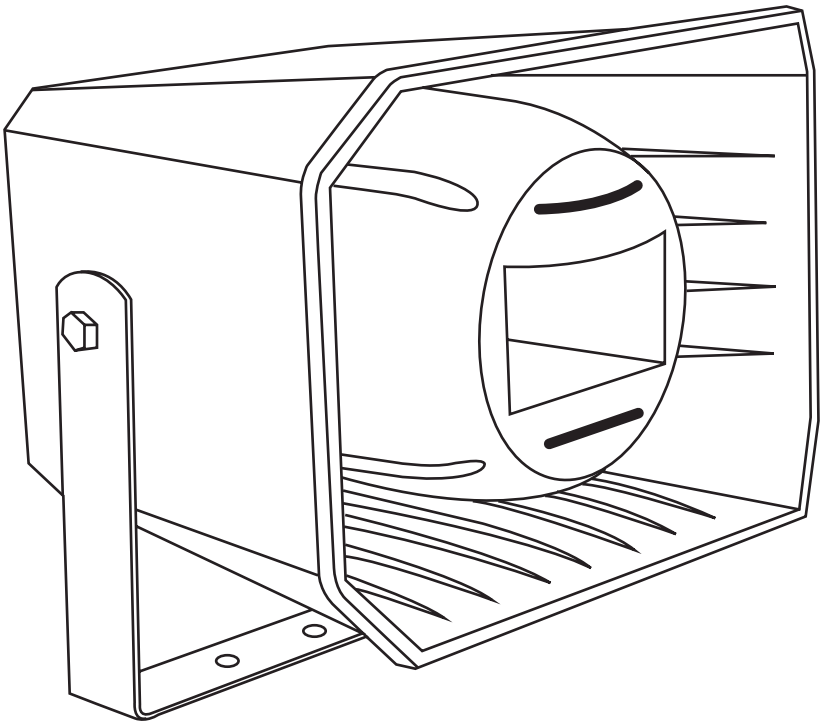
CLEVER
acoustics

www.cleveracoustics.co.uk



MH 50 - 100V 50W
Music Horn Loudspeaker

Order code: CRSP01

USER MANUAL

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!



CAUTION!

INPUT VOLTAGE OF 70-100V



SAFETY INSTRUCTIONS

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual



CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!



Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the loudspeaker cable come into contact with other cables. Handle the loudspeaker cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Do not expose to flammable sources or gases.
- Make sure that the loudspeaker-cable is never crimped or damaged. Check the equipment and the loudspeaker-cable periodically.
- If the equipment is dropped or damaged, disconnect the supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY; One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks etc.

Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property.

This 100V music horn loudspeaker is designed specifically for use in permanent audio installations, where reliability and premium sound quality are a must. Highly rugged construction and high efficiency design make this horn speaker perfect for continuous duty applications.

This horn loudspeaker is warranted from defects for three years from the date of purchase. Should your horn loudspeaker require service, either within or beyond that warranty period, please contact your Prolight Dealer.

This unit includes a host of features, along with an impressive list of specifications, which are detailed over the next pages. Please take the time to read this document completely prior to installation of this product.

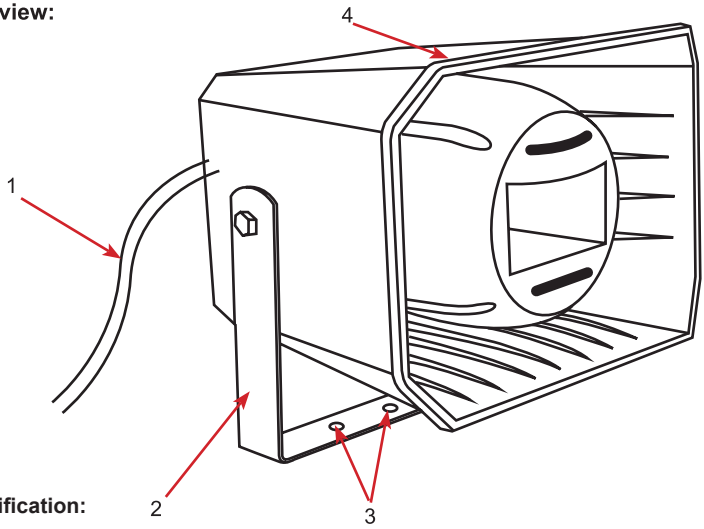
Features:

