frequency Response (-10dB)		-	124Hz ~ 15.4kHz	-	139Hz ~ 20kHz
Frequency Range (-20%)		140Hz ~ 12kHz	100Hz ~ 20kHz	110Hz ~ 18kHz	77Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		90dB	88dB	93dB	88dB
Maximum SPL[Cont]		100dB	101dB	108dB	103dB
Norminal Dispersion (Conical)	1kHz	100° x 100°	112° x 202°	100° x 100°	122° x 208°
	4kHz	-	52° x 52°	-	54° x 47°
Weight (Net)		3.3kg	3.3kg	3.4kg	3.37kg
Dimensions (Ø(WxH)xD)mm		294 x 209 x 320	294 x 209 x 320	294 x 209 x 320	294 x 209 x 320

Paging Horn Speakers

HS-20/30/50/30RT/40RT/S20



HS-20 HS-30 HS-50



HS-30RT HS-40RT HS-S20

1 way | High 100V | IP65 | 20 Watt | 30 Watt | 40 Watt | 50 Watt

Spec		HS-20	HS-30	HS-50
Type		Horn Speaker (Circle)		
Input Power	100V	20/10W	30/15W	50/25W
Impedance	100V	500/1kΩ	330/660Ω	200/400Ω
Frequency Response(-10dB)		290Hz ~ 8.3kHz	245Hz ~ 8.5kHz	240Hz ~ 6kHz
Frequency Range (-20%)		268Hz ~ 13.7kHz	220Hz ~ 13kHz	210Hz ~ 12.4kHz
Sensitivity (1W/1m, 1kHz)		96dB	101dB	99dB
Maximum SPL[Cont]		109dB	116dB	116dB
Nominal Dispersion (Conical)	1kHz	113°	90°	82°
	4kHz	29°	26°	38°
Weight (Net)		2.16kg	2.74kg	2.88kg
Dimensions (Ø(WxH)xD)mm		250(Ø) x 280(D)	280(Ø) x 350(D)	320(Ø) x 350(D)

Spec		HS-30RT	HS-40RT
Type		Horn Speaker (Square)	
Input Power	100V	30/15W	40/20W
Impedance	100V	330/660Ω	250/500Ω
Frequency Response(-10dB)		240Hz ~ 6.3kHz	237Hz ~ 6kHz
Frequency Range (-20%)		210Hz ~ 15.4kHz	210Hz ~ 13kHz
Sensitivity (1W/1m, 1kHz)		100dB	99dB
Maximum SPL[Cont]		115dB	115dB
Nominal Dispersion (Conical)	1kHz	84° x 110°	85° x 109°
	4kHz	33° x 27°	36° x 28°
Weight (Net)		2.69kg	2.78kg
Dimensions (Ø(WxH)xD)mm		320 x 210 x 365	320 x 210 x 365

Spec		HS-S20
Type		Horn Speaker (Circle)
Input Power	100V	20/10W
Impedance	100V	500/1kΩ
	LOW	8Ω
		290Hz ~ 9.6kHz
Frequency Range (-20%)		265Hz ~ 16kHz
Sensitivity (1W/1m, 1kHz)		95dB
Maximum SPL[Cont]		108dB
Norminal Dispersion (Conical)	1kHz	225°
	4kHz	39°
Weight (Net)		2.05kg
Dimensions (Ø(WxH)xD)mm		169(Ø) x 280(D)

NOTE

Mini & Music Speaker

MS-80(LT)/100/130/200S/400S



MS-80/80LT | MS-100 | MS-130 | MS-200S | MS-400S

2 way | 5" | 6" | 8" | 10" | 80 Watt | 100 Watt | 130 Watt | 200 Watt | 400 Watt

Features

Sound Quality
- European high-performance bass drive
- Port design is optimized for improved base response
- Crossover design improves performance and output
- Internal protection and filter circuitry
- Eco-friendly sound absorption material reduces acoustic interference

High Performance
- High quality directionality HF driver
- HF driver protection circuitry
- Neutrik speakon connector
- Crossover mounted on aluminum panel for better heat dissipation
- Made with 9 layer 12mm nordic birch
- EASE data available

Easy Installation
- 8 rigging point inserts
- Optional yoke type bracket
- Rotatable logo
- Easy maintenance access
- 1.5T hexagon metal grill optimised for sound
- Speakon and parallel euroblock type connectors

Spec	MS-80LT	MS-80	MS-100	MS-130	MS-200S	MS-400S
Type	2Way Passive Point Source with High-Z	2Way Passive Point Source	2Way Passive Point Source	2Way Passive Point Source	Passive Subwoofer	Passive Subwoofer
Frequency Range (±3dB)	-	117Hz ~ 19kHz	108Hz ~ 20kHz	117Hz ~ 20kHz	30Hz ~ 688Hz	30Hz ~ 688Hz
Frequency Response (-10dB)	60Hz ~ 20kHz	72Hz ~ 20kHz	65Hz ~ 20kHz	81Hz ~ 20kHz	26Hz ~ 837Hz	24Hz ~ 897Hz
Rated Power (AES)	80W	80W	100W	130W	200W	400W
Rated Power (Program)	160W	160W	200W	260W	400W	800W
Rated Power (Peak)	320W	320W	400W	520W	800W	1600W
Recommended Amplifier Power	160W	160W	200W	260W	400W	800W
Sensitivity (1W/1m)	88dB SPL	87dB	91dB	93dB	78dB	81dB
Maximum SPL (Peak)	113dB SPL	112dB	117dB	120dB	107dB	113dB
Nominal Dispersion (H/V)	120° Conical (H/V)	120° Conical (H/V)	90° H/60° V (Rotatable)		OMNI	
Nominal Impedance	8Ω	8Ω	8Ω	8Ω	8Ω	4Ω
Transformer Taps (70V/100V)	100V : 125Ω/250Ω/500Ω/1kΩ/2kΩ, 80W/40W/20W/10W/5W 70V : 62Ω/125Ω/250Ω/500Ω/1kΩ,80W/40W/20W/10W/5W	-	-	-	-	-
LF Driver	5" Woofer	5" Woofer	6" Woofer	8" Woofer	10" Woofer	Dual 10" Woofer
HF Driver	1"Soft Dome Tweeter Titanium	1"Soft Dome Tweeter Titanium	1" Titanium Compression	1" Titanium Compression	-	-
Horn	-	-	90° H/60° V (Rotatable)	90° H/60° V(Rotatable)	-	-
Enclosure Material	15T Eucalyptus	12T Birch Plywood	12T Birch Plywood	12T Birch Plywood	12T Birch Plywood	12T Birch Plywood
Grille	Black powder coated 14 gauge hexagon perforated steel, protection mesh backing/Powder Coated Punching Metal					
Connection	Screw Type Terminal	2×Speakon NL4, 1×4P Euroblock				
Fittings/Suspension	3×M6 inserts	7×M6 inserts	8×M6 inserts	8×M6 inserts	-	-
Finish	Polyurea Coating					
Color	BLACK/WHITE					
Weights (Net)	3.8kg/8.4lb	3.6kg/7.9lb	6.7kg/14.8lb	9.1kg/20.1lb	13kg/28.7lb	21.6kg/47.6lb
Dimensions (Net, WxHxD)	152×250×209.5mm	154×252×212mm	211×375×269mm	245×420×327mm	365×320×435mm	715×320×435mm
Optional Accessories	MSB-80 (U Bracket)	MSB-80 (U Bracket)	MSB-100 (U Bracket)	MSB-130 (U Bracket)	-	-

Professional Loudspeaker

PS-80



2 way · 5" · 80 Watt

Features

- High-quality, high-powered compact installation speaker
- Built-in 170W high-efficiency amplifier
- 2way, 5" woofer & 1" silk dome
- 100-120V, 220-230V selectable power supply
- Adjustable volume level (Line Level, +6 dB)
- Euro block line input connector
- Easy to installation and maintenance (Top/Bottom insert point, Separated panel)
- come with Yoke wall mount bracket
- Natural sound quality
- EASE data available

Spec	PS-80
Type	2Way Powered Point Source
Frequency Response (-10dB)	60Hz ~ 20kHz
Rated Power	80W
Input Sensitivity	4.5dBu
S/N (use A-weighted filter)	More than 95dB
Sensitivity (1W/1m)	88dB SPL
Maximum SPL (Peak)	113dB SPL
Nominal Dispersion (H/V)	120˚ Conical
Nominal Impedance	8Ω
LF Driver	5" Woofer
HF Driver	1" Soft Dome Tweeter Titanium
Horn	Integral Conical Horn with HF
Enclosure Material	12T Birch Plywood
Grille	Black powder coated 14 gauge hexagon perforated steel, protection mesh backing
Environmental	Storage -20~70, ≤90%/Operating -10~40, ≤90%
Connection	1×3P Euroblock, AC Inlet
Fittings/Suspension	7×M6 inserts
Finish	Polyurea Coating
Color	BLACK
Weights (Net)	4.3kg/9.5lb
Dimensions (Net, W×H×D)	160×250×243mm/6.3×9.8×9.5in
Power Input	AC 100-120V or 220-240V 50/60Hz
Optional Accessories	MSB-80 (U Bracket)

Professional Loudspeaker

TE08/10/12/15

NEW

RoHS COMPLIANT



TE08 TE10 TE12 TE15

2 way | 8" | 10" | 12" | 15" | 130 Watt | 160 Watt | 300 Watt | 400 Watt

Features

- Fixed point source speakers with trapezoidal enclosures
- Adopting high power woofer and compression driver, TE series boasts rich tone especially in low band
- Precise covering regardless of horizontal / vertical installation of the enclosure when installed fixed with Rotatable Horn
- 6 or 8 insert points (M10)
- 1 Pole Mount Cup
- Users can use the TE series as main, side-fill, front-fill, balcony speaker, and etc.

