



RM 10 Twin Handheld VHF Radio Microphone System (173.8Mhz/175.0Mhz)

User Manual



Order code: MIC62

WARNING

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

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, 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 power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage 12-15V DC, 300mA. (240V AC~50Hz power supply included)
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light 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.
- This fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- **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 and electric shocks etc.

In case of malfunction this unit should be returned for service or inspection.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

RM 10 Twin Handheld VHF Radio Microphone System

The W Audio RM 10 is a dual channel, VHF wireless microphone system supplied with receiver and 2 handheld microphone transmitters. Suitable for mobile entertainers and small venues, the system is supplied in a foam lined ABS case for protection during transportation. Each mic requires 2 x 1.5V AA batteries not supplied.

- 2 x XLR outputs plus 1 x 6.35mm jack mixed output
- 6.35mm (1/4") jack to jack patch cable
- UK mains PSU
- Foam lined, ABS carry case



In the box:
**1 x receiver, 1 x audio lead,
 2 x wireless microphones,
 1 x PSU, 1 x carry case
 & 1 x user manual**

| Specifications | RM 10 VHF Radio Microphone System |
|---------------------------|-------------------------------------|
| Operating frequency | 173.8Mhz/175.0Mhz |
| Power supply | DC 12-15V, 500mA (adaptor supplied) |
| System in case dimensions | 310 x 430 x 100mm |
| System in case weight | 1.8kg |
| Order code | MIC62 |

Receiver front panel identification:**1. Audio Indicator:**

The LED Audio Peak indicator will illuminate green to show when the audio signal is being received by the receiver.

2. RF Signal Indicator:

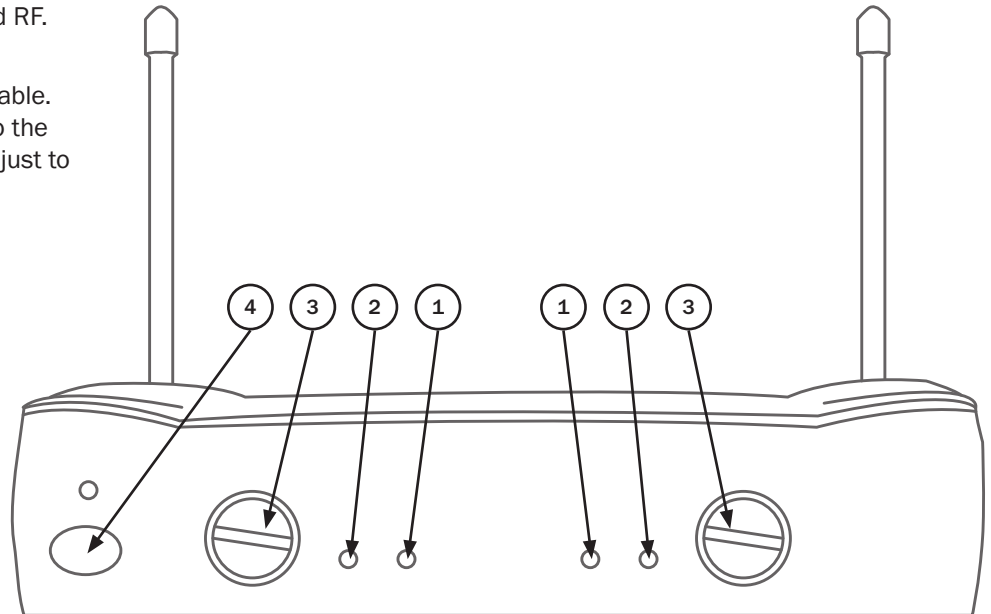
The LED RF Signal indicator will illuminate amber when the receiver unit receives a valid RF.

3. Volume Control:

The receiver's output volume is adjustable. Turn the level control anti clockwise to the lowest setting, or turn clockwise to adjust to the highest setting.

4. Power Switch:

On/Off control for the receiver unit.

**Receiver rear panel identification:****1. Antenna:**

The antenna receives the RF radio signal from the transmitter unit. For optimum reception, orientate vertically. Reception may be impaired by obstacles between the transmitter and receiver. High power electrical equipment can cause unwanted interference.

