



RDL[®]
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

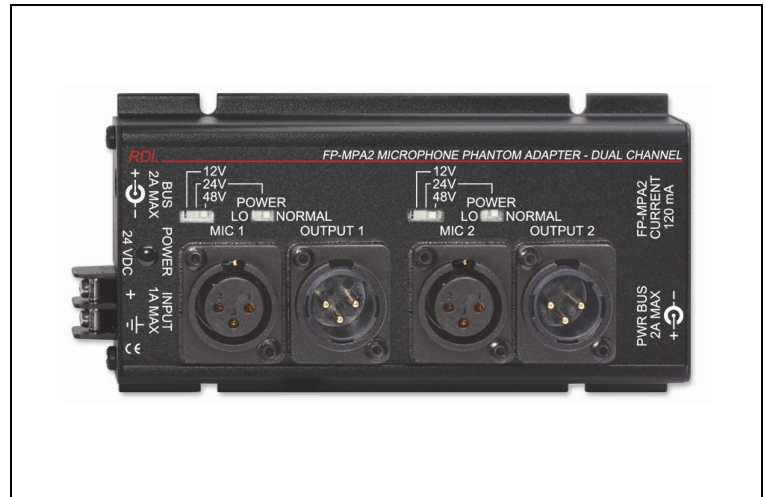
FLAT-PAK™ SERIES

Model FP-MPA2

Dual Phantom Adapter

ANYWHERE YOU NEED...

- Phantom Adapter for Two Mics
- Selectable Phantom Voltage
- 12V, 24V, 48V Phantom
- Selectable Current for 24V Mics
- All Standard Buildout Resistances
- Ultra-Compact All Metal Construction
- Convenience of RDL FLAT-PAKS



The FP-MPA2 is part of the group of versatile FLAT-PAK products from Radio Design Labs. The unique FLAT-PAK case can be directly screwed or bolted to cabinets or shelves. Optionally available rack-mounting accessories permit single or multiple FLAT-PAK module mounting. All FLAT-PAK modules are supplied with a power interconnect cable for daisy-chaining multiple modules from a single power supply.

APPLICATION: The FP-MPA2 is the ideal choice in any applications where phantom power needs to be provided to powered microphones. Two identical circuits are provided, with connections through XLR jacks. The microphone is connected to the module through the female XLR jack. The selected phantom voltage is applied to this jack. The microphone signal output is available on a male XLR. Phantom is blocked from this output jack. The phantom voltage is individually selectable for each input. A three position switch is provided for choosing 12 Vdc, 24 Vdc or 48 Vdc. Some microphones operating on 24 Vdc phantom perform optimally with higher value buildout resistances. For these particular 24 Vdc powered microphones, a second switch is provided to select the optimum current. The appropriate voltages are generated through a low noise dc-dc converter and regulator circuits. Each phantom output is short-circuit protected. Power connections are made using either the full-size barrier block terminals or a dc power jack located in one end panel. A second dc power jack is provided on the other end panel for connecting additional FLAT-PAK modules.

The FP-MPA2's low profile and compact size permit mounting in confined spaces and in various locations in equipment racks. The location of the input/output jacks permits high-density mounting against flat surfaces while maintaining accessibility to the connectors. Installations requiring multiple FP-MPA2s are ideally designed using FP-MPA2s affixed to rack sides, or by mounting them to either the front or rear rack rails using the RDL FP-RRA.

Wherever a microphone phantom adapter is needed to reliably provide any standard regulated low noise phantom supply voltage, the FP-MPA2 is the ideal choice. Use the FP-MPA2 individually, or combine it with other RDL products as part of a complete audio/video system.

