

# SWAMP(I)-24X8

## Sonnex™ Multiroom Audio System

### 1 Introduction

The SWAMP-24X8 and SWAMPI-24X8 are audio switcher/amplifiers with 24 inputs and eight output zones.

The SWAMP-24X8 and SWAMPI-24X8 are functionally identical. For simplicity within this guide, the term “SWAMP-24X8” is used except where noted.

### 2 Hardware Hookup

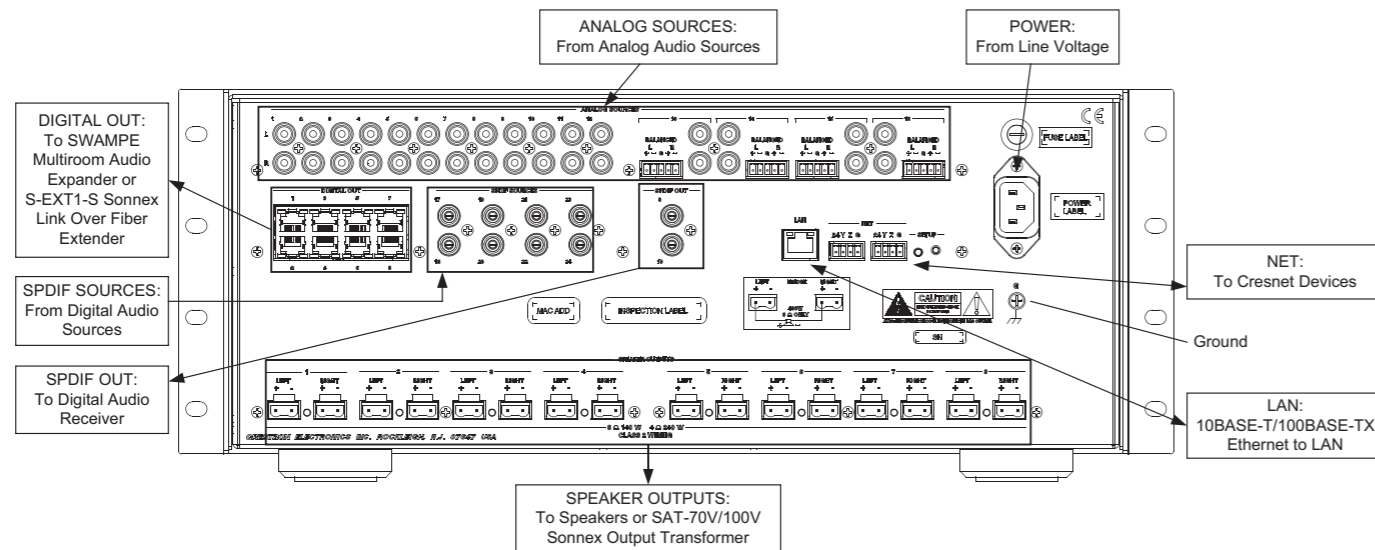
#### Connect the Device

Make connections to the SWAMP-24X8 as shown in the following diagram.

**WARNING:** This device is capable of delivering immense amounts of undistorted power to your loudspeakers. Please use caution and adequate ear protection if listening to content at high volume levels as continued exposure to high sound pressure levels can cause permanent hearing impairment or loss.

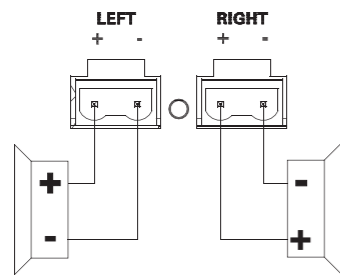
**CAUTION:** Keep the device unplugged until all the input, network, and speaker wiring is complete.

**CAUTION:** Check the speaker wires for shorts and frayed wiring around the **SPEAKER OUTPUTS** connectors.



#### Speaker Connections

Make speaker connections to the SWAMP-24X8 as shown in the following diagram.



