

X-Series Media Presentation Amplifier

The Crestron® [AMP-X50MP](#) is a compact, efficient stereo amplifier for media presentation systems. It features a surface-mountable design that installs virtually anywhere without requiring an equipment rack. A knob cover is included with the product to protect against accidental changes to the front panel settings.



Install

The amplifier can be mounted or placed on a surface. The attached brackets can be removed or reversed for use in any installation.

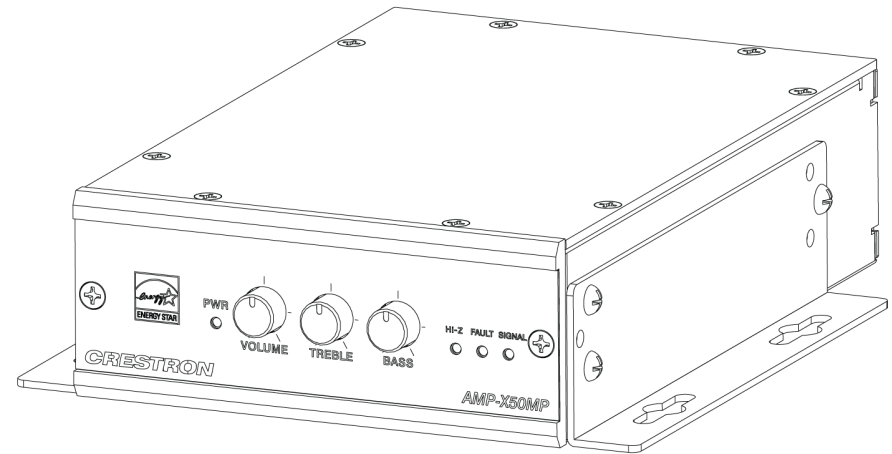


In the Box

- 1 AMP-X50MP, Media Presentation Audio Amplifier

Additional Items

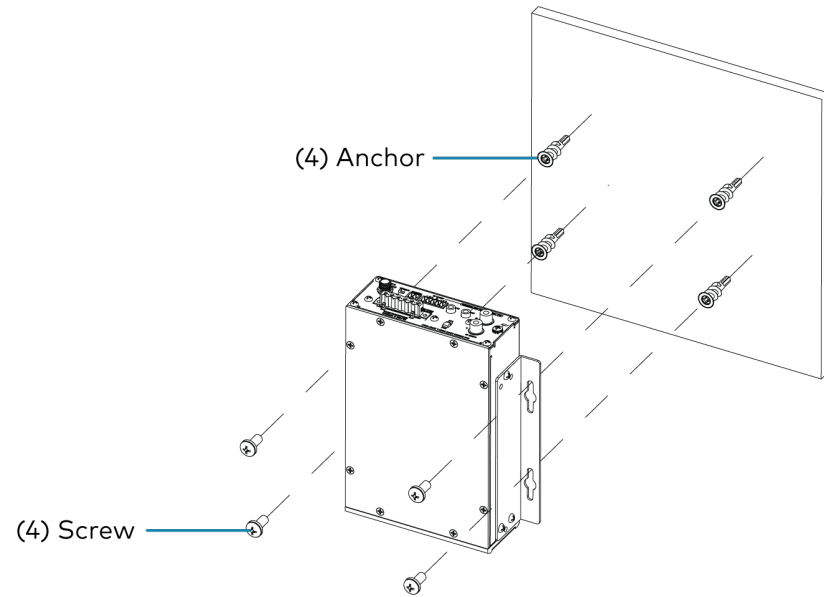
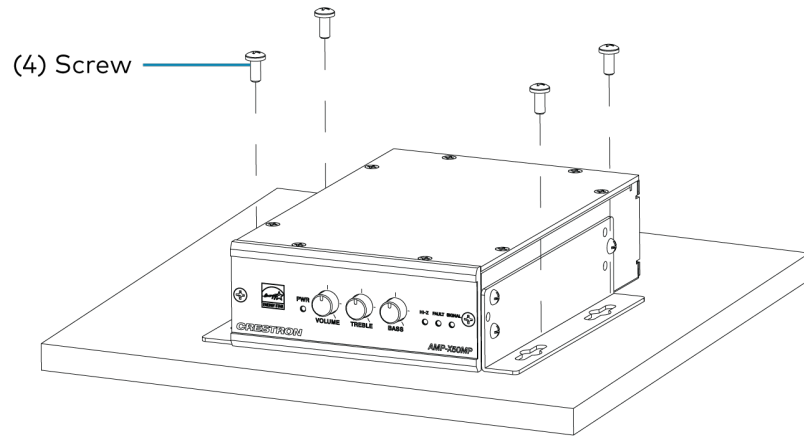
- 1 Connector, Speaker, 6-position (2055654)
- 1 Connector, Input, 5-position (2055650)
- 1 Connector, Remote, 2-position (2003574)
- 4 Anchors (2053825)
- 4 Screws, Mounting (2054601)
- 6 Screw, 06-32 x 3/8 in., Pan Head, Phillips (2007225)
- 4 Foot, Adhesive, Black (2055653)
- 1 Power Adapter (2055651)
- 1 Power Cord (2055652)
- 1 Knob Cover (2057642)



