



# PX-700

Audioaccess Multiroom  
Audio Controller

Flagship of the Audioaccess product line, the Audioaccess PX-700 Multiroom Audio Controller forms the heart of a superior-sounding, easy-to-use multiroom audio system. This powerful system is easily set up with the PX-700 Installation Manager, Audioaccess's proprietary Windows® application.

The PX-700 continues our long tradition of easy-to-use and easy-to-install multiroom systems, and adds powerful source control, programming flexibility and customizable features. An all-new audio preamplifier circuit, designed and manufactured in the USA, delivers the performance associated with high-quality, separate audio components.

Together with our elegant, intuitive wall-mounted keypads, touchscreens and handheld remotes, the PX-700 allows direct access and control of eight different audio sources in six separate zones. Each zone can control any five separate sources via the KPS101 Keypad. All eight sources are accessible from our touchscreen and dedicated remote controls. Alternatively, any source may be dedicated or partitioned for use in a specific zone in the home. Up to six PX-700s can be connected to form a 36-zone system.



The PX-700 is programmed exclusively with the PX-700 Installation Manager, our proprietary Windows application. A special feature of the software permits adjacent areas, or zones, to be "linked" together so that they track the same source while independent volume control is maintained in each area. With the PX-700 Installation Manager, the installer creates and maintains a comprehensive IR library, which is then used to control all of the source components in an installation. The PX-700 Installation Manager allows the installer to define any number of short and long button presses, which can be assigned to the keypads, touchscreens and handheld remotes. Because of the open architecture of the program, multiple high-capacity CD changers or

DSS receivers can easily be used in a single installation. IR programming, source assignments, turn-on source defaults, input level matching, group assignments and other programming options may be configured prior to the installation or at the job site. Once completed, the project is downloaded to the PX-700 via an RS-232 input on the rear panel, or a convenient PC Link jack on the front panel of the controller.

The Installation Manager uses standard control features found in all Windows applications: right mouse clicks, drag and drop, and pop-up menus. Diagnostic tools are included to monitor keypad bus communications. Other tools include an equipment list, wiring instructions, virtual installation and an online help file. [www.audioaccess.com](http://www.audioaccess.com)

# Features

- ▲ Simple, intuitive operation
- ▲ Easy installation
- ▲ Separate-component-quality audio performance
- ▲ Adjustable input levels for each source
- ▲ Independent bass and treble levels for each PX-700 room
- ▲ Convenient, expanded programming via PC or laptop
- ▲ Create and maintain extensive IR library
- ▲ Import/export utilities for merging/updating master library
- ▲ Rack-mountable chassis
- ▲ Eight audio inputs plus a paging input for each zone
- ▲ Front-panel IR receiver, rear-panel IR In/Out jacks
- ▲ Built-in RS-232 interface accessible from either front or rear panel
- ▲ Built-in IR learning device
- ▲ Zone-linking capabilities
- ▲ Any five of eight sources available from KPS101 Keypad in each zone
- ▲ Eight sources available from touchscreens and handheld remotes
- ▲ Selectable turn-on source in each zone
- ▲ Each zone assignable to one of three ALL ON groups (or none)
- ▲ Expandable to 36 zones with additional PX-700 controllers
- ▲ Compatible with PX-603 Multiroom Expander (add up to three rooms per zone)
- ▲ Compatible with Audioaccess multiroom, 12-channel amplifiers

## Connector Complement/Specifications



### Inputs

- ▲ Eight stereo audio inputs with buffered loopthru capability
- ▲ One mono page input
- ▲ Trigger input allows sharing of audio sources with other systems
- ▲ Four-conductor keypad input
- ▲ PC Link jack RS-232 interface on front panel
- ▲ Nine-pin D-sub RS-232 interface on back panel

### Outputs

- ▲ Six-room preamp outputs (one per zone)
- ▲ Six independent fixed outputs
- ▲ One record output from the main zone
- ▲ Six programmable 12VDC trigger outputs (one per zone)
- ▲ Eight dedicated IR source outputs
- ▲ One all-IR source output

### Audio

- ▲ Connector: gold-plated RCA jack
- ▲ Input Impedance: 20kΩ
- ▲ Maximum Input Level (for 0.1% THD+N at any output): 2.0VRMS
- ▲ Output Impedance: 330Ω
- ▲ Maximum Output Level
- Source-Buffered Outputs: 2.0VRMS
- Primary Outputs: 2.75VRMS
- Expansion Outputs: 2.0VRMS

### Gain

Source-Buffered Outputs: 0dB (unity gain)  
 Primary Outputs: 18.5dB (volume set at 100)

Expansion Outputs: -1dB

- ▲ S/N (Input: 2.2VRMS, 1kHz, primary room volume at unity gain; Measurement Bandwidth: 22kHz)  
 Source-Buffered Outputs: >113dB

Primary Outputs: >95 dB  
 Expansion Outputs: >100dB

▲ Frequency Response

Source-Buffered Outputs: 10Hz to 110kHz, ±1dB

Primary Outputs: 10Hz to 70kHz, ±1dB

Expansion Outputs: 10Hz to 75kHz, ±1dB

- ▲ THD + Noise (Input: 1VRMS, 1kHz, primary room volume at unity gain; Measurement Bandwidth: 30kHz)  
 Source Buffered Outputs: <0.003%
- Primary Outputs: <0.006%
- Expansion Outputs: <0.005%

- ▲ L/R Crosstalk (at 1kHz)  
 Source-Buffered Outputs: <-110dB
- Primary Outputs: <-92dB
- Expansion Outputs: <-104dB

- ▲ Source-to-Source Crosstalk (at 1kHz, any two sources)  
 Source-Buffered Outputs: <-110dB
- Primary Outputs: <-100dB
- Expansion Outputs: <-105dB

- ▲ Volume Control: 0 to 100dB in 0.5dB steps
- ▲ Bass: shelving type, ±12dB in 2dB steps at 100Hz
- ▲ Treble: shelving type, ±12dB in 2dB steps at 10kHz

### Trigger Inputs and Outputs

- ▲ Connector: 3.5mm Mini Phone Jack
- ▲ Trigger Out and Zone Trigger Output Voltage: 8 to 16VDC (depending on line voltage and load), tip positive
- ▲ Page Trigger In: dry contact
- ▲ Trigger In: 4 to 30VDC, tip positive; 3 to 24VRMS AC

### Power Inlet

- ▲ Connector: male IEC320
- ▲ Power Requirement: 115V AC, 50/60Hz, 50 watts (not including switched outlet)\*

### Switched Outlet

- ▲ Connector: NEMA 5-15R\*
- ▲ Maximum Load: 300 watts

### Dimensions

- ▲ 17-5/16" W x 4" H x 15-1/2" D (440mm x 102mm x 394mm) (includes connectors and feet)

### Weight

- ▲ 11.5 lb (5kg)

\* 120V version. 230V version power requirement is 230V AC, 50/60Hz, 50 watts; switched outlet connector is female IEC320.

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