

2 x 50w RMS (at 8 ohms) low impedance digital power amplifier

Input 1: Line-level Stereo (2-Phono/RCA) or Mic (XLR)

Input 2: Line-level Stereo (2-Phono/RCA) or Mic (Phoenix)

Input 3: Bluetooth or Mic (Phoenix)

Input 4: Line-level Stereo (Minijack) or Mic (Phoenix)

1 x Line-level Pre-Output

Balanced Mic inputs with Phantom Power

RS-232 control



The AV-1900 is a highly capable mixer-amplifier packed with useful features to make it as easy as possible to operate. It is designed for use in demanding applications like meeting spaces, small auditoriums, lecture theatres, school halls, and small churches. It has professional audio features normally only found in much more expensive mixer amps.

### Bluetooth

For ease of connectivity it has a Bluetooth input. The device name and pin are fixed and cannot be changed. It can only pair with one device at a time.

A device can be manually unpaired by pressing the INPUT 3 dial. If you do not want Bluetooth active just set input 3 to mic input with the switch on the rear.

### Mixer Amp

This amp has four inputs, each of which can either be used for a microphone or a line-level input. It is a true mixer amp, so it can bring together multiple sources and play them at the same time.

### Mic Pre-Amp Trim

The input gain for each mic input can be "trimmed" - adjusted on the rear panel. This allows the installer to "turn up" less sensitive mics, and "turn down" hot inputs.

### Switchable Phantom Power

Each mic input has Phantom power which is a voltage required to make professional condenser mics work. Phantom can be turned off on each input discretely.

### Four Microphone Inputs

All mic inputs are "balanced" to eliminate electro-magnetic noise induced on long cables. Input 1 uses a professional XLR connector - more convenient for rental and portable use, and the other inputs use phoenix connectors - more suited to permanent installations.

### RS-232

Designed for integration with a bigger system, it can be controlled by a control system such as Techconnect Control via RS-232.

### D-Class

An efficient Digital-class amplifier chip dramatically reduces power consumption especially at rest, and makes this amp super-small.

### 3 x Stereo Inputs

Three line-level stereo inputs accept input from a variety of sources such as computers (via the headphone jack), tablets or phones. Inputs 1 and 2 use 2-phono (RCA) connectors. Input 4 is via a Minijack connector, and is duplicated on the front panel for adhoc access.

**Line Output**

A line-level pre-output on the rear bypasses the internal amplifier. It would connect to a larger amplifier or powered loudspeakers. It is post-mix; volume adjustments made on the front panel affects the output level.

**Auto-Standby**

If the amplifier senses no input it will automatically go into standby mode. When it senses input it will reactivate. Auto-standby can be disabled via RS-232.

**Mounting Options**

Rack ears are included so it can be integrated into an AV rack.

**8 or 4 Ohms**

The powerful amp can drive a 8 ohm load (two loudspeakers), or 4 ohm load (four loudspeakers).

**SPECIFICATIONS**

**AMPLIFIER DIMENSIONS**

283 x 135 x 45 mm (wide x deep x tall) not including dials and connectors

**CARTON DIMENSIONS**

333 x 200 x 155 mm (length x width x height)

**AMPLIFIER WEIGHT**

1.2 kg

**PACKAGED WEIGHT**

about 3 kg

**COLOUR**

Black

**INPUTS**

Input 1: Line-level Stereo (2-phono / RCA) or Balanced Mic (XLR)  
Input 2: Line-level Stereo (2-phono RCA) or Balanced Mic (Phoenix)  
Input 3: Bluetooth or Balanced Mic (Phoenix) Input 4: Line-level Stereo (Minijack) or Balanced Mic (Phoenix) Note: Input 4 is duplicated on front panel. Plugging into front panel disconnects the source plugged in at rear.

**OUTPUTS**

1 x Line-level Stereo (2-phono RCA) Post mix

**POWER OUTPUT**

2 x 50 Watts RMS @ 8 OHMS

**TOTAL HARMONIC DISTORTION**

<10%

**FREQUENCY RESPONSE (LINE IN)**

50Hz~18KHz

**SIGNAL TO NOISE RATIO (LINE IN)**

70dB

**RATING INPUT LEVEL/IMPEDANCE**

700mV/47Kohms

**OPERATING TEMPERATURE RANGE**

0 to +40°C (32 to +104 °F)

**POWER CONSUMPTION (RATING CONDITION)**

100W

**PHANTOM POWER**

48V

**BLUETOOTH VERSION**

5.0

**ACCESSORIES INCLUDED**

2 x Speaker Cable 5m long 1 x UK C7 figure-8 power cable 1.8 m long 1 x EU C7 figure-8 power cable 1.8 m long 1 x AU C7 figure-8 power cable 1.8 m long 1 x US C7 figure-8 power cable 5.9ft long 1 x Rack ears

**POWER SUPPLY**

100~240V External Power Supply 36V 3A

**WARRANTY**

Lifetime return-to-base

**COMPLIANCES**

RoHS, WEEE, CE/EMC, CE/LVD, RCM\_SDOC, FCC\_BT3.0, FCC\_BT4.0, CE-RED, UKCA