- Weather resistant horn loudspeakers for outdoor applications
- Extra wide sound dispersion angle
- Ideal for voice announcement and background music
- 3.5W, 4.5W, 9W, 12.5W, 25W and 50W power taps at 100V line
- Wide frequency response from 90Hz to 20kHz
- Supplied with adjustable mounting bracket
- ABS enclosure

Technical information			
100V	**70V**		**+VE -VE**
-	-	8Ω	Red / Black
50W	25W	200Ω	Red / Yellow
25W	12.5W	400Ω	Yellow / Green
12.5W	6.25W	800Ω	Green / White
9W	4.5W	1.1kΩ	Red / Green
4.5W	2.25W	2.2kΩ	Yellow / White
3.5W	1.75W	2.9kΩ	Red / White

Specifications	
Input:	70V, 100V, 8Ω
Power taps @ 100V:	3.5W, 4.5W, 9W, 12.5W, 25W, 50W
Power taps @ 70V:	1.75W, 2.25W, 4.5W,6.25W, 12.5W, 25W
Impedance:	8Ω, 2.9kΩ, 2.2kΩ, 1.1kΩ, 800Ω, 400Ω, 200Ω
Power (RMS):	50W
Sensitivity (1W/1m):	99dB (±3dB)
Maximum SPL (Rated W/1m):	116dB
Frequency response:	90Hz-20kHz
Drivers:	6" LF, 3" HF
Connections:	Internal terminal block
Dimensions:	255 x 360 x 315mm
Weight:	4kg
IP rating:	IP66
Order code:	CRSP01

Overview:



Identification:

1. Connection cable - Use this to connect to your mixer amplifier using the 70V or 100V connections. To maintain weatherproof rating the connection should be terminated within an IP rated enclosure

2. Mounting bracket - Use this bracket to mount the unit onto surfaces.

3. Mounting screw/bolt holes - Use this to attach the unit to the desired surface.

4. Horn loudspeaker housing

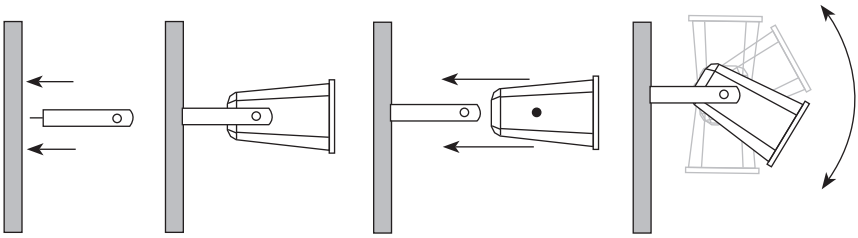
Wall Installation

The Horn loudspeaker can be installed on a wall, if the original speaker is equipped with an appropriate mounting point.

