



Owner's Manual Audio System Series 500 Stage Monitor Option



Audio System Series 500 Stage Monitor Option — Monitor Loudspeaker cables, internal cables, and hardware are not shown.

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Thank you for purchasing a Wenger Audio System Series 500 Stage Monitor Option. This document serves as a quick start guide. Please refer to each manufacturer's owner's manual for additional information. Please contact Wenger Corporation Customer Service with any questions at 1-800-887-7145.

WARRANTY

Wenger Corporation will act as a contact and provide support for the Audio System Series 500 Stage Monitor Option. Call Wenger Corporation Customer Service with any questions or problems at 1-800-887-7145. While Wenger Corporation will coordinate customer service with each component manufacturer, the manufacturer of each Audio System Series 500 Stage Monitor Option component is responsible for that component warranty. There are several manufacturer's warranty cards accompanying this manual. It is important to fill out these warranty cards and register each with each manufacturer within 30 days after receipt of the system.

The warranty for each component is as follows:

<u>Component</u>	<u>Warranty</u>
Community XP505 Monitor Loudspeaker	5 Years
QSC PLX1602 Amplifier	3 Years
Rane ME15B Graphic Equalizer	2 Years

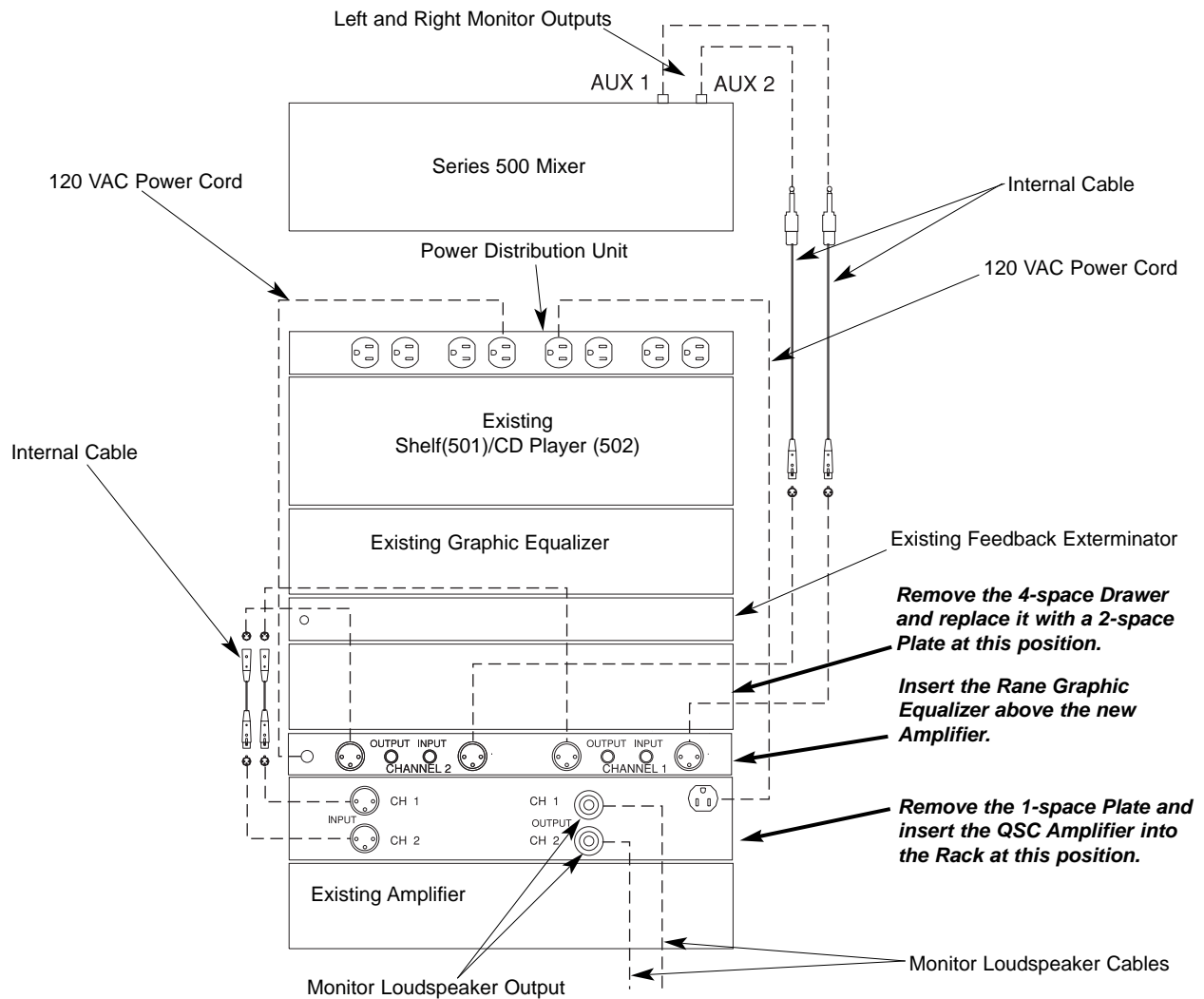
MANUFACTURER'S OWNER MANUALS

The following manufacturer's owner manuals are contained in this binder.

- Community XLT Series Quick Start Manual
- QSC Audio PLX™ Series Amplifier User Manual
- Rane ME15B microGraphic Equalizer Operators Manual

INSTALLATION

CONNECTION DIAGRAM



Series 500 Audio System Stage Monitor Option Connection Diagram

BEFORE STARTING INSTALLATION

1. Insert this manual and the manufacturer's Owner's Manuals (included in the shipping cartons) into the Audio System Series 500 Binder that came with the Audio System.