Spec	TE08	TE10	TE12	TE15
Type	8" 2Way Passive Point Source	10" 2Way Passive Point Source	12" 2Way Passive Point Source	15" 2Way Passive Point Source
Frequency Range (±3dB)	124Hz ~ 16kHz	113Hz ~ 15kHz	113Hz ~ 16kHz	98Hz ~ 17kHz
Frequency Response (-10dB)	93Hz ~ 18kHz	71Hz ~ 18kHz	48Hz ~ 18kHz	54Hz ~ 19kHz
Rated Power (AES)	130W	160W	300W	400W
Rated Power (Program)	260W	320W	600W	800W
Rated Power (Peak)	520W	640W	900W	1600W
Recommended Amplifier Power	260W	320W	600W	800W
Sensitivity (1W/1m)	93dB	95dB	94dB	95dB
Maximum SPL (Peak)	120dB	123dB	125dB	127dB
Norminal Dispersion	120°×120°	120°×120°	120°×120°	120°×120°
Nominal Impedance	8Ω	8Ω	8Ω	8Ω
Transformer Taps (70V/100V)	-	-	-	-
LF Driver	8" Woofer	10" Woofer	12" Woofer	15" Woofer
HF Driver	1" Twitter	1" Twitter	1" Twitter	1" Twitter
Horn	Round HORN (Square contour)	Round HORN (Square contour)	Round HORN (Square contour)	Round HORN (Square contour)
Enclosure Material	15T MDF	15T MDF	15T MDF	15T MDF
Grille	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating
Connection	Speakon 2p×2	Speakon 2p×2	Speakon 2p×2	Speakon 2p×2
Fittings/Suspension	6×M10 inserts (2×top, 2×bottom, 2×rear), 1point-Pole Cup	6×M10 inserts (2×top, 2×bottom, 2×rear), 1point-Pole Cup	8×M10 inserts (3×top, 3×bottom, 2×rear), 1point-Pole Cup	8×M10 inserts (3×top, 3×bottom, 2×rear), 1point-Pole Cup
Finish	Polyurea Coating	Polyurea Coating	Polyurea Coating	Polyurea Coating
Color	BLACK	BLACK	BLACK	BLACK
Weights (Net)	10.9kg/24lb	13.5kg/29.7lb	21.4kg/47.1lb	25.4kg/55.9lb
Dimensions (Net, W×H×D)	☒276×435×285mm/10.9×17.1×11.2in	329x482x356mm/13×19×14in	371x582x400mm/14.6×22.9×15.7in	443x632x450mm/17.4×24.9×17.7in
Optional Accessories	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)

Professional Loudspeaker

HE08/10/12/15

NEW

RoHS COMPLIANT



HE08 HE10 HE12 HE15

2 way | 8" | 10" | 12" | 15" | 200 Watt | 250 Watt | 400 Watt | 500 Watt

Features

- Multipurpose Point Source Speakers with Hexagonal Enclosure
- High performance compression driver and high power woofer
- Covering precisely regardless of horizontal / vertical installation of the enclosure when installed fixed with Rotatable Horn
- The HE series can cover both long-distance and short-distance audiences with Asymmetric Horn H: 70° (narrow) ~ 110° (wide), V: 30° (up)~45° (down)
- 8 or 12 insert points (M10)
- 1 Pole Mount Cup
- Users can use the HE series as main, side-fill, front-fill, balcony speaker, and etc.

Spec	HE08	HE10	HE12	HE15
Type	8" 2Way Passive Point Source	10" 2Way Passive Point Source	12" 2Way Passive Point Source	15" 2Way Passive Point Source
Frequency Range (±3dB)	130Hz ~ 16kHz	130Hz ~ 16kHz	107Hz ~ 19kHz	108Hz ~ 17kHz
Frequency Response (-10dB)	95Hz ~ 20kHz	94Hz ~ 20kHz	51Hz ~ 20kHz	52Hz ~ 20kHz
Rated Power (AES)	200W	250W	400W	500W
Rated Power (Program)	400W	500W	800W	1000W
Rated Power (Peak)	800W	1000W	1600W	2000W
Recommended Amplifier Power	400W	500W	800W	1000W
Sensitivity (1W/1m)	93dB	96dB	94dB	97dB
Maximum SPL (Peak)	122dB	126dB	126dB	130dB
Norminal Dispersion	70°(narrow)~110°(wide)H/30°(up) ~ 45°(down)V			
Nominal Impedance	8Ω	8Ω	8Ω	8Ω
Transformer Taps (70V/100V)	-	-	-	-
LF Driver	8" Woofer	10" Woofer	12" Woofer	15" Woofer
HF Driver	1" Twitter	1" Twitter	1" Twitter	1" Twitter
Horn	Asymmetrical Horn (Rotatable)	Asymmetrical Horn (Rotatable)	Asymmetrical Horn (Rotatable)	Asymmetrical Horn (Rotatable)
Enclosure Material	15T MDF	15T MDF	15T MDF	15T MDF
Grille	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating
Connection	Speakon 2p×2	Speakon 2p×2	Speakon 2p×2	Speakon 2p×2
Fittings/Suspension	8×M10 inserts (2×top, 2×bottom, 2×left, 2×right), 1point-Pole Cup	8×M10 inserts (2×top, 2×bottom, 2×left, 2×right), 1point-Pole Cup	12×M10 inserts (3×top, 3×bottom, 2×rear, 2×left, 2×right), 1point-Pole Cup	12×M10 inserts (3×top, 3×bottom, 2×rear, 2×left, 2×right), 1point-Pole Cup
Finish	Polyurea Coating	Polyurea Coating	Polyurea Coating	Polyurea Coating
Color	BLACK	BLACK	BLACK	BLACK
Weights (Net)	13.5kg/29.7lb	17.5kg/38.5lb	26.4kg/58.2lb	31.5kg/69.4lb
Dimensions (Net, W×H×D)	260×410×260mm/10.2×16.1×10.2in	330×480×330mm/13×18.9×13in	380×570×380mm/15×22.4×15in	450×640×450mm/17.7×25.2×17.7in
Optional Accessories	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)

Professional Loudspeaker

PE08(L/R)/10(L/R)/12(L/R)/15(L/R)

NEW

RoHS COMPLIANT



PE08(L/R)



PE10(L/R)



PE12(L/R)



PE15(L/R)

2 way | 8" | 10" | 12" | 15" | 250 Watt | 300 Watt | 500 Watt | 600 Watt

Features

- High-quality multipurpose point source speaker with pentagonal enclosure
- L / R version and powered version is provided according to installation direction
- High-quality compression driver and high-power woofer
- Covering precisely regardless of horizontal / vertical installation of the enclosure when installed fixed with Rotatable Horn
- The PE Series can cover both long-distance and short-distance audiences with Asymmetric Horn H : 70°(narrow)~110°(wide), V :30°(up)~45°(down)
- 8 or 12 insert points (M10)
- 1 Pole Mount Cup (2 Point)
- Users can use the PE series as main, side-fill, front-fill, balcony speaker, stage monitor and etc.

Spec	PE08(L/R)	PE10(L/R)	PE12(L/R)	PE15(L/R)
Type	8" 2Way Passive Point Source	10" 2Way Passive Point Source	12" 2Way Passive Point Source	15" 2Way Passive Point Source
Frequency Range (±3dB)	124Hz ~ 17kHz	117Hz ~ 17kHz	119Hz ~ 16kHz	104Hz ~ 17kHz
Frequency Response (-10dB)	63Hz ~ 20kHz	67Hz ~ 20kHz	61Hz ~ 19kHz	53Hz ~ 20kHz
Rated Power (AES)	250W	300W	500W	600W
Rated Power (Program)	500W	600W	1000W	1200W
Rated Power (Peak)	1000W	1200W	2000W	2400W
Recommended Amplifier Power	500W	600W	1000W	1200W
Sensitivity (1W/1m)	92dB	94dB	95dB	95dB
Maximum SPL (Peak)	122dB	125dB	128dB	129dB
Norminal Dispersion	70°(narrow)~110°(wide)H/30°(up) ~ 45°(down)V			
Nominal Impedance	8Ω	8Ω	8Ω	8Ω
Transformer Taps (70V/100V)	-	-	-	-
LF Driver	8" Woofer	10" Woofer	12" Woofer	15" Woofer
HF Driver	1" Twitter	1" Twitter	1" Twitter	1" Twitter
Horn	Asymmetrical Horn (Rotatable)	Asymmetrical Horn (Rotatable)	Asymmetrical Horn (Rotatable)	Asymmetrical Horn (Rotatable)
Enclosure Material	15T Birch Plywood	15T Birch Plywood	15T Birch Plywood	15T Birch Plywood
Grille	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating	EGI 1.5T/Powder Coating
Connection	Speakon 2p×2	Speakon 2p×2	Speakon 2p×2	Speakon 2p×2
Fittings/Suspension	10×M10 inserts (2×top, 2×bottom, 2×rear, 2×left, 2×right), 2point-Pole Cup	10×M10 inserts (2×top, 2×bottom, 2×rear, 2×left, 2×right), 2point-Pole Cup	12×M10 inserts (3×top, 3×bottom, 2×rear, 2×left, 2×right), 2point-Pole Cup	12×M10 inserts (3×top, 3×bottom, 2×rear, 2×left, 2×right), 2point-Pole Cup
Finish	Polyurea Coating	Polyurea Coating	Polyurea Coating	Polyurea Coating
Color	BLACK	BLACK	BLACK	BLACK
Weights (Net)	11.9kg/26.2lb	15.3kg/33.8lb	23.4kg/51.5lb	29kg/63.9lb
Dimensions (Net, W×H×D)	268×450×258mm/10.6×17.7×10.2in	307×490×289mm/12.1×19.3×11.4in	355×572×338mm/14×22.5×13.3in	425×644×403mm/16.7×25.4×15.9in
Optional Accessories	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)