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Surface Mount

Use the included mounting screws and anchors to mount the amplifier on a surface.



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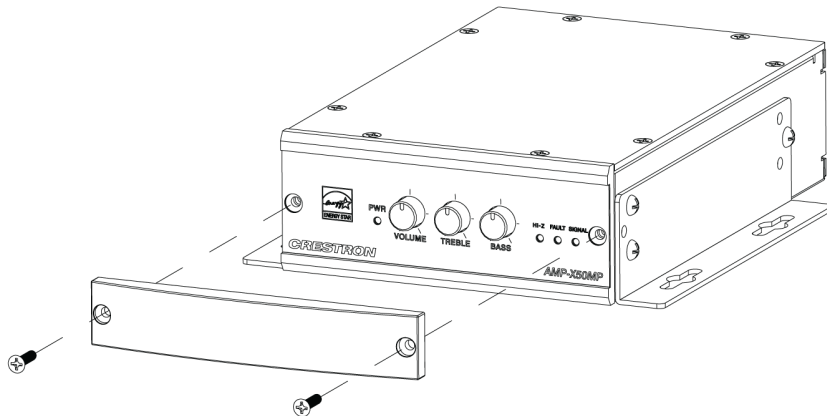
Surface Placement

Attach the included feet to the amplifier if it is to be placed on a flat surface.

Knob Cover

To attach the knob cover:

1. Remove and retain the two screws from the front panel.
2. Place the knob cover over the front panel and attach it using the screws removed in step 1.



Connect

Make the necessary connections as called out in the following diagrams. Connect power last.

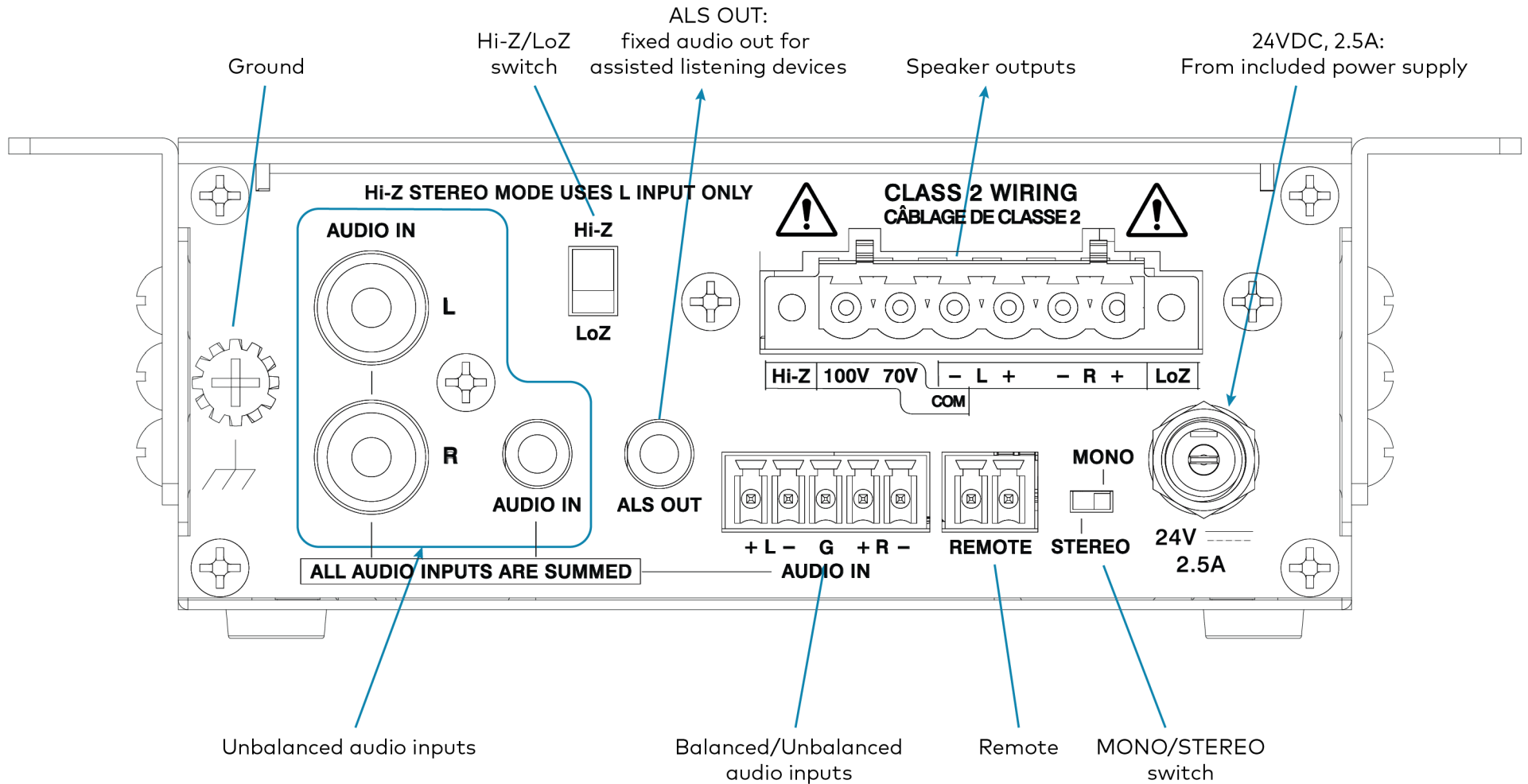
CAUTIONS:

