



# MUSTANG COMMUNICATIONS LTD

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## MHA.20 & MHA.30 MUSIC PROJECTOR LOUDSPEAKERS

### INSTALLATION CONNECTION AND ADJUSTMENT DETAILS

**INSTALLATION** These loudspeakers may be mounted conveniently using the integral "U" bracket. The captive cable should be terminated in a suitable junction box. If used outdoors, the loudspeaker should be angled downwards so that water cannot become trapped in the casing, and the junction box should be waterproof.

**CONNECTION** Connect the incoming 100V line to the captive cable cores and select the required power tapplings as follows:

#### MHA.20

RED	Common connection
WHITE	20 Watts
BLUE	15 Watts
YELLOW	10 Watts
GREY	5 Watts
BROWN	2.5 Watts

GREEN/YELLOW is a safety earth

The MHA.20 may be operated at 8 ohms. Connect between RED and BLACK. The amplifier power must NOT exceed 20Watts RMS into and 8 ohm load.

#### MHA.30

BLACK	Common connection
ORANGE	30 Watts
GREY	15 Watts
WHITE	7.5 Watts

Disregard and insulate the RED and BROWN connection when using 100V.

For optimum audio results, always maintain the same electrical phase amongst all loudspeakers in use in a single area.

### CAUTION!

In the interests of safety, all connections and adjustments should be made without the 100V loudspeaker line being in operation. Either switch off the appropriate amplifier, or isolate the 100V line at a junction box.

	MHA.20	MHA.30
100V Taps	20W, 15, 10, 5, 2.5	30W, 15, 7.5
Connections	0.5M multicore flying lead	
Response	150Hz - 15kHz	125Hz - 15kHz
Dispersion @ 1kHz	120°	150°
SPL @ 1W 1M	95	97
Driver	100mm	100mm
Mounting	Stainless steel U bracket	
Material & colour	ABS: Ivory/cream RAL9001-BS10C31	ABS: Ivory/cream . RAL9001-BS10B15
IP rating	54	54
Dimensions WxHxD mm	183 dia x 195 inc bracket	314 x 271 x 256 inc bracket
Net Weight Kg	2.2	3.7

*In the interests of continuous development, specifications are subject to change without notice. E & OE.*  
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Electromagnetic compatibility (EMC) directive 89/336/EEC and amendment directive 92/31/EEC  
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.