SE-8K/8T/10K/10T/12K/15K



SE-8K/8T SE-10K/10T SE-12K SE-15K

Features

- USA driver
- MDF 15T Enclosure
- Flying by M8 eyebolt, fix and moving installation by hole (wall mounted bracket SB-30HA)
- Uniform sound distribution over distance with its 90° horizontal 60° vertical directivity
- Culture, athletic, education facilities or federal government office (sound or small and midsize music event), main/sub/center speaker)
- EASE data available

Spec	SE-8K	SE-8T	SE-10K	SE-10T	SE-12K	SE-15K
Type	2Way Passive Point Source	2Way Passive Point Source with High-Z	2Way Passive Point Source	2Way Passive Point Source with High-Z	2Way Passive Point Source	2Way Passive Point Source
Frequency Range (±3dB)	120Hz ~ 20kHz	120Hz ~ 20kHz	95Hz ~ 20kHz	95Hz ~ 20kHz	98Hz ~ 20kHz	95Hz ~ 20kHz
Frequency Response (-10dB)	85Hz ~ 20kHz	85Hz ~ 20kHz	69Hz ~ 20kHz	69Hz ~ 20kHz	73Hz ~ 20kHz	62Hz ~ 20kHz
Rated Power (AES)	125W	125W	150W	150W	250W	300W
Rated Power (Program)	250W	250W	300W	300W	500W	600W
Rated Power (Peak)	500W	500W	600W	600W	1000W	1200W
Recommended Amplifier Power	250W	250W	300W	300W	500W	600W
Sensitivity (1W/1m)	89dB	89dB	92dB	92dB	96dB	97dB
Maximum SPL (Peak)	116dB	116dB	120dB	120dB	125dB	127dB
Nominal Dispersion	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)
Nominal Impedance	8Ω	8Ω	8Ω	8Ω	8Ω	8Ω
Transformer Taps (70V/100V)	-	100V : 80Ω, 125W/70V : 80Ω, 65W	-	100V : 67Ω, 150W/70V : 67Ω, 75W	-	-
LF Driver	8" Vented Woofer		10" Vented Woofer		12" Vented Woofer	15" Vented Woofer
HF Driver	1" Titanium Compression	1" Titanium Compression	1" Titanium Compression	1" Titanium Compression	1" Titanium Compression	1" Titanium Compression
Horn	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)	90° H/60° V (Rotatable)
Enclosure Material	15T MDF	15T MDF	15T MDF	15T MDF	15T MDF	15T MDF
Grille	Black powder coated 16 gauge hexagon perforated steel, protection mesh backing/Powder Coated Punching Metal					
Connection	1×Speakon NL4, 1×Push terminal	2×Speakon NL4, Selector Switch	1×Speakon NL4, 1×Push terminal	2×Speakon NL4, Selector Switch	1×Speakon NL4, 1×Push terminal	
Fittings/Suspension	6×M8 inserts (2×top, 2×bottom, 2×rear)				8×M8 inserts (3×top, 3×bottom, 2×rear), Pole Cup	
Finish	Textured black RoHS compliant paint/WATER-BORNE PAINTING					
Color	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK
Weights (Net)	9.1kg/20.1lb	10.4kg/22.9lb	10.9kg/24lb	12.8kg/28.2lb	15.7kg/34.6lb	20.9kg/46.1lb
Dimensions (Net, W×H×D)	278×410×300mm	278×410×300mm	330×480×360mm	330×480×360mm	380×550×400mm	450×630×450mm
Optional Accessories	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)

Professional Loudspeaker

SQ-8T/10T



SQ-8T



SQ-10T

Features

- USA driver
- MDF 15T Enclosure
- HV2A (Horizontal Vertical Variable Angle) rotatable Horn
- Vertical angle (upward +30°, downward -45°)
- Available to use as Stage monitor configuration (ROTATABLE HORN)
- Installable to lower balcony (ROTATABLE HORN)
- Flying by M8 eyebolt, Installation/ Touring speakers by Pole Cup (Wall mounted bracket : SB-30HA)
- Culture, athletic, education facilities or federal government office (sound or small and midsize music event), main/sub/center Speakers
- EASE data available

Spec	SQ-8T	SQ-10T
Type	2Way Passive Point Source with High-Z	2Way Passive Point Source with High-Z
Frequency Range (±3dB)	110Hz ~ 20kHz	104Hz ~ 20kHz
Frequency Response (-10dB)	71Hz ~ 20kHz	80Hz ~ 20kHz
Rated Power (AES)	150W	250W
Rated Power (Program)	300W	500W
Rated Power (Peak)	600W	1000W
Recommended Amplifier Power	300W	500W
Sensitivity (1W/1m)	92dB	94dB
Maximum SPL (Peak)	120dB	124dB
Nominal Dispersion (H/V)	70° (narrow) ~ 110° (wide)H/30° (up) ~ 45° (down)V	70° (narrow) ~ 110° (wide)H/30° (up) ~ 45° (down)V
Nominal Impedance	8Ω	8Ω
Transformer Taps (70V/100V)	100V : 67Ω, 150W/70V : 67Ω, 75W	100V : 40Ω, 250W/70W : 40Ω, 125W
LF Driver	8" Woofer	10" Woofer
HF Driver	1" Titanium Compression	1.35" Titanium Compression
Horn	Asymmetrical Horn (Rotatable)	Asymmetrical Horn (Rotatable)
Enclosure Material	15T MDF	15T MDF
Grille	Black powder coated 16 gauge hexagon perforated steel, protection mesh backing/Powder	Black powder coated 16 gauge hexagon perforated steel, protection mesh backing/Powder
Connection	2×Speakon NL4, Selector Switch	2×Speakon NL4, Selector Switch
Fittings/Suspension	9×M8 inserts (2×top, 2×bottom, 1×rear, 2×left, 2×right)	9×M8 inserts (2×top, 2×bottom, 1×rear, 2×left, 2×right)
Finish	Textured black RoHS compliant paint/WATER-BORNE PAINTING	Textured black RoHS compliant paint/WATER-BORNE PAINTING
Color	BLACK	BLACK
Weights (Net)	12.3kg/27.1lb	14.1kg/31lb
Dimensions (Net, W×H×D)	270×450×258mm	312×490×294mm
Optional Accessories	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)

Professional Loudspeaker

IX8/12/15



IX8



IX12



IX15

Features

- EMINENCE High-Quality Woofer
- Ultra-small, ultra-light, high-powered, portable speaker
- Wide coverage and rich sound
- Horn driver protection circuitry and crossover network
- High-strength ABS injection molded port enclosure
- High-density sound-absorbing materials suppression of the internal resonance
- Ultra-light enclosure for portable or fixed install
- Stand mounted with built in pole socket

Spec	IX8	IX12	IX15
Type	2Way Passive Point Source	2Way Passive Point Source	2Way Passive Point Source
Frequency Range (±3dB)	124Hz ~ 10kHz	84Hz ~ 17kHz	71Hz ~ 17kHz
Frequency Response (-10dB)	84Hz ~ 20kHz	59Hz ~ 20kHz	57Hz ~ 20kHz
Rated Power (AES)	125W	200W	300W
Rated Power (Program)	250W	400W	600W
Rated Power (Peak)	500W	800W	1200W
Recommended Amplifier Power	250W	400W	600W
Sensitivity (1W/1m)	95dB	94dB	93dB
Maximum SPL (Peak)	123dB	123dB	124dB
Nominal Dispersion (H/V)	80° H/50° V	60° H/50° V	60° H/50° V
Nominal Impedance	8Ω	8Ω	8Ω
Transformer Taps (70V/100V)	-	-	-
LF Driver	8" Vented Woofer	12" Vented Woofer	15" Vented Woofer
HF Driver	1" Polyester Compression	1" Polyester Compression	1" Polyester Compression
Horn	Molding Waveguide	Molding Waveguide	Molding Waveguide
Enclosure Material	ABS	ABS	ABS
Grille	Powder Coated Punching Metal	Powder Coated Punching Metal	Powder Coated Punching Metal
Connection	2×Speakon NL4	2×Speakon NL4, 1×2P Screw Terminal	2×Speakon NL4
Fittings/Suspension	Pole Cup with Locking Screw Socket, 4×Molded Feet	Pole Cup with Locking Screw Socket, 4×Molded Feet, 2×Point for Eyebolt	
Color	GRAY	GRAY	GRAY
Weights (Net)	6.4kg/14.1lb	15.5kg/34.2lb	19.6kg/43.2lb
Dimensions (Net, W×H×D)	270×430×260mm/10.6×16.9×10.2in	424×640×342mm/16.7×25.5×13.5in	480×710×384mm/18.9×28×15.1in

Professional Loudspeaker

IX8H/8HT/12H/15H

11-0646
KS C IEC 60268-5

RoHS COMPLIANT



IX8H/8HT



IX12H



IX15H

2 way | 70V 100V | 8" | 12" | 15" | 225 Watt | 425 Watt | 625 Watt

Features

- EMINENCE High-quality woofer
- Ultra-small, Ultra-light, High-powered, Portable speaker
- Wide coverage and rich sound
- Horn driver protection circuitry and crossover network
- High-strength ABS injection molded port enclosure
- High-density sound-absorbing materials suppression of the internal resonance
- Ultra-light enclosure for portable or fixed install
- Stand mounted with built in pole socket

