



## Volume and Select **Gentner Control Panel**

Gentner's Control Panel provides convenient control of zoning, volume, and other functions of Gentner's PSR1212 Digital Matrix Mixer and XAP 800/400 Audio Conferencing System.

The Control Panel is available in two models: The Volume Control Panel, designed primarily for volume control; and the Select Control Panel, for preset or macro execution. Either model fits in a standard electrical switch-type wall box\*. Control Panels can be combined in a 2, 3, or 4-ganged switch-type box.

The unit works by triggering the execution of pre-programmed commands from the host unit. Each button on the Control Panel can be programmed to execute a function, command, a series of commands, presets, and macros using the Control Panel Builder in the host unit's software. The panel can also be programmed to respond like a momentary or latching button. Buttons and LEDs are programmed individually.

Each Control Panel comes with a pre-punched facia plate, faceplate, PCB, connector blocks, and low-voltage electrical box. Contact Gentner for information about purchasing custom punched and engraved wall or rack mount cover panels.

The Control Panel connects to an RS-485 Phoenix connector on the rear of the PSR1212, XAP 800, or XAP 400 (there are two connectors). Each connector can accommodate up to six Control Panels.

### Applications

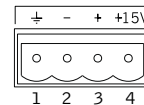
- Classrooms
- Courtrooms
- Boardrooms
- Conference halls
- Public address systems
- Hotels and convention centers
- Houses of worship
- Paging systems
- Room combining systems



**Gentner Control Panels provide convenient control of presets, macros, and volume.**

### RS-485 Connector Pin Assignments

1. Power Input: +15VDC
2. Data: +
3. Data: -
4. Ground:  $\perp$



### Features and Benefits

- Provides convenient remote control of basic PSR1212/XAP 800/400 functions.
- Simplifies PSR1212/XAP 800/400 operation by executing pre-programmed macros from the unit.
- Installs in a standard electrical switch-type wall box\*.

### Volume Panel

- Volume-up button
- Volume-down button
- Seven red LEDs to indicate channel volume level
- A third button that can be programmed for mute, combined, background music, etc.
- A red status LED to indicate operation of a command executed with the third button.

### Select Panel

- Four programmable buttons
- Four red status LEDs to indicate operation of commands executed with the buttons.

\*Control panel must not be used with an AC power switch or plug in the same box.

Specifications

**Dimensions (W x L)**  
 1.8" x 4.13" (4.6 cm x 10.5 cm)

**Weight**  
 <1 lb (.45 kg)

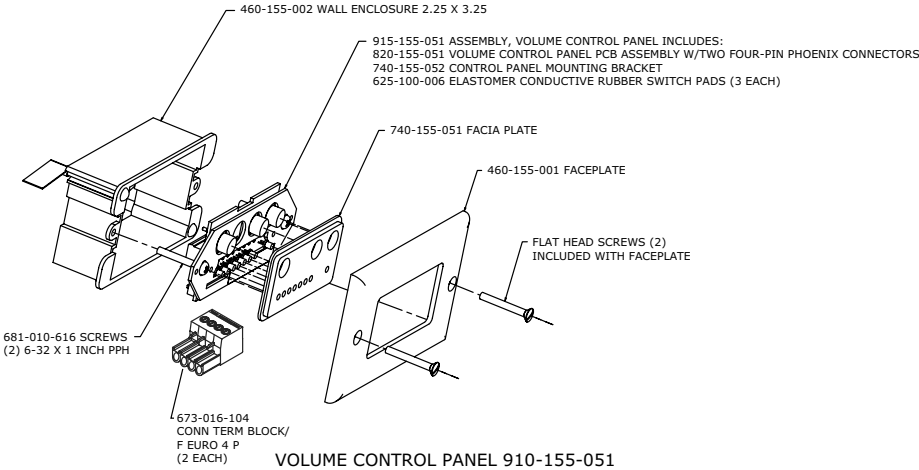
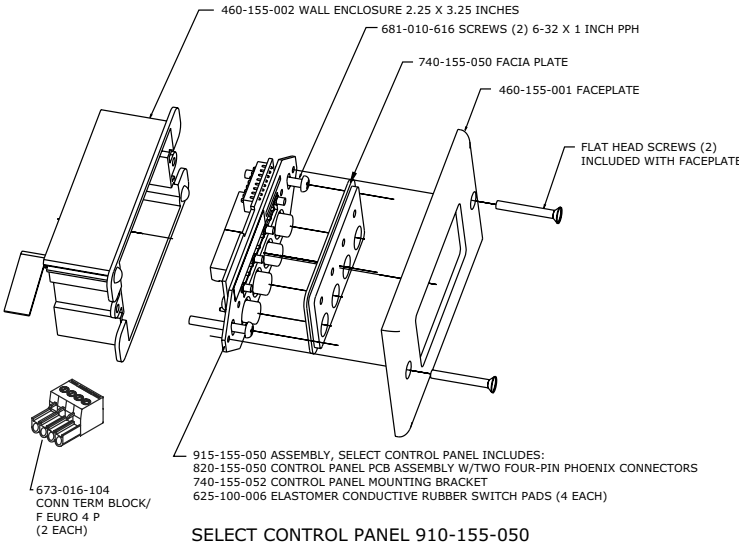
**Power Requirements**  
 Each Control Panel requires  
 +6–15VDC, 30mA operating current maximum  
 The PSR1212, XAP 800, and XAP 400 rear-panel Remote Panel connectors each provide +14.5–15.5VDC and 300mA of operating current.

**RS-485 Connector**  
 Designed to function with the PSR1212, XAP 800, and XAP 400  
 Cable type: Cat five or better  
 Maximum Cable Length: See table below.

**Data Connection Topology**  
 Daisy Chain. Up to 12 Control Panels can be connected to a single PSR1212 or XAP 800 unit (up to six on each of two rear-panel RS-485 Phoenix connectors).

# of Control Panels	Maximum Distance*
1	3,000 ft/914 meters
2	2,500 ft/762 meters
3	1,600 ft/488 meters
4	1,200 ft/366 meters
5	1,000 ft/305 meters
6	800 ft/244 meters

\*Maximum total category five cable run for each host unit Remote Panel connector. Based on cable with a nominal resistance of 27Ω per 1,000' (305 meters). For information about extending beyond 800' (244 meters) total with six Control Panels, call Technical Support at 1-800-283-5936 or 1-801-974-3760.



This equipment complies with the requirements of the European guidelines: 89/336/EEC "Electromagnetic Compatibility" and 93/68/EEC "Electrical operating material for use within specific voltage limits." Conformity of the equipment with the above guidelines is attested by the CE mark.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment must be installed according to applicable local electrical codes.