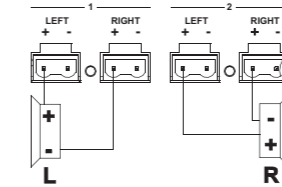
**NOTE:** If the SAT-70V/100V Sonnex Output Transformer is connected to a speaker terminal, use the SAT-70V/100V profile built into the Sonnex Tools application to configure a high-pass filter on the zone that is connected to the SAT-70V/100V. For details, refer to the Sonnex Tools help file.

(Continued on following column.)

### 2 Hardware Hookup (Continued)

#### Bridge Speaker Outputs (Optional)

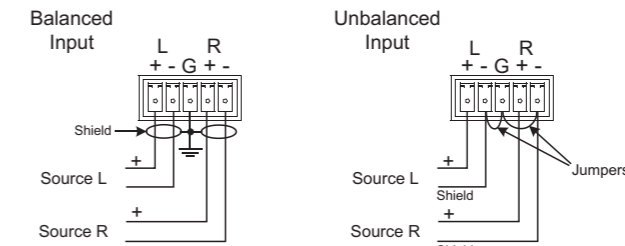
Bridge speaker outputs to deliver more power to a speaker (8 ohm speaker only).



**NOTE:** If speaker outputs are to be bridged, they must be configured for bridged operation using the “Installer Mode” menu or Sonnex Tools. For more information, refer to page 2.

#### Connect Balanced/Unbalanced Audio Sources

Four balanced/unbalanced audio inputs are provided, utilizing five-pin terminal block connectors. For connection details, refer to the following diagrams.

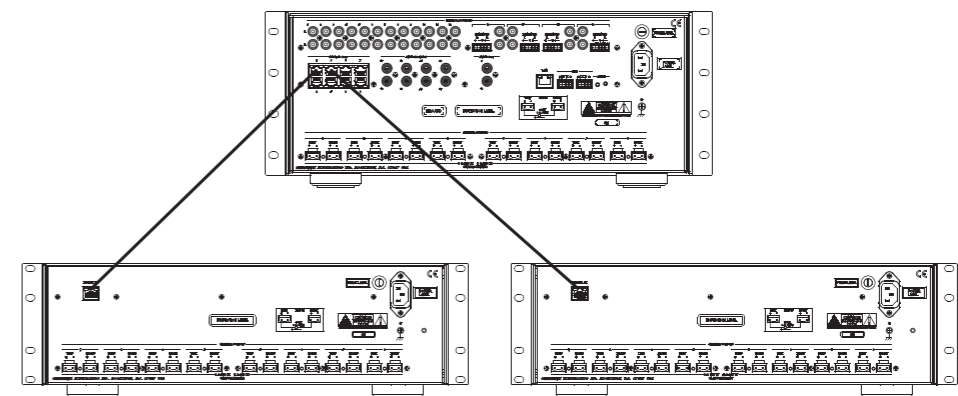


#### Connect SWAMPE Multiroom Audio Expander or S-EXT1-S Link Over Fiber Extender

The SWAMP-24X8 can be connected to a SWAMPE Sonnex Multiroom Audio Expander or S-EXT1-S Sonnex Link Over Fiber Extender via shielded CAT5e cable to increase the number of output zones. Up to eight SWAMPE Sonnex Multiroom Audio Expanders or eight S-EXT1-S Sonnex Link Over Fiber Extenders (connected to a SWAMPE Sonnex Multiroom Audio Expander) can be connected to one SWAMP-24X8.

**NOTE:** When connecting a SWAMP-24X8 to a peripheral, Crestron® recommends using Crestron DM-CBL-8G or high-quality CAT5e shielded twisted-pair cable. Shielded connectors such as the DM-8G-CONN must be used.

**NOTE:** When the SWAMP-24X8 is connected to a control system by Cresnet®, only one SWAMPE Multiroom Audio Expander or one S-EXT1-S Sonnex Link Over Fiber Extender (connected to a SWAMPE Multiroom Audio Expander) can be connected.