Spec	IX8H	IX8HT	IX12H	IX15H
Type	2Way Passive Point Source	2Way Passive Point Source with High-Z	2Way Passive Point Source	2Way Passive Point Source
Frequency Range (±3dB)	128Hz ~ 20kHz	-	99Hz ~ 13kHz	99Hz ~ 10kHz
Frequency Response (-10dB)	86Hz ~ 20kHz	60Hz ~ 20kHz	67Hz ~ 20kHz	62Hz ~ 13kHz
Rated Power (AES)	225W	225W	425W	625W
Rated Power (Program)	450W	450W	850W	1250W
Rated Power (Peak)	900W	900W	1700W	2500W
Recommended Amplifier Power	450W	450W	950W	1250W
Sensitivity (1W/1m)	95dB	99dB SPL	96dB	98dB
Maximum SPL (Peak)	125dB	128dB SPL	128dB	132dB
Nominal Dispersion (H/V)	80° H/50° V	80° H/50° V	60° H/50° V	60° H/50° V
Nominal Impedance	8Ω	8Ω	8Ω	8Ω
Transformer Taps (70V/100V)	-	100V : 44.4Ω, 225W/70V : 44.4Ω, 115W	-	-
LF Driver	8" High Power Vented Woofer	8" High Power Vented Woofer	12" High Power Vented Woofer	15" High Power Vented Woofer
HF Driver	1.3" Titanium Compression	1.3" Titanium Compression	1" Ketone Polymer Compression	1" Polyester Compression
Horn	Molding Waveguide	Molding Waveguide	Molding Waveguide	Molding Waveguide
Enclosure Material	ABS	ABS	ABS	ABS
Grille	Powder Coated Punching Metal	Powder Coated Punching Metal	Powder Coated Punching Metal	Powder Coated Punching Metal
Connection	2×Speakon NL4	2×Speakon NL4, 1×2P Screw Terminal	2×Speakon NL4	2×Speakon NL4
Fittings/Suspension	Pole Cup with Locking Screw Socket, 4×Molded Feet	Pole Cup with Locking Screw Socket, 4×Molded Feet	Pole Cup with Locking Screw Socket, 4×Molded Feet, 2×Point for Eyebolt	Pole Cup with Locking Screw Socket, 4×Molded Feet, 2×Point for Eyebolt
Color	GRAY	GRAY	GRAY	GRAY
Weights (Net)	7.9kg/17.4lb	9.5kg/20.9lb	17.8kg/39.2lb	24kg/52.9lb
Dimensions (Net, W×H×D)	270×430×260mm/10.6×16.9×10.2in	270×430×260mm/10.6×16.9×10.2in	424×640×342mm/16.7×25.5×13.5in	480×710×384mm/18.9×28×15.1in
Optional Accessories	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)	SB-30HA (Wall Bracket)

Professional Coaxial Monitor System

CMM-12K/15K



CMM-12K



CMM-15K

Features

- 2way coaxial stage monitor for touring applications
- Switchable passive/bi-amp operation for flexibility of use
- Rugged powder coated perforated steel mesh grille
- Floor stand mounting & rigging points
- Multi-angle enclosure design
- Neutrik speakON* NL4 connectors

Spec	CMM-12K	CMM-15K
Type	Coaxial 2Way Passive Stage Monitor	Coaxial 2Way Passive Stage Monitor
Frequency Range (±3dB)	127Hz ~ 19.2kHz	97Hz ~ 15.1kHz
Frequency Response (-10dB)	70Hz ~ 20kHz	62Hz ~ 20kHz
Rated Power (AES)	350W	450W
Rated Power (Program)	700W	900W
Rated Power (Peak)	1400W	1800W
Recommended Amplifier Power	700W	900W
Sensitivity (1W/1m)	97dB SPL	97dB SPL
Maximum SPL (Peak)	128dB SPL	129dB SPL
Nominal Dispersion (H/V)	80° Conical	80° Conical
Nominal Impedance	8Ω	8Ω
LF Driver	12" Precision for Coaxial cable Woofer	15" Precision for Coaxial cable Woofer
HF Driver	2" Polyester/Titanium	2" Polyster/Titanium
Enclosure Material	18T Birch Plywood	18T Birch Plywood
Grille	Black powder coated 14 gauge hexagon perforated steel, protection mesh backing	
Connection	2×Speakon SP4	2×Speakon SP4
Fittings/Suspension	12 Point M8 inserts (3-top, 3-bottom, 2-rear, 2-left, 2-right)	12 Point M8 inserts (3-top, 3-bottom, 2-rear, 2-left, 2-right)
Finish	Polyurea Coating	Polyurea Coating
Color	BLACK	BLACK
Weights (Net)	20.7kg/45.6lb	26.1kg/57.5lb
Dimensions (Net, W×H×D)	508×408×393mm/20×16.1×15.5in	590×480×489mm/23.2×18.9×19.3in

Professional Linearray Speaker System

NLA-5/15S, NLA-5 FRAME

RoHS COMPLIANT



NLA-5



NLA-15S



NLA-5 FRAME



Line-Array

2 way | 1 way | 5" | 15" | 150 Watt | 600 Watt

Features (NLA-5)

- 2 way Passive configuration
- 2 x 5" durable low frequency drivers
- 1 x 1" low distortion Titanium HF compression drivers
- 90 degree forward-oriented Horn
- 3 vertical beam angle adjustment (0, 5 and 10 degrees)
- Up to 8 cabinet rigging (5: 1 safety factor)
- EASE data available

Features (NLA-15S)

- High quality drivers
- Compact acoustical enclosure
- Solid and precise rigging system
- Rugged enclosure-VOID FREE
- Built-in advanced crossover network
- EASE data available

Spec	NLA-5	NLA-15S
Type	2Way Passive Line Array	Line Array Subwoofer
Frequency Range (±3dB)	122Hz ~ 20kHz	67Hz ~ 2.8kHz
Frequency Response (-10dB)	81Hz ~ 20kHz	28Hz ~ 3.5kHz
Rated Power (AES)	150W	600W
Rated Power (Program)	300W	1200W
Rated Power (Peak)	600W	2400W
Recommended Amplifier Power	300W	1200W
Sensitivity (1W/1m)	92dB	99dB
Maximum SPL (Peak)	120dB SPL	133dB
Nominal Dispersion (H/V)	90° H/10° V	OMNI
Nominal Impedance	16 Ω	8 Ω
Crossover Point	1,400Hz, 24dB/oct, LR Filter	100Hz, 24dB/oct, LR Filter
LF Driver	2×5" Woofer	15" Single Woofer
HF Driver	1" Throat / 1.4" Voice Coil Diameter	-
Horn	Constant directivity horn with Precision waveguide	-
Enclosure Material	15T Eucalyptus	15T Eucalyptus
Grille	Powder Coated Punching Metal	Powder Coated Punching Metal
Connection	2×Speakon SP4	2×Speakon SP4
Fittings/Suspension	4 Point Flying Rigging 0° ~ 10° variable angle (5°step), Bolt type 0° ~ 10° variable angle (1°step), Pin type	4 Point Flying Rigging (Bolt/Pin type)
Finish	Textured black RoHS compliant paint	Textured black RoHS compliant paint
Color	BLACK/WHITE	BLACK/WHITE
Weights (Net)	11.4kg/25.1lb	31.9kg/70.3lb
Dimensions (Net, W×H×D)	477×170×364mm/18.8×6.7×14.3in	477×505×741mm/18.8×19.9×29.2in
Optional Accessories	NLA-5 Frame (Bolt/Pin type)	NLA-5 Frame (Bolt/Pin type)

Professional Linearray Speaker System

NLA-8/18S, NLA-8 FRAME



NLA-8



NLA-18S



NLA-8 FRAME



Line-Array



Features (NLA-8)

- 2 way Bi-amp configuration
- Compact acoustical enclosure
- Solid and precise rigging system
- Rugged enclosure-VOID FREE
- Built-in advanced crossover network
- EASE data available

Features (NLA-18S)

- High quality drivers
- Compact acoustical enclosure
- Solid and precise rigging system
- Rugged enclosure-VOID FREE
- Built-in advanced crossover network
- EASE data available

Spec	NLA-8	NLA-18S
Type	2Way Bi-amp Line Array	Line Array Subwoofer
Frequency Range (±3dB)	150Hz ~ 19.4kHz	37Hz ~ 2kHz
Frequency Response (-10dB)	62Hz ~ 20kHz	30Hz ~ 3kHz
Rated Power (AES)	LF : 440W/HF : 60W	800W
Rated Power (Program)	LF : 880W/HF : 120W	1600W
Rated Power (Peak)	LF : 1760W/HF : 240W	3200W
Recommended Amplifier Power	LF : 900W/HF : 120W	1500W
Sensitivity (1W/1m)	LF : 98dB SPL/HF : 104dB SPL	98dB
Maximum SPL (Peak)	LF : 124dB SPL/HF : 122dB SPL	133dB
Nominal Dispersion (H/V)	90° H/10° V	OMNI
Nominal Impedance	LF: 16 Ω/HF: 16 Ω	8 Ω
Crossover Point	1,400Hz, 24dB/oct, LR Filter	100Hz, 24dB/oct, LR Filter
LF Driver	2×8" Woofer (EMINENCE USA)	18" Single Woofer (EMINENCE OMEGA PRO)
HF Driver	2 x 1" Throat / 2 x 1.4" Voice Coil Diameter (B&C)	-
Horn	Constant directivity horn with Precision waveguide	-
Enclosure Material	15T Eucalyptus	15T Eucalyptus
Grille	Powder Coated Punching Metal	Powder Coated Punching Metal
Connection	2×Speakon SP4 (1+,1- : LF/2+,2- : HF) [Parallel]	2×Speakon SP4
Fittings/Suspension	4 Point Flying Rigging 0° ~ 10° variable angle (1°step), Bolt/Pin type	4 Point Flying Rigging (Bolt/Pin Type)
Finish	Textured black RoHS compliant paint	Textured black RoHS compliant paint
Color	BLACK/WHITE	BLACK/WHITE
Weights (Net)	24.4kg/53.8lb	46.7kg/103lb
Dimensions (Net, W×H×D)	694×256×486mm/27.3×10.1×19.1in	694×520×870mm/27.3×20.5×34.3in
Optional Accessories	NLA-8 Frame (Bolt/Pin type)	NLA-8 Frame (Bolt/Pin type)

