

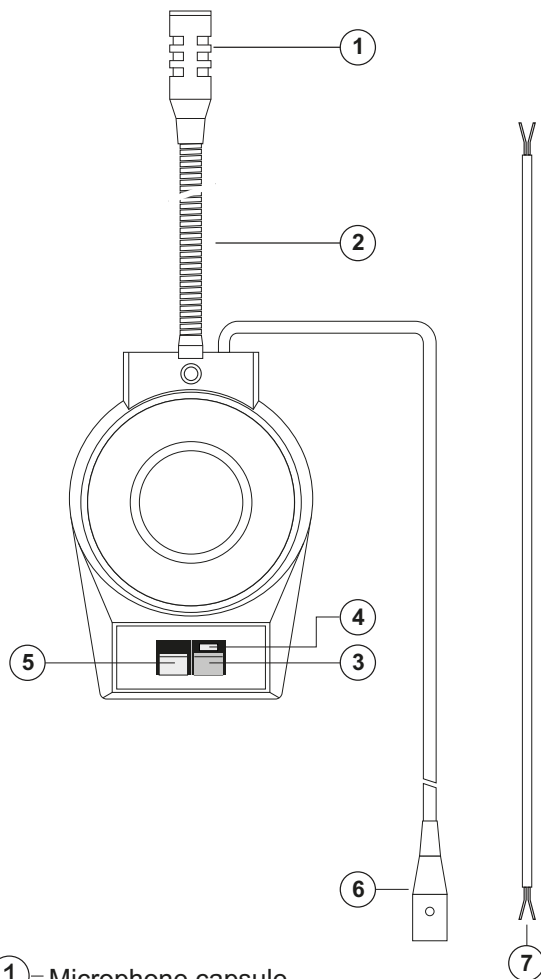
PZ-40

Paging microphone

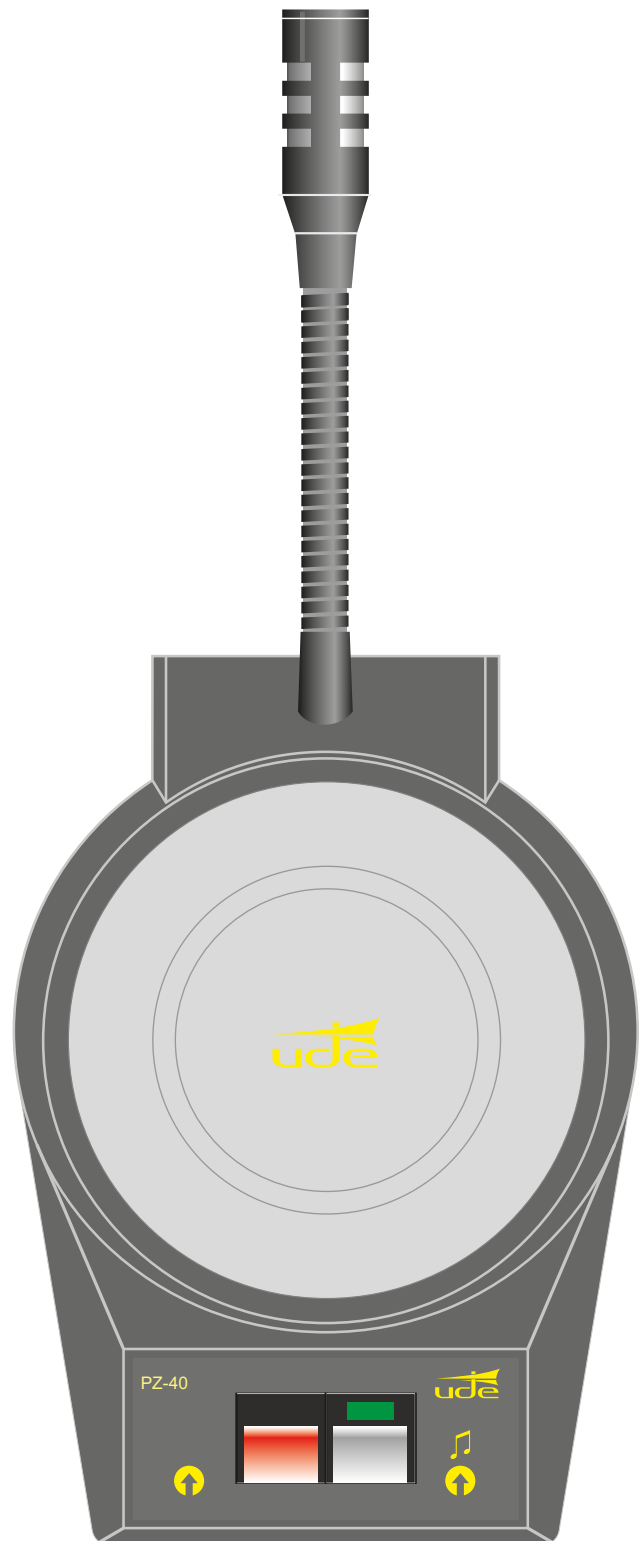


The PZ-40 paging tabletop microphone with high-quality condenser microphone, for general purposes in a public address system with XLR plug.

The microphone is equipped with electronic chime.



- ① - Microphone capsule.
- ② - Gooseneck microphone.
- ③ - PTT (Push to talk) button with chime.
- ④ - LED status.
- ⑤ - PTT (Push to talk) button without chime.
- ⑥ - XLR male with 3 m. long audio wire.
- ⑦ - Remote control wire (supplied) with 3.2m long.



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rev.1 | 610.466a | 1 / 6

Installation

PZ-40 factory configuration is:

- XLR audio output.
- Remote control wire to connect with UDE equipments.
- Phantom power from 12 to 24Vdc.
- 3 tone chime configuration.

The XLR connector can be plug direct to an UDE amplifiers / preamplifier, with XLR socket and **microphone with phantom power configuration**.

In necessary case, you may configure:

1.- Remove back cover of the microphone (**see figure 1**).

2.- Choose the power supplied mode:

- **Phantom power:** PZ-40 operates with phantom power supply from 12 to 24Vdc.
For phantom power supply between 24 to 48Vdc, cut resistances R4 and R6 (2k7) on circuit board 107.287 (**see figure 2**).

- **External:** This power supplied is used when there is no phantom power supply. Place the JP1 in 12V position and connect a power supply in terminal block 0 and +12V (**see figure 2**).

3.- Remote control configuration:

Connect the remote control wire between TM4 and RTM5 from the terminal block inside the paging desk; pull out through the second cable gland (**see figure 3 and note 1**).

4.- 2 or 3 tone chime adjustment.

Depending on the position of the JP2, the paging desk will have two or three tones, afterwards potentiometer P1 can adjust the chime volume (**see figure 2**).

5.- Connect audio cable to an amplifier or preamplifier:

5.1- Connect the PZ-40 with a XLR output + remote control wire (**see figure 3**).

5.2.- Connect the PZ-40/DIN through a DIN connector (**see figure 4**).

6.- Refit the back cover (**see figure 1**).

Note 1: The paging desk has a XLR male with 3 m. long audio wire and remote control wire with 3.2m long. Also has an internal terminal block for an easy swap wire operation, according on the installation necessities.

