8 x 8 Audio Matrix with Local Control

PX-8000

(With RM-8000/LM-8000)

PX-8000
AUDIO MATRIX

MONITOR ZONE 1 ZONE 2 ZONE 3 ZONE 4

BGM SELECT BGM SELECT BGM SELECT BGM SELECT

MONITOR VOL
MIN MAX

OUTPUT LEVEL
+3
0dB
−3
−8
−13

MAX

OUTPUT LEVEL
+3
0dB

MAX

POWER
ON
OFF

SYSTEM MODE
MASTER
SLAVE

interM

OVERVIEW

The PX-8000 is an easy-to-operate 8×8 matrix mixer/controller that is usable with or without remote modules. The PX-8000 and related components provide the latest technology combined with ease of operation to create a system that offers enormous capability and flexibility. Local audio sources may be sent to any combination of up to eight remote zones and can do so with remote control unit. This type of flexibility makes this product ideal for any type of multi-zone system, including hotels, airports, casinos, hospitals, conference centers, and restaurants. The remote devices ensure that the right amount of control is located in the correct locations throughout a facility. The unit features local and remote paging capabilities with priority control. Each of the eight output zones is capable of being controlled by a remote station.

A monitor speaker is built in for local signal monitoring at the controller. Phantom power is provided for use with condenser microphones. The unit has both bass and treble tone controls per channel. The PX-8000 is powered by100-120 VAC or 220-240 VAC 50/60Hz(depending on country requirements). The unit is packaged in a 5.25″ high(3RU)rack-mount enclosure.

Features

- 8 BGM x 8 ZONE MATRIX
- 8 local control
- 4 remote microphone
- Trigger contact(8)for remote message playback
- Output expansion ports(MASTER/SLAVE)terminal (Link multiple PX8000)
- PAGING microphone input, w / phantom
- PAGING microphone, voice control function
- 3 step CHIME
- DRP recording and playback(60 seconds)
- ZONE tone control(Base/Treble)
- Input / output volume control
- BGM audio confidence monitoring through built-in speaker
- 7-Segment alpha-numeric display and LED meters BGM channel display
- LED output level meter
- Local control functions (When LM control is deselected)
- BGM input signal LED(-30 dB)
- Priority broadcasting : PAGING > DRP > RM > LM > BGM
- CAT-5 cable with easy installation(300 m)long-distance
- 8-channel balanced output terminals

8 BGM x 8 ZONE MATRIX

Any combination of 8 BGM sources can be broadcasted to any combination oral outputs. Outputs can easy be increased by multiples of 8 simply by linking multiple PX-8000 together.

