SWAMP(I)-24X8

Sonnex® Multiroom Audio System

1 **Introduction**

The SWAMP-24X8 and SWAMPI-24X8 are the centerpieces of a fully scalable audio distribution system that delivers high-output audiophile sound quality to every room with significantly reduced cabling, low power consumption, advanced DSP, and integrator-friendly setup.

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

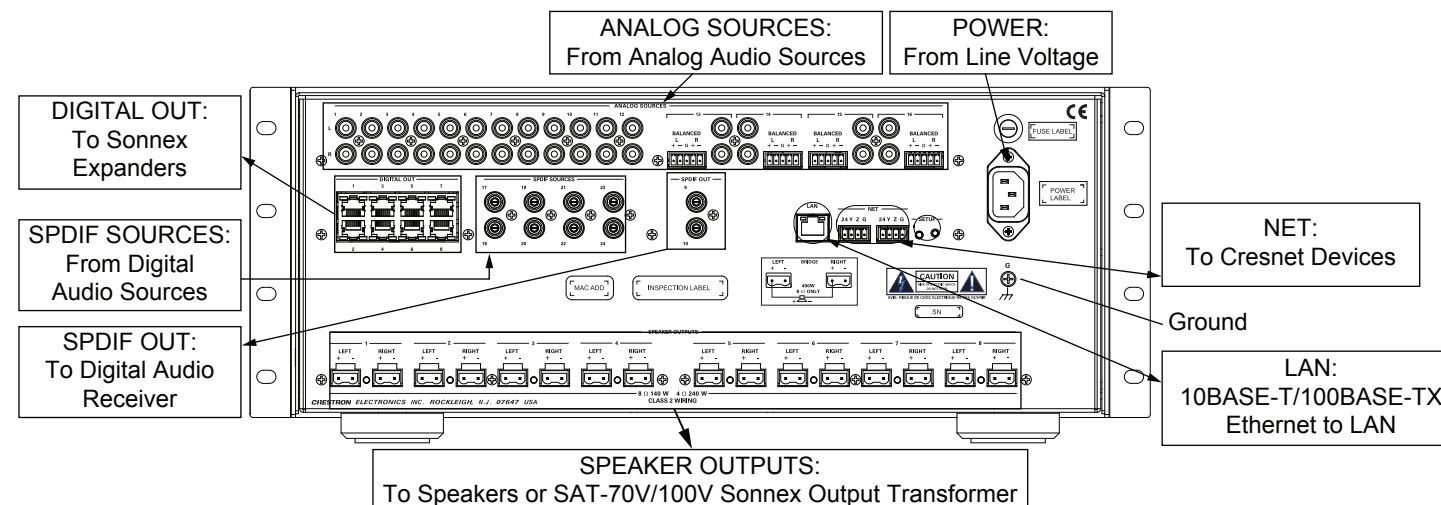Make connections to the SWAMP-24X8 as shown in the following diagram.

⚠️ **WARNING:** This amplifier is capable of delivering immense amounts of undistorted power to the 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.
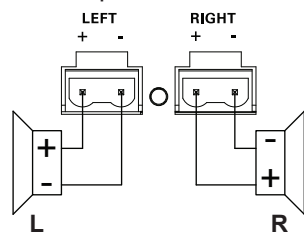
CAUTION: Check the speaker wires for shorts and frayed wiring around the SPEAKER OUTPUTS connectors.

NOTE: When installing the SWAMP24X8, a dedicated 15 amp circuit is strongly recommended. When installing the SWAMPI-24X8, a dedicated 10 amp circuit is strongly recommended.

DIGITAL OUT: To Sonnex Expanders

SPDIF SOURCES: From Digital Audio Sources

SPDIF OUT: To Digital Audio Receiver

ANALOG SOURCES: From Analog Audio Sources

POWER: From Line Voltage

NET: To Cresnet Devices

Ground

LAN: 10BASE-T/100BASE-TX Ethernet to LAN

SPEAKER OUTPUTS: To Speakers or SAT-70V/100V Sonnex Output Transformer
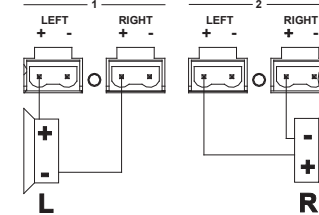
Speaker Connections

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.
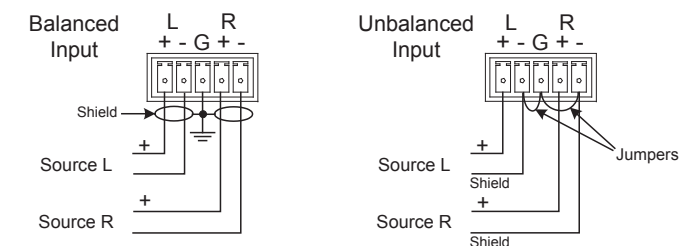
Bridge Speaker Outputs (Optional)

Bridge speaker outputs to deliver more power to the speakers (8 ohm speakers 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 section ❸ "Configuration" on page 2.

