

NECK WORN MICROPHONE

EM-362-AS

1. SAFETY PRECAUTION

Before installation or use, be sure to carefully read and follow all the precautionary instructions in this section to ensure long, trouble-free use of your equipment.

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

⚠ WARNING

- Be sure to act on the instructions as safety precaution to prevent bodily injury and property damage.
 - Use the appropriate battery. Pay attention with the batteries polarity when insert the batteries to unit.

- Avoid directly to sunlight, high temperature or high humidity when come to storage of batteries.
- If the unit is not in used for more than 10 days. Remove all 2 batteries, to prevent battery leakage.

2. SAFETY MAINTENANCE

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquid, high temperature and high humidity.
- Do not open the cover to modify the unit. For service, contact the nearest TOA dealer.
- Do not drop the unit to hard object and use dry cloth to clean the unit. Do not use gasoline, thinner, etc.

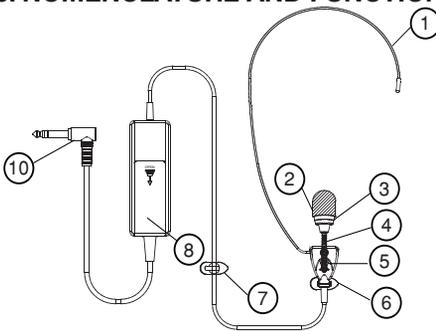
3. GENERAL DESCRIPTION

The EM-362-AS is a neck worn condenser microphone that is designed exclusively for leader prayer in mosque (Imam) and other applications where constant body movement is unavoidable. This product is equipped with an optional power that is selectable between battery and phantom power. The microphone position can be easily adjust near the mouth for best pick up.

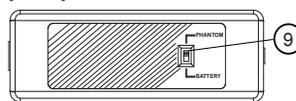
4. FEATURES

- Press the button on the microphone to turn on/off the microphone.
- Battery/phantom switch selection on battery case for microphone operation.
- Use two pieces batteries size "AAA".

5. NOMENCLATURE AND FUNCTIONS



[Front]



1. Wire Hanger

Using this on neck as a hook to microphone. the hook made from durable material and can be stretched according to size of neck

2. Microphone

Close-talk type cardioid electret condenser microphone. It has the high sensitivities and wide range frequencies.

3. LED Ring

Light blue when the microphone is turned on and it will turn off when microphone in off mode.

4. Flexible Shaft

Adjust the flexible shaft for microphone positioning to achieve optimum performance.

5. Microphone ON/OFF Button

Press this key to turn on or off microphone.

6. Microphone Clip

Using the clip on clothes, shirt, etc to keep the unit in position.

7. Cable Clip

Hook the clip in position so that cable do not interfere user's movement and reduce risk of being walk on or sit on.

8. Batteries Compartment

Place the AAA batteries (2 pcs).

9. Selector Switch

Select this switch to use battery or phantom as the power supply for this unit.

10. Phone Plug

Direct connect balanced phone jack to input of amplifier.

6. BATTERY

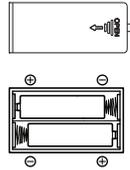
6.1. Life Span

Assuming application and usage being 1 hour/day, unit can be used for 6.7 months to 9.3 months depending on brand and type of batteries.

6.2. Battery Insertion

Step 1. Open the battery cover. Insert the battery according to battery polarity (see the right picture)

Step 2. Put back the battery cover to product



7. CONNECTION

Step 1. Set the amplifier's microphone volume control to the minimum position.

Step 2. Plug the phone jack of microphone unit to the amplifier's microphone input.

Distance Mic
to mouth
± 3 - 6 cm



8. OPERATION

Step 1. Use the necklace hanger to the neck, adjust the flexible shaft to first position (see the top right picture). Hook the both the clips to clothes, shirt, etc on your body.

Press the microphone ON/OFF button. The LED on the unit will light blue, turning on the microphone.

Step 2. Keep your mouth 3 – 6 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 flexible shaft. If distance of mouth is too near, it causes voice distortion. Adjust the microphone by pulling away or lowering it. This is due to the high sensitivity of the microphone.

Step 3. Switch off the power, when not in used.

Note : The battery will be depleted if the microphone is not turn off after used.

9. USING THE SWITCH SELECTOR MODE

Selector switch have 2 modes. There are battery mode and phantom power mode. If using battery as power input, select the switch to battery position and if using phantom power as power input, select to phantom power position.

10. SPECIFICATIONS

Power Source	3V DC (2 x "AAA" batteries) or Phantom power (9 ~ 52 V)
Microphone Element	Electret Condenser
Polar Pattern	Cardioid
Rated Impedance	600 ohm, Balanced
Rated Sensitivity	-35 ± 3 dB (1kHz 0 dB = 1 V/Pa)
Frequency Response Mic	60 Hz ~ 20 kHz
Output Connector	1/4 " Balanced L Plug, 200 mm
Cable Length	7 m
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Finish	Battery Case Unit, Switch Unit, Mic Unit : ABS Resin, Black, Flexible Shaft : Copper Alloy, Black, Paint, Shield tube Wire Hanger : Steel wire shield rubber, Black, Paint
Dimensions	260 mm (h) x 135 mm (w) (10.24" x 5.31")
Weight	190 g (exclude batteries)

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