LOCAL CONTROL

Local control is possible using the wall mounted remote control with selection of local background music source in a remote zone as well as control of its volume. Local input allows for line level signal input as well a microphone.
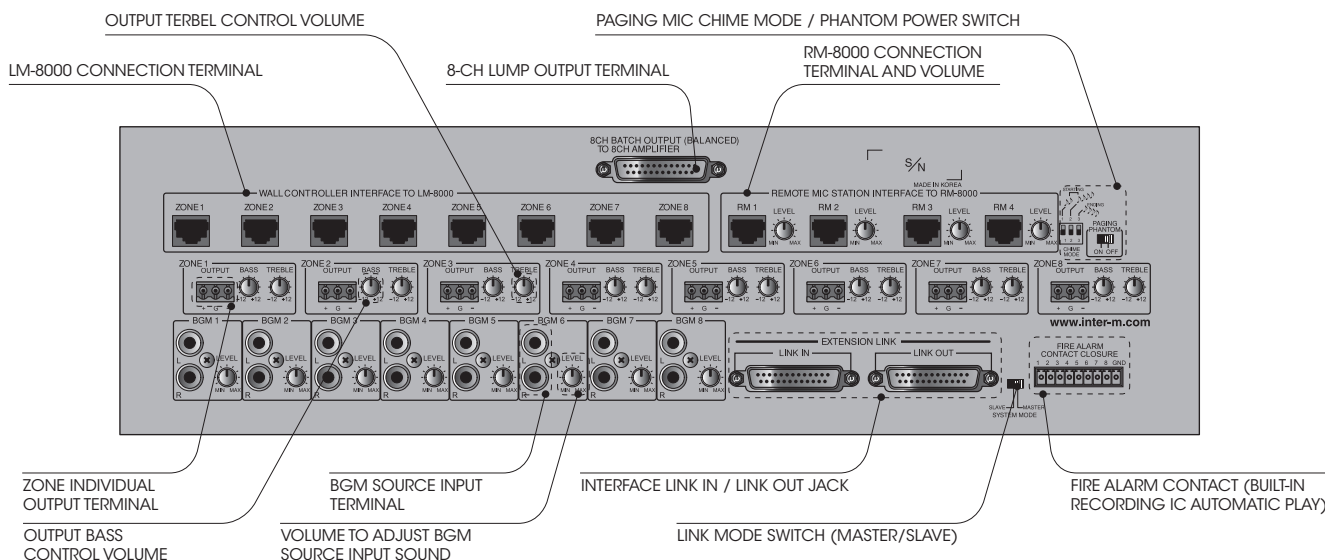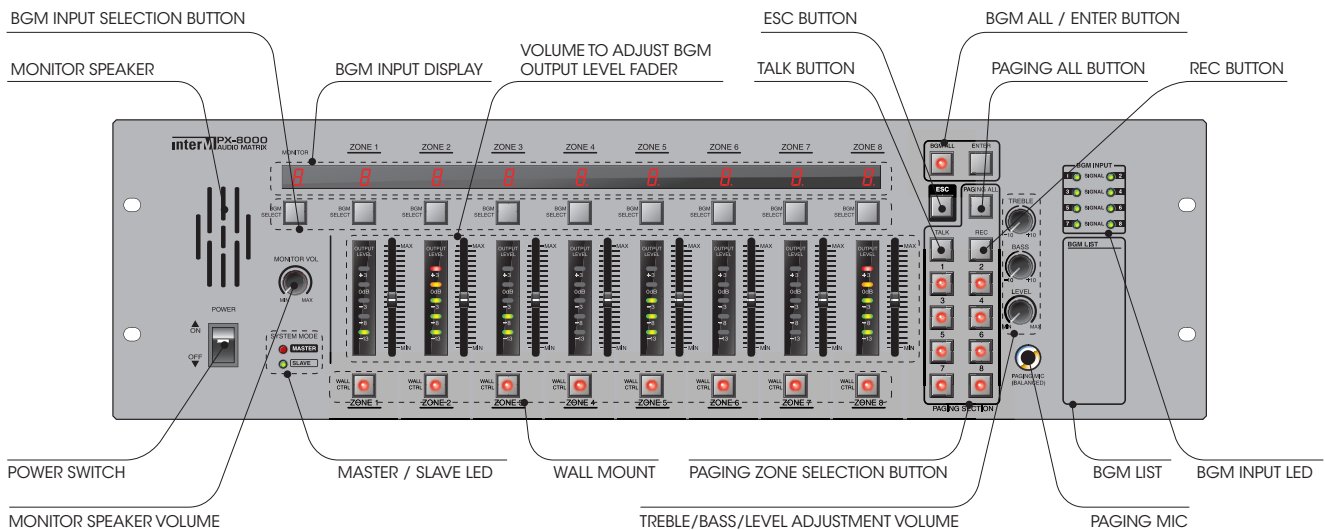
PAGING

