

ITR-01 Page Override Module Installer Guide

This module is not intended for use with UL Listed Amplifiers For Fire Protection Signaling Systems or Control Units and Accessories for Fire Alarm Systems, Emergency Paging, Mass Notification or Life Safety to NFPA National Electric Code or NFPA 72 National Fire Alarm and Signaling Code.

General Safety Precautions

- Disconnect all electronics from the Juno Tower during installation of this module.
- Do not issue pages over the PA system during installation of this module except as part of the testing and adjustment procedure.
- Do not install or use the module near water or heat sources.
- Protect all cables from wear and damage from staples, foot traffic, doors, and other hazards.
- Use only accessories specified by FrontRow.
- Refer installation and service to qualified personnel.
- Follow all safety guidelines when using ladders.
- Observe all applicable building, electrical, and fire codes when installing any electrical equipment.

ESD Warning



The Juno Tower and/or expansion modules can be damaged by electrostatic discharge (ESD). When handling, care must be taken so that the devices are not damaged. Damage due to inappropriate handling is not covered by the warranty.

The following precautions must be taken when installing the expansion modules:

- Use a conductive wrist strap attached to a good earth ground.
- Always disconnect the power to the Juno from the power outlet.
- Always discharge yourself by touching the grounded bare metal surface or approved anti-static mat before picking up an ESD-sensitive electronic component.
- Use an anti-static mat to cover your work surface.

You will need the following to install this module:

- Access to the primary side of a 25-, 70-, or 100-volt PA speaker (the side that connects to the PA amplifier).
- Two (2) wire nuts.
- Enough wire to connect between the PA speaker and the installed module (18 AWG to 22 AWG stranded twisted pair with outer jacket recommended). Be sure to use plenum-rated wire if it will pass through a plenum space.
- #1 Phillips and small slotted screwdriver.
- An assistant who can make a PA announcement from the central office.

Install the module

1. Unplug the Juno Tower from the power outlet.
2. Lay the Juno Tower down on a flat surface with the back of the Tower facing up. Remove the 8 screws that attach the back panel to the case back and remove the back panel (See Image 1).
3. Locate the area on the lower PCB where the module will be installed (See Image 2).
4. Remove the module from the packaging (See Image 3).

Image 1



Image 2

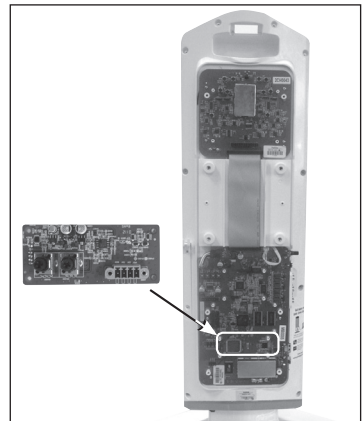
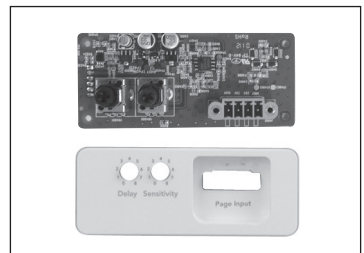


Image 3



Installation - continued

5. Remove terminal block from the module (See Image 4).
6. Connect the 6-pin connector on the Page Override module to the 6 pins on the Tower PCB. Make sure the module board is seated all the way down. Verify that the 6-pin connector and the 4 mounting holes are properly aligned. Attach the module to the Tower PCB using the four included screws (See Image 5).
7. Remove the access panel from the back panel by pressing in on the two tabs (see image 6) and replace with the Page Override module access panel (See Image 7). Then replace the back panel and screws.

Image 4

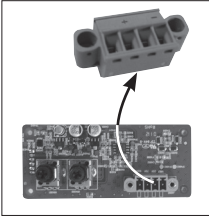


Image 5

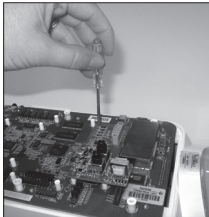
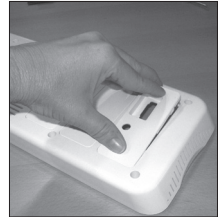


Image 6



Image 7



Confirm voltage of your PA system. Do not install this module unless you have a 25-, 70-, or 100-volt PA system.

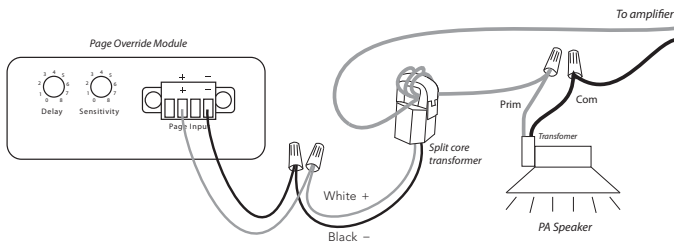
1. Using wire nuts, extend the white and black wires from the split core transformer with enough 18 - 22 AWG wire to reach from the PA speaker to the installed module. Connect the white wire from the split core transformer to the "+" slot in the page input terminal and secure with the connector screw. Connect the black wire from the split core transformer to the "-" slot in the page input terminal and secure with the connector screw (See Image 8).
2. Open the split core transformer.
3. Wrap the **primary** side (the side that connects to the PA amplifier) wire from the PA speaker around the split core transformer. Depending on the voltage of your PA system, follow the guide below for how many times to wrap wire around split core transformer (See Image 8).

IMPORTANT! Wrap ONLY the primary wire around the split core transformer.

• 100-volt: Wrap 1-2 times • 70-volt: Wrap 2-3 times • 25-volt: Wrap 3-4 times

4. Close the split core transformer

Image 8



Test and Adjust

1. Reconnect the power supply to the Juno Tower and turn the power on.
2. Play music or some other continuous audio source through the Juno Tower.
3. While the music is playing, have your assistant make a long announcement over the PA system. Adjust the **sensitivity control** until you just mute the music. When your assistant's announcement stops, the music should return to full volume.
4. While the music is playing, have your assistant make several brief announcements over the PA system. Adjust the **delay control** so that the music is quickly muted when a PA announcement begins and returns after the announcement is complete. The delay range is approximately 1/2 second to 5+ seconds.