Professional Linearray Speaker System

CLA-5K/15SK, CLA-5K FRAME



CLA-5K



CLA-15SK



CLA-5K FRAME



Line-Array

2 way | 1 way | 5" | 15" | 160 Watt | 600 Watt

Features (CLA-5K)

- High quality drivers
- Phase plug
- Rugged enclosure
- Compact Size Enclosure
- Integrated rigging system for suspending or ground stack with CLA-15SK

Features (CLA-15SK)

- High quality drivers
- Rugged enclosure
- Compact Size Enclosure

Spec	CLA-5K	CLA-15SK
Type	2Way Bi-amp Compact Line Array Speaker	Line Array Subwoofer
Frequency Range (±3dB)	125Hz ~ 17kHz	67Hz ~ 2.8kHz
Frequency Response (-10dB)	75Hz ~ 20kHz	28Hz ~ 3.5kHz
Rated Power (AES)	LF : 160W/HF : 25W	600W
Rated Power (Program)	LF : 320W/HF : 50W	1200W
Rated Power (Peak)	LF : 640W/HF : 100W	2400W
Recommended Amplifier Power	LF : 320W/HF : 50W	1200W
Sensitivity (1W/1m)	LF : 93dB/HF : 105dB	99dB
Maximum SPL (Peak)	LF : 118dB/HF : 122dB	133dB
Nominal Dispersion (H/V)	90° H/10° V	OMNI
Nominal Impedance	LF : 16Ω/HF : 8Ω	8Ω
Crossover Point	2,000Hz, 24dB/oct, LR Filter	150Hz, 24dB/oct, LR Filter
LF Driver	2×5" Woofer	15" Single Woofer
HF Driver	1" Throat / 1.4" Voice Coil Diameter	-
Horn	Constant directivity horn with Precision waveguide	-
Enclosure Material	15T Birch Plywood	15T Birch Plywood
Grille	Black powder coated 14 gauge hexagon perforated steel, protection mesh backing	
Connection	2×Speakon SP4 (1+,1- : LF/2+,2- : HF) [Parallel]	2×Speakon SP4
Fittings/Suspension	4 Point Flying Rigging 0° ~ 10° variable angle (1° step)	4 Point Flying Rigging
Finish	Polyurea Coating	Polyurea Coating
Color	BLACK/WHITE	BLACK/WHITE
Weights (Net)	13.2kg/29.1lb	36.3kg/80.0lb
Dimensions (Net, W×H×D)	477×170×364mm/18.8×6.7×14.3in	477×505×741mm/18.8×19.9×29.2in
Optional Accessories	CLA-5K Frame	CLA-5K Frame

Professional Linearray Speaker System

CLA-8K/18SK, CLA-8K FRAME



CLA-8K



CLA-18SK



CLA-8K FRAME



Line-Array

2 way | 1 way | 8" | 18" | 450 Watt | 800 Watt

Features (CLA-8K)

- High quality drivers
- Phase plug
- Rugged enclosure
- Compact Size Enclosure
- Integrated rigging system for suspending or ground stack with CLA-18SK

Features (CLA-18SK)

- High quality drivers
- Rugged enclosure
- Compact Size Enclosure

Spec	CLA-8K	CLA-18SK
Type	2Way Bi-amp Compact Line Array Speaker	Line Array Subwoofer
Frequency Range (±3dB)	150Hz ~ 20kHz	37Hz ~ 2kHz
Frequency Response (-10dB)	103Hz ~ 20kHz	30Hz ~ 3kHz
Rated Power (AES)	LF : 450W/HF : 60W	800W
Rated Power (Program)	LF : 900W/HF : 120W	1600W
Rated Power (Peak)	LF : 1800W/HF : 240W	3200W
Recommended Amplifier Power	LF : 900W/HF : 120W	1600W
Sensitivity (1W/1m)	LF : 98dB SPL/HF : 105dB SPL	98dB
Maximum SPL (Peak)	LF : 130dB SPL/HF : 128dB SPL	133dB
Nominal Dispersion (H/V)	90° H/10° V	OMNI
Nominal Impedance	LF : 16Ω/HF : 16Ω	8Ω
Crossover Point	1,400Hz, 24dB/oct, LR Filter	100Hz, 24dB/oct, LR Filter
LF Driver	2×8" Woofer	18" Single Woofer
HF Driver	2 x 1" Throat / 2 x 1.4" Voice Coil Diameter (B&C)	-
Horn	Constant directivity horn with Precision waveguide	-
Enclosure Material	15T Birch Plywood	15T Birch Plywood
Grille	Black powder coated 14 gauge hexagon perforated steel, protection mesh backing	
Connection	2×Speakon SP4 (1+,1- : LF/2+,2- : HF) [Parallel]	2×Speakon SP4
Fittings/Suspension	4 Point Flying Rigging 0° ~ 10° variable angle (1° step)	4 Point Flying Rigging
Finish	Polyurea Coating	Polyurea Coating
Color	BLACK/WHITE	BLACK/WHITE
Weights (Net)	26.7kg/58.9lb	45kg/99.2lb
Dimensions (Net, W×H×D)	694×256×486mm/27.3×10.1×19.1in	694×520×870mm/27.3×20.5×34.3in
Optional Accessories	CLA-8K Frame	CLA-8K Frame

Commonness

Attenuator

ATT-03/30/BOX





Features

- Four-step level control
- Switch-plate-mounted attenuator unit
- Attractive, modern design
- Simple installation
- Screwless terminal block for easy installing
- Steel box for ATT-03 / 30 (Attenuator Box)

Spec		ATT-03	ATT-30
Rated Power		3W	30W
Application		2~3W	7~30W
Input Impedance (Reference Voltage 100V)		5kΩ~3.3kΩ	1.4kΩ~330Ω
Volume Control		4 STEP SW (-∞, -10, -4, 0dB)	4 STEP SW (-∞, -12, -6, 0dB)
Method		Resistor	Transformer
Material	Plate	SECC 1.0T	
	Front Cover	ABS	
Weight		112g / 0.24lb	196g / 0.43lb
Dimensions (W × H × D)		68 × 120 × 38mm / 2.68 x 4.72 x 1.5in	

Wall Volume Controller

VCA-100

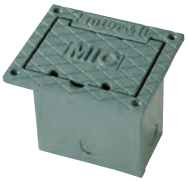


Features

- VCA (Voltage Control Amplifier) is circuit whose volume is set by the voltage level of a control signal, and allows controlling the remote volume without noise by using the VCA control
- Compact size wall mounted type
- Support two amplifierCHannels
- Connection available product :
  DSA-100DV
  MA-206/212/224
  MA-206U/212U/224U
  PMU-60/120/240/360/480/600
  PMU-60N/120N/240N/360N/480N/600N
- Weight : 71g / 0.16lb
- Dimensions (W×H×D) : 69.8 x 114.3 x 33mm / 2.75 x 4.5 x 1.3in

Mic Jack Box/Mic Stand

MJ-01, TS-1, FS-3, BS-4



MJ-01


TS-1(B/I)


FS-3


BS-4

Features

MJ-01
- CONNECTION BOX for mounting MIC connector on wall or floor
- Easy to install MIC cable with door on the front panel
- Install with 1/4″ PHONE JACK 3EA
- Perforated Size (ø) : 125 x 75mm
- Weight : 1.1kg / 2.4lb

TS-1(B/I)
- Square table type stand

FS-3/BS-4
- Coating way adoption to prevent discoloration and deterioration

Gooseneck Base Stand/Speaker Bracket

RM-01BS, RMC-01BS, SB-30HA, WS-BKT


RM-01BS


RMC-01BS


SB-30HA


K-BKT-15/30


U-BKT-30/50/80

Features

RM-01BS
- BASE STAND FOR MC-01/ RM-01, TALK ON/OFF SWITCH

RMC-01BS
- BASE STAND FOR CMC-01/ RMC-01, TALK ON/OFF SWITCH

SB-30HA
- Speaker Bracket (maximum 30kg / 66.14lb)

WS BKT(W/B)
- K-BKT-15 : 43.52(W) × 76.3(H) × 53.6(D)mm (for WS-15T)
- K-BKT-30 : 84(W) × 81(H) × 73.5(D)mm (for WS-30T/50T/80T)
- U-BKT-30 : 45(W) × 108(H) × 213(D)mm (for WS-30T)
- U-BKT-50 : 45(W) × 126(H) × 252(D)mm (for WS-50T)
- U-BKT-80 : 45(W) × 158(H) × 312(D)mm (for WS-80T)

Speaker Bracket

FSB-3



*2Color : White / Black

Application Type



•FS-30N/52N/60N/100N(B/W)



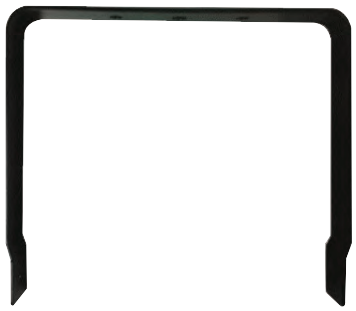
•CI-20T/30T(B/W)



•GS-20(B/W)