Multi-zone paging is possible using the Remote Paging microphones. Up to 4 RM mics can be connected to the PX8000
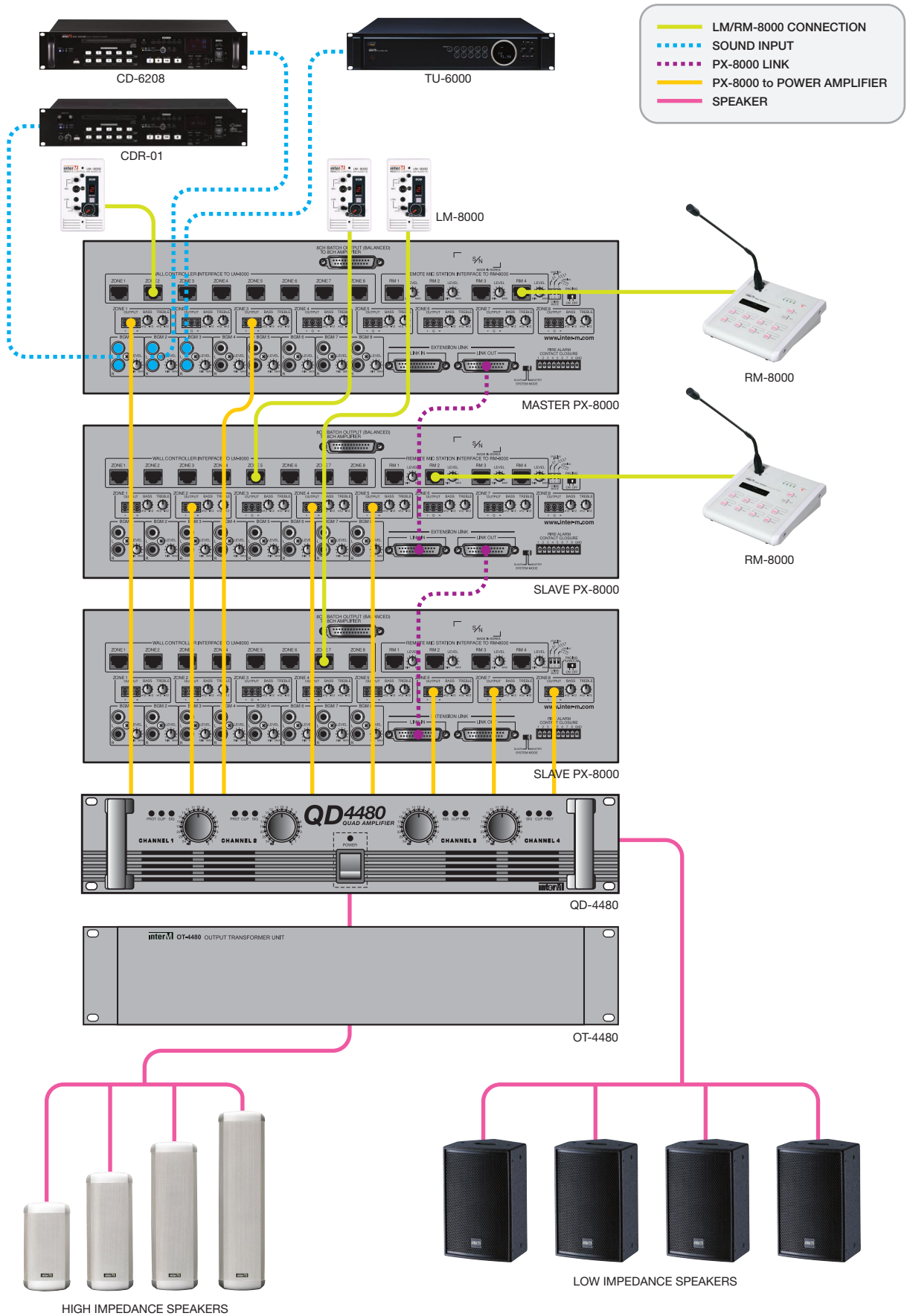
PRE-RECORDER MESSAGE PLAYBACK