ATTENTION

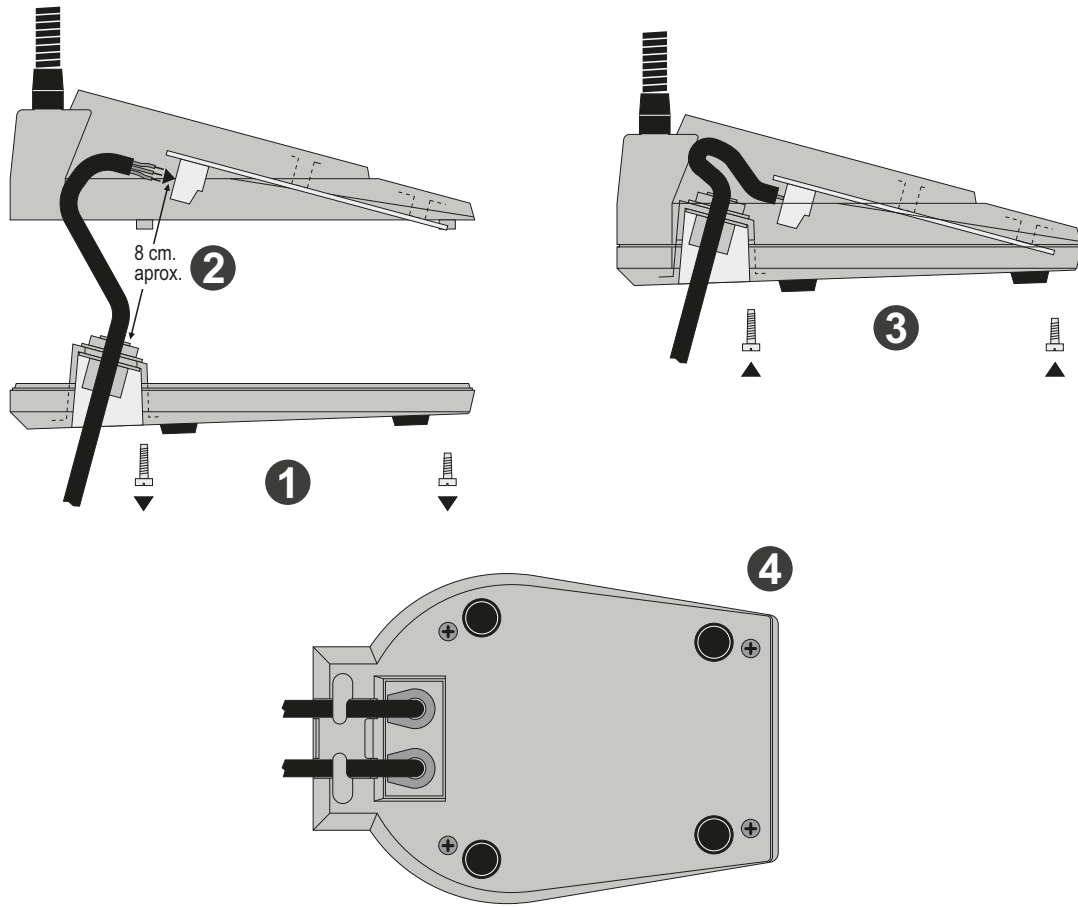
Paging desk PZ-40 has an internal battery NiMh that is constantly charging while exist phantom power. First time microphone is installed or long periods without phantom supply, 4 hours are necessary to charge completely before to use. Once the battery is full, PZ-40 can be used normally, even after weeks without phantom supply.
Only in case of permanent usage (every 4 seconds) during a long period of time an external power supply of 12Vdc is required.

ATTENTION

UDE can provide a DIN male audio wire instead of the XLR+remote control.
Tell this option in the order time (ref. PZ-39/DIN).

