

# Digital Amplifier

AV-1800

## Snapshot



- > 2 x 50w RMS (at 8 ohms) low impedance digital power amplifier
- > 3 x Stereo inputs / 1 x Stereo Pre-Output / 1 x Balanced Mic input with Phantom Power
- > Bluetooth Input
- > IR remote included, RS-232 control

## Details

The improved AV-1800 is compact, and has a simple interface with just two dials which are turned to adjust and pushed to switch. It has a selection of inputs - including Bluetooth and a microphone input, making it suitable for meeting rooms, small auditoriums, lecture theatres, school halls, and small churches.

### *Bluetooth*

The amplifier can automatically switch to the Bluetooth source when it is paired. Bluetooth can be renamed and the pin changed by connecting to a PC (see software link below).

### *Microphone Input*

It uses a professional XLR connector and the input is “balanced” to eliminate electro-magnetic noise induced on long cables. The microphone input has “Phantom Power” - a voltage which is required by condenser-type microphones such as lectern microphones.

### *RS-232*

It can be controlled by a control device such as Techconnect Control via IR or RS-232. It also comes with an IR remote control gives the user bass and treble adjustment and direct input selection.

### *D-Class*

An efficient Digital-class amplifier chip dramatically reduces power consumption especially at rest.

### *3 x Stereo Inputs*

Three stereo inputs accept input from a variety of sources such as computers (via the headphone jack), tablets or phones. 2 of the inputs are via 2-phono (RCA) connectors on the rear panel. Input 3 is via a 3.5mm Minijack connector, and is duplicated on the front and rear panels for easy access.

### *Line Output*

A line-level pre-output on the rear panel bypasses the internal amplifier. It would connect to a larger amplifier or powered loudspeakers. It is post-mix, which means any volume adjustment 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.

### *Mounting Options*

Optional mounting hardware is included to allow cable-tying either to a projector ceiling pole, or into a rack.

## **Manual**

Bluetooth Management Software  
Specifications

AMPLIFIER DIMENSIONS: 236 x 215 x 64mm / 9.05" x 8.46" x 2.56" (wide x deep x tall) not including dials and connectors

CARTON DIMENSIONS: 415 x 230 x 80 mm / 16.34" x 9.06" x 3.15"

AMPLIFIER WEIGHT: 2.0 kg / 4.4 lb

PACKAGED WEIGHT: 2.4 kg / 5.3 lb

COLOUR: White

### **INPUTS**

3 x Stereo inputs via 2-phono (RCA) connectors / 1 x 3.5mm (1/4" ) minijack

1 x Bluetooth input

1 x Microphone inputs via balanced XLR

### **OUTPUTS**

1 x Stereo Line-level output via phono connectors (post mix)

### **TECHNICAL DETAILS**

2 x 50w @ 8 ohms

Total Harmonic Distortion <1%

Frequency response (line in): 20Hz~20kHz

Signal to noise ratio (line in): 75dB

Rating input level/Impedance: line in 800~900mV/47kohms

Operating temperature range: 0 to +40° C (32 to +104 ° F)

Power consumption (rating condition): <=125W

Phantom Power Disable: via internal jumper

Phantom Power: 21V

### **ACCESSORIES INCLUDED**

1 x 2-phono to 2-phono cable 2m long

1 x 3.5mm to 3.5mm minijack cable 2m long

2 x Unshielded 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 1.8 m long

1 x Remote Control (Battery included: CR2025 3V Li-Mn)

1 x Rack ears

1 x Ceiling pole and wall brackets

POWER SUPPLY: 100~240V Internal Power Supply

WARRANTY: 3-year return to base

COMPLIANCES: RoHS, WEEE, CE/EMC, CE/LVD, C-TICK, FCC

ORDER PART CODE: AV-1800 [SAP: 4262711]

or AV-1800+CS-1800 bundle [SAP:4363207]

or AV-1800+SP-1800B bundle [SAP:4363208]

or AV-1800+SP-1800 bundle [SAP:4363209]

SPARE IR REMOTE CONTROL: AV-1800 RC [SAP: 4360133]

**FCC STATEMENT :**

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, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for

compliance could void the user's authority to operate the equipment.

NOTE: 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.

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 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.