

# ICOM INSTRUCTIONS

## DESKTOP MICROPHONE

# SM-50

Thank you for purchasing the **SM-50** DESKTOP MICROPHONE. This is a unidirectional, dynamic microphone designed for base station operation with an Icom transceiver.

Please read these instructions thoroughly before using the microphone.

### PRECAUTIONS

⚠ **NEVER** expose the microphone to rain, snow or any liquids.

⚠ **NEVER** let metal, wire, etc. touch any internal part of the microphone.


⚠ **NEVER** touch or operate the desktop microphone with wet hands.

**DO NOT** place the microphone in excessively dusty environments or in direct sunlight.

Place the microphone in a secure place to avoid inadvertent use by children.

This microphone is for Icom transceivers only!— The microphone cannot be used with a non-Icom transceiver since the power is supplied from the connected transceiver.

#### About CE

 The SM-50 complies with the essential requirements of the 2004/108/EC directive for Electromagnetic Compatibility.

### SPECIFICATIONS

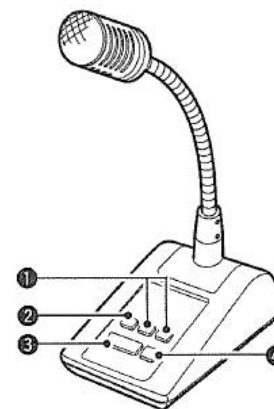
- Microphone type : Unidirectional dynamic microphone (preamp built-in)
- Output impedance : 55  $\Omega$   $\pm$ 30% (at 1 kHz)
- Sensitivity : -30 dB  $\pm$ 4 dB (at 1 kHz, 0 dB=1 V/Pa)
- Power requirements : 5-10 V DC (supplied from the transceiver)
- Cable length (approx.) : 1000 mm; 3 ft 3 $\frac{3}{8}$  in
- Weight (approx.) : 730 g; 26 oz

All stated specifications are subject to change without notice or obligation.

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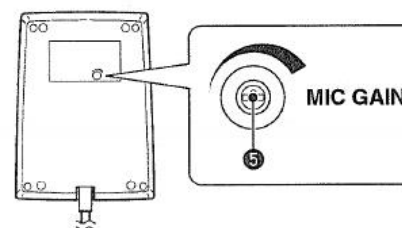
### PART NAMES AND FUNCTIONS

#### ◇ FRONT VIEW




- ① **FREQUENCY UP/DOWN SWITCHES [UP]/[DOWN]**  
Push to change the frequency.  
• Pushing and holding the switch changes the frequency continuously.
- ② **LOW CUT SWITCH [LOW CUT]**  
Push to cut out the low frequency components of input voice signals.
- ③ **PTT SWITCH [PTT]**  
Push to transmit, then release to receive.
- ④ **PTT LOCK SWITCH [LOCK]**  
Push to transmit continuously. The transmission continues until pushing this switch again.

#### ◇ BOTTOM VIEW

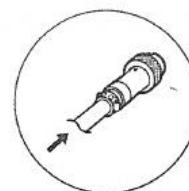


- ⑤ **MIC GAIN VOLUME [MIC GAIN]**  
Rotate to adjust the microphone output level.  
• Use this control as an adjunct to the microphone gain setting of the connected transceiver.

 Rotating the control too far clockwise may result in over-modulation and transmit signal distortion.

#### ◇ PLUG PIN ASSIGNMENTS

The pins are described from the direction of the arrow in the illustration.



- ① Microphone output
- ② 5-10 V DC input
- ③ Frequency up/down
- ④ No connection
- ⑤ PTT
- ⑥ GND (PTT ground)
- ⑦ GND (Microphone ground)
- ⑧ No connection

Icom Inc.

1-1-32 Kamiminami, Hirano-ku, Osaka 547-0003, Japan

Count on us!

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