

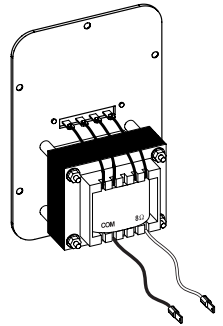


# AC-TX64

70 Volt/100 Volt Transformer Panel  
for VR61 and VR62 Loudspeakers  
and the CLA37 Column Loudspeaker

# AC-TX128

70 Volt/100 Volt Transformer Panel  
for VR21 and VR51 Loudspeakers



# 1. SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. The entire sound system must be designed in compliance with the current standards and laws regarding electrical systems.
12. When installing and using this apparatus, keep in mind the technical specifications indicated in the dedicated section of the manual.



*The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the apparatus.*



**WARNING!** *This equipment has been designed to be installed by qualified professionals only! There are many factors to be considered when installing professional sound reinforcement systems, including mechanical and electrical considerations, as well as acoustic coverage and performance. EAW Commercial strongly recommends that this equipment be installed only by a professional sound installer or contractor.*

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# 2. INTRODUCTION

Congratulations on the purchase of your new EAW Commercial 70 Volt/100 Volt transformer panel. These panels allow you to configure the VR Series Loudspeakers and the CLA37 Column Loudspeaker for use in 70 Volt or 100 Volt distributed systems.

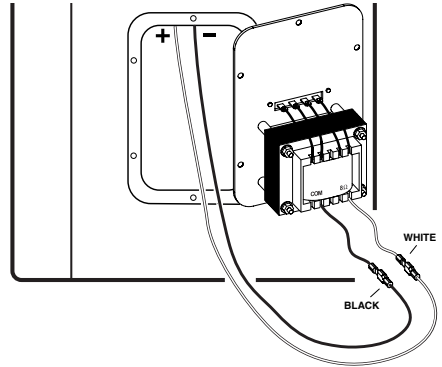
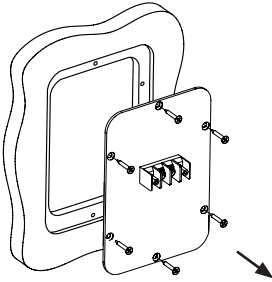
- The AC-TX64 transformer panel can be used in the VR61, VR62 or CLA37 Loudspeakers, in place of the input terminal plate.
- The AC-TX128 transformer panel can be used in the VR21 or VR51 Loudspeakers.

# 3. INSTALLATION

## Unpacking and Inspection

Visually inspect the outside of the shipping carton and check for any shipping damage. After unpacking, if you find concealed damage, save the packing materials for the carrier's inspection, notify the carrier immediately, and file a shipping damage claim. Although EAW Commercial will help in any way possible, it is always the responsibility of the receiving party to file any shipping damage claim. The carrier will help prepare and file this claim.

## Installation Procedure



1. Remove any external speaker wires from your Loudspeaker's input terminals, and remove the six screws securing the input panel.
2. Remove the internal wires from the back of the input panel, and put the input panel in a safe place for future use.
3. Connect the Positive (white) wire from the Loudspeaker to the white wire from the transformer.
4. Connect the Negative (black) wire from the Loudspeaker to the black wire from the transformer.
5. Fit the transformer panel to the Loudspeaker, with the transformer inside, and secure using the six screws from step 1. Make sure the two wires are not accidentally pinched.



**NOTE:** For the CLA37, the transformer panel must be installed upside down, so the transformer is at the top, and does not interfere with the CLA37 drivers.



# 4. CONNECTIONS

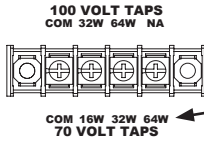
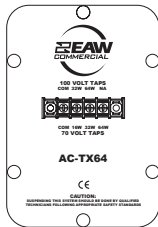


**WARNING:** To prevent the risk of electric shock, do not connect the loudspeaker with the amplifier switched on. Never touch the bare wires coming from the output terminals of the amplifier when it is switched on. When the connections have been made, add the protective insulated cover over the screw terminals of each transformer panel in your system, and over the amplifier output terminals.

- The connectors on the transformer plate are screw terminals.
- Strip the loudspeaker wiring back about 1/2", loosen the screw enough to loop the wire around the shaft of the screw (clockwise), and tighten down the screw with a screwdriver.
- In a constant-voltage distribution system, all the loudspeakers are connected in parallel. This makes it easy to add or remove loudspeakers from the system without having to recalculate the impedance of the load on the amplifier.
- Add up the power ratings of the taps you are using, and make sure the total power adds up to no more than 90% of the rated output power of the amplifier being used.

## AC-TX64

- The AC-TX64 can be used with the VR61, VR62 and the CLA37 Loudspeakers.



COM 16W 32W 64W 70 VOLT TAPS

When using with a 70 V distribution system, read the bottom row of markings. Connect

either the 16 W, 32 W, or 64 W terminal to the positive "+" side of the 70 V system, and connect the COM terminal to the negative "-" side of the 70 V system.

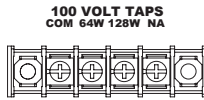
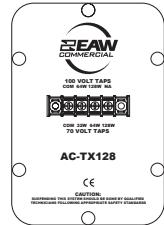
- When using with a 100 V distribution system, read the top row of markings. Connect either the 32 W or 64 W terminal to the "+" side of the 100 V system, and connect the COM terminal to the "-" side of the 100 V system.



DO NOT use the terminal labeled "NA" in a 100 V system.

## AC-TX128

- The AC-TX128 can be used with the VR21 and VR51 Loudspeakers.



