

Technical Specification

Input 1 and 2:	3 way 3.5mm euroblock screw terminal input. Balanced Mic/line selectable. Switchable 250Hz low cut filter and priority option	Loop connectors:	4 way 5mm euroblock screw terminal (supplied) for each output, for star-quad configured feed cables
Microphone/Line:	Microphone specification; 200-600Ω Selectable 24V phantom power on mic only	DC output:	2 way 3.5mm euroblock screw terminal Re-settable, fuse protected 12V 0.1A. Controllable to reflect amplifier status (network models only)
100V Line:	2 way 5mm euroblock screw terminal (supplied)	Line Output:	3 way 3.5mm euroblock screw terminal (supplied) post AGC balanced output
Dante: (optional input 3)	RJ45 Ethernet input (100MB/s), AES67 compliant	Status Relay: (C10/14 only)	2 way 3.5mm euroblock screw terminal (supplied) Normally closed isolated relay contacts, open in fault conditions.
Loop Output Drive Voltage:	C5/7 - 20V _{RMS} C10 - 33.9V _{RMS} C14 - 48.1V _{RMS} at maximum output current per channel	Automatic Gain Control:	The AGC is optimised for speech. Dynamic range >36dB
Loop Output Drive Current:	C5 - 5A _{RMS} C7 - 7A _{RMS} C10 - 10A _{RMS} C14 - 14A _{RMS} All up to 60s Continuous 1kHz sine.	Metal Loss Compensation:	Dual slope configurable MLC up to 4dB per octave
		Phase Shift:	User selectable (network models only) 0° or 90° between outputs

Physical Specification

Dimensions Full width 1U 19" rack mount.
C5/C7: 430(W) x 190(D) 44(H) mm
C10/C14: 430(W) x 305(D) 44(H) mm

Weight D7-2 - 4.62kg
D10-1 - 4.37kg
D10-2 - 5.5kg
D14-2 - 6.9kg

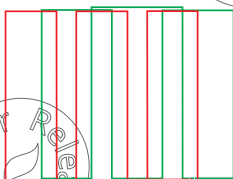
MultiLoop™ System Design Considerations

MultiLoop Drivers can be used for different types of loop layout. You will need a MultiLoop system design for the loop layout.

Low Loss Control MultiLoops

Multiple loop segments in two patterns each driven by its own output channel.

Best for optimum even area coverage across any area. Suitable for large areas and buildings with metal construction.



Low Spill MultiLoops

Similar in design to Low Loss MultiLoop but with a more complex pattern that requires more cable.

Suitable for applications where loops are close together or where confidentiality is an issue. Low Spill MultiLoops require careful and precise design.

