

## Product Contents

- 1x AMR-350
- 2x Mounting Ears
- 4x Mounting Screws
- 4x Plastic Cushions
- 1x 3-pole Pluggable Terminal Block
- 1x 4-pole Pluggable Terminal Block
- 1x Power Adapter (36V DC 2.66A)
- 1x Power Cord
- 1x Reference Guide

## Safety Suggestions

**Read and Follow Instructions.** Read all safety and operating instructions before operating the unit.

**Retain Instructions.** Keep the safety and operating instructions for future reference.

**Heed Warnings.** Adhere to all warnings on the unit and in the operating instructions.

**Heat.** Keep the unit away from heat sources such as radiators, heat registers, stoves, etc., including amplifiers that produce heat.

**Power Sources.** Connect the unit only to a power supply of the type described in the operating instructions, or as marked on the unit.

**Power Cord Protection.** Route power supply cords so that they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to the cord plugs at power receptacles and at the point at which they exit from the unit.

**Water and Moisture.** Do not use the unit near water—for example, near a sink, in a wet basement, near a swimming pool, near an open window, etc.

**Object and Liquid Entry.** Do not allow objects to fall or liquids to be spilled into the enclosure through openings.

**Servicing.** Do not attempt any service beyond that described in the operating instructions. Refer all other service needs to qualified service personnel.

**Damage Requiring Service.** The unit should be serviced by qualified service personnel when:

- The power supply cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the unit.
- The unit has been exposed to rain.
- The unit does not appear to operate normally or exhibits a marked change in performance.
- The unit has been dropped or the enclosure has been damaged.

## Cleaning

To clean this product, lightly dampen a lint-free cloth with plain water or a mild detergent and wipe the outer surfaces.

NOTE: Do not use harsh chemicals as damage to the unit may occur.

## Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received including interference that may cause undesired operation.

## Industry Canada Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received including interference that may cause undesired operation.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes:

1. Ce dispositif ne peut causer des interférences nuisibles.
2. Cet appareil doit accepter toute interférence reçue y compris des interférences qui peuvent provoquer un fonctionnement indésirable.



### DECLARATION OF CONFORMITY (DOC)

The Declaration of Conformity for this product can be found on the RTI website at: [www.rticontrol.com/declaration](http://www.rticontrol.com/declaration)

## Contacting RTI

For news about the latest updates, new product information, and new accessories, please visit our web site at: [www.rticontrol.com](http://www.rticontrol.com)

For general information, you can contact RTI at:

**Remote Technologies Incorporated**  
**5775 12th Ave. E Suite 180**  
**Shakopee, MN 55379**  
**Tel. (952) 253-3100**  
**Fax (952) 253-3131**  
**info@rticontrol.com**

## Service & Support

If you are encountering any problems or have a question about your RTI product, please contact RTI Technical Support for assistance (see the Contacting RTI section of this guide for contact details).

RTI provides technical support by telephone or e-mail. For the highest quality service, please have the following information ready:

- Your Name
- Company Name
- Telephone Number
- E-mail Address
- Product model and serial number (if applicable)

If you are having a problem with hardware, please note the equipment in your system, a description of the problem, and any troubleshooting you have already tried.

**\*Please do not return products to RTI without return authorization.\***

## Limited Warranty

RTI warrants new products for a period of three (3) years (excluding consumables such as rechargeable batteries which are warrantied for one (1) year) from the date of purchase by the original purchaser (end user) directly from RTI / Pro Control (herein referred to as "RTI"), or an authorized RTI dealer.

Warranty claims may be initiated by an authorized RTI dealer using the original dated sales receipt or other proof of warranty coverage. In the absence of the receipt of purchase from the original dealer, RTI will provide warranty coverage extension of six (6) months from the date code of the product. Note: RTI warranty is limited to the provisions set forth in this policy and does not preclude any other warranties offered by third parties who are solely responsible for those other warranties.

Except as specified below, this warranty covers defects in product material and workmanship. The following are not covered by the warranty:

- Product purchased via unauthorized sellers or internet sites will not be serviced—regardless of purchase date.
- Damages caused by accident, misuse, abuse, neglect or acts of God.
- Cosmetic damage, including, but not limited to, scratches, dents and normal wear and tear.
- Failure to follow instructions contained in the Product Installation Guide.
- Damages due to products used in an application or environment other than that for which it was intended, improper installation procedures or adverse environmental factors such as incorrect line voltages, improper wiring, or insufficient ventilation.
- Repair or attempted repair by anyone other than RTI and Pro Control or authorized service partners.
- Failure to perform recommended periodic maintenance.
- Causes other than product defects, including lack of skill, competence or experience of user.
- Damage due to shipment of this product (claims must be made to the carrier).
- Altered unit or altered serial number: defaced, modified or removed.