- Keep the device unplugged until all of the input and speaker wiring is complete.
- Check the speaker wires for shorts and frayed wiring around the speaker output connector.

NOTE:

Ensure that the unit is properly grounded by connecting the chassis ground lug to an earth ground (building steel).

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Input Wiring

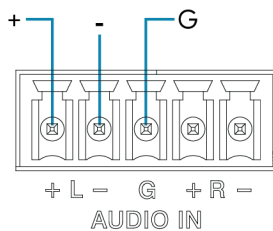
The amplifier inputs can be wired for stereo or mono audio using balanced and unbalanced connections.

The audio inputs are summed as follows in Hi-Z (70V/100V) and LoZ (4 ohm or 8 ohm) operation:

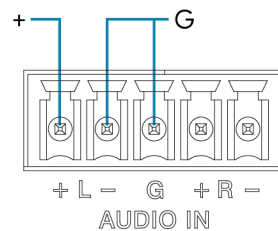
- Left channel summing
 - Left input channel of terminal block (AUDIO IN +L-)
 - Left RCA input channel (AUDIO IN L)
 - Left channel of 3.5 mm audio input (AUDIO IN)
- Right channel summing
 - Right input channel of terminal block (AUDIO IN +R-)
 - Right RCA input channel (AUDIO IN R)
 - Right channel of 3.5 mm audio input (AUDIO IN)

Balanced and Unbalanced Audio

The amplifier can receive balanced audio through the terminal block connector and unbalanced audio through the terminal block connector, RCA connectors, or the 3.5 mm connector. Refer to the following diagrams when wiring the terminal block connectors.



Balanced wiring



Unbalanced wiring

LoZ Operation

When the amplifier is set to LoZ operation (4 ohm or 8 ohm), the MONO/STEREO switch affects the input signals as follows:

- When set to **STEREO**, the amplifier will maintain separation of the left and right audio input channels for stereo output.
- When set to **MONO**, the amplifier will sum the left and right audio input channels for mono output.

Hi-Z Operation

When the amplifier is set to Hi-Z operation (70V/100V), the MONO/STEREO switch affects the input signals as follows:

- When set to **STEREO**, the amplifier will only use the left audio input for mono output.
- When set to **MONO**, the amplifier will sum the left and right audio input channels for mono output.

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Speaker Connection

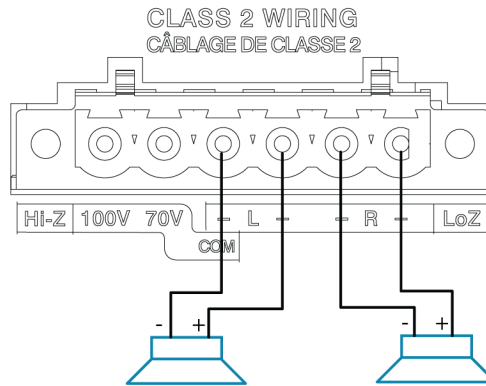
The amplifier can be configured for low impedance (4/8 Ω) or high impedance (70V/100V) operation. Refer to the following diagrams:

Low Impedance (4/8 Ω, Mono or Stereo)

Hi-Z/LoZ switch: LoZ

Set the **MONO/STEREO** switch to **MONO** to sum the left and right channels for mono output.

