



# MUSTANG COMMUNICATIONS LTD

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[DM1] pm6 issue 7

## DM/1 DESK MICROPHONE: Specifications and Connections

The DM/1 desk microphone is a universal single zone paging unit featuring high quality capsule, swan neck, and base assembly with captive cable. A single, momentary operation "press-to-talk" key is fitted which may be used to operate priority switching circuits in associated amplifiers. The microphone signal is muted prior to operating this 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

Base size	118mm x 160mm x 60mm
Maximum height of assembly	330mm
Cable length	1.8m
Weight	525gm
Colour	Black, non reflective. Red switch. Grey cable.
Base	Two-part steel. Two-tone grey textured paint. Non-skid feet fitted

### CONNECTIONS

Brown - White	Microphone audio output balanced floating, normally muted
Yellow - Green	Independent switching pair (normally open)
Red	+24V to LPA.1 pre-amp if fitted, & busy LED. Internal 2k2 resistor.
Black	0V to Busy LED
Violet & blue	No connection
Braid	Overall screening earth., and signal 0V to LPA.1 pre-amp if fitted.

For connection to a locking DIN connector for use with a Mustang MMA, GA, VA, MACRO or MAESTRO series amplifier, in basic configuration, the cable connections would be as shown below. However, to take full account of the priority control of such amplifiers, please consult the corresponding Installation & Operation manual:

Connector pin 1	Brown
Connector pin 2	Braid
Connector pin 3	White
Connector pin 4	Yellow
Connector pin 5	Green
+24V Supply	Red
0V System Busy sink	Black
No connection to violet or blue	

### 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.