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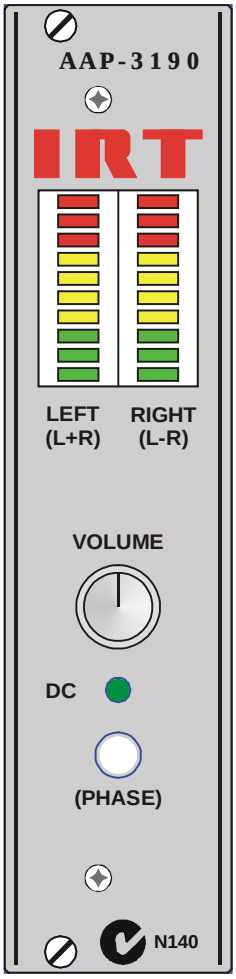
Stereo Monitoring Amplifier Type AAP-3190

Applications

- **Phase & level monitoring in distribution chain.**
- **Edit suites audio monitoring.**
- **Headphone monitoring for live recording.**
- **O.B. van audio monitoring.**
- **Headphone amp for multilingual conferences.**



Features:

- **Switchable level or phase display (L+R & L-R).**
- **Remote & front panel volume controls.**
- **Input gain adjustable to +6, +12, or +18 dB.**
- **Maximum volume preset.**

General:

The AAP-3190 has been designed to fulfil the role of a general purpose audio monitoring amplifier for the broadcast industry.

Most monitoring applications only require low audio power levels, but high quality performance in the smallest convenient packaging. The Eurocard format is ideal for this use as it allows these monitoring amplifiers to be positioned in the same frame as other modules such as audio distribution amplifiers and switchers.

The front panel of the unit features two LED bargraph displays with VU drivers for visual indication of input levels. These may be switched to indicate Left + Right and Left - Right so that the phase of a stereo signal may be checked.

This allows easy monitoring of phase throughout the audio chain to ensure that phase reversals do not result in loss of audio in mono recordings or transmission.

The AAP-3190 is provided with links for matching the gain to input level so that a variety of source levels may be accommodated.

The front panel volume control may be disabled and remote control exercised by a single potentiometer located in a convenient position.

The AAP-3190 is suitable for mounting in IRT 1 RU or 3 RU Eurocard chassis. The maximum number of AAP-3190's per frame may be limited by PSU capability and the desired output operating level.

AAP-3190 Technical Specifications

Audio inputs:

Number	1 x Stereo.
Type	Balanced. transformerless.
Input impedance	10 kΩ.
Maximum input level	
Connectors	Phoenix plug in screw terminals. Type MC 1.5/3-ST-3.81.

Control input:

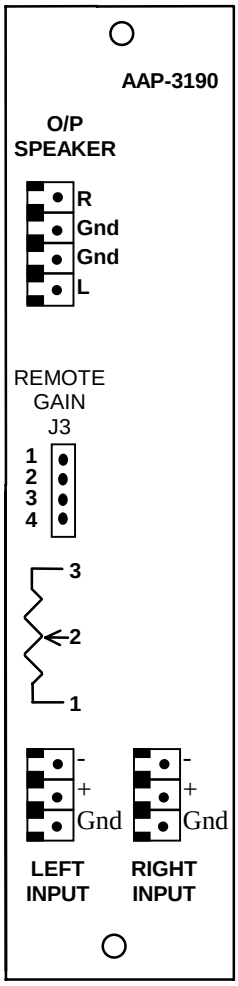
Number	1 x External stereo volume control.
Control component required	Potentiometer - 10 kΩ.
Format	DC control 0 - 12 V.
Connector	3 pin IDC.

Output:

Number	1 x Stereo loudspeaker.
Output power	4 W + 4 W (RMS continuous).
Minimum load impedance	8 Ω.
Connector	4 way Phoenix plug in screw terminal. Type MC 1.5/4-ST-3.81.

Performance:

Gain	Internally strapable to a maximum gain of + 0, + 4 or +8 dB.
Frequency response	±1 dB for 20 Hz to 20 kHz.
Harmonic distortion	< 0.2% 20 Hz to 20 kHz at +4 dBu.
Noise	<-80 dB, Ref. +8 dBu 20 Hz to 20 kHz.
Crosstalk between channels	<-45 dB 20 Hz to 20 kHz.
Power Requirements	28 Vac CT (14-0-14) or ± 16 Vdc.
Power consumption	<30 VA. (Maximum number of AAP-3190's per frame may be limited by PSU capability.)



Other:

Temperature range		0 - 45° C ambient
Mechanical		Suitable for mounting in IRT 19" rack chassis with input output and power connections on the rear panel
Finish:	Front panel	Grey enamel, silk-screened black lettering & red IRT logo
	Rear assembly	Detachable silk-screened PCB with direct mount connectors to Eurocard and external signals
Dimensions		6 HP x 3 U x 220 mm IRT Eurocard
Standard accessories (supplied with module)		Rear connector assembly including matching audio & control connectors.
Optional accessories		TME-6 module extender card

Due to our policy of continuing development, these specifications are subject to change without notice.

Detailed specifications available from:

Manufacturer:

IRT Electronics Pty Ltd

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