

ICOM

INSTRUCTIONS

DESKTOP MICROPHONE

SM-50

Thank you for choosing this Icom product. **READ ALL INSTRUCTIONS** carefully and completely before using this product.

The SM-50 is an unidirectional, dynamic microphone designed for base station operation with an Icom transceiver.

PRECAUTIONS

CAUTION: NEVER expose the microphone to rain, snow or any liquids. The microphone may be damaged.

CAUTION: NEVER let metal, wire or other objects protrude into the microphone or into connector.

CAUTION: NEVER touch or operate the desktop microphone with wet hands.

CAUTION: NEVER use harsh solvents such as benzine or alcohol when cleaning, because they will damage the microphone's surfaces.

CAUTION: USE with specified Icom transceivers only. Other manufacturer's transceivers have different pin assignments and may damage the transceiver or microphone if attached.

DO NOT operate or place the microphone in direct sunlight or in areas with temperatures below -10°C ($+14^{\circ}\text{F}$) or above $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$). **DO NOT** place the microphone in excessively dusty environments.

Always place the microphone in a secure place to avoid inadvertent use by unauthorized person.

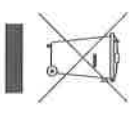
PRECAUTIONS

About CE

The SM-50 complies with the essential requirements of the 2014/30/EU directive for Electromagnetic Compatibility and

the 2001/95/EC directive for General Product Safety.

DISPOSAL



The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.

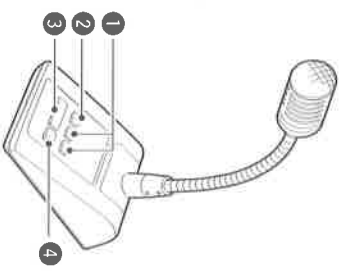
SPECIFICATIONS

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

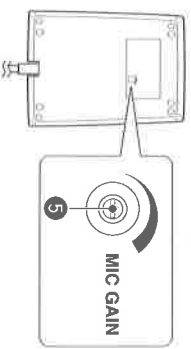
All stated specifications are subject to change without notice or obligation.

PART NAMES AND FUNCTIONS

FRONT VIEW



BOTTOM VIEW



1 FREQUENCY UP/DOWN SWITCHES [UP]/[DOWN]
Push to change the frequency.

2 LOW CUT SWITCH [LOW CUT]
Hold down to change the frequency continuously.

3 PTT SWITCH [PTT]
Push to transmit, then release to receive.

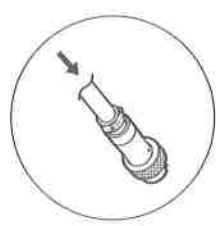
4 PTT LOCK SWITCH [LOCK]
Push to transmit continuously. The transmission continues until pushing this switch again.

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.

NOTE: 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 GND (Microphone ground)
- ⑥ GND (PTT ground)
- ⑦ PTT
- ⑧ No connection

Icom is not responsible for the destruction, damage to, or performance of any Icom or non-Icom equipment, if the malfunction is because of:

- Force majeure, including, but not limited to, fires, earthquakes, storms, floods, lightning, other natural disasters, disturbances, riots, war, or radioactive contamination.
- The use of Icom transceivers with any equipment that is not manufactured or approved by Icom.

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