



Rear View



Front View

## RTI Control System



## AMR-220

### 2 x 1 Audio Mixer Amplifier

The AMR-220 is a compact-sized Class-D digital mixer/amplifier for classroom or meeting room applications requiring switching of two audio sources (e.g., laptops, video conference systems). Additionally, a microphone can be mixed with the line-level audio sources. The adjustable balanced/unbalanced microphone input supports condenser, dynamic or wireless microphones.

A loop output can be used to share the same audio sources with multiple AMR-220s that power speakers in different audio zones. The AMR-220 offers various control options, including IR and RS-232, as well as a convenient top control panel.

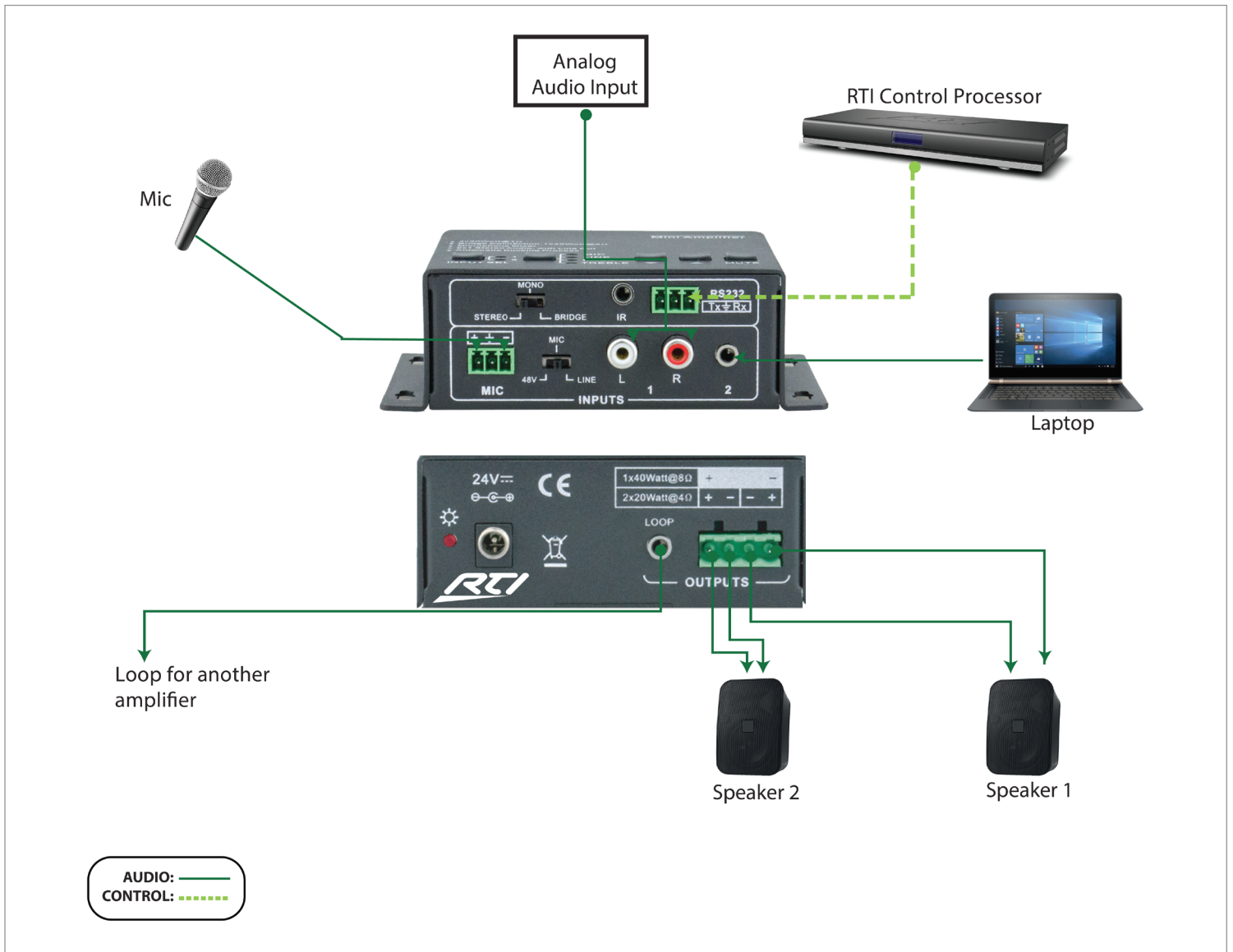
## Key Features

- Two input, one output audio mixer/amplifier.
- Two analog audio inputs (switchable).
- Balanced/unbalanced adjustable microphone input with 48V phantom power for condenser, dynamic or wireless microphones.
- Supports microphone mixing to an audio line source.
- Built-in Class-D amplifier
- Power Output: 2 x 20 Watts (4 Ohms) or 1 x 40 Watts bridged (8 Ohms).
- EQ control (bass / treble).
- IR control.
- RS-232 control.
- Audio loop output to share audio sources with multiple amplifiers.
- Compact form factor with noiseless convection cooler.

## Specifications

Power Supply ..... +24 VDC  
 Mounting..... Surface / wall mount  
 Audio Input ..... One Line Input Stereo (RCA jack)  
 ..... One Line Input Stereo (3.5 mm jack)  
 Microphone Input..... One balanced/unbalanced (3-pin Phoenix Connector),  
 ..... Switchable Line / 48V Phantom Power  
 Input Impedance..... >10K ohms  
 Audio Output..... One Stereo Speaker Output (4-pin terminal block)  
 ..... One Loop Output (3.5 mm jack)  
 Rated Output Power ... 2 x 20 Watts @ 4 Ohms / 1 x 40 Watts bridged @ 8 Ohms  
 Speaker Impedance ..... 4 to 8 Ohms  
 Frequency Response..... 20Hz to 20KHz  
 Bandwidth..... 20Hz to 25KHz  
 Signal-to-Noise Ratio..... 80dB at maximum output

Channel Separation..... >75dB@20Hz to 20KHz  
 Voltage Gain ..... 32dB  
 CMRR..... >70dB@20Hz-20KHz  
 Total Harmonic Distortion + Noise @1KHz ..... 1% at nominal level  
 Total Harmonic Distortion + Noise @20KHz ..... 0.3% at nominal level  
 Front Panel Control..... 5 Buttons for Input Select, Volume and EQ  
 RS232 Control..... One, Bidirectional control (3-pin Phoenix Connector)  
 Operating Temperature..... C -10 to +40 degrees F +14 to +104 degrees  
 Operating Humidity..... 5% to 95% Non-condensing  
 Dimensions WxHxD..... 4.84" (123mm) x 1.55" (39.5mm) x 3.42" (87mm)  
 Warranty ..... Three Years (Parts & Labor)  
 All features and specifications subject to change without notice



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