

The AMA-2 Audio amplifier unit is a compact unit requiring only 2U Rack space. The 19" Rack mount unit is designed primarily for use in audio program monitoring in VHF/UHF FM Stereo Broadcasting and Studio interface applications.

The AMA-2 provides quality, compact and versatile solution for VHF FM Monitoring and distribution as a 2U 19 inch rack-mount unit that forms part of a VHF FM audio monitoring system with Left and Right (XLR) balanced inputs and internal loudspeakers.

The unit can be operated via a/c mains or optional +24V dc battery (normally for use with solar panels). The AMA-2 can also be used as a 2U 19 inch rack-mount unit in a small studio application using internal or external (optional) loudspeakers.

The unit provides Led indicators for Left and Right audio inputs, which illuminate when audio inputs are present, even when the output level controls are fully anti-clockwise. Once the input level indicators are active, the Left and Right level controls can be adjusted individually to a suitable listening level and the VU meters will indicate the output level



**AMA-2 Audio Monitoring Amplifier**

### Features

- 19" Rack mounted unit (2U).
- XLR (balanced) stereo inputs (Left and Right).
- Internal Loudspeakers (8 ohm) for Left and Right audio.
- Separate level adjustment for Left and Right program on Front panel
- Audio input active indicators on Front panel.
- Audio output VU meters for Level monitoring.
- Optional external Loudspeaker terminals for 4 ohm or 8 ohm loudspeakers.

# TECHNICAL SPECIFICATIONS

## PARAMETER

### AUDIO AMPLIFIER SECTION

Audio Inputs (XLR's)	Balanced 10k ohms
AF Input level (Maximum)	+17dBm
Nominal input level	6dBm balanced
Maximum gain	+13dB
Audio harmonic distortion	≤ 0.15%
Maximum output power	6W into 8 ohms
Maximum output power	10W into 4 ohms
Low frequency response	-3dB @ 20Hz
High frequency response	-3dB @ 60kHz

### POWER SUPPLY

AC Power Input	110V to 230V (full range)
AC Frequency Variation	50 - 60 Hz
Power Consumption	+/- 20VA

### ENVIRONMENTAL

Storage temperature	-40 to +60 °C
Operating temperature	-10 to +45 °C
Operating altitude	<2500 metres
Humidity	20 to 90% (non condensing)

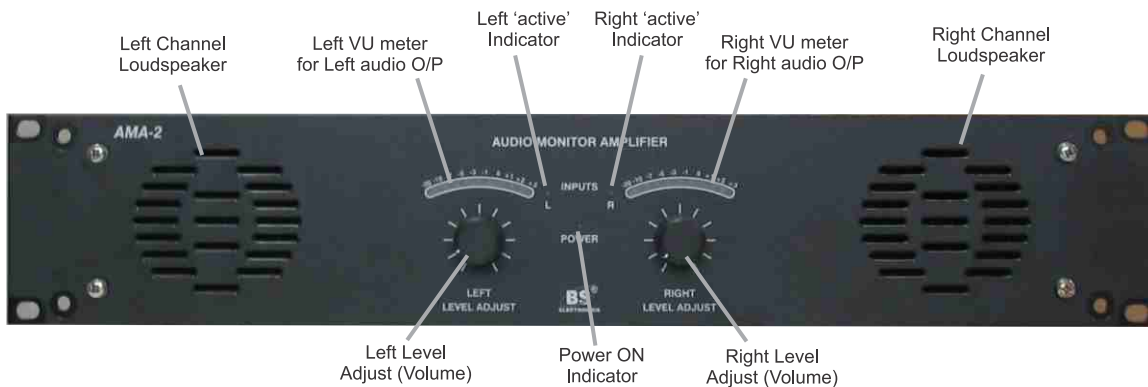
### PHYSICAL

Dimensions (mm)	455W x 220D x 88.8H (1U)
Weight	3kg

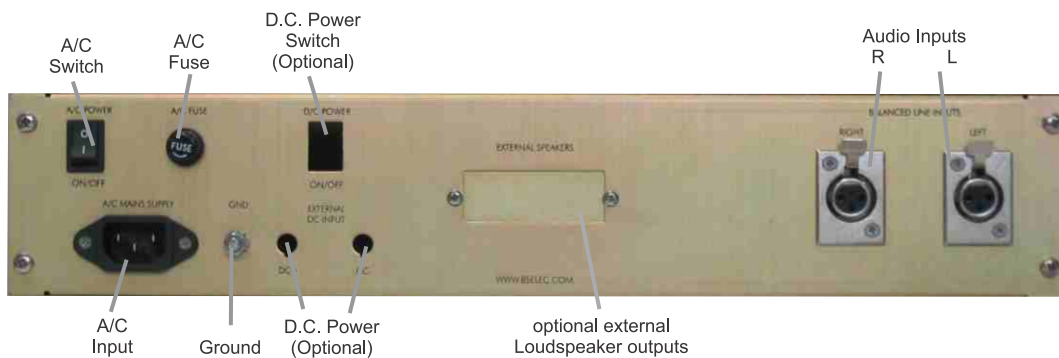
## PARAMETER

### AUDIO DISPLAY SECTION

Nominal +6dBm audio input level	
Left input program indicator	Green Led
Right input program indicator	Green Led
Left output meter	Led VU scale meter
Right output meter	Led VU scale meter
Left and Right level controls	Logarithmic scale



AMA-2 FRONT PANEL CONTROLS AND INDICATORS



RX1-RBR REAR PANEL CONNECTIONS