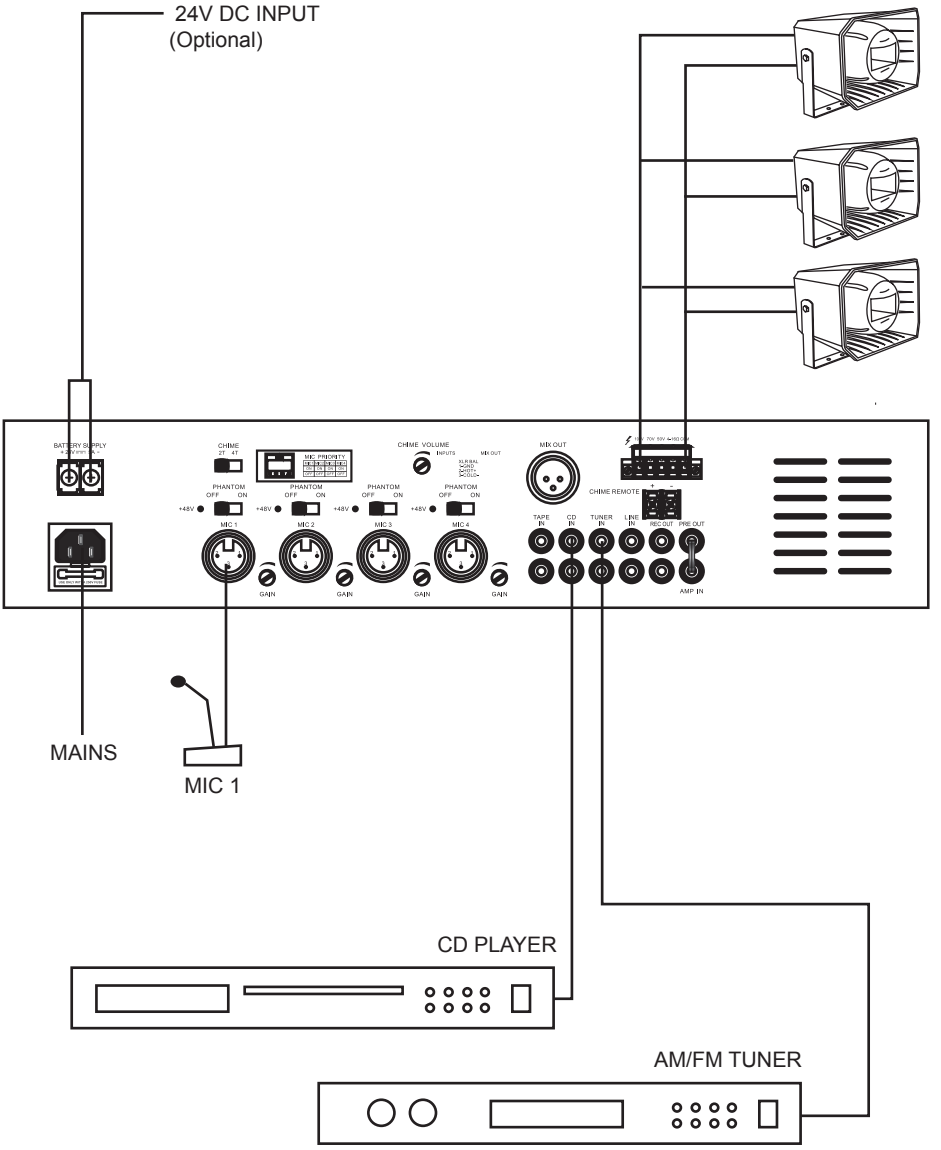
Before attaching the loudspeaker, make sure that the installation area can hold a minimum point load of 10 times the installations weight.(e.g.12Kg 130Kgs point load).

The durability of the installation depends very much on the material used at the installation area (building material), such as wood, concrete and brick etc.

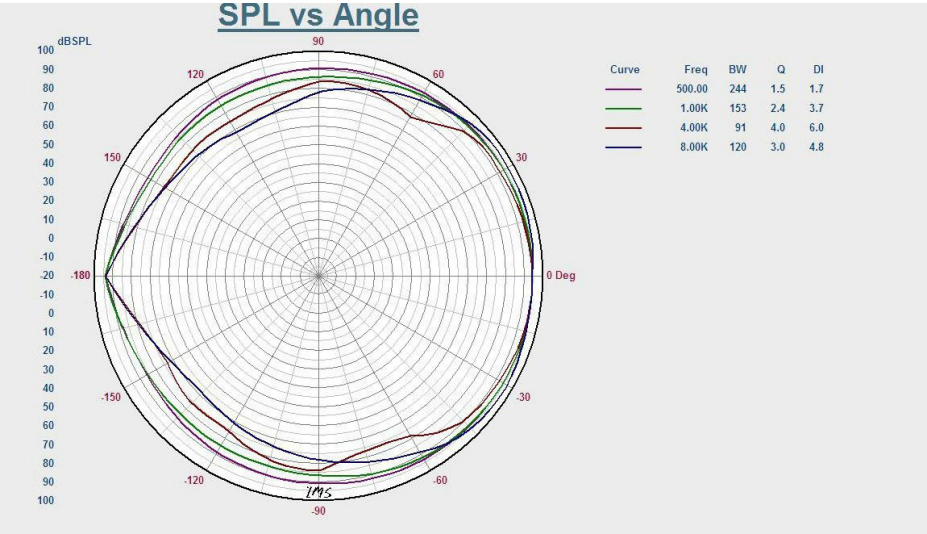
This is why the fixing material must be chosen to suit the wall material. Always ask a specialist for the correct plug/screw combination indicating the maximum load and building material.



Connections:



Dispersion characteristics:



CAUTION - DANGER TO LIFE
SWITCH OFF AMPLIFIER AND DISCONNECT
THE SPEAKER BEFORE
STARTING MAINTENANCE

Cleaning and Maintenance
We recommend a frequent cleaning of the product. Please use a soft lint free and moistened cloth. Never use alcohol or solvents.

There are no serviceable parts inside the product except for the fuse. Maintenance and service operations are only to be carried out by authorised dealers.

English



Correct Disposal of this Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with seperate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please seperate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

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