



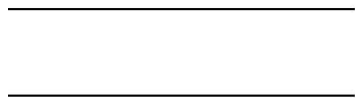
# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ICOM IC-F3002. You'll find the answers to all your questions on the ICOM IC-F3002 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual ICOM IC-F3002**  
**User guide ICOM IC-F3002**  
**Operating instructions ICOM IC-F3002**  
**Instructions for use ICOM IC-F3002**  
**Instruction manual ICOM IC-F3002**



VHF TRANSCEIVER  
**IC-F3002**  
UHF TRANSCEIVER  
**IC-F4002**



**Icom Inc.**

**MDC 1200**  
**Compatible**

Limited functions only



The photo shows the VHF transceiver.



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**Manual abstract:**

Equipment damage may occur. If disregarded, inconvenience only. @@@@NEVER short the terminals of the battery pack. R WARNING! NEVER hold the transceiver so that the antenna is very close to, or touching exposed parts of the body, especially the face or eyes, while transmitting. The transceiver will perform best if the microphone is 5 to 10 cm away from the lips and the transceiver is vertical. R WARNING! NEVER operate the transceiver with a headset or other audio accessories at high volume levels. CAUTION: NEVER use non-Icom battery packs/chargers, to prevent the loss of the transceiver's good performance and warranty. CAUTION: MAKE SURE the flexible antenna and battery pack are securely attached to the transceiver, and that the antenna and battery pack are dry before attachment. Exposing the inside of the transceiver to water will result in serious damage to the transceiver. DO NOT push [PTT] when not actually intending to transmit.

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.3940 iv Supplied accessories The following accessories are supplied with the transceiver. Battery pack\* Flexible antenna (This illustration is for the VHF type.) 1 ACCESSORIES Battery charger\* AC adapter\* Belt clip Jack cover (with screws) \*Not supplied, or the shape is different, depending on the version. Accessory attachments D Flexible antenna Connect the flexible antenna to the antenna connector.

CAUTION: · NEVER HOLD just the antenna when carrying the transceiver. · Transmitting without an antenna will damage the transceiver. 1 ACCESSORIES 1 1 2 3 4 5 6 7 8 9 10 11 D Belt clip To attach the belt clip: Slide the belt clip in the direction of the arrow until the belt clip locks in place, and makes a 'click' sound. Belt clip Battery pack To detach the belt clip: q Remove the battery pack from the transceiver, if it is attached. (p. 3) w Lift the tab up (q), and slide the belt clip in the direction of the arrow (w). q w 12 13 14 15 16 17 18 19 20 Tab 2 1 ACCESSORIES D Battery pack/case To attach the battery pack/case: q it the battery pack/case in the direction of the arrow (q), then F close. wHook the latch until it makes a 'click' sound (w). q Battery pack/case w Latch To remove the battery pack/case: Unhook the latch (e), and lift up the battery pack/case in the direction of the arrow (r). r e Be careful! The latch is tightly locked, so use caution when releasing it. DO NOT use your finger nail. Use the edge of a coin or screwdriver tip to carefully release it. 3 ACCESSORIES 1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 NEVER remove or attach the battery pack/case when the transceiver is wet or soiled. This may result in water or dust getting into the transceiver, battery pack/case, and may result in them being damaged. NOTE: Keep the battery terminals clean.

It's a good idea to clean the battery terminals once a week. D Jack cover Attach the jack cover when the optional equipment is not used. To attach the jack cover: q Attach the jack cover to the [SP MIC] jack. w Tighten the screws. To detach the jack cover: e Remove the screws with a phillips screwdriver. r

Detach the jack cover to connect the optional equipment. w q w e r e 4 Front, top and side panels q ROTARY i ANTENNA CONNECTOR SELECTOR CONTROL 2 PANEL DESCRIPTION w VOLUME e LED INDICATOR Speaker u PTT SWITCH y UPPER KEY t LOWER KEY r SPEAKERMICROPHONE JACK Microphone q ROTARY SELECTOR Rotate to select the pre-programmed memory channels. w VOLUME CONTROL [VOL] Rotate to turn the power ON/OFF, and adjust the audio level. 5 PANEL DESCRIPTION 2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 e LED INