



Product Data Sheet: 19" Rack Mount, Multi-channel Loudspeaker Protection Unit

APU-R



Application:

The APU-R is a 1U high, rack mount, in-line protection unit for use with the AIWXn range of Plaster-In Loudspeakers.

The APU-R is designed to be used as an alternative to the Amina APU2 (2 channel protection unit) where a 19 inch rack based product is more desirable.

Features:

The APU-R is designed to be connected between the amplifier and the AIWXn loudspeaker. It performs two important functions in terms of loudspeaker protection:

High-pass filtering - audio frequencies below 80Hz are sharply attenuated to prevent undue mechanical stress of the AIWXn loudspeaker's precision transducers.

Fuse protection - the protection circuits within the APU-R incorporate a self-resetting fuse which prevent excessive power levels from reaching the AIWXn loudspeaker. If power levels become too high the fuse reduces the volume of sound to protect the speaker, rather than cutting the audio signal altogether.

APU-R Model Options:

- APU-R/8 - Suitable for up to 8 AIWXn loudspeakers
- APU-R/6 - Suitable for up to 6 AIWXn loudspeakers
- APU-R/4 - Suitable for up to 4 AIWXn loudspeakers
- APU-R/2 - Suitable for up to 2 AIWXn loudspeakers

Connectors:

The APU-R can be supplied with or without matching Neutrik Speakon (TM) connectors.



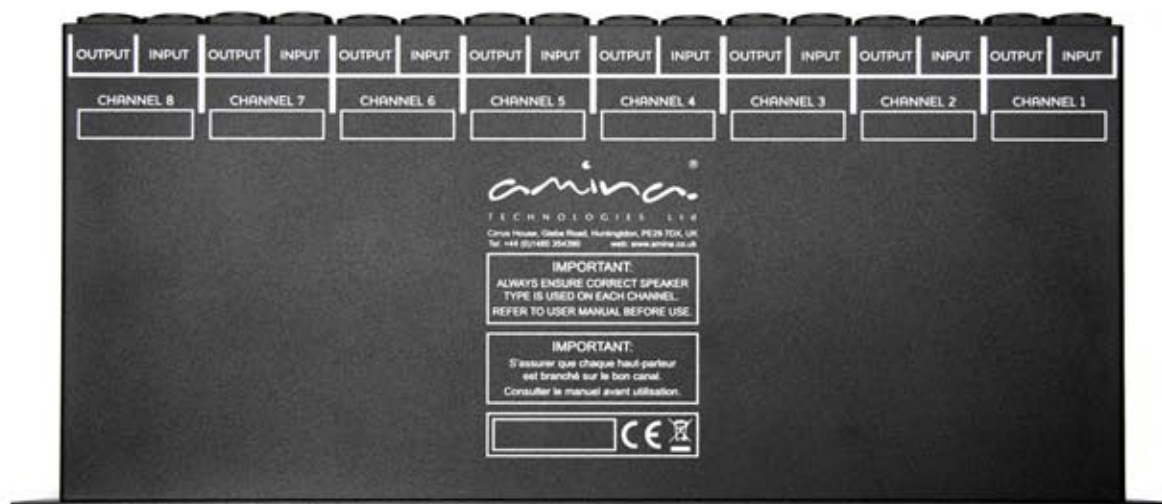
Warranty:

The APU-R is designed to operate reliably for many years. Correctly installed and operated in accordance with the installation instructions, Amina warranties the APU-R against defective materials and workmanship for a period of 1 year.





APU-R Top View:



Technical Specifications:

Dimensions:	1U height front panel, 482mm x 44.4mm (19" x 1.75"), case depth, 213mm (8.375")
Weight:	4.6Kg (10.14lbs)
Filter type:	Passive 3rd order, high-pass. 20dB/octave slope, -3dB at 72Hz with AIUXn connected.
Fuse protection:	Self-resetting, current sensing type. Fuses set internally for each AIUXn speaker model.
Compatibility:	Suitable for use with Amina AIW1Xn; AIW2Xn; AIW3Xn; AIW4Xn; AIW5Xn only.
Number of channels:	Available with 2, 4, 6 or 8 channels.
Connection type:	1x Neutrik N4MP per input; 1x Neutrik N4MP per output. NL2FC plugs available optionally.
Maintenance requirements:	Protection fuses can be set by installer if necessary. Repeated tripping of fuses may require fuse replacement by the manufacturer to ensure optimal speaker performance.

European Union WEEE regulations:

The product is fully RoHS compliant, eliminating to a minimum the use of hazardous materials within its manufacture. At the end of its useful life it should be returned to the manufacturer for recycling according to the European Union's WEEE directive. All products are subject to change without notification. E&OE

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