

Dual Microphone-to-Line Amplifier

ML200

The **ML200** is a Dual Microphone-to-Line Amplifier with servo balanced line inputs at +22dBm. The front panel controls the selection of phantom power and preamp gain; there is also a front panel input and output peak flasher. The inputs and outputs are XLR.

The **ML200** provides two input channels at either line or microphone level to drive balanced and unbalanced lines. HI and LO preamp gain levels are front panel selectable for each channel. Peak indicators monitor preamp and output circuit levels. Switched phantom microphone power is provided and all audio connections are made using XLR type connectors.

ML200 is ideal for driving long lines in the presence of high hum and noise, or as an auxiliary rack mounted preamplifier to convert mixer high level inputs to microphone levels.



ML200 Features and Benefits

- Servo balanced line inputs
- Front panel level selections
- Switchable mic phantom power
- Input/output peak flasher
- XLR inputs and outputs
- Rack mounted one, two, or three across
- Convert mixer high level inputs to microphone levels
- HI and LO preamp gain

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Technical Specifications

ML200

OUTPUT LEVEL	+22dBm MAX, +4dBm Nominal into 600 ohm balanced or unbalanced lines
FREQUENCY RESPONSE	+/- .25dB 20Hz to 20kHz
DISTORTION	.05% THD Maximum at +20dBm .005% at nominal levels 20Hz to 20kHz
NOISE	MIC Input: EIN = -124dBm, LINE Input: EIN = -90dBm, 20Hz to 20kHz measurement bandwidth
GAIN	Preamp gain is front panel Hi-Lo selectable Lo is 0, 20 or 30dB. Hi is 30, 40 or 50dB set with internal DIP switch. Output gain 30dB continuously adjustable. Input/output peak flasher indicates at 3dB below clipping.
PHANTOM POWER	+20VDC regulated; Optional 48VDC available.
POWER	22 to 30VDC, 24VDC Nominal. @ 70mA from included external power supply
DIMENSIONS in.(cm)	1.75(4.45)H x 5.6(14.22)W x 5.75(14.6)D; 1.25 lbs, .57Kg
MOUNTING	Free standing or rack mountable; one, two or three units in 1.75 inches (4.45cm)
CONNECTORS	Standard XLR female input(s) and XLR male outputs.
POWER SUPPLIES	
WA100-1	Wall mount power supply (UL), 24VDC @ .4amp, 115 VAC/60Hz supplied as standard
WA100-2	Wall mount power supply or Table top power supply with IEC 320 Male 3 pin AC input connector, 24VDC @ .4amp, 230VAC/50Hz, optional at extra cost
PH48-1	48VDC phantom power option
RACK MOUNT KITS	21075-501 Holds up to 3 ML200 units 21097-501 1/3 RU Filler Panel
DESK MOUNT KITS	20617-501 Angled Desk Mount Base. 20617-502 Angled Desk Mount Base and One Stacker (2 units high). 20617-503 Angled Desk Mount Base and Two Stackers (3 units high). 20617-504 Stacker (2 units high) 20604-504 Horizontal Joiner (2 units side-by-side)
FIELD ACCESSORIES	
PROK-1	Unit protection kit consists of a set of side plates with attached side brackets. The side plates protect the front panel controls and the rear XLR connectors from impact damage, and for attachment to carry strap (not included); the slide brackets provide ease of access and exchange of the power assemblies i.e. PPA, DCA, or BBU.
REMOTE POWER PACKS	
PPA-1	Integrated power pack assembly for remote operation , which mounts to the ML200. Includes housing, rechargeable gel-cell battery pack (four hours operation), and an external battery charger operating at 115VAC/60Hz.
PPA-2	Same as above except battery charger operating at 230VAC/50Hz. Europlug. Contact factory for other plug configurations.
PPA-B	Extra rechargeable battery pack, charger not included.
DCA100-1	Integrated DC/DC assembly mounts to the ML200 and accepts external battery power with DC inputs from 10 to 32 volts to produce 24VDC at 200mA maximum.
BBU100-1	Battery Pack houses four 9V alkaline or lithium batteries (not included) for remote operation or back-up power.
WARRANTY	Limited, One Year Warranty