Connect Balanced/Unbalanced Audio Sources

Four balanced/unbalanced audio inputs are provided, utilizing 5-pin terminal block connectors. For connection details, refer to the following diagrams.
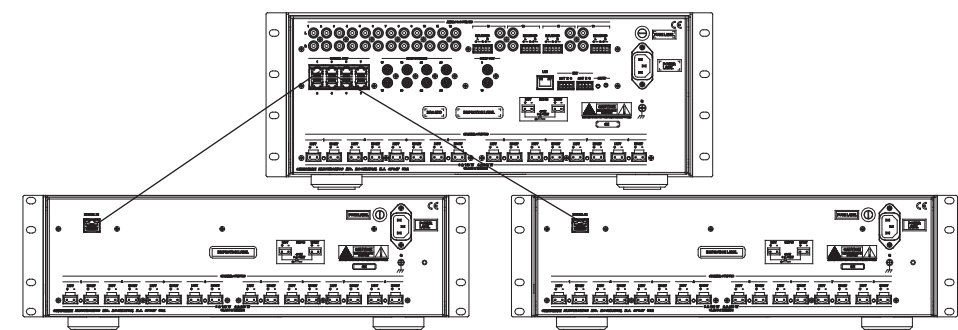

Connect Sonnex Link Devices

To increase the number of output zones, the SWAMP-24X8 can connect to Sonnex expanders via shielded CAT5e cable. Up to eight Sonnex expanders can be connected to one SWAMP-24X8.

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

NOTE: When the SWAMP-24X8 is connected to a control system by Cresnet®, only one Sonnex expander can be connected.

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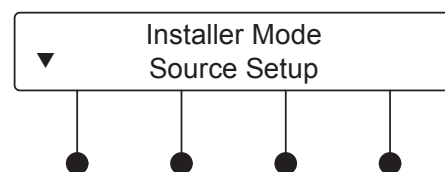For details, refer to the SWAMP(I)-24X8 Operations Guide, Doc. 7049.

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Specifications subject to change without notice.

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quickstart guide

3 ### Configuration

Use the **Installer Mode** menu or the Sonnex Tools software (part of Crestron Toolbox™) 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 ▼ and ▲ for approximately 5 seconds. The **Installer Mode** menu is displayed.

```
▼    Installer Mode
     Source Setup
```

The **Installer Mode** menu is separated into seven menus:

- **Source Setup** adjusts the compensation level for each of the input sources.
- **Zone Setup** configures each output zone's settings for audio, Sonnex links (busses), bridging (with other outputs), and power output.
- **Expander Status** provides the status of each connected SWAMPE Sonnex Multiroom Audio Expander.
- **Amplifier Status** shows the settings and operating status of each of the SWAMP-24X8 amplifiers as well as the amplifiers' statuses of connected SWAMPE Sonnex Multiroom Audio Expanders.
- **Network Setup** configures and views the Ethernet settings of the SWAMP-24X8.
- **Control Setup** configures the SWAMP-24X8 for use with a Crestron control system and locks and unlocks the front panel controls.
- **About** displays information about the firmware.

Press ▼ or ▲ to display the desired menu, and then press **ENTER** to select it.

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.
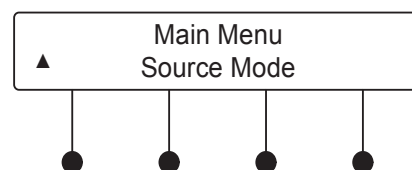
4 ### Operation

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 controlled from the front panel, the SWAMP-24X8 operates in either 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.

```
▲    Main Menu
     Source Mode
```

Power

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

Zone Mode

Use the front panel to route a source signal to a selected zone as follows:

1. From the **Main Menu**, press ▼ or ▲ 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 and the display shows the zone's selected source. Alternatively, press the **ZONE** button twice to turn on the zone and connect the source that was selected last.
4. To turn off the zone, press the **ZONE** button.
5. Press **MENU** to return to the **Main Menu**.

Source Mode

Use the front panel to select a source signal and route it to multiple zones as follows:

1. From the **Main Menu**, press ▼ or ▲ 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.
4. To remove a zone from a source, press the desired **ZONE** button. The associated ZONE LED turns off.
5. 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.

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For details, refer to the SWAMP(I)-24X8 Operations Guide, Doc. 7049.

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