2. Balanced Audio Outputs:

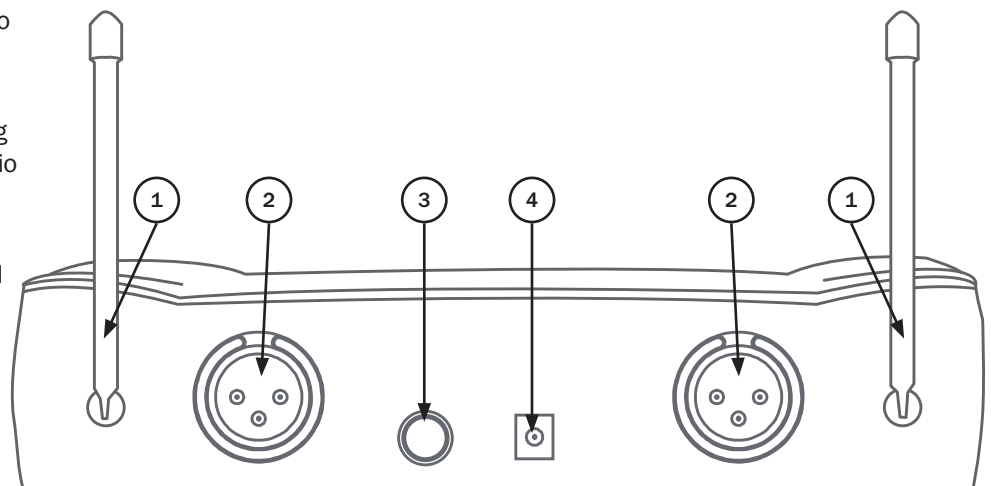
Individual, balanced audio outputs via 3 pin XLR for each of the two audio channels.

3. Audio (MIX) Output:

6.35mm (1/4") jack socket outputting an unbalanced, 400mV line level audio output featuring both audio channels.

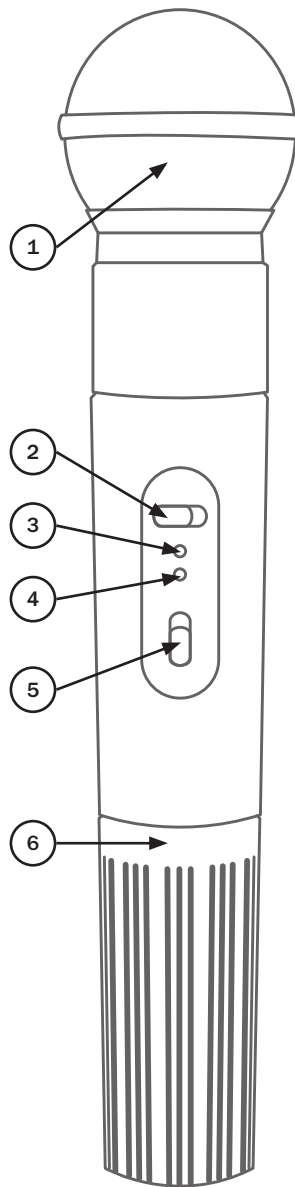
4. DC Power Input:

The receiver is powered by a standard DC power input 12-15V DC, 300mA regulated voltage supply.



Handheld transmitter identification:

1. Grille
2. Power switch
3. Power indicator
4. Battery status indicator
5. Mute switch
6. Battery cover



Operation:

- Carefully, lift the antenna into the vertical position.
- Connect the included power supply to a suitable 240V AC~ 50Hz mains voltage outlet and plug the DC connector into the DC Power Input on the rear panel of the receiver (12-15V DC, 300mA minimum, regulated type).
- Using the supplied audio cable, connect the MIX OUT on the rear panel of the receiver for both audio channels to the mixer's audio line input. The receiver also features balanced XLR outputs, one for each channel.
- Switch on the power, checking the red power LED illuminates.
- Open the battery compartment on the transmitter by unscrewing the lower portion. Install the appropriate batteries into the transmitter, taking care to observe the orientation and polarity. Only use high quality, alkaline type batteries. Refit the battery compartment cover carefully.
- Switch on the transmitter, during switch on the battery light on the transmitter should come on. If the transmitter is low on battery the green light illuminates permanently and the battery will require replacement.
- Adjust the volume on the front panel of the receiver for each of the channels.

NOTE:

The RM 10 system is shipped with two handheld transmitters. The receiver in this system features a dual channel receiver allowing both handheld microphones to be used simultaneously.

Troubleshooting:

| Problem | Possible cause | Solution |
|--|---|---|
| Receiver – no sound | Power button is in the OFF position. DC power adapter is not plugged in | Turn on the power button plug in the power adapter |
| Receiver – no LED | | |
| Microphone - no sound but LED indicators are lit | Mic transmitter is out of range. Mic is switched off. Mic volume is turned down. Batteries in mic are not installed properly. Receiver is not connected to an amp or mixer. | Ensure that the mic is within range. Turn on the mic switch. Turn up the mic volume on the receiver. Reinstall or use new batteries. Connect an output cable to an amp or mixer |
| Distorted sound or feedback | The 4 mics may be too close together. Batteries are running out of charge. Mic volume may be too high. Possible interference from another source. | Increase the distance between mics. Replace the batteries. Reduce the volume. Move the system away from other electric sources. |



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

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

This marking shown on the product or its literature, indicates that it should not be disposed of 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 separate 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.