RTI is also not liable for:

- Damages caused by its products or for failure of its products to perform, including any labor costs, lost profits, lost savings, incidental damages, or consequential damages.
- Damages based upon inconvenience, loss of use of the product, loss of time, interrupted operation, commercial loss, any claim made by a third party or made on behalf of a third party.
- Loss of, or damage to, data, computer systems or computer programs.

RTI's liability for any defective product is limited to repair or replacement of the product, at the sole discretion of RTI.

In cases where the warranty policy conflicts with local laws, the local laws will be adopted.

# AMR-350

3x1 Audio Mixer Amplifier

## Reference Guide



### AMR-350 3x1 Audio Mixer Amplifier

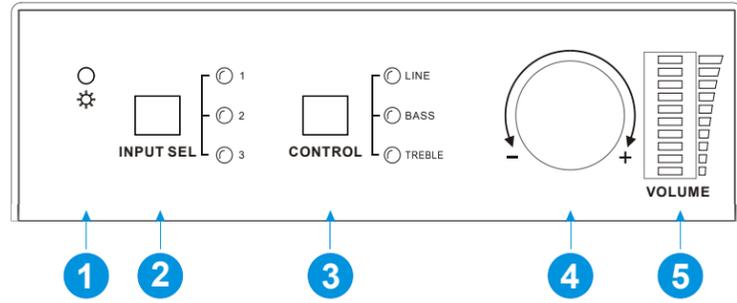
The AMR-350 is a compact-sized 2x50 Watt Power Amplifier (Class-D), switchable to 1x100 Watt in bridge mode. The amplifier features two stereo inputs (2xRCA for L&R, 1x3.5mm jack for line in), and one digital input. Additional features of the AMR-350 include volume control, bass and treble adjustments, and two modes of audio output support (stereo output 2x50W@8Ω, and mono output 1x100W@4Ω). The AMR-350 has three methods of control: push button, RS-232, and TCP/IP.

The AMR-350 provides superior quality and reliability as well as these features:

- Supports stereo audio output (2x50W@80hm) and mono audio output (1x100W@40hm) in bridge mode.
- Three audio inputs, switchable by button, RS-232 and TCP/IP.
- Volume/Bass/Treble controllable by buttons, RS-232 and TCP/IP.
- Easy volume adjustment using rotary knob.
- Supports audio loop output.
- Supports power off memory.
- Fast switching speed for good performance.
- Compact form factor with noiseless convection cooler.
- LED indicator, for power and working status.
- Antistatic case design provides protection for long-term, stable performance.