2. Please read and understand this entire document.
3. Refer to the illustrations on the following pages. If you need additional information about your Stage Monitor Option, write, telephone or email Wenger Corporation.
4. Refer to the Manufacturer's documentation for addition operation information.
5. Fill out the Amplifier and Graphic Equalizer warranty cards with the appropriate serial numbers and mail to each Manufacturer. These warranty cards must be registered with the manufacturers within 30 days of receipt of the Stage Monitor Option.
6. Before starting the installation, disconnect power from the Series 500 Audio System Power Distribution Unit (remove the power cord from the 120VAC power source).

INSTALLATION CONTINUED

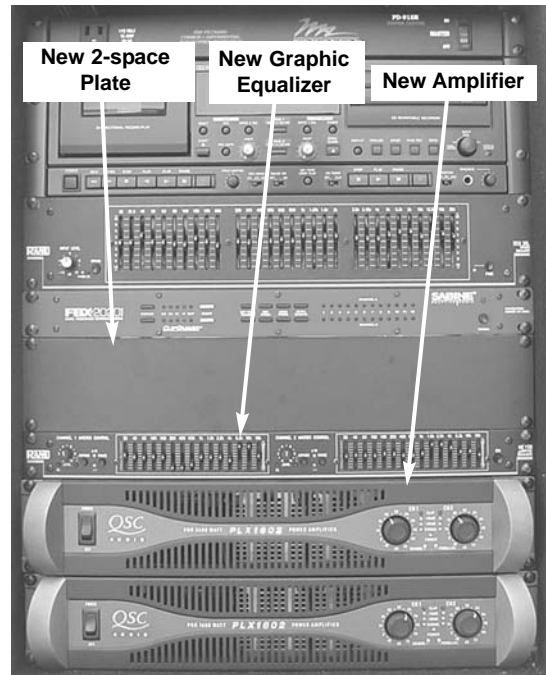
INSTALL THE AMPLIFIER AND EQUALIZER

Refer to the Connection Diagram on page 3 which shows the finished position of the Stage Monitor Option components and how the components are connected to the Series 500 Audio System.

1. Remove the Screws that attach the 1-space Plate and the 4-space Drawer to the Audio System Rack. Set aside the screws, the 1-space Plate, and the 4-space Drawer.
2. Attach the 2-space Plate included with the hardware package to the Rack just below the existing Feedback Exterminator (refer to the illustration below right and on page 3) using four Screws set aside in step 1.
3. Insert the Rane ME15B Graphic Equalizer into the Rack just below the 2-space Plate.
4. Attach the Graphic Equalizer to the Rack with four Screws (10-32x3/4") contained in the hardware bag.
5. Insert the QSC PLX1602 Amplifier into the Rack below the new Graphic Equalizer and above the existing Amplifier.
6. Attach the new Amplifier to the Rack with four Screws (10-32x3/4") contained in the hardware bag.