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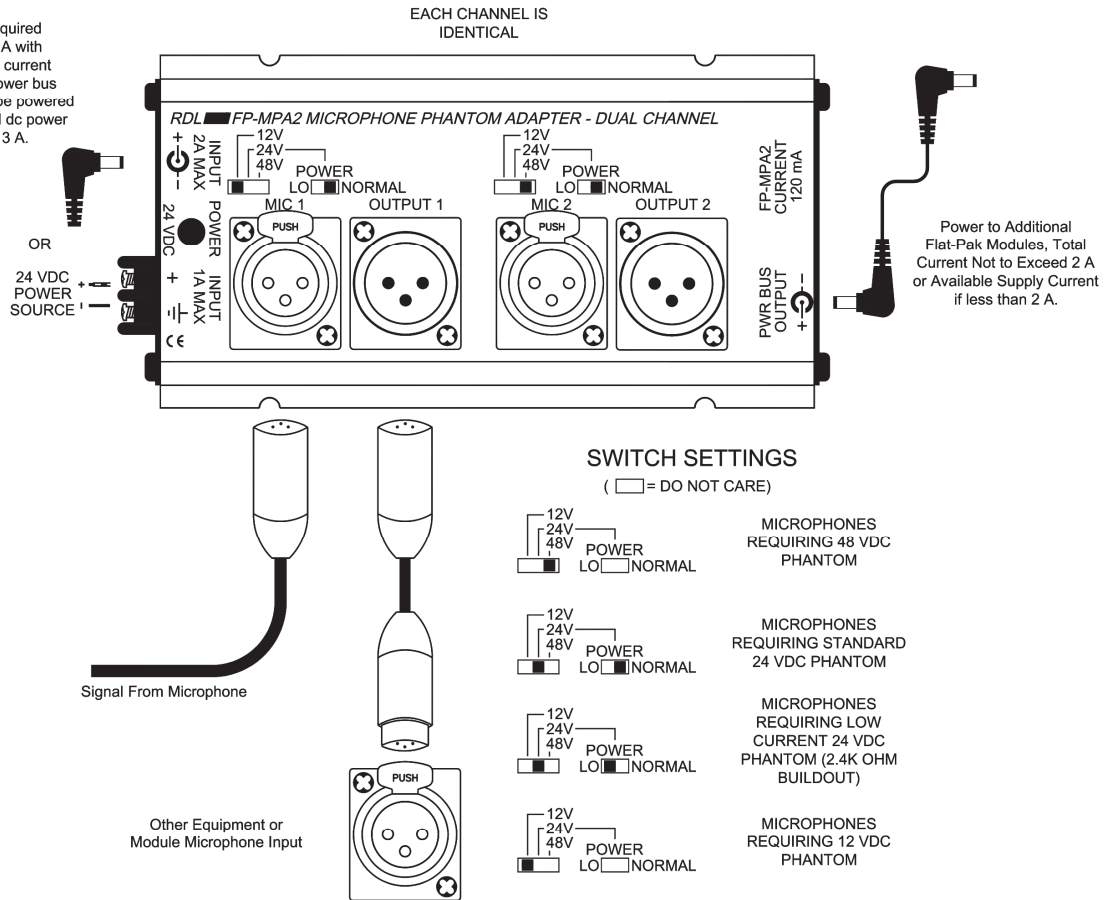
Model FP-MPA2

Dual Phantom Adapter

Installation/Operation

CE Declaration of Conformity available from rdlnet.com. Sole EMC specifications provided on product package. Specifications are subject to change without notice.

The maximum required input current is 2 A with the maximum load current connected to the power bus output. Module may be powered from a current limited dc power supply of up to 3 A.



TYPICAL PERFORMANCE

Inputs (2):	Low impedance balanced mic
Outputs (2):	Mic signal loop-through
Voltage and Buildout Standard:	IEC 61938: 2013
Phantom Voltages:	12 Vdc, 24 Vdc, 48 Vdc Selectable
Selectable Buildouts (24V only):	1.2 kΩ NORMAL (standard) or 2.4 kΩ LO (low current)
Connector Type:	XLR
Power Requirement:	24 Vdc @ 120 mA, Ground-referenced
Overall Dimensions:	Height: 1.42 in. 3.61 cm
	Width: 3.25 in. 8.26 cm
	Length: 6.67 in. 16.94 cm