Speaker Bracket

MSB-80/100/130



Application Type



•MS-80



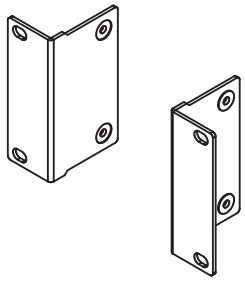
•MS-100



•MS-130

Rack Mount Bracket

BKT-A120

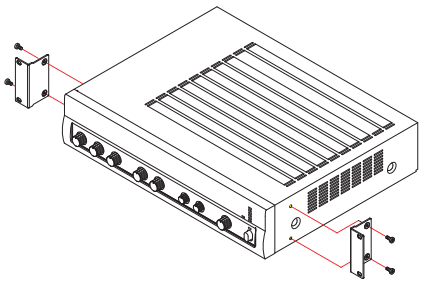


Application Type



•A-60 / 120

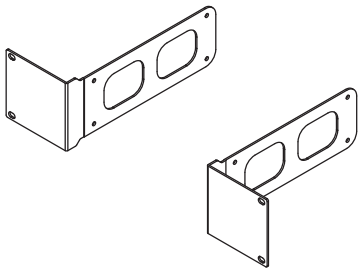
BKT Ass'y



<EIA 2H>

Rack Mount Bracket

BKT-PA1000B

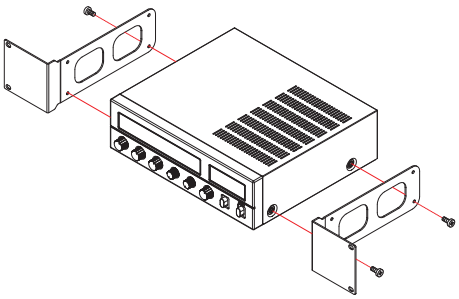


Application Type



•PA-1000B / 1000BR

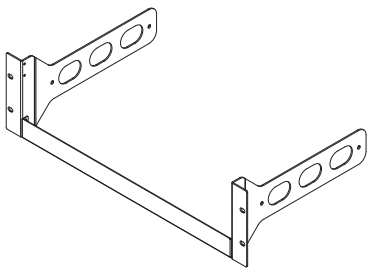
BKT Ass'y



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Rack Mount Bracket

BKT-PA2000A

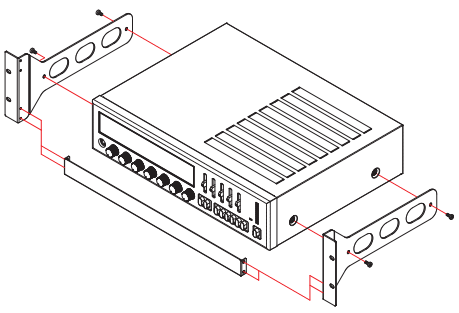


Application Type



•PA-2000A

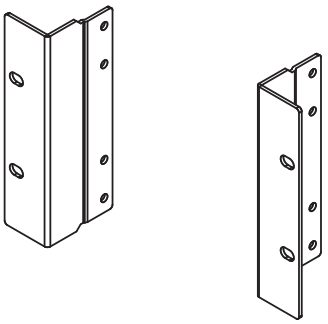
BKT Ass'y



<EIA 2H>

Rack Mount Bracket

BKT-PA4000A

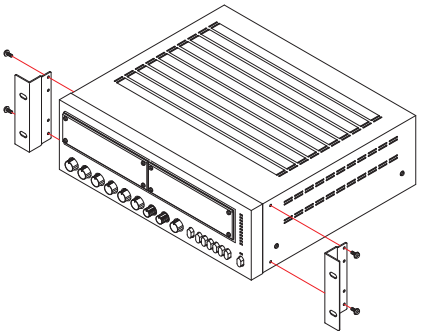


Application Type



•PAM-120A / 340A / 480A

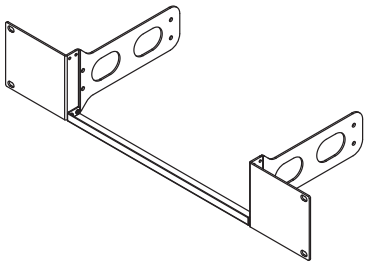
BKT Ass'y



<EIA 2H>

Rack Mount Bracket

BKT-PA935A

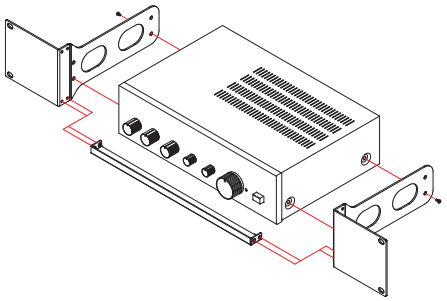


Application Type



•PA-935N

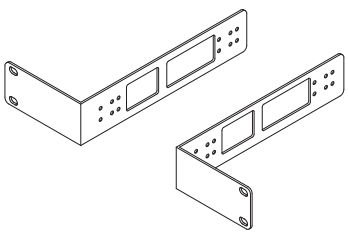
BKT Ass'y



<EIA 2H>

Rack Mount Bracket

BKT-MA106



Application Type

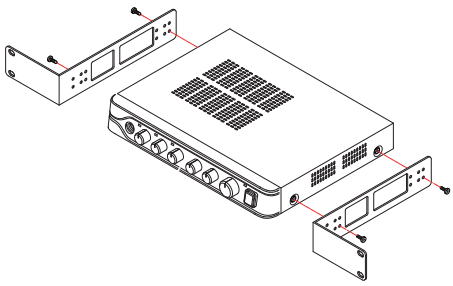


•MA-106/106A/106N



•MA-110/110N

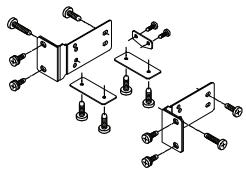
BKT Ass'y



<EIA 2H>

Rack Mount Bracket

BKT-DSA100D-F

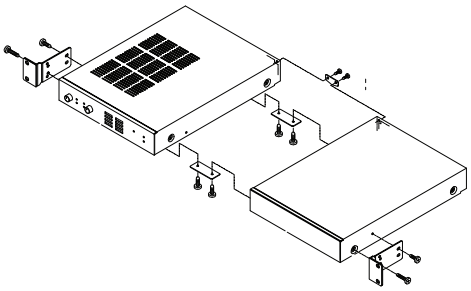


Application Type



•DSA-100D/DV, OPT-100

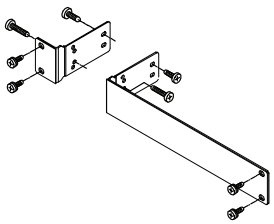
BKT Ass'y



<EIA 2H>

Rack Mount Bracket

BKT-DSA100D-H

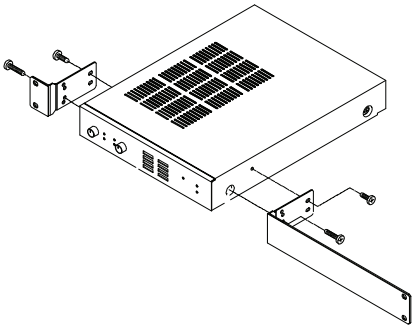


Application Type



•DSA-100D/DV, OPT-100

BKT Ass'y

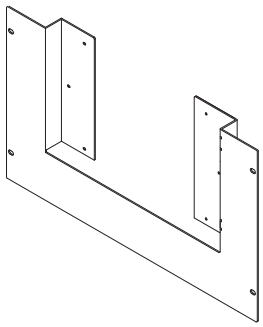


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NOTE

Rack Mount Bracket

BKT-SC05EM

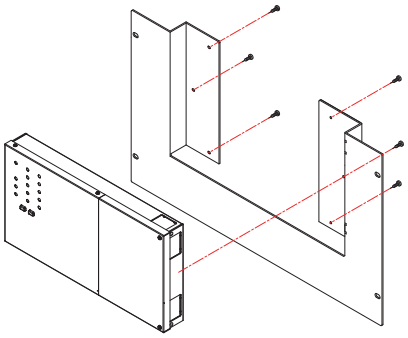


Application Type



•SC-05EM

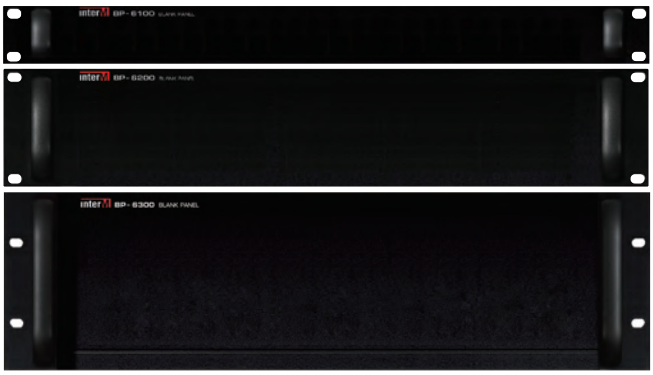
BKT Ass'y



<EIA 2H>

Blank Panels

BP-6100/6200/6300



RoHS COMPLIANT

Features

- Suitable for covering the blank space in a Rack
- Heat flow space
- Weight : BP-6100 : 320g / 0.7lb, BP-6200 : 540g / 1.2lb, BP-6300 : 760g / 1.7lb
- Dimensions (W×H×D)
  BP-6100 : 482 × 44 × 28mm / 19 × 1.7 × 1.1in
  BP-6200 : 482 × 88 × 28mm / 19 × 3.5 × 1.1in
  BP-6300 : 482 × 132 × 28mm / 19 × 5.2 × 1.1in

Aluminum Rack Cabinet Series

PR-401A, PR-401NA, PR-451A, PR-451NA



*A : Assembly *NA : Non assembly

Spec	Unit	PR-401A	PR-401NA	PR-451A	PR-451NA
Weight	kg	62	58.2	69	65.6
	lb	136.7	128.3	152.1	144.6
Dimensions (W × H × D)	mm	587 x 2000 x 587	587 x 2000 x 587	587 x 2200 x 587	587 x 2200 x 587
	inches	23.1 × 78.7 × 23.1	23.1 × 78.7 × 23.1	23.1 × 86.6 × 23.1	23.1 × 86.6 × 23.1

