

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

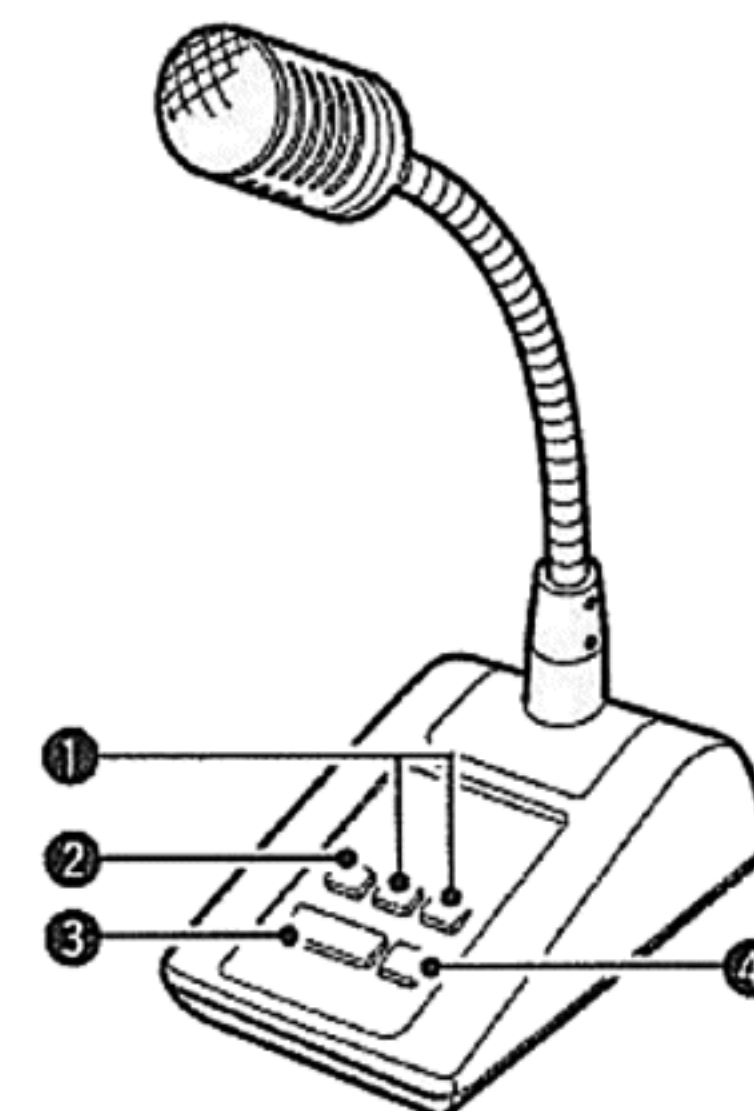
- Microphone type : Unidirectional dynamic microphone (preamp built-in)
- Output impedance : $55 \Omega \pm 30\%$ (at 1 kHz)
- Sensitivity : $-30 \text{ dB} \pm 4 \text{ dB}$ (at 1 kHz, 0 dB=1 V/Pa)
- Power requirements : 5–10 V DC (supplied from the transceiver)
- Cable length (approx.) : 1000 mm; 3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

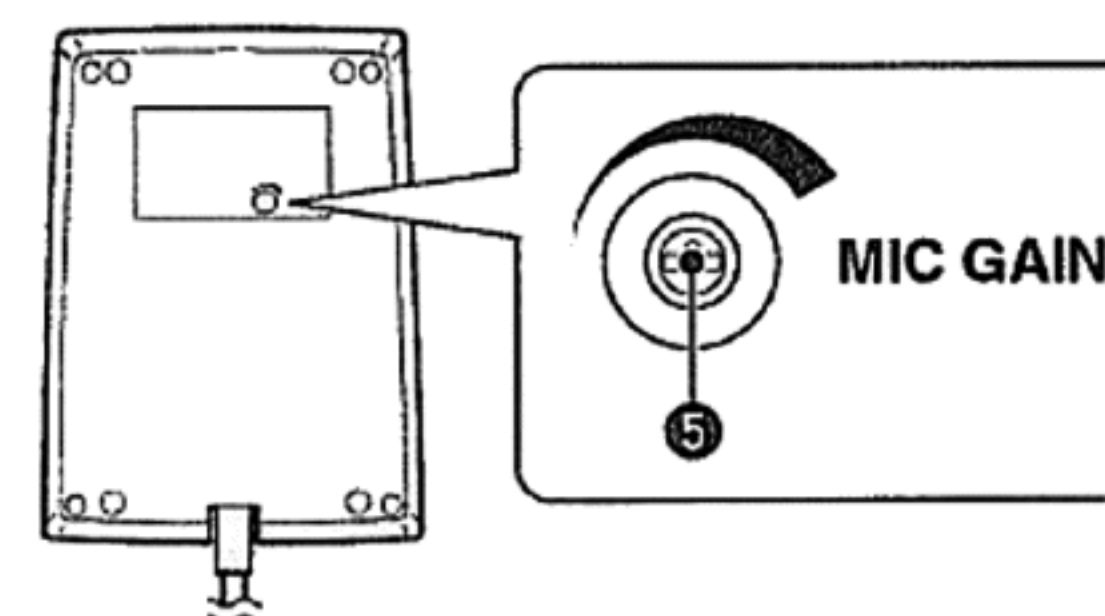
③ PTT SWITCH [PTT]

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]

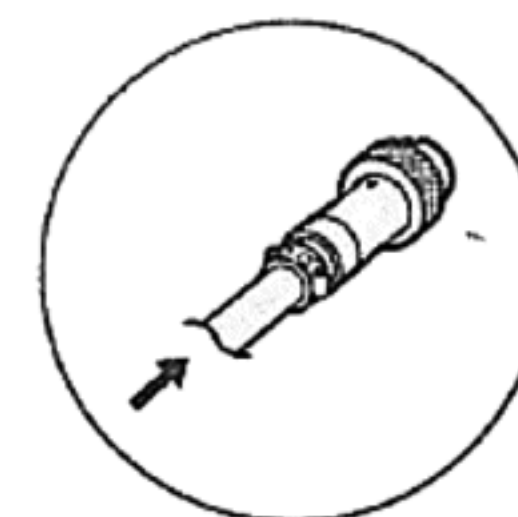
Rotate to adjust the microphone output level.

• 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

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Count on us!

A-6706X-1G-① Printed in Japan

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