

PX-603 Product Description

The PX-603 Multi-Room Expander allows the addition of three areas of independent volume control to any existing zone or zones of a PX-600 Multi-Room Preamp/Controller system without the use of autoformers. The chassis contains three line-level audio inputs, three stereo amplifiers with digitally controlled volume and fixed equalization, and a four conductor communication bus. Up to six PX-603s may be connected to any PX-600 in a system for a total of 18 additional areas of independent volume control per PX-600. Each area may be controlled from the traditional KPS eight-button, wall-mounted keypad or a KP3 three-button keypad. An Audioaccess handheld IR remote control may be used with either keypad for on/off, volume and source control for the entire zone through the IR receiver built into both keypads.

Each PX-603 Audio Input receives a line-level signal from a PX-600 Zone Output. Room configurations and independent bass equalization (3dB boost) are set via DIP switches on the PX-603 rear panel. ALL-ON grouping and time-out features are programmed at the PX-600 control unit with a detachable PX-600 Programmer. Turn-on volume for PX-603 rooms is set at the KPS or KP3 keypad in each room.

General Features

- Simple, intuitive operation, installation and programming
- Zone source selection is available from KPS keypad and IR remote Controls
- KPS keypads and IR remotes control basic functions of the audio sources for the zone
- KP3 keypads control room on/off, volume level and mute
- PX-603 rooms may be activated with zone ALL-ON group
- Paging and doorbell features available with optional Page/Doorbell Module
- Independent access to each of three audio inputs and three stereo amplifiers
- Independent volume control and bass EQ in each room
- Infrared receiver built into KP3 and KPS keypads
- Four-conductor wiring directly from PX-603 and KPSs to KPT (two twisted pairs: telephone or data cable)
- Six-conductor wiring directly from PX-603 to KP3 keypads
- Attaches to keypad termination board (KPT) for easy pre-wiring/troubleshooting
- Two-way communication with PX-600 Controller via four conductor bus

Inputs

- Three line-level audio inputs
- Three six-conductor modular KP3 keypad inputs
- AC power input
- DIP switch settable room addresses and Bass Boost

Outputs

- Loop-thru audio output for each audio input
- Push-terminal speaker connectors for three stereo pairs
- 22 Watts per channel into eight ohm speakers with all channels driven

Technical Specifications

Specification

Frequency Response

S/N (ref: 1k Hz at rated output, filter at 30k Hz)

THD + Noise @ 1k Hz, Filter at 30k Hz

Maximum Output

Left/Right Crosstalk (@ 1k Hz, each input)

Room to Room Crosstalk (@ 1k Hz, any two rooms)

Volume Attenuation

Mute Attenuation

Bass (Baxandall type, 100 Hz)

Input Sensitivity

Room Outputs

20-20k Hz, +0, -2.4 dB

>100 dB

<0.01% (@ rated power)

22W into 8 Ω (6 channels driven)

24W into 8 Ω (4 channels driven)

28W into 8 Ω (2 channels driven)

<-81 dB

<-83 dB

0-76dB, 2dB steps

>110 dB

0dB, + 3dB (selectable)

1.5Vrms for rated output

Connector Type

RCA with short hot pin (makes shield connection first)

Power requirements *

120 volts AC, 60Hz, 480 watts max (230 volts AC, 50Hz, 480 watts max)

Dimensions

17 3/8" W x 4" H x 15 1/2" D (442 mm x 102 mm x 394 mm)

Includes connectors and feet

Weight

19 lbs/ 9 kg

* Refer to rear panel of unit.