Set the **MONO/STEREO** switch to **STEREO** to maintain separation of the left and right input channels for stereo output.

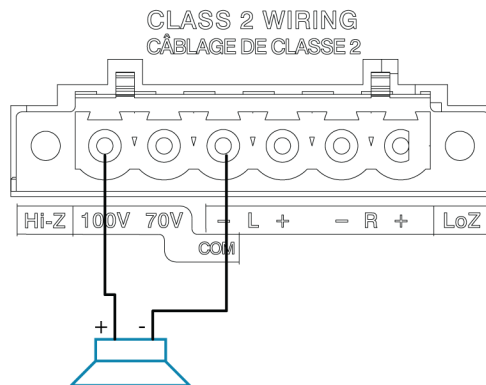


High Impedance (100V, Mono Only)

Hi-Z/LoZ switch: Hi-Z

Set the **MONO/STEREO** switch to **MONO** to sum the left and right input channels for mono output.

Set the **MONO/STEREO** switch to **STEREO** to only use the left input channel for mono output.

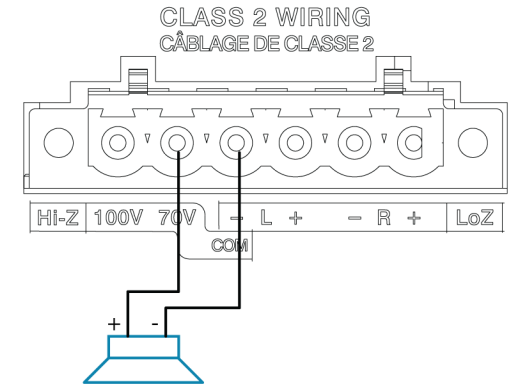


High Impedance (70V, Mono Only)

Hi-Z/LoZ switch: Hi-Z

Set the **MONO/STEREO** switch to **MONO** to sum the left and right input channels for mono output.

Set the **MONO/STEREO** switch to **STEREO** to only use the left input channel for mono output.

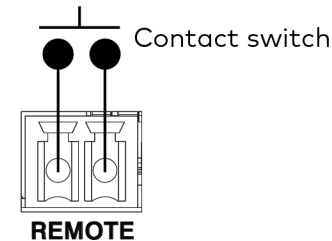


ALS OUT

The ALS OUT port provides a fixed audio output that preserves left and right channel separation for use with assisted listening devices. It is not affected by adjustments to volume, bass, or treble.

