

AES/EBU Distribution Amplifier

FEATURES

- 8 outputs.
- 75 and 110 Ohm inputs.
- Choice of 75 or 110 Ohm outputs by changing rear connector assembly.
- Front panel monitoring output.
- All inputs and outputs transformer coupled.

- Digital circuit re-shapes output and restores level.
- No cable compensation adjustments required.
- Optional plug-in SNMP monitoring module.

GENERAL

The DAA-4400 is designed to provide a solution to most AES/EBU digital audio signal distribution requirements.

The DAA-4400 will operate at AES sample rates from 34 to 54 kHz and may be used with non-AES digital signals that have a net zero DC content.

Whilst analogue VDA's may be used for 75 Ohm AES signals, the digital circuitry of the DAA-4400 offers the advantage of restoring the signal rise and fall times and output level without the need to manually adjust gain and compensation controls.

A choice of rear assembly is available for either 110 Ohm or 75 Ohm use. No changes are required to the main DA to convert between the two output types. The input includes both 110 Ohm and 75 Ohm input connectors and is link selectable on the main PCB.

An optional SNMP (Simple Network Management Protocol) plug-in module is available for monitoring when used in an IRT frame fitted with SNMP capability.

The DAA-4400 is designed to fit IRT's standard 1RU and 3RU Eurocard frames and may be used alongside any other of IRT's analogue or digital Eurocards.









DAA-4400

TECHNICAL SPECIFICATIONS

Inputs:	
Number	2.
Туре	1 x 110 Ω balanced;
	or
	1 x 75 Ω unbalanced.
	Selected by link on PCB.
Format	AES3-1992 standard.
Input level	200 mVp-p minimum.
Cable length	> 500 m 75 Ω (Belden 8281).
	> 200 m 110 Ω (AES digital high quality shielded pair).

28 Vac CT (14-0-14) or \pm 16 Vdc.

Phoenix 3 terminal plug-in blocks.

Outputs:

Number		8.
Туре	ZAA-4401 (standard)	110 Ω balanced > 3 Vp-p;
		or
	ZAA-4400 (optional)	75 Ω unbalanced > 1 Vp-p.
Monitoring		1 x 75 Ω unbalanced.
Format		AES3-1992 standard.

< 4 VA.

BNC.

Performance:

AES sample rate34 to 54 kHz continuous.Rise & fall times< 20 ns.</th>

Power requirements:

Voltage Power consumption

Connectors:

Balanced Unbalanced

Other:

Other:		
Temperatur	e range	0 - 50° 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 background, 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.
Supplied accessories		Rear connector assembly including matching plugs for 110 Ohm connections.
Optional ac	cessories	SMU-4000 plug in SNMP Management Information Base (MIB) module.