Trigger contact(8)for remote message playback

Front / Rear Panel

BGM INPUT SELECTION BUTTON

MONITOR SPEAKER

BGM INPUT DISPLAY

VOLUME TO ADJUST BGM OUTPUT LEVEL FADER

ESC BUTTON

TALK BUTTON

BGM ALL / ENTER BUTTON

PAGING ALL BUTTON

REC BUTTON

POWER SWITCH

MONITOR SPEAKER VOLUME

MASTER / SLAVE LED

WALL MOUNT

PAGING ZONE SELECTION BUTTON

TREBLE/BASS/LEVEL ADJUSTMENT VOLUME

BGM LIST

BGM INPUT LED

PAGING MIC

OUTPUT TERBEL CONTROL VOLUME

LM-8000 CONNECTION TERMINAL

8-CH LUMP OUTPUT TERMINAL

PAGING MIC CHIME MODE / PHANTOM POWER SWITCH

RM-8000 CONNECTION TERMINAL AND VOLUME

ZONE INDIVIDUAL OUTPUT TERMINAL

OUTPUT BASS CONTROL VOLUME

BGM SOURCE INPUT TERMINAL

VOLUME TO ADJUST BGM SOURCE INPUT SOUND

INTERFACE LINK IN / LINK OUT JACK

LINK MODE SWITCH (MASTER/SLAVE)

FIRE ALARM CONTACT (BUILT-IN RECORDING IC AUTOMATIC PLAY)

Connection

───	LM/RM-8000 CONNECTION
····	SOUND INPUT
····	PX-8000 LINK
───	PX-8000 to POWER AMPLIFIER
───	SPEAKER

CD-6208

TU-6000

CDR-01

LM-8000

MASTER PX-8000

RM-8000

SLAVE PX-8000

RM-8000

SLAVE PX-8000

QD-4480

OT-4480

HIGH IMPEDANCE SPEAKERS

LOW IMPEDANCE SPEAKERS

LM-8000 Remote Control Audio In

Features

- Easy integration wiring(power, audio, communications)
- local microphone input, line input and volume control
- BGM channel selection and volume adjustment
- BGM channel display
- Easy Wall installation in a standard NEMA electrical outlet box
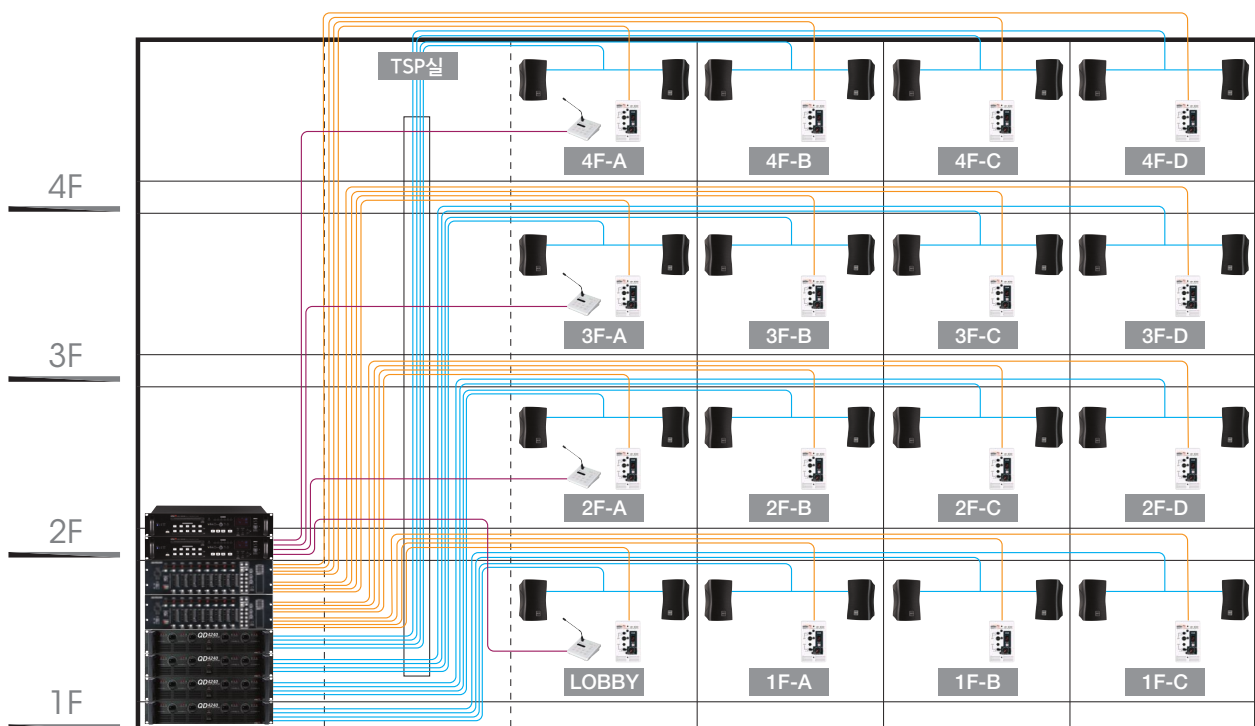
RM-8000 Remote Mic Station