Before installing Stage Monitor Option



After installing Stage Monitor Option

CONNECTION

1. Using a pair of Internal Cables, connect the Series 500 Mixer **AUX 1** and **AUX 2** to the Graphic Equalizer **CHANNEL 1 INPUT** and **CHANNEL 2 INPUT** connectors.
 2. Connect the Power Cord from the Graphic Equalizer to an unused receptacle on the Power Distribution Unit.
 3. Using a pair of Internal Cables, connect the Rane ME15B Graphic Equalizer **CHANNEL 1 OUTPUT** and **CHANNEL 2 OUTPUT** to the Amplifier **CHANNEL 1 INPUT** and **CHANNEL 2 INPUT** connectors.
 4. Connect the Power Cord from the Amplifier to an unused receptacle on the Power Distribution Unit.
 5. Using the pair of Monitor Loudspeaker Cables, connect the Amplifier **CHANNEL 1 OUTPUT** connector to a Community XP505 Monitor Loudspeaker **INPUT** connector and the Amplifier **CHANNEL 2 OUTPUT** connector to the other Community XP505 Monitor Loudspeaker **INPUT** connector.
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SETUP

BEFORE OPERATING

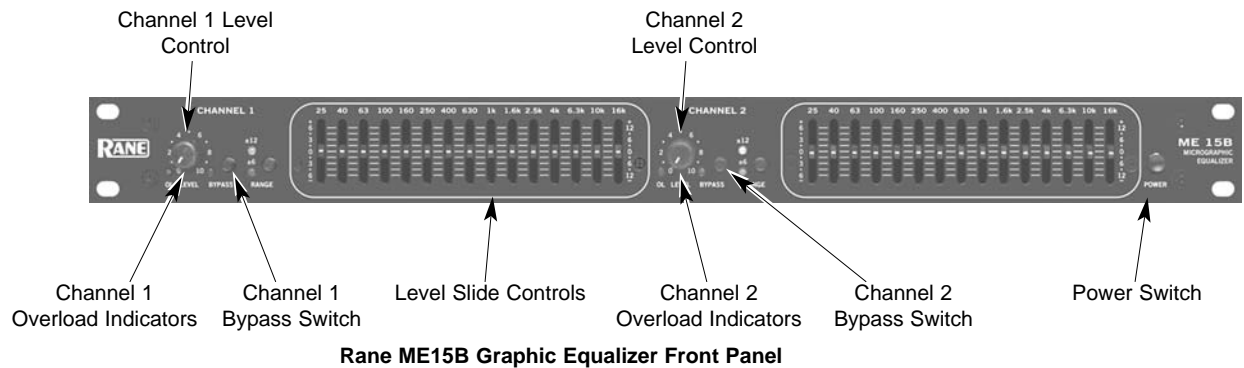
Refer to the Audio System Series 500 Owner's Manual and the Spirit Series FX16 Users Guide for additional information regarding set up and component connections.

1. Make sure the Audio System Power Distribution Unit On-Off Switch is in the **OFF** Position.
2. Connect a power cord from the Power Distribution Unit to a grounded 120 VAC power source. All components are powered by this component.
3. Connect the QSC PLX1602 Amplifier **CHANNEL 1 OUTPUT** connector to a Community XP505 Monitor Loudspeaker **INPUT** connector and the Amplifier **CHANNEL 2 OUTPUT** connector to the other Community XP505 Monitor Loudspeaker **INPUT** connector.
4. Make sure that the QSC PLX1602 Amplifier, the Rane ME15B Graphic Equalizer, and the Series 500 Mixer are connected as outlined on page 4, *Connection*, steps 1 to 5.

INITIAL GRAPHIC EQUALIZER SETTINGS

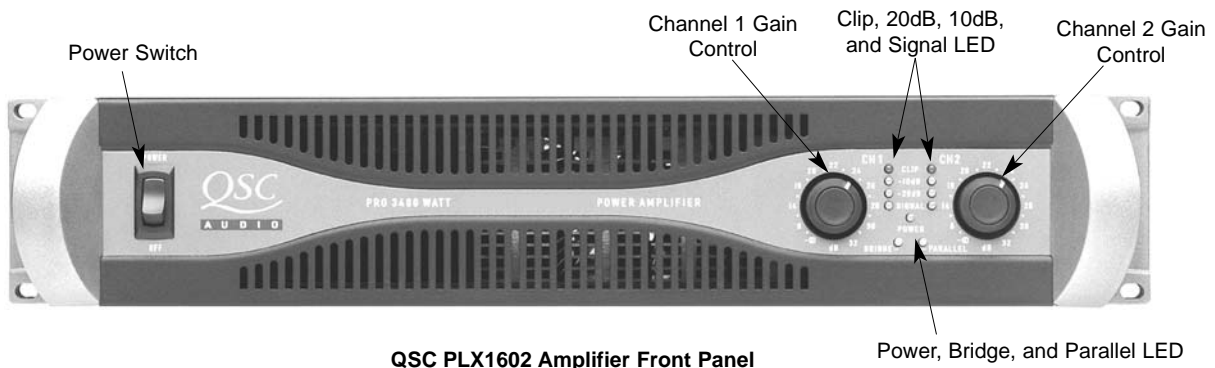
Refer to the Audio System Series 500 Owner's Manual and the Spirit Series FX16 Users Guide for additional information regarding settings and power up procedures.

