

# GOOSENECK MICROPHONE

# EM-380-AS

Thank you for purchasing TOA's Gooseneck Microphone.  
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

## 1. GENERAL DESCRIPTION

TOA's EM-380 Gooseneck Microphone is a unique shape and high quality condenser microphone designed for use in lecture halls, house of worship and paging applications. This product is equipped with an optional power that is selectable between battery or phantom power.

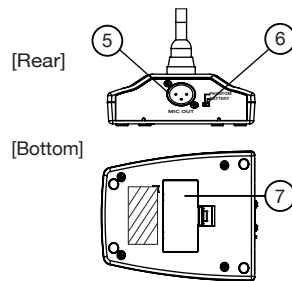
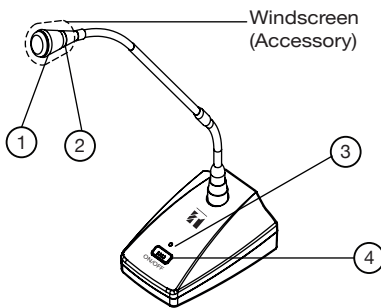
## 2. FEATURES

- By pressing the button, the microphone can be turn on or off.
- Microphone operation by selecting the battery/Phantom switch on the rear of the microphone.
- Use two pieces batteries size " AA ".

## 3. BEFORE USING THE UNIT

Prepare two AA batteries (3 VDC) or phantom power 9 - 52 VDC to operate the unit.

## 4. NOMENCLATURE AND FUNCTIONS



### 1. Microphone

Close-talk type cardioid electret condenser microphone. The gooseneck shaft facilitates positioning of the microphone for the optimum acoustic effect.

### 2. Gooseneck Lamp

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

### 3. Power Lamp

Same as gooseneck lamp, power lamp will turn on when the microphone is turned on and it will turn off when microphone in off mode.

Note : if battery is low, the lamp will turn off, but the microphone still can be used. Recommended to change the battery when this happen.

## 5. BATTERY

### 5.1. Life Span

Application and use battery for speech and paging be assumed such as table below

Application	3 hours/week	3 hours/day	Times*
Speech	20 months	3 months	-
Paging	-	-	92,500

\* Approximate be assumed use one time paging for 10 seconds.

### 4. Microphone ON/OFF Button

Press this key to turn on or off microphone.

### 5. Balance Output XLR

Output impedance of the microphone is 750 ohms. Use the supplied cable to connect with an amplifier.

### 6. Selector switch

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

Note : Recommended to use the supplied cord or balance cable, especially if using the phantom power. Otherwise gooseneck lamp and power lamp dimly lit, although the unit can operate normally.

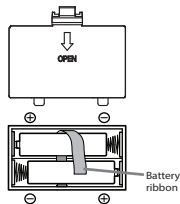
### 7. Battery Compartment

Place AA batteries (2 pcs).

## 5.2. Battery Insertion

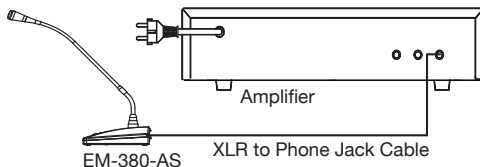
- Step 1. Open the battery cover.
- Step 2. Insert the battery according to battery polarity and make sure the remaining ribbon on top of the batteries. (see right below picture).
- Step 3. Put back the battery cover to product.

Caution : If the microphone is not used more than 1 month, please pull out the battery from the unit in order to avoid the battery leakage. To release the batteries, please pull the remaining ribbon carefully from the battery compartment.



## 6. CONNECTION

- Step 1. Set the amplifier's microphone volume control to the minimum position.
- Step 2. Using the supplied cable to connect the mic out of microphone unit to the amplifier's microphone input.



## 7. OPERATION

- Step 1. Press the microphone ON/OFF button.  
The gooseneck lamp and the power lamp light and 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. If distance of mouth is too near, it cause voice distortion. Adjust the microphone by pulling away or lowering it. Because the high sensitivity's microphone.
- Step 3. After announcement is completed, press the microphone ON/OFF button.  
Both the unit's lamp will go off and microphone turn off.

Note : Be sure to press the ON/OFF button after announcement completion. Failure to do this, shortening the battery life.

## 8. USING THE SELECTOR SWITCH MODE

Selector switch have 2 modes. There are battery mode and phantom mode. If using battery as power input, select the switch to battery position. And if using phantom as power input, select to phantom position. Be sure to turn ON the phantom power from Amplifier or mixer. For reference can use phantom power from mixer amplifier A-2000 Series, A-2000D Series, A-2128, A-1724 and other TOA's mixer amplifier.

## 9. SPECIFICATION

Element	Condenser Microphone
Polar pattern	Cardioid
Rated Impedance	750 ohms, balance
Rated Sensitivity	-41 ± 3dB (1kHz 0dB = 1V / Pa)
Power	3V DC (2 x "AA" batteries) or Phantom Power ( 9 - 52 V)
Frequency Response	50 - 16,000 Hz
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Finish	Stand = ABS Resin, Black, Paint Shaft = Copper alloy, Black, Paint
Dimensions	110 (w) x 145 (d) x 532 (h) mm
Weight	550 g ( exclude batteries)
Accessory	Windscreen ..... 1 XLR to Phone Jack Cable (7.5m) ....1

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

### Traceability Information for Europe

Manufacturer :  
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