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PM 100 PAGING MICROPHONE (5 ZONE)

Order code: CRMIC01

USER MANUAL

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WARNING

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

	<p>CAUTION!</p> <p>Keep this equipment away from rain, moisture and liquids.</p>	
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SAFETY INSTRUCTIONS

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

- Be competent
- Follow the instructions of this manual

	<p>CAUTION! TAKE CARE USING THIS EQUIPMENT! HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!</p>	
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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 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 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.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Do not carry the unit with only one handle. Always carry using both handles.
- 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 is DC 24V.
- 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.
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 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, 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.
- 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, lamp failure etc.
- Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property.

The PM 100 Paging microphone is designed to be used in conjunction with the MA 240Z5 Mixer Amplifier (5 Zone).

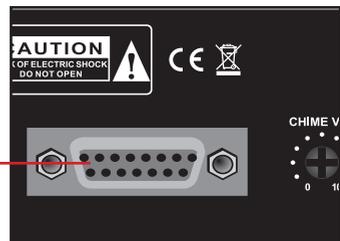
Features

- Remote paging microphone with input priority over MIC 1, siren and chime except for EMC and telephone input
- Condenser gooseneck microphone
- 2/4 tone selectable chimes
- 5 zone, all zone, talk and chime buttons
- Volume control over chime, mic and master
- LED amplifier output level meter

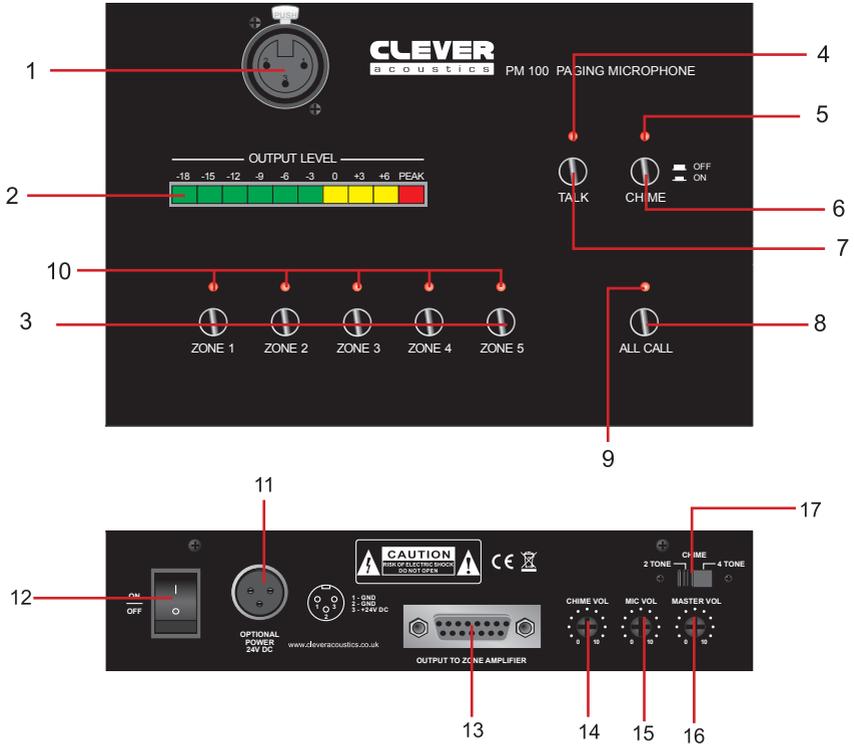
Specifications	PM 100
Microphone Inputs:	Mic 1-4 in @ 1kHz
Sensitivity:	-50dB/600Ω balanced
Frequency response:	30Hz-16kHz (±3dB)
THD:	< 0.1%
S/N ratio:	>65dB
Power supply:	24V DC
Dimensions (H x W x D):	197 x 115 x 43.5mm
Weight:	0.9kg
Order code:	CRMIC01

Port pin configuration:

Pin 1: Remote amplifier input signal hot (+)
Pin 2: Remote amplifier input signal cold (-)
Pin 3: Signal ground
Pin 4: Remote control 1 (zone 1)
Pin 5: Remote control 2 (zone 2)
Pin 6: Remote control 3 (zone 3)
Pin 7: Remote control 4 (zone 4)
Pin 8: Remote control 5 (zone 5)
Pin 9: Remote control ground
Pin 10: DC +24V
Pin 11: Input chime
Pin 12, 13, 14, 15: Not used



