

TWO WAY MUSIC HORN LOUDSPEAKER

MSH60/T

MSH60/T is a weatherproof two-way pressure chamber music horn made of ABS plastic with a high frequency unit designed for high quality voice and music reproduction. For a horn speaker exceptionally unique and sound quality is provided by this horn with two driver units (one for the low frequency range and one for the high frequency range). It is great for areas where it is next to good voice quality, also where a very good music reproduction and a high sound pressure is required, such as for outdoor pools, sports arenas, recreational facilities on cruise ships.



Data dia anno Matta	
Rated power, Watts	60
Tappings 100 volt line, Watts	60/30/15/7.5
Transformer Impedance, Ohms 100V	167/333/667/1.33k
Tappings 70.7 volt line, Watts	30/15/7.5/3.75
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	60 - 16,500
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	99
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	117
Dispersion at 1k/2k Hz, Degrees	100/120 (horizontal) 60/120 (vertikal)
Acoustic Power (dB-PWL) bei 1 Watt) 1k/2kHz, dB	91/94
Directivity Axial Q factor, 1k/2kHz	9.38
Environmental	
IP Rating	65
Min/Max amb temp	-25°C to 70°C
Relative Humidity	≤95%
Mechanical	
Dimensions, mm	440x270x290
Net weight, kg	5.6
Colour (Unless Specified)	Gray, RAL 7035
Material	ABS Plastic with UV inhibitors
Mounting	Aluminium U bracket



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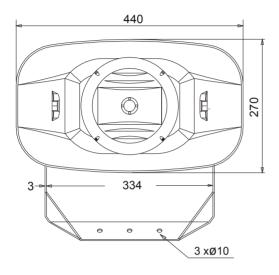
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INSTALLATION GUIDE MSH60/T

Front view (unit: mm)

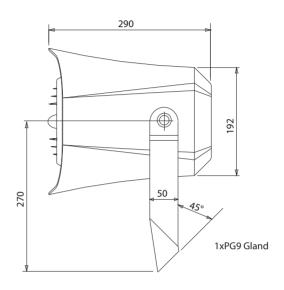


- 1) Remove the back lid of the unit and connect input cable to the ceramic terminal block through the cable gland provided.
- 2) On removing the back lid of the horn loudspeaker you will observe a 3 way ceramic or a 5 way plastic terminal block that is connected to the 100 volt line transformer. Fit the 100 volt line input cable to the selected volume (watts) that you require. For more information, look inside the lid where you will find a list of matching cable colours to watts, from 30 watts down to 3.75watts.

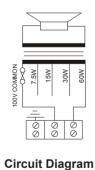
To change the tapping select the appropriate colour (black is always common) and connect accordingly.

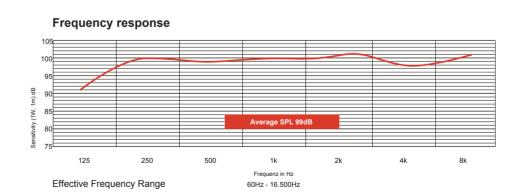
3) On selecting the tapping required and wiring the same, secure the cable gland tight into the back lid of the chamber.

Side view (unit: mm)



- **4)** Around the inner section of the chamber, where the back lid was removed, a rubber gasket is located, please make sure that it is in place when refitting to avoid water penetration.
- **5)** Drill the mounting location holes for the unit in line with the U bracket (2 holes 60 mm apart) in the surface where the loudspeaker is to be located. It is not necessary to use the central mounting hole in the bracket unless the loudspeaker is located on a pole mount clamp.
- **6)** Mount the speaker in the required location specified by an acoustic engineer.
- **7)** Before putting a 100 volt line through the unit it is advisable to check the impedance of the circuit.





Disclaimer: We reserve the right of changes and errors.



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