Aluminum Rack Cabinet Series

PA-151D/231D/271D/331D/391D/401D/451D



Spec	Unit	PA-151D	PA-231D	PA-271D	PA-331D	PA-391D	PA-401D	PA-451D
Weight	kg	34.2	46.3	51	59.7	71.8	-	-
	lb	75.4	102.1	112.4	131.6	158.3	-	-
Dimensions (W × H × D)	mm	587 × 885 × 587	587 × 1240 × 587	587 × 1420 × 587	587 × 1685 × 587	587 × 1955 × 587	587 × 2000 × 587	587 × 2200 × 587
	inches	23 × 34.8 × 23	23 × 48.8 × 23	23 × 55.9 × 23	23 × 66.3 × 23	23 × 77 × 23	23 × 78.7 × 23	23 × 86.6 × 23

Steel Rack Cabinets

PR-091A/111A/151A/231A/271A/331A/391A
PR-091NA/111NA/151NA/231NA/271NA/331NA/391NA

RoHS COMPLIANT



*A : Assembly *NA : Non assembly

Spec	Unit	PR-091A	PR-111A	PR-151A	PR-231A	PR-271A	PR-331A	PR-391A
Weight	kg	23	24	32.5	42	47	53	62.5
	lb	50.7	52.9	71.6	92.6	103.6	116.8	137.8
Dimensions (W×H×D)	mm	587 × 508 × 587	587 × 597 × 587	587 × 844 × 587	587 × 1,200 × 587	587 × 1,378 × 587	587 × 1,645 × 587	587 × 1,912 × 587
	inches	23 × 20 × 23	23 × 23.5 × 23	23 × 33.2 × 23	23 × 47.2 × 23	23 × 54.2 × 23	23 × 64.7 × 23	23 × 75.2 × 23
Spec	Unit	PR-091NA	PR-111NA	PR-151NA	PR-231NA	PR-271NA	PR-331NA	PR-391NA
Weight	kg	26.5	27.2	37.7	49.1	55	63.7	73.7
	lb	58.3	59.8	83	108.2	121.3	140.4	162.4
Dimensions (W×H×D)	mm	315 × 430 × 650	315 × 520 × 650	315 × 790 × 650	290 × 1,205 × 650	290 × 1,330 × 650	290 × 1,590 × 650	290 × 1,865 × 650
	inches	12.4 × 16.9 × 25.5	12.4 × 20.4 × 25.5	12.4 × 31.1 × 25.5	11.4 × 47.4 × 25.5	11.4 × 52.3 × 25.5	11.4 × 62.5 × 25.5	11.4 × 73.4 × 25.5

Inter-M Surge Protector

ISP-108/116

NEW

RoHS COMPLIANT



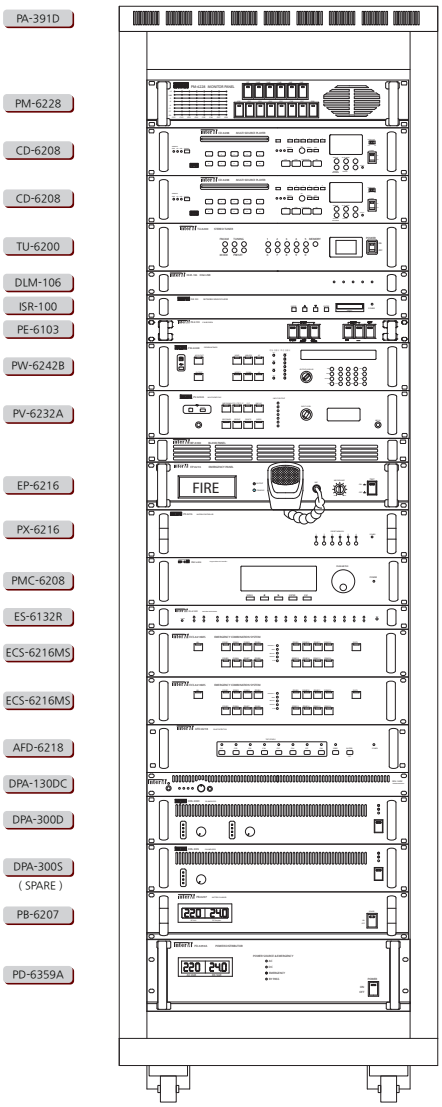
Features

- Equipment to protect outdoor speakers and amplifiers from lightning strokes
- Up to 16CHannels of amplifier output and speaker connection
- Weight : 3.56kg / 7.85lb
- Dimensions (W×H×D) : 300 x 376 x 47mm / 11.81 x 14.8 x 1.85in