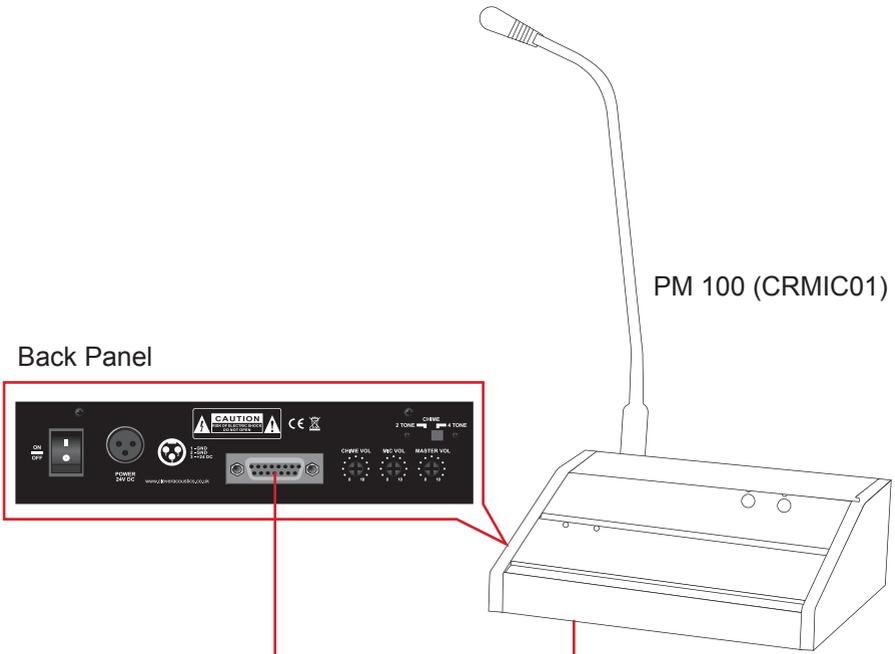
Overview:



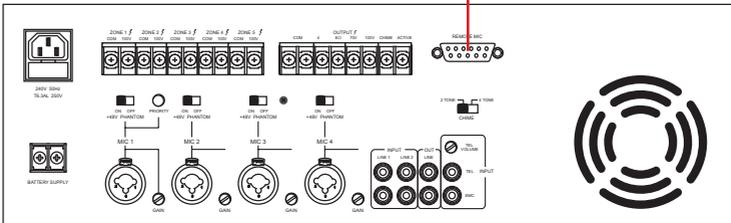
Identification:

1. **3-pin XLR mic input** - Use this socket to connect the supplied microphone
2. **LED Output level meter** - Displays amplifier output level.
3. **Zone selector buttons** - Use these button to select the desired zone
4. **Talk LED** - When the talk button has been pressed the LED will light up.
5. **Chime LED** - When the chime button has been pressed the LED will light up.
6. **Chime button** - Use this button to activate the chime tone
7. **Talk button** - Use this button activate the talk function
8. **All call button** - Use this button to activate all 5 zones to page out to.
9. **All call LED** - When All Call has been selected this LED will light up.
10. **Zone LEDs** - These LEDs will light up according to which zone has been selected
11. **DC 24V input** - This power input is only required if the mic is on 50m+ of cable
12. **On/off power switch** - Use the switch to power the unit on or off
13. **Communication port** - Use this socket to connect to the MA 240Z5 amplifier.
14. **Chime volume control** - Use this control to increase or decrease the chime volume
15. **Mic volume control** - Use this control to increase or decrease the mic volume
16. **Master volume control** - Use this control to increase or decrease the master volume
17. **2/4 tone selector switch** - Use this switch to select between the two tone options.

Panel Connections:

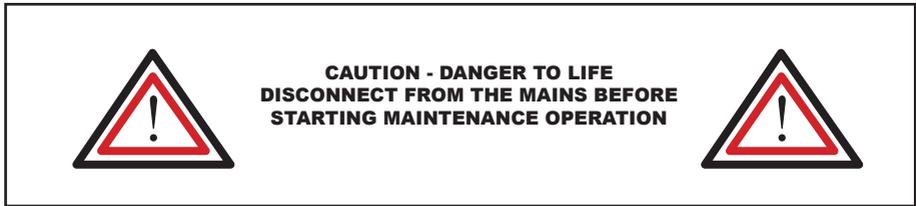


MA 240Z5



Problem Chart

PROBLEM	CAUSE	REMEDY
No Power	The power supply is not connected	Check the power supply and any extension cables
No Sound	The power supply of the respective product is not connected properly or not at all. The connection socket or the plug is dirty.	Check the power supply and if the plugs are properly connected with the sockets. Clean the socket and/or the plug.
Noise	The input signal is too strong	Reduce the input signal via the gain control.
Distorted Sound	Input is too strong	Ensure the user is not shouting into the microphone or positioning the microphone too close to the users mouth.



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.

Should you need any spare parts, please use genuine parts.

Should you have any further questions, please contact your dealer.

English



**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 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.



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