



Rear View



Front View

## RTI Control System



## AMV-340

### Single Channel 70V/100V Mixer Amplifier – 40W

The AMV-340 is a compact-sized professional-grade Class-D 70/100V amplifier for commercial distributed speaker systems. Capable of 70 or 100 Volt transmission of audio signals, the amplifier allows the distance between amplifier and speaker to be extended by a factor of 10 and more.

AMV-340 is designed for hotel, bar/restaurant grocery store application or any application where long-distance wiring of multiple speakers is required. Also, it can be used as a PA system, playing background music and making announcements via the connected microphone.

Three switchable audio inputs allow up to three analog/digital audio sources to be mixed with the microphone signal. The adjustable balanced/unbalanced microphone input supports condenser, dynamic or wireless microphones. The mixed signal is then available at the 70/100V 40 Watt powered speaker output. The speaker wattage determines the number of speakers that can be used. For instance, up to four 10 Watt speakers can be driven by the AMR-340's 40 Watt amplifier.

The AMV-340 offers various control options with RS-232 as well as a front control panel.

## Key Features

- Three input, one output 70/100V audio mixer/amplifier.
- Two analog audio inputs, one digital audio input (switchable).
- Balanced/unbalanced adjustable microphone input with 48V phantom power for condenser, dynamic or wireless microphones.
- Supports microphone mixing to an audio line source.
- Fast switching speed.
- Built-in Class-D amplifier.
- Power Output: 40 Watts, 70/100 Volts.
- EQ control (bass / treble).
- RS-232 control.
- Compact form factor with noiseless convection cooler.

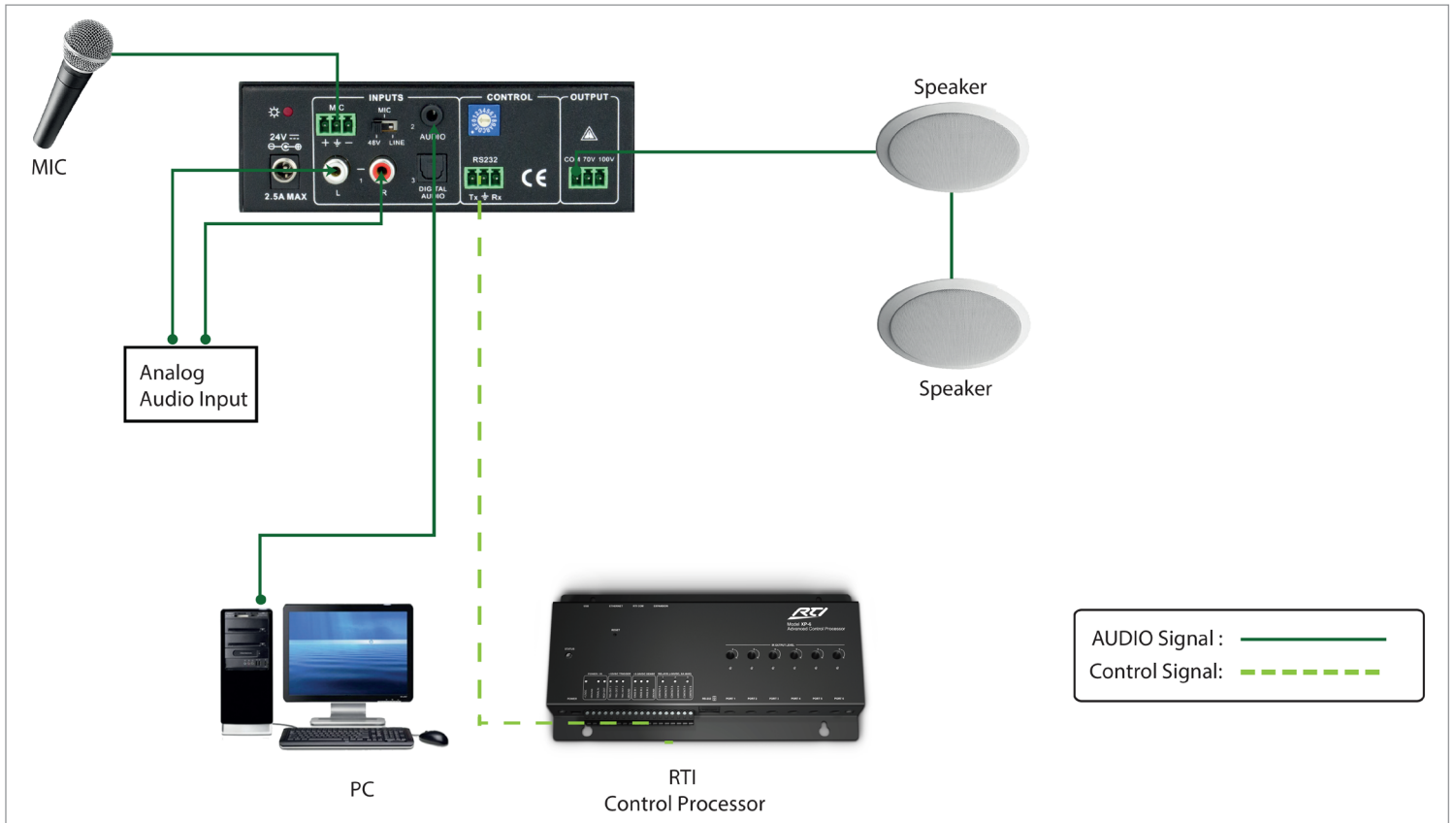
**Note:** To avoid damage to the speakers, only connect 70 or 100 Volt speakers or use regular speakers with step-down transformers.

## Specifications

Power Supply ..... +24 VDC, 2.71A  
 Mounting..... Surface / wall mount or free standing  
 Audio Input ..... One Line Input Stereo (RCA jack)  
 ..... One Line Input Stereo (3.5 mm jack)  
 ..... One Digital Optical Input (TOSLINK)  
 Microphone Input..... One balanced/unbalanced (3-pin Phoenix Connector),  
 ..... Switchable Line / 48V Phantom Power  
 Input Impedance..... >10K ohms  
 Audio Output..... 70/100 Volts, switchable (4-pin terminal block)  
 Rated Output Power ..... 40 Watts  
 Frequency Response..... 120Hz to 20KHz  
 Bandwidth..... 120Hz to 20KHz  
 Signal-to-Noise Ratio..... 80dB at maximum output  
 Channel Separation..... >75dB@20Hz to 20KHz

Voltage Gain .....26dB  
 CMRR.....>70dB@120Hz~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..... 5.11" (130mm) x 1.73" (44mm) x 5.66" (144mm)  
 Weight ..... 1.89lb (860g)  
 Warranty ..... Three Years (Parts & Labor)

All features and specifications subject to change without notice



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