

CHIME MICROPHONE

EC-100M

Please follow the instructions in this manual to obtain the optimum results from this unit.
We also recommend that you keep this manual handy for future reference.

1. GENERAL DESCRIPTION

TOA's EC-100M Chime Microphone features a soft, comfortable chime tone suited for paging announcements. Its operation is as easy as those of normal microphones.

2. FEATURES

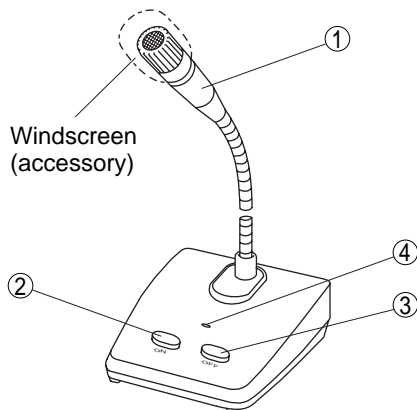
- Ascending 4-note pre-paging chime tone, and descending 4-note post-paging chime tone.
- The microphone can be turned on or off by simply one-touch pressing a button.
- Long battery life. Two R14P batteries keep the unit in operation for about 3 years (provided the unit is used for an hour per day).

3. BEFORE USING THE UNIT

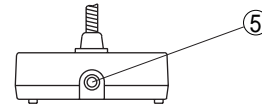
Prepare two R14P batteries to operate the unit.

4. NOMENCLATURE AND FUNCTIONS

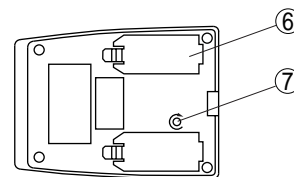
[Top]



[Rear]



[Bottom]



1. Microphone

Close-talk type unidirectional dynamic microphone.
The gooseneck shaft facilitates positioning of the microphone for the optimum acoustic effect.

2. Microphone ON Key

Pressing this key sounds an ascending 4-note tone and turns on the microphone.

3. Microphone OFF Key

Pressing this key sounds a descending 4-note tone and turns off the microphone.

4. In-Use Lamp

Lights when the microphone is turned on. Unless this lamp lights even when the Microphone ON Key is pressed, replace the batteries.

5. Output Jack

Chime tone and microphone signals are provided from this 600 Ω , unbalanced output jack. Using the supplied cord, connect this jack to an amplifier.

6. Battery Compartment

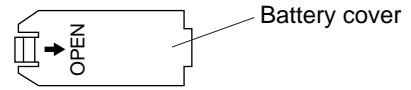
Place an R14P battery. (2 places)

7. Chime Volume Control [CHIME VOL.]

Turning the control clockwise using the supplied screwdriver will increase the volume.

5. BATTERY INSERTION

- Step 1.** Slide the battery cover (2 places) on the bottom surface in the arrow-pointed direction to remove it.
- Step 2.** Noting the polarity, insert the battery.
- Step 3.** Replace the battery cover.



6. BATTERY REPLACEMENT

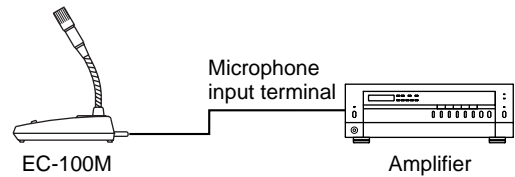
The EC-100M is designed to save power and the battery life is about 3 years on the basis that it is used for an hour per day. However, it is highly recommended that the batteries be replaced every 2 years to avoid failures resulting from battery leakage. Use a battery replacement date label attached to the bottom surface. The batteries also need to be replaced when the in-use lamp does not light even if the Microphone ON Key is pressed.

Note: Be sure to replace both batteries with new ones.

7. CONNECTION

- Step 1.** Set the amplifier's microphone volume control to the minimum position.
- Step 2.** Using the supplied cord, connect the unit's rear panel-mounted output jack to the amplifier's microphone input terminal.

Note: When the supplied cord is too short to cover the wiring distance, prepare the unbalanced-phone plug cable separately.



8. OPERATION

- Step 1.** Press the Microphone ON Key.
An ascending 4-note tone will sound and the in-use lamp light, turning on the microphone.
- Step 2.** Make an announcement.
Keep your mouth 5 – 10 cm away from the microphone and speak normally for the best possible sound reproduction. Adjust the microphone orientation for the best position by turning its gooseneck shaft.
- Step 3.** After announcement completion, press the Microphone OFF Key.
The in-use lamp will be extinguished and a descending 4-note tone sounded. Be sure to press the OFF Key after announcement completion. Failure to do this leaves the microphone on, shortening the battery life.

Note: A chime does not sound
when the Microphone ON Key is pressed during an announcement,
or
when the Microphone OFF Key is pressed while the microphone is switched off.

9. USING THE CHIME VOLUME CONTROL

When the chime and microphone volumes are not balanced well, adjust the chime volume control located on the bottom surface using the supplied screwdriver. The chime volume increases as the control is rotated clockwise. Ensure that the screwdriver is inserted perpendicular to the bottom surface and that it is not pushed strongly.

10. SPECIFICATIONS

Power Source	3 V DC (two R14P batteries)
Current Consumption	2 mA (on) or 10 μ A (off)
Chime	Ascending and descending 4-note tone, Tone frequency: 442, 553, 660, and 883 Hz
Microphone	Unidirectional moving-coil microphone
Output	-73 dB, 600 Ω , unbalanced (Chime: -45 dB at maximum chime volume control position)
Finish	Case: Zinc die casting, metallic gold, paint
Weight	770 g

Note: The design and specifications are subject to change without notice for improvement.

0 dB=1 V

• Accessories

- Cord (unbalanced phone-to-phone plug, 2 m) 1
- Screwdriver (for control adjustment) 1
- Windscreen 1