CONNECTION BLOCK DIAGRAM

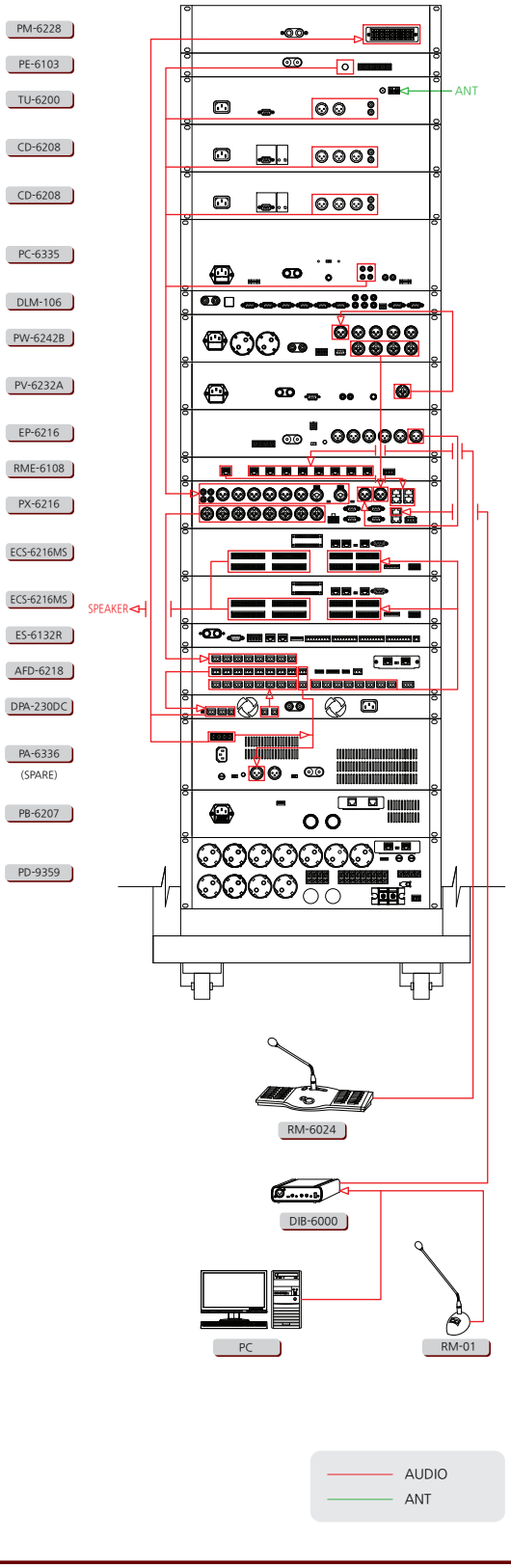
Rack Connection

6000 SYSTEM FRONT



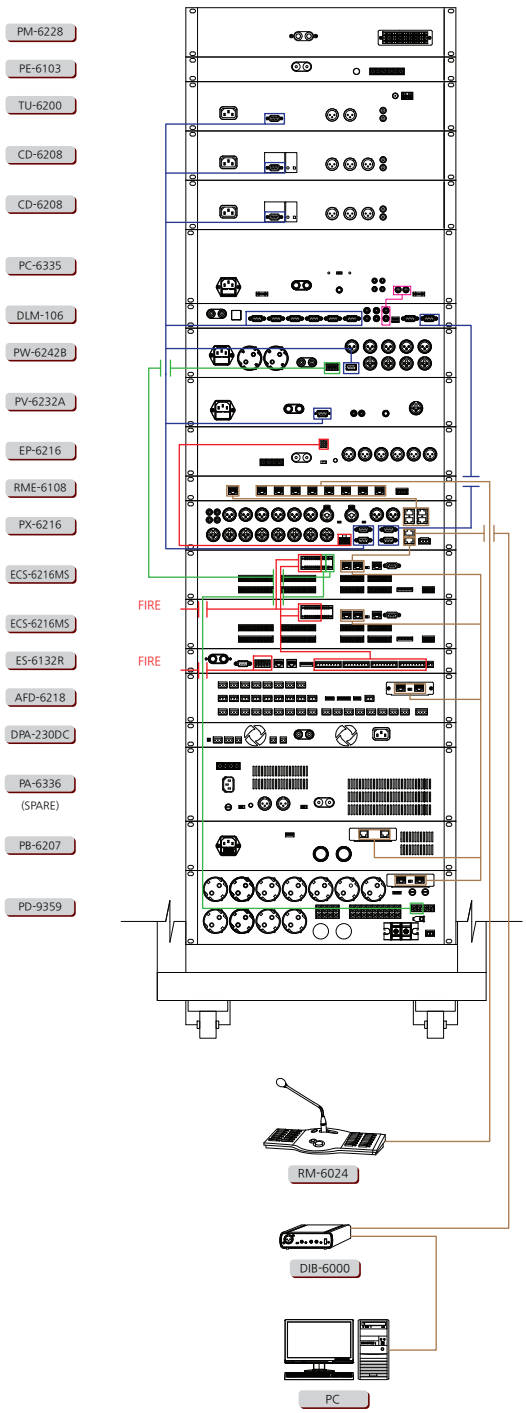
Rack Connection

6000 REAR (AUDIO)



Rack Connection

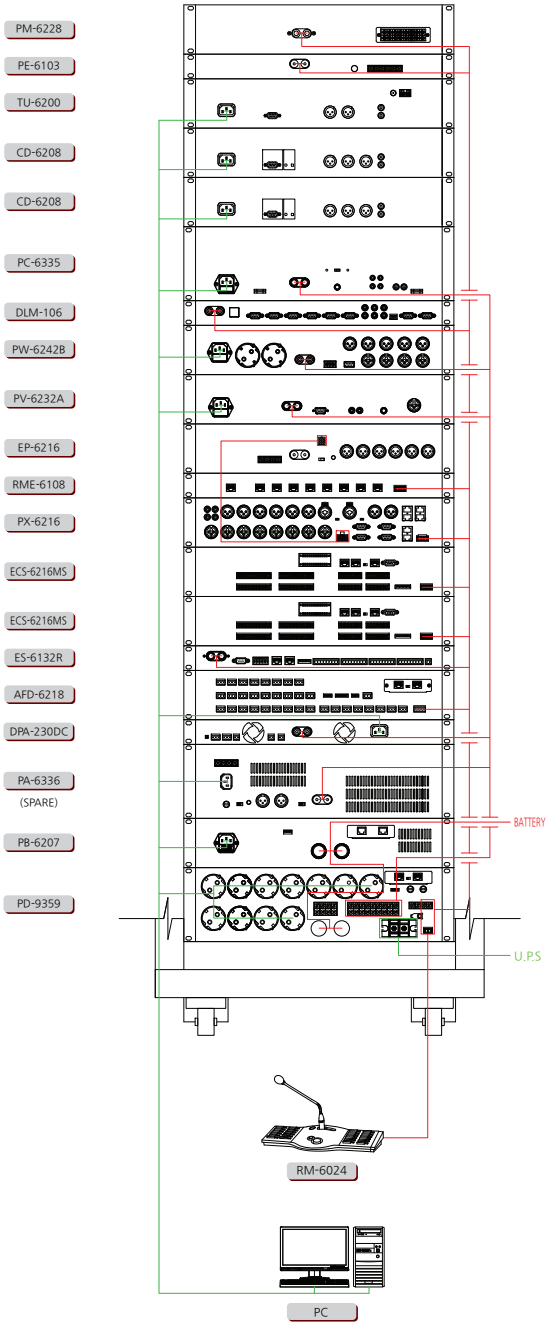
6000 REAR (COMM,)



RS-232
RS-422,485
DIGI-LINK
SENSOR
FIRE

Rack Connection

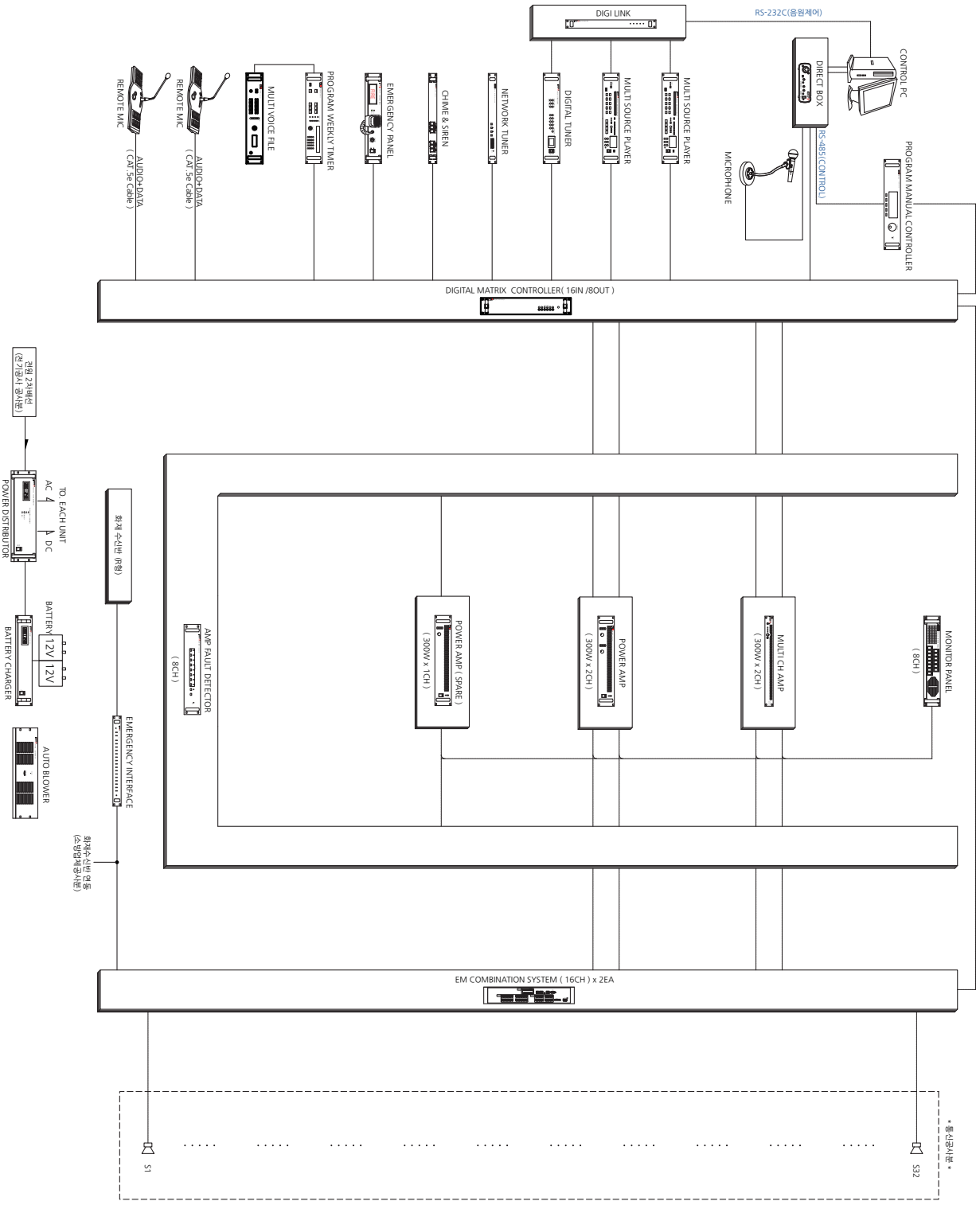
6000 REAR (POWER)



AC POWER
DC POWER

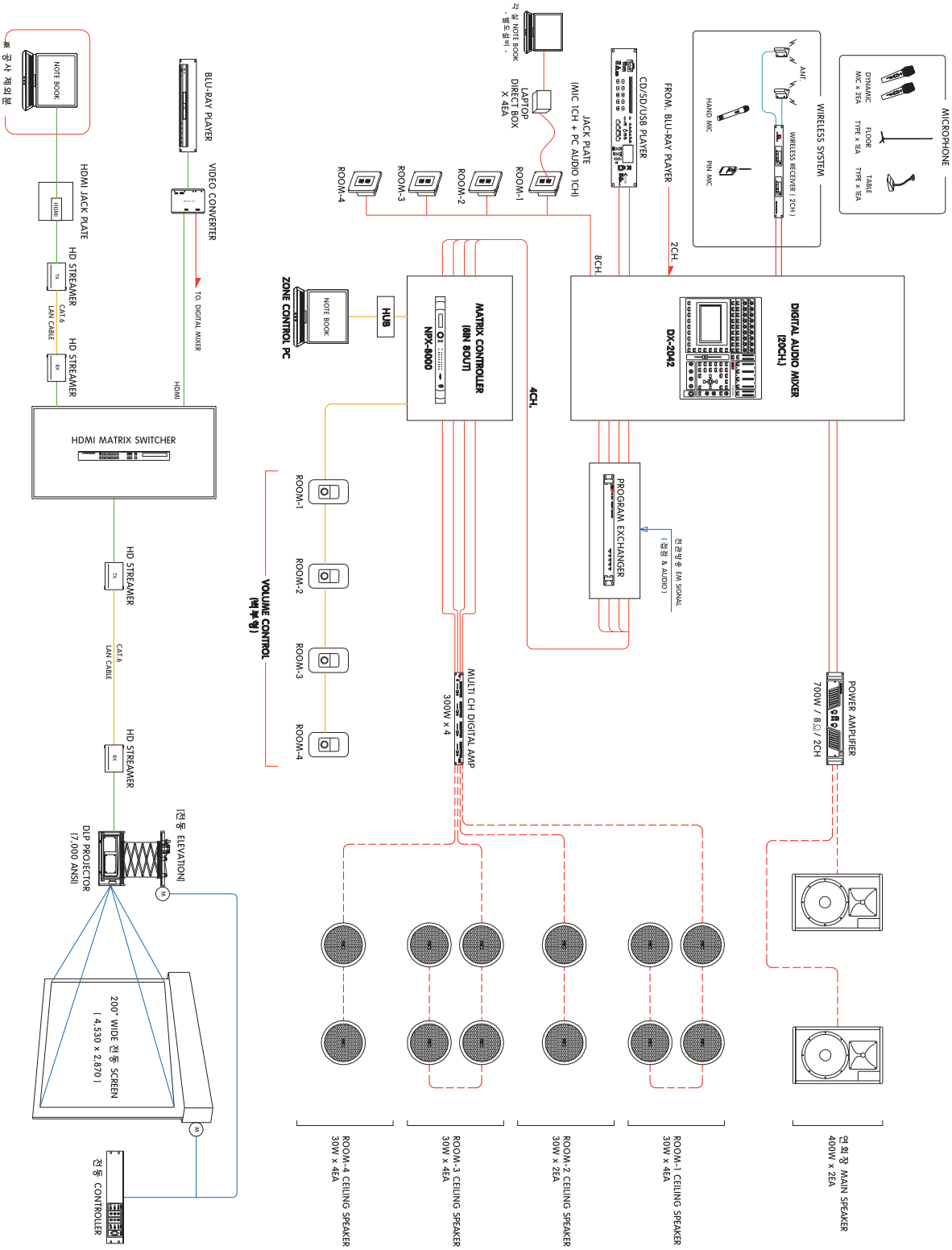
Block Diagram

6000 SYSTEM



Block Diagram

NPX-8000 SYSTEM



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