



PURERESONANCEAUDIO®

MX8-PM PAGING MICROPHONE

INSTALLATION AND OPERATION MANUAL




Caution: Please read this manual carefully before operating.
Damage caused by misuse is not covered by the warranty.


SAFETY PRECAUTIONS

- Be sure to read the instructions in this section carefully before use.
- Be sure to follow the instructions in this manual as safety symbols and message conventions are considered very important precautions.
- We also recommend you keep this instruction manual handy for future reference.

SAFETY SYMBOLS AND MESSAGE CONVENTIONS

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety risks.

 **WARNING!** Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

 **CAUTION!** Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

 **WARNING!**

WHEN INSTALLING THE UNIT

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Only use this unit with the specified power source. Incorrect voltage or wattage can lead to serious consequences, including equipment damage, safety hazards, and even personal injury.
- Do not bend or damage the CAT-5 cable. Also, avoid using the cable near heating appliances and never place heavy objects on the cable, as this could result in fire or electric shock.
- Do not install or place the device in an unstable place, such as a wobbly table or sloped surface. Otherwise, the device may fall and cause personal injury and/or property damage.

WHEN THE UNIT IS IN USE

- Should the following irregularities be found during use, immediately disconnect the CAT-5 cable and contact your nearest dealer. Make no further attempt to operate the unit in this condition, as this may cause fire or electric shock.
 - If you detect smoke or a strange smell coming from the unit
 - If water or any metallic object gets into the unit
 - If the unit falls or the unit case breaks
 - If the CAT-5 cable is damaged (exposure of the core, disconnection, etc.)
 - If it is malfunctioning
- To prevent a fire or electric shock, never open or remove the unit case. Refer all servicing to your nearest dealer.
- Do not place containers of liquid or metallic objects on top of the unit.

CAUTION!

WHEN INSTALLING THE UNIT

- Never plug in or remove the CAT-5 cable RJ45 connector with wet hands, as doing so may cause electric shock.
- When unplugging the CAT-5 cable, be sure to grasp the RJ45 connector; never pull on the cable itself. Operating the unit with a damaged cable may cause a fire or electric shock.
- When moving the unit, be sure to disconnect the CAT-5 cable from the mixer. Moving the unit with the cable connected to the mixer may cause damage, resulting in fire or electric shock.
- Avoid installing the unit in humid or dusty locations, in locations exposed to direct sunlight, near the heaters, or in locations generating sooty smoke or steam, as doing otherwise may result in fire or electric shock.

WHEN THE UNIT IS IN USE

- Do not place any objects on the unit, as this may cause it to fall or break, which may result in personal injury and/or property damage. In addition, the object itself may fall off and cause injury and/or damage.
- Ensure the volume control is set to the minimum position before the power is switched on. Loud noise produced at high volume when the power is switched on can impair hearing.
- Do not operate the unit for an extended period of time with the sound distorting. This is an indication of a malfunction, which in turn can cause heat to generate and result in a fire.
- If dust accumulates on the RJ45 plug, a fire may result. Clean it periodically. In addition, insert the connector in the mixer securely.
- Unplug the CAT-5 cable from the mixer for safety purposes when cleaning or leaving the unit unused for 10 days or more. Doing otherwise may cause a fire or electric shock.

PLEASE NOTE:

Due to product upgrades, some of the features and specifications in this user manual may or may not match the actual functions of the unit.

DESCRIPTION

The Pure Resonance Audio MX8-PM 4-zone desktop gooseneck paging microphone is a complete, all-in-one paging solution tailored for commercial applications. Designed exclusively to work with the MX82 and MX84 mixers, this user-friendly microphone station makes it easy to page individual, multiple, or all four zones simultaneously. With essential features like volume control, a pre-announcement chime, and a zone-locking switch, the MX8-PM is the perfect choice for businesses that need clear, high-quality sound reproduction for paging and announcements.