Remote Control

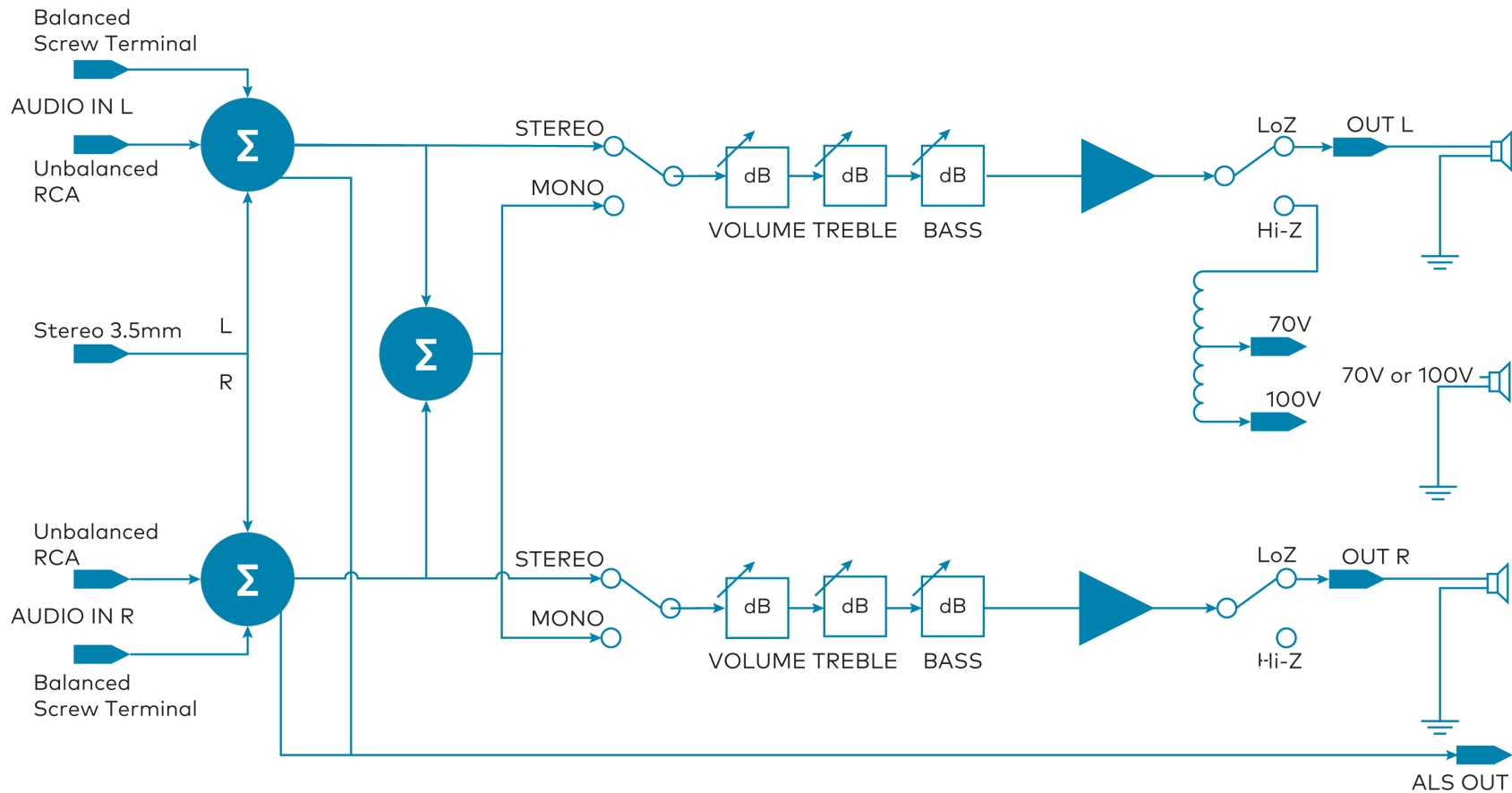
The amplifier can be remotely placed in standby mode by a dry contact closure connected to the REMOTE port.



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Block Diagram

Refer to the following diagram for details on stereo, summed, LoZ, and Hi-Z signal flows.



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Configure

Hi-Z/LoZ Switch

The amplifier can be configured to work with 4/8 Ω low impedance (LoZ) loads or a distributed audio high impedance (Hi-Z) 70V/100V system.

- **LoZ:** Set the switch to **LoZ** to use the amplifier with 4/8 Ω low impedance loudspeakers.
- **Hi-Z:** Set the switch to **Hi-Z** to use the amplifier in a 70V/100V distributed audio system. The Hi-Z LED on the front panel will illuminate.

MONO/STEREO Switch

The MONO/STEREO switch operates as described below for LoZ and Hi-Z operation:

- **LoZ Operation**
 - **STEREO:** Set the switch to **STEREO** to maintain separation of the left and right audio input channels for stereo output.
 - **MONO:** Set the switch to **MONO** to sum the left and right channels for mono output.
- **Hi-Z Operation**
 - **STEREO:** Set the switch to **STEREO** to only use the left input channel for mono output.
 - **MONO:** Set the switch to **MONO** to sum the left and right channels for mono output.



Operate

Once the amplifier has been wired and configured, it is ready for operation.

Apply Power

Apply power to complete the installation.

LED Behavior

The LEDs on the front panel provide the following information:

- **PWR:** When white, the amplifier is operating normally. When red, the amplifier is in standby mode.
- **Hi-Z:** When white, the Hi-Z mode is enabled (70V/100 V). When off, the LoZ mode is enabled.
- **FAULT:** When red, a fault is present or output protection is enabled.
- **SIGNAL:** When white, indicates the presence of an audio signal. When red, the input signal is too high and should be lowered.

Adjust the Output

Adjust the **VOLUME**, **BASS**, and **TREBLE** controls to the desired levels.

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Visit the Product Page

Scan the QR code to visit the product page.

AMP-X50MP



www.crestron.com/model/6511106

Additional Information

Original Instructions

The U.S. English version of this document is the original instructions.

All other languages are a translation of the original instructions.

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