Features

- Remote Microphone
- Easy cat5e wiring(power, audio, communications)
- Broadcast Microphone primary supply
- Microphone Level LED output
- Selectable pre announce chime
- 8 Individual or all Zone Paging
- Status display
- Ergonomic table type

Application 1 - Restaurant

TERRACE

EXTRA ROOM 2

EXTRA ROOM 1

HALL

WAITING

KITCHEN

TOILET
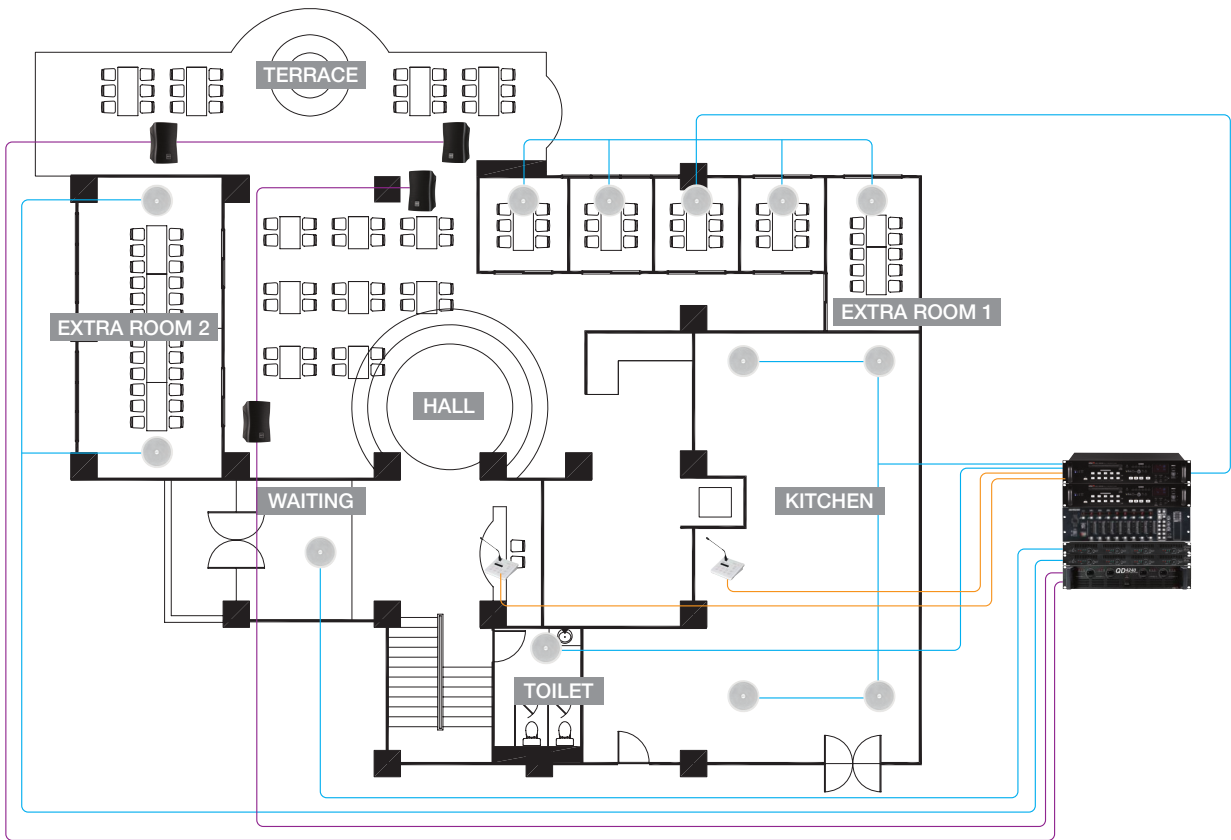
Application 2 - Training Facility