FEATURES

- Page individual zones, selected zones, or all zones
- Condenser microphone powered via CAT-5
- Optional pre-announcement chime
- Wide range input sensitivity
- Zone locking switch to protect against unexpected tampering
- Easy installation with one CAT-5 cable for all controls and power
- Low distortion and low noise level
- Compact size and lightweight
- LED indicators for power, signal, and clip

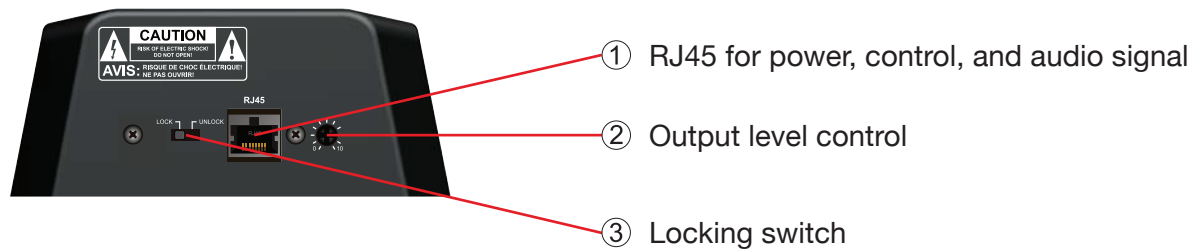
SPECIFICATIONS

Input Sensitivity	-60 dB \pm 3 dB/600 Ω Balanced
Output Level	0 dB/600 Ω Balanced
Frequency Response	45Hz~15kHz/ \pm 1 dB
Distortion (THD)	< 0.1%
Signal-to-Noise Ratio	< 90 dB
Gooseneck Dimensions (L)	17" (432mm)
Base Dimensions (H x W x D)	2.38" (60mm) x 5.5" (140mm) x 8.07" (205mm)
Net Weight	1.9 lbs (0.86 kg)

FRONT PANEL



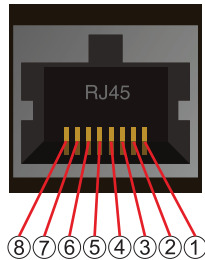
REAR PANEL



CONNECTIONS

The MX8-PM should be connected to the Pure Resonance Audio MX82 or MX84 mixer for proper functionality.

The RJ45 PIN Out is as follows:

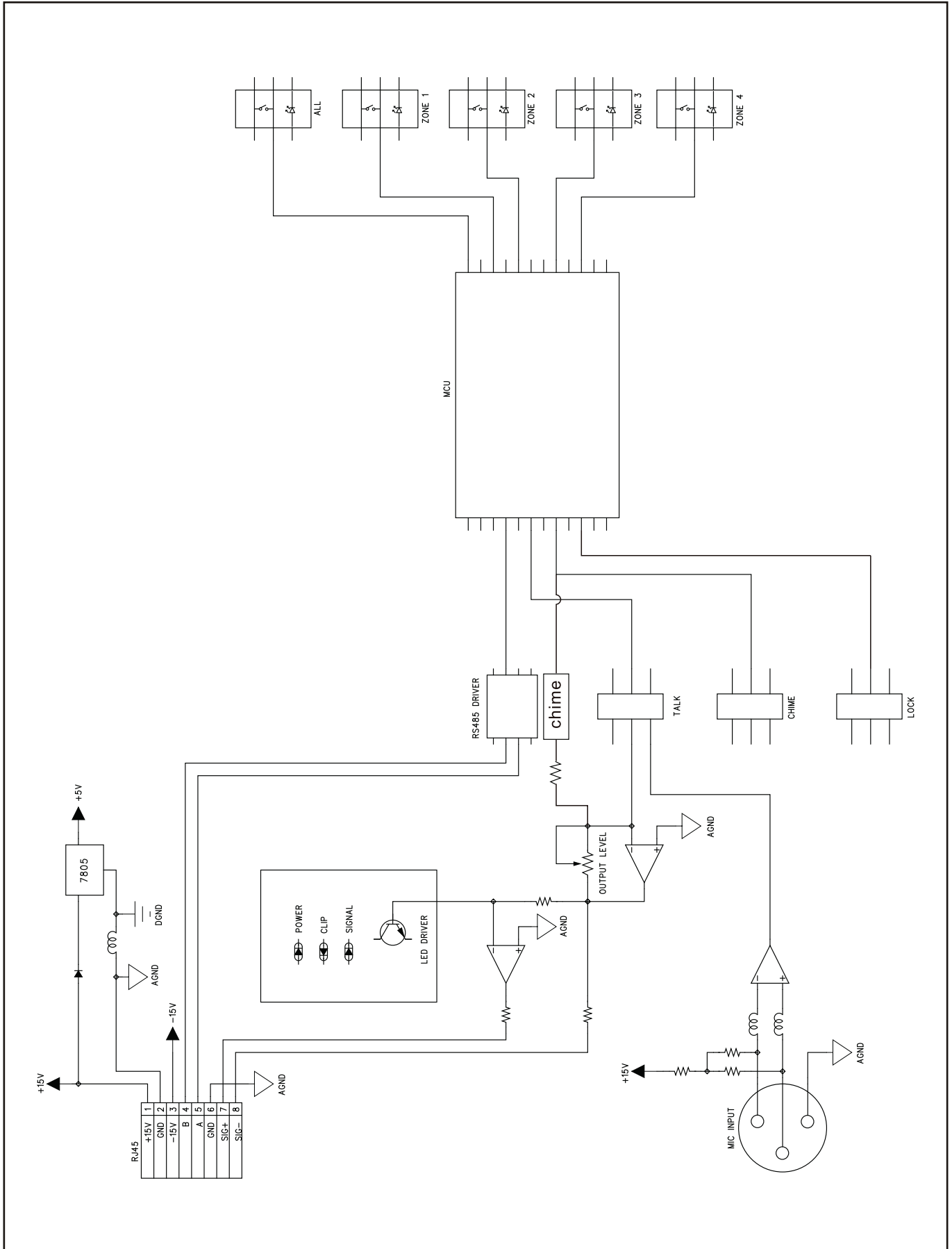


1. + 15 Volts
2. Ground
3. - 15 Volts
4. Data -
5. Data +
6. Ground
7. Signal +
8. Signal -

OPERATION

1. Press the zone select button Z1 to Z4 for individual zone announcements.
2. The selected zone LED should be turned on. If you want to remove the selected zone, press the same zone button again.
3. The "CHIME" button allows you to play a pre-announcement chime.
4. Press and hold the "TALK" button while making an announcement to the selected zone(s).
5. When the locking switch is in the "UNLOCK" position, press the zone select button(s) for the zone(s) where the microphone will be used, then flip the locking switch to the "LOCK" position. The zones that were not selected will be locked and will not be paged.
6. Zone selection buttons will not work when the locking switch is in the "LOCK" position.
7. The output level can be controlled by the rear volume.

BLOCK DIAGRAM



SERVICE

In the event of a malfunction, ensure the problem is not related to operator error or system devices external to this unit. Once it is certain that the problem is related to the product, contact your warranty provider as described in the warranty section of this manual.

LIMITED WARRANTY

PRO ACOUSTICS, LLC. ("PRO ACOUSTICS") warrants this product to the original purchaser to be free from defects in materials and workmanship (subject to the terms set forth below), for the following periods from the date of purchase.

THIS WARRANTY COVERS THE LISTED PRODUCTS AGAINST DEFECTS IN MATERIALS OR WORKMANSHIP FOR THE FOLLOWING PERIOD

Warranty Terms	
Speakers	2 Years
Amplifiers & Electronics	1 Year
Microphones	1 Year
Accessories	1 Year

PRO ACOUSTICS will repair or replace (at PRO ACOUSTICS's option) this product or any defective parts (excluding electronics and amplifiers) in this product.

Your authorized PRO ACOUSTICS dealer will inspect the product and, if your dealer is not equipped to perform the repair of your PRO ACOUSTICS product, they will replace your product or return it to PRO ACOUSTICS for repair, at their discretion. Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This warranty is invalid if the factory applied serial number has been altered or removed from this product. This warranty is invalid if this product was not purchased from a PRO ACOUSTICS authorized dealer. Cosmetic damage or damage due to the accident, acts of God, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product are not covered in this warranty. This warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than PRO ACOUSTICS or a PRO ACOUSTICS dealer which is authorized to do PRO ACOUSTICS warranty work. Any unauthorized repairs will void this warranty.

This warranty does not cover products sold as is.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER/PURCHASER. PRO ACOUSTICS U.S.A. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

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