1. Make sure that all power switches are **OFF**.
2. Depress the **CHANNEL 1** and **CHANNEL 2 BYPASS** switches.
3. Place the Level Slide Controls for both channels to the mid-position (0 dBA.).
4. Place the **CHANNEL 1** and **CHANNEL 2 LEVEL** controls at the mid-position (about 12 o'clock).



INITIAL AMPLIFIER SETTINGS

1. Make sure that the power switch is **OFF**.
2. Set the **CHANNEL 1** and **CHANNEL 2 GAIN** controls to zero (fully counterclockwise).



SETUP CONTINUED

POWER UP PROCEDURE

1. Connect Power Distribution Unit power cord to a grounded 120VAC receptacle.
 - a. Power up the mixer, audio sources, or musical instruments. Refer to the Audio System Series 500 Owner's Manual and other Series 500 component manufacturer's User Guides for operating information.
2. Apply a signal to the system and adjust all Audio System components settings to performance levels.
3. Turn on power to the Rane Graphic Equalizer.
 - a. Make sure that the **OVERLOAD** indicators are not illuminated. Occasional flashes are normal for very loud operation. However, if an **OVERLOAD** LED stays illuminated, reduce the **CHANNEL LEVEL** controls.
4. Turn on power to the QSC Amplifier.
 - a. The yellow **CHANNEL 1 SIGNAL** and the **CHANNEL 2 SIGNAL** LED will illuminate if channel input signals are detected.
 - b. Turn the **CHANNEL 1 GAIN** and **CHANNEL 2 GAIN** controls clockwise until the desired monitor loudspeaker volume is achieved.
 - c. Make sure that the **CHANNEL 1 CLIP** and **CHANNEL 2 CLIP** LED are not illuminated. Occasional flashes are normal for very loud operation. However, if a **CHANNEL 1 CLIP** or **CHANNEL 2 CLIP** LED stays illuminated, reduce the **CHANNEL 1 GAIN** or **CHANNEL 2 GAIN** level.
5. Release the Rane Graphic Equalizer **CHANNEL 1 BYPASS** and **CHANNEL 2 BYPASS** switches (the upper position).
 - a. Adjust the Equalizer Bands for channel 1 and channel 2.
 - b. Compare the signal loudness with the **CHANNEL 1 BYPASS** and **CHANNEL 2 BYPASS** switches pressed and then released.
 - c. Adjust the **CHANNEL 1 LEVEL** and **CHANNEL 2 LEVEL** controls until the signal loudness is equal when the **CHANNEL 1 BYPASS** and **CHANNEL 2 BYPASS** switches pressed and released.
 - d. Make sure that the **OVERLOAD** indicators are not illuminated. Occasional flashes are normal for very loud operation. However, if an **OVERLOAD** LED stays illuminated, reduce the **CHANNEL LEVEL** controls.
6. Check the XL505 Monitor Loudspeakers.
 - a. The green LED should be lighted indicating that a signal is present.
 - b. The yellow LED illuminates when the speaker is in the the first stage of protection. This is a warning to reduce the level.
 - c. Make sure that the red LED is not illuminated indicating that the speaker is overdriven.

TROUBLESHOOTING

Refer to each manufacturer's owner manual in the binder for detailed troubleshooting information.

1. Verify all cables are firmly connected.
2. Verify power is supplied to all components. Are there visible lights on each component?
3. Verify channels on the power amplifier are turned up. They should be set about three-quarters of the way up (turned clockwise).
4. Verify mixer settings are set so that volume sources are loud enough to hear an audible signal.

REPLACEMENT PARTS

<u>Audio System Series 500 Stage Monitor Option</u>	<u>Qty</u>	<u>Audio System Series 500 Stage Monitor Option</u>	<u>Qty</u>
Community XL505 Loudspeaker	2	Rane ME15B Graphic Equalizer	1
Monitor Loudspeaker Cables	2	Internal Cables, XLR connectors	2
QSC PLX1602 Amplifier	1	Screw, 10-32x3/4"	8
Internal Cables, XLR connectors to 1/4" connectors	2	Plate, 1-space	1