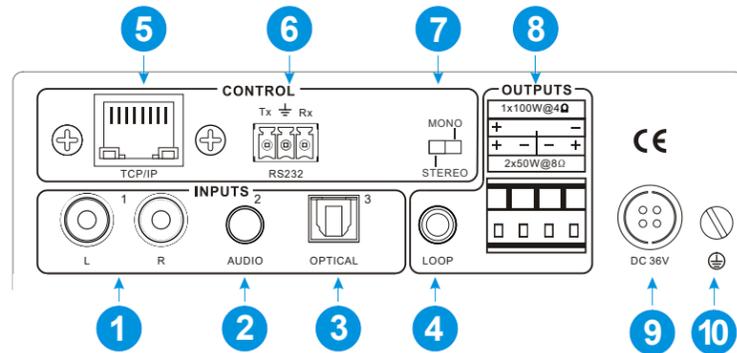
# Installation & Operation

## FRONT PANEL DESCRIPTION



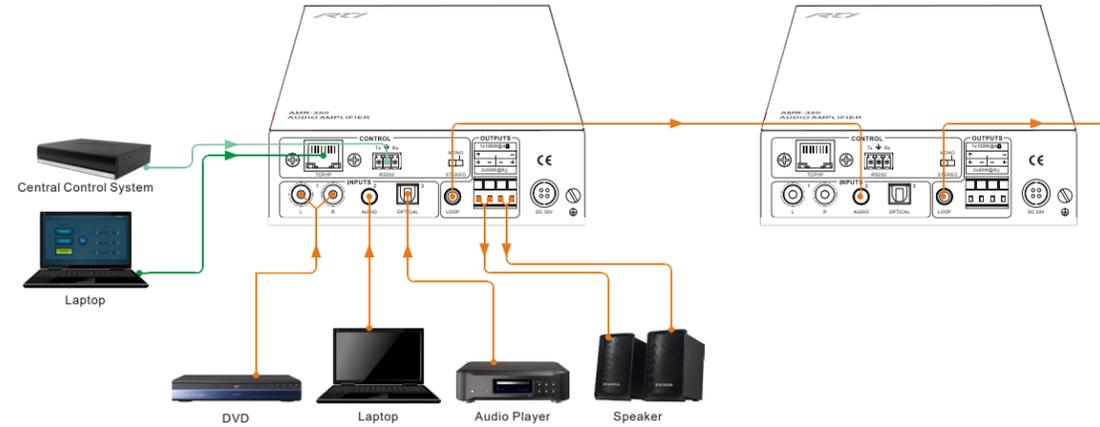
No.	Name	Function
1	Power Indicator	Turns red when power on.
2	Audio Input Selection	Press button to select the input audio source. Once selected, the corresponding LED will be lit. <ul style="list-style-type: none"> <li>1 is for dual mono audio input (2 RCA connectors for L&amp;R)</li> <li>2 is for stereo audio input (3.5mm mini jack)</li> <li>3 is for digital fiber audio input (optical)</li> </ul>
3	Audio Control	Press this button to select the Line volume level or the Bass and Treble level. Once selected, use the Adjustment Knob to adjust level.
4	Adjustment Knob	<ul style="list-style-type: none"> <li>Rotate the knob to adjust audio levels. Volume bars will change accordingly.</li> <li>Press the knob to mute/unmute the corresponding audio.</li> </ul>
5	Volume Bar	Indicates real-time volume setting, 10 bars in total.

## REAR PANEL DESCRIPTION

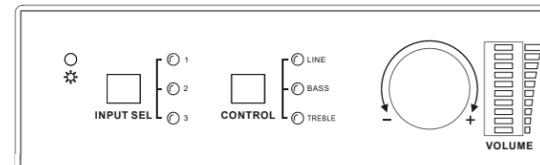


No.	Name	Function
1	Audio Input 1	2 x RCA L&R stereo audio inputs.
2	Audio Input 2	3.5mm mini jack for stereo audio input.
3	Audio Input 3	Optical connector for digital audio input.
4	Audio Loop Output	If a second AMR-350 is required, plug a 3.5mm TRS to 3.5mm TRS cable between the LOOP output and Input 2 of the second AMR-350.
5	TCP/IP	RJ45 connector for TCP/IP control. For connection to local network for control via a control system or PC.
6	RS-232	3-pole captive screw connector for serial control, it can be connected with control system (Use a 3-pole captive to 9 pin female D connector) to control AMR-350.
7	Output Mode Selector	2-pole switch for output mode selection. STEREO - 2x50W@8Ω. MONO - 1x100W@4Ω.
8	Audio Output	To connect with audio output devices, such as speakers (The connection type of speakers depends on the audio output mode:STEREO or MONO).
9	Power Port	To connect with the power adapter (36V DC).
10	GND	Ground Connection.

## CONNECTION DIAGRAM



## BUTTON CONTROL



### Audio Switching

The INPUT SELECT button will switch between:

- Input 1: RCA analog audio input.
- Input 2: 3.5 mm TRS input.
- Input 3: Optical digital audio input.

### Volume and EQ Control

- The CONTROL level selection button will switch between LINE, BASS, and TREBLE levels.
- When LINE is selected, rotate the knob (+ -) to adjust the volume, or press this knob to mute the selected input audio.
- When BASS or TREBLE are selected, rotate the knob (+ -) to adjust the bass or treble levels of the analog audio input signal.

### RS-232 CONTROL

To control the AMR-350 using serial communication from a control system, wire the RS-232 output of the control system to the AMR-350 RS-232 3-pole screw connector (pinout: Tx-Gnd-Rx).

- Baud rate: 9600
- Data bit: 8
- Stop bit: 1
- Parity bit: none

### TCP/IP CONTROL

To control the AMR-350 using TCP/IP protocol from a control device, wire the Ethernet port of the control system to the AMR-350 TCP/IP connector, and then set same network segment for the AMR-350 and control device.

- Default IP: 192.168.0.178
- Subnet Mast: 255.255.255.0
- Gateway: 192.168.0.1
- Serial Port: 4001

IP and gateway can be changed as need, but the Serial Port can not be changed.

Type the IP address <http://192.168.0.178> into the browser address bar to access the web interface.

**Username:** admin **Password:** admin

### INSTALLATION

Visit the RTI dealer portal ([www.rticontrol.com/dealer](http://www.rticontrol.com/dealer)) for additional instructions and specifications.

NOTE: Features and specifications subject to change without notice.