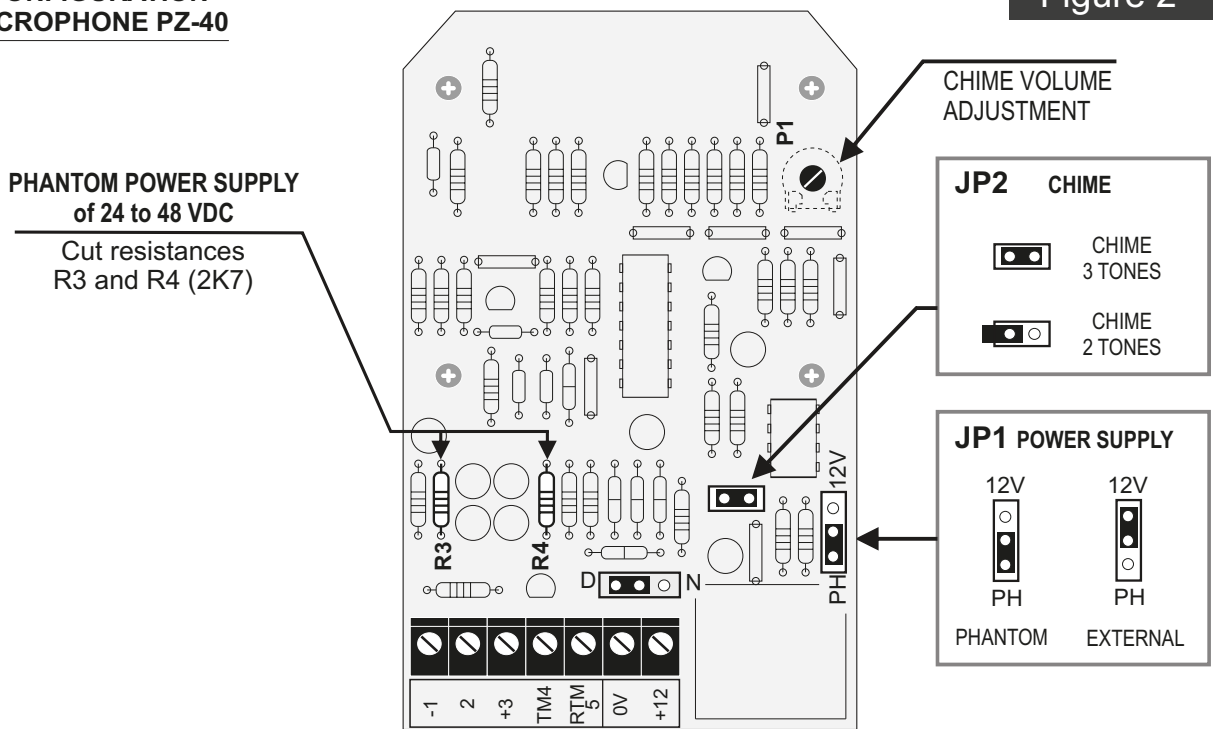
OPEN AND CLOSE PROCEDURE

Figure 1



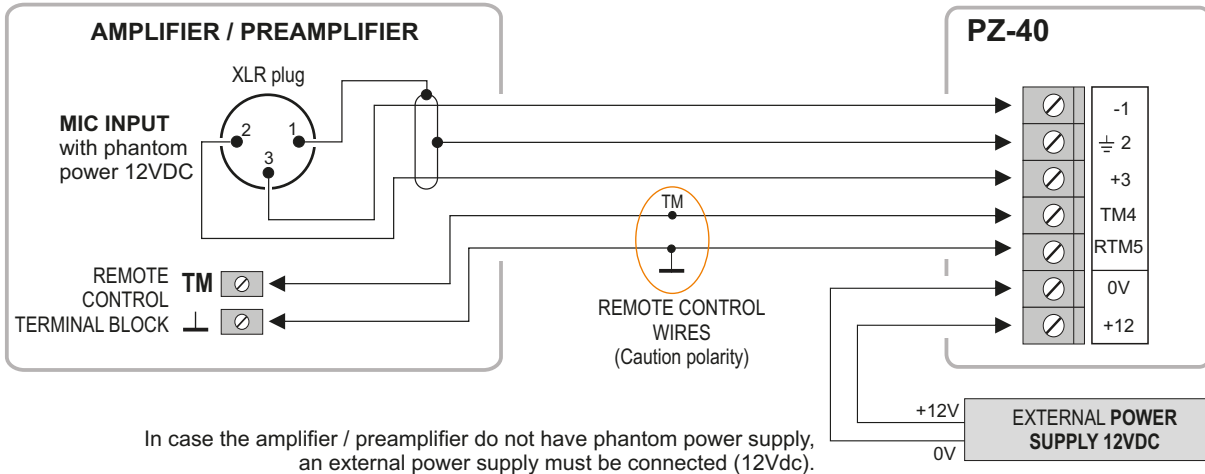
CONFIGURATION MICROPHONE PZ-40

Figure 2



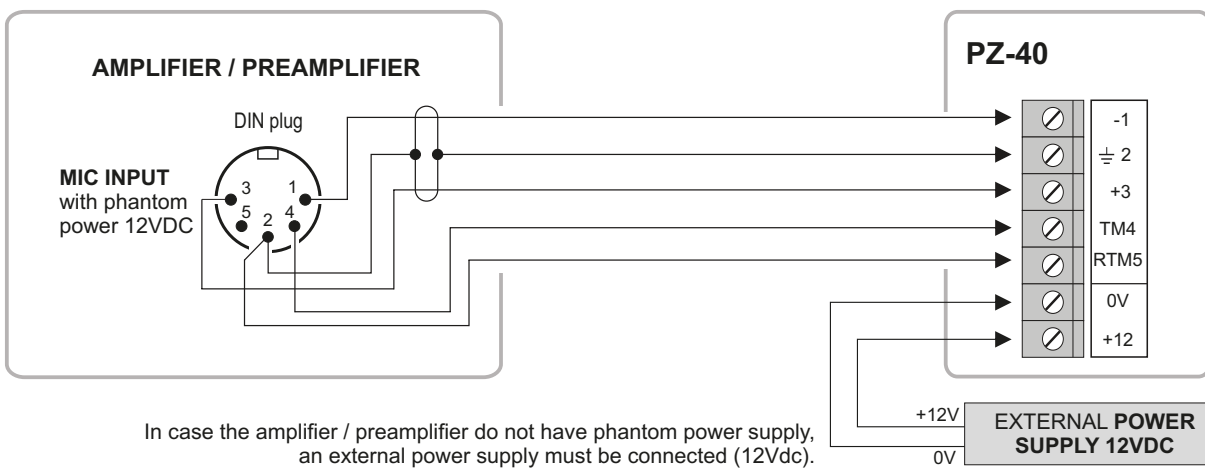
Connection XLR Connector

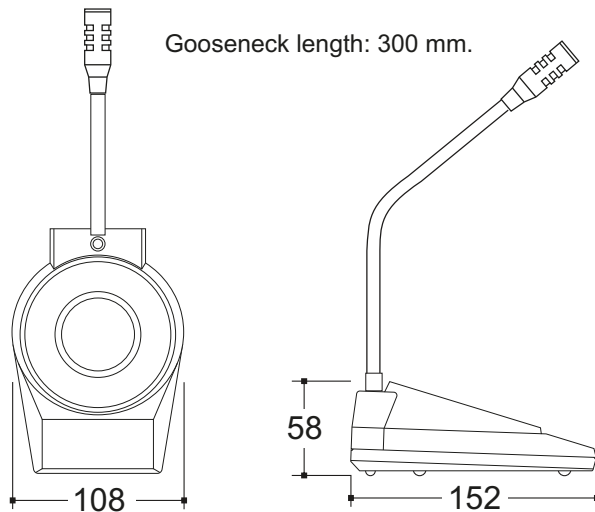
Figure 3



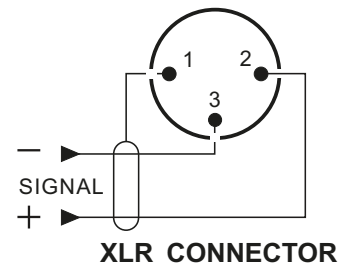
Connection DIN Conector - Optional

Figure 4





DIMENSIONS IN MILLIMETRES



- Unidirectional electret microphone.
- Signal output: Balanced.
- Impedance: 600 Ω .
- Audio plug: XLR.
- Chime tone: 3 tones / 2 tones.
- Alimentation: Phantom.
- Sensitivity: -67 dB (0 dB = 1 V / μ Bar).
- Frequency response: 150 Hz to 10 kHz.
- Material: ABS / Metal.
- Colour: Grey.
- Cable length: 3 meters.
- Weight: 420 grams.

ATTENTION

The PZ-40 microphone has a NiMh battery inside which is permanently charged as long as phantom power is connected. As a result, there is no need to change batteries periodically. When installing and setting up the microphone for the first time, if the battery is discharged for any reason (several months of non-use, storage, etc.), you should allow a charging time of 4 hours before using the microphone. Once the microphone has reached its normal operating mode and the battery is charged, the microphone will work perfectly well even after a period of several weeks of non-use. Exceptionally, in case of continuous use of the microphone, which does not allow the battery to be recharged, an external 12VDC power supply should be used.

**IMPORTANT**

There is the option of supplying the cable with DIN connector instead of the cable with XLR connector + remote control. Indicate this option when ordering (ref. PZ-40/DIN).

**IMPORTANTE**

Keep the equipment away from sources of heat, sparks, open flame or hot surfaces. Follow the legislation in force, depending on the country, regarding the recycling of batteries. Keep the equipment in a place without humidity, without exposure to dripping or splashing water. Do not place objects filled with liquid on the equipment. Do not expose installed batteries to excessive heat from sunlight, fire or the like.

