

NANOAMP™ Compact Distribution Amplifier

DMA103

The **DA103** is a one microphone to three servo balanced line device that input +22dBm. The DIP switch selection has phantom power and preamp gain for high output microphones and line level inputs. The DA103 contains master gain control and independent output level trimmers; it also has XLR input and outputs.

The **DMA103** accepts a microphone level input signal and provides either line or microphone level outputs to drive balanced or unbalanced lines. Phantom microphone power is provided and all audio connections are made using XLR type connectors.

- One microphone input to three servo balanced line outputs
- DIP switch selection
- Phantom power
- Preamp gain
- Master control gain
- Independent trimmers
- XLR input and outputs



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Technical Specifications

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OUTPUT LEVEL	+22dBm MAX, +4dBm Nominal into 600 ohm balanced or unbalanced lines
FREQUENCY RESPONSE	+/- .25dB 20Hz to 20kHz
DISTORSION	.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	Internal gain selection at 16, 30 or 40dB maximum.
PHANTOM POWER	+20VDC regulated; Optional 48VDC available.
POWER	22 to 30VDC, 24VDC Nominal. @ 100mA; See Power Supplies and Accessories
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 1¾"
CONNECTORS	Two piece quick release screw plug connector per input and and outputs.
POWER SUPPLIES	
WA100-1	Wall mount power supply (UL), 24VDC @ .4amp, 115 VAC/60Hz.
WA100-2	Wall mount power supply or Table top power supply with IEC 320 Male 3 pin AC input connector, 24VDC @ .4amp, 230VAC/50Hz
PH48-1	48VDC phantom power option
RACK MOUNT KITS	20604-501 Center mount for single unit 20604-502 Side-by-side mount for two units 20604-503 Side-by-side mount for three units
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 which 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 a mixer. 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 which mounts to a mixer 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