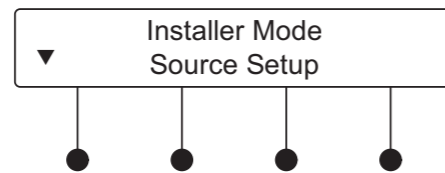


### 3 Configure the SWAMP-24X8

Use the “Installer Mode” menu or the Sonnex Tools software (part of Crestron Toolbox™ software) to configure a Sonnex system.

Use the SWAMP-24X8’s “Installer Mode” menu to configure an entire SWAMP 24X8 system using only the front panel controls.

To enter the “Installer Mode” menu, press and hold the ▼ and ▲ buttons for approximately five seconds. The “Installer Mode” menu is displayed.



Press the ▼ or ▲ buttons to scroll through the available choices below and press **ENTER**.

- **Source Setup:** Select this option to adjust the compensation level for each input source.
- **Zone Setup:** Select this option to configure each output zone’s settings for audio, Sonnex links (busses), bridging (with other outputs) and power output.
- **Expander Status:** Select this option to view the status of each connected SWAMPE Sonnex Multiroom Audio Expander.
- **Amplifier Status:** Select this option to view the settings and operating status of each of the SWAMP-24X8 amplifiers as well as the amplifiers of connected SWAMPE Multiroom Audio Expanders.
- **Network Setup:** Select this option to configure and view the Ethernet settings of the SWAMP-24X8.
- **Control Setup:** Select this option to configure the SWAMP-24X8 for use with a Crestron control system and lock/unlock the front panel controls.
- **About:** Select this option to view information about the firmware.

Alternatively, Sonnex Tools software can be used to quickly configure a system using a simple-to-use graphical interface. For more information, refer to the Sonnex Tools help file.

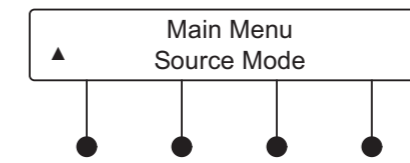
### 4 Control the SWAMP-24X8

The SWAMP-24X8 can be controlled from the front panel or Sonnex Tools software in Crestron Toolbox.

**NOTE:** For more information, refer to the Crestron Toolbox help file.

When operated from the front panel, the SWAMP-24X8 operates in either the *Zone* mode or *Source* mode.

Use the “Main” menu to select *Zone* mode or *Source* mode. To display the “Main” menu, press **MENU** until *Main Menu* appears.



#### Power

Turn on the SWAMP-24X8 by moving the **POWER** switch to |. To turn off the SWAMP-24X8, move the **POWER** switch to ⏻.

#### Zone Mode

The *Zone* mode uses the front panel to route a source signal to a selected zone. To enter the *Zone* mode:

1. From the “Main” menu, press the ▼ or ▲ buttons to display *Zone Mode* and press **ENTER**.
2. Press the **ZONE** button of the zone to be controlled.
3. Press the **SOURCE** button of the source to be routed. The associated **SOURCE** and **ZONE** LEDs light. Alternatively, press the **ZONE** button twice to turn on the zone and connect the last-selected source.
4. Press **MENU** to return to the “Main” menu.

#### Source Mode

The *Source* mode uses the front panel to select a source signal and route it to multiple zones. To enter the *Source* mode:

1. From the “Main” menu, press the ▼ or ▲ buttons to display *Source Mode* and press **ENTER**.
2. Press the **SOURCE** button of the source to be routed. The associated **SOURCE** LED lights.
3. Press the **ZONE** button(s) of the zone(s) to be selected. The associated **ZONE** LED(s) lights. To remove a zone from a source, press the desired **ZONE** button. The associated **ZONE** LED turns off.
4. Press **MENU** to return to the “Main” menu.

#### Volume Control

To raise the volume in the selected zone(s), turn the **VOLUME** knob clockwise. To lower the volume in the selected zone(s), turn the **VOLUME** knob counterclockwise.

The specific patents that cover Crestron products are listed at [www.crestronpatents.com](http://www.crestronpatents.com).

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