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[DM10] pm6 issue 7

DM/10 DESK MICROPHONE: Specifications and Connections

The DM/10 desk microphone is a ten zone paging unit featuring high quality capsule, swan neck, and base assembly with captive cable. A momentary operation "press-to-talk" key is fitted together with ten zone selection and one 'all-call' toggle switches which may be used to operate priority switching circuits in associated amplifiers or zone control units. The microphone signal is muted prior to operating the PTT switch.

ELECTRICAL SPECIFICATION

Impedance	200 ohms
Sensitivity	-60 dB rel. 1V/Pa
Frequency response	150Hz - 15kHz
Polar response	Cardioid
Switch current capability	1 Amp DC 24v
Busy Light	Red LED 24v DC 10mA via internal 2k2 resistor

MECHANICAL SPECIFICATION

Case size	155mm x 160mm x 60mm
Maximum height of assembly	330mm
Cable length	1.8m
Weight	625gm
Microphone	Black, non reflective. Grey cable.
Base	Two part steel. Two-tone textured grey paint. Non-skid feet fitted

CONNECTIONS

4 core Screened

Red - Blue	Microphone audio, balanced floating, normally muted
Yellow - Clear	Independent switching pair (normally open)
Braid	Screen. signal 0V to LPA.1 if fitted

15 core Screened

Pink	+24v to LPA.1 pre-amp, & busy LED via internal 2k2
Turquoise	0v to Busy LED
Black	Switching 0v
Blue	All Call
Brown	Zone 1
Red	Zone 2
Orange	Zone 3
Yellow	Zone 4
Green	Zone 5
Violet	Zone 6
Grey	Zone 7
White	Zone 8
Yellow/Red	Zone 9
Green/Red	Zone 10
Blue/Red	n/c
Braid	Chassis earth.

LPA.1 PRE-AMPLIFIER OPTION - where fitted

Output	-20dB to 0dB nominal into 600 ohm load, balanced
Maximum signal output	6V RMS off load
Gain adjustment	Clockwise to increase
Supply range	6-34V +DC. 1.2mA @ 12V, 3.5mA @ 24V
Supply configuration	Phantom supply or dedicated line

Note As the output level is relatively high, the corresponding amplifier input circuitry may be either:

- a line level input with integral phantom DC supply
- a line level input, with the unit powered from a separate 6-34V supply
- a microphone input preceded by a 60dB attenuator pad, with the unit powered from a 6-34V supply rail.

Use of the LPA.1 option directly with a phantom microphone input circuit will result in severe distortion.

All specifications are subject to change without notice in the interests of continuous improvement.



Electromagnetic compatibility (EMC) directive 89/336/EEC and amendment directive 92/31/EE. This equipment has been designed and manufactured to the highest standards. If connected and operated as set out in this manual, there should be no Electromagnetic Compatibility problems. If any aspect of operation gives rise to concern, then please contact the manufacturer for advice.