COM 32W 64W 128W 70 VOLT TAPS

When using with a 70 V distribution system, read the bottom row of markings. Connect

either the 32 W, 64 W, or 128 W terminal to the positive "+" side of the 70 V system, and connect the COM terminal to the negative "-" side of the 70 V system.

- When using with a 100 V distribution system, read the top row of markings. Connect either the 64 W or 128 W terminal to the "+" side of the 100 V system, and connect the COM terminal to the "-" side of the 100 V system.

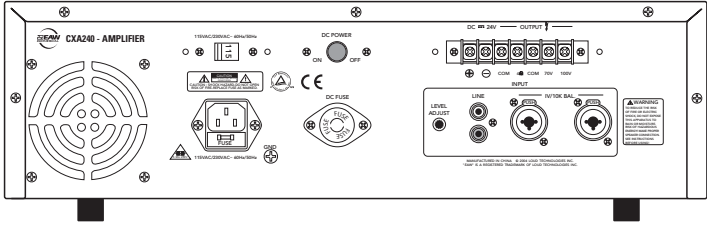


DO NOT use the terminal labeled "NA" in a 100 V system.



# 5. EXAMPLES

The diagrams below show the EAW Commercial CXA 240 Paging Amplifier.



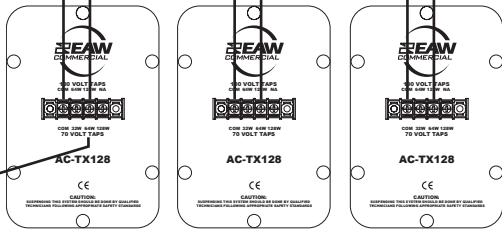
This amplifier has an output power of 240 W, so the sum of all the loudspeaker power taps being used should not exceed 90% of this, i.e., 216 W.

**70 V System:** Use the amplifier output terminals COM and 70 V, and use Class I wiring:

### AMPLIFIER OUTPUT TERMINALS



In this example of a 70 V system, each loudspeaker fitted with an AC-TX128 panel uses up to 64 W of the amplifier's output.

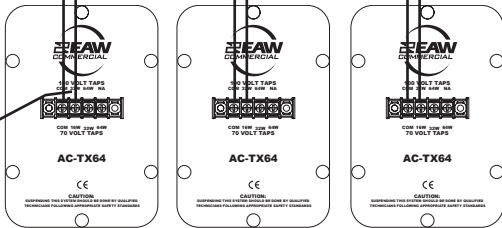


**100 V system:** Use the amplifier output terminals COM and 100 V, and use Class I wiring:

### AMPLIFIER OUTPUT TERMINALS



In this example of a 100 V system, each loudspeaker fitted with an AC-TX64 panel uses up to 32 W of the amplifier's output.



# 6. SPECIFICATIONS

Model	AC-TX64	AC-TX128
70 Volt Taps	16 W, 32 W, 64 W	32 W, 64 W, 128 W
100 Volt Taps	32 W, 64 W	64 W, 128 W
Fits these Loudspeakers:	VR61, VR62, CLA37	VR21, VR51

# 7. SERVICE

If this product should require servicing, please follow these instructions:

1. Call EAW Commercial Tech Support at 1-888-337-7404, 7 am to 5 pm PST (Monday-Friday), to verify the problem and obtain a Service Request Number. Be sure to have the serial number of the unit when you call. You must have a Service Request Number in order to obtain warranty service at the factory or at an authorized service center. You can also e-mail EAW Commercial Tech Support at: [support@eawcommercial.com](mailto:support@eawcommercial.com)
2. Pack the unit in its original packaging. THIS IS VERY IMPORTANT. LOUD Technologies is not responsible for any damage that occurs during shipping due to non-conventional packaging. Original packaging helps to minimize the possibility of shipping damage.
3. Include a legible note stating your name, (no P.O. boxes), daytime phone number, Service Request Number, and a detailed description of the problem, including how we can duplicate it.
4. Write the Service Request Number in **BIG BOLD PRINT** on top of the box.
5. Tech Support will tell you where to ship the unit when you call for a Service Request Number. We suggest insurance for all forms of cartage.

## EAW Commercial Technical Support

Phone (USA/Canada)	888-337-7404
Phone	425-892-6503
Fax	425-485-1152
Address	One Main Street Whitinsville, MA 01588
Web site	<a href="http://www.eawcommercial.com">www.eawcommercial.com</a>
e-mail	<a href="mailto:support@eawcommercial.com">support@eawcommercial.com</a>

# 8. WARRANTY

**Warranty:** LOUD Technologies Inc. requires its authorized EAW Commercial distributors abide by the following warranty terms for all EAW Commercial brand products (all dates are from the date of delivery from an Authorized EAW Commercial Distributor to the end user/installation site):

Loudspeakers – 5 years; Active Electronics – 5 years; Accessories – 2 years.

**What Is Covered:** Defects in workmanship and materials and against malfunctions. EAW Commercial distributors must remedy all such defects and malfunctions without charge for parts or labor if the warranty applies. Final determination of warranty coverage lies solely with each authorized EAW Commercial distributor.

**What Is Not Covered:** This warranty does not extend to damage or malfunctions resulting from, but not limited to, shipment, improper installation, misuse, neglect, abuse, normal wear, accident, or to any product on which the serial number has been modified or removed. Exterior defects in or damage to the exterior appearance are specifically excluded from this warranty. EAW Commercial distributors shall not be liable for incidental or consequential damages resulting from the use of EAW Commercial products. Repairs and/or modifications by other than an Authorized EAW Commercial Distributor automatically voids this warranty.





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