TSP실

4F-A

4F-B

4F-C

4F-D

4F

3F-A

3F-B

3F-C

3F-D

3F

2F-A

2F-B

2F-C

2F-D

2F

LOBBY

1F-A

1F-B

1F-C

1F

Technical Data

Model	PX-8000	RM-8000	LM-8000
Audio Output	0 dB(Balanced)	0 dB(Balanced)	0 dB(Balanced)
Audio Input - Paging & RM MIC & LM MIC	-50 dB(Balanced)	-50 dB(Balanced)	-50 dB(Balanced)
Audio Input - BGM(Main & Local)	-10 dB (Balanced)	-10 dB (Balanced)	-10 dB (Balanced)
Tone Control(100 Hz & 10 kHz) - Paging MIC	±10 dB	±10 dB	±10 dB
Tone Control(100 Hz & 10 kHz) - Audio Output	±12 dB	±12 dB	±12 dB
Frequency Response - BGM(60 Hz~15 kHz)	±3 dB	±3 dB	±3 dB
Frequency Response - MIC(100 Hz~10 kHz)	±3 dB	±3 dB	±3 dB
S/N - BGM	Better than 75 dB	Better than 75 dB	Better than 75 dB
S/N - MIC	Better than 65 dB	Better than 65 dB	Better than 65 dB
T.H.D. - BGM	Less than 0.05 %	Less than 0.05 %	Less than 0.05 %
T.H.D. - MIC	Less than 0.05 %	Less than 0.05 %	Less than 0.05 %
Priority Control	Paging MIC > DRP > RM1 > RM2 > RM3 > RM4 > LM-8000 > Main BGM		
Phantom Power	DC 24 V	DC 24 V	DC 24 V
Serial Interface(RS-422) - Communication Speed	9600 bps	9600 bps	9600 bps
Serial Interface(RS-422) - Communication Distance	Maximum 300 m(UTP CAT5)	Maximum 300 m(UTP CAT5)	Maximum 300 m(UTP CAT5)
Operation Temperature	-10 °C ~ +40 °C	-10 °C ~ +40 °C	-10 °C ~ +40 °C
Power Source	100-120 VAC or 220-240 VAC; 50/60 Hz (Supplied AC mains transformer depends on country requirements)		
Power Consumption	60 W	-	-
Weight(SET)	7.5 kg/16 lbs	1.5 kg/3.2 lbs	130 g/0.28 lbs
Dimensions(SET)	482(W)×132(H) x 380(D) mm 19(W)×5.2(H)×15(D) in	200(W)×70(H)×206(D) mm 7.9(W)×2.8(H)×8.1(D) in	70(W)×114(H)×52(D) mm 2.8(W)×4.5(H)×2.0(D) in

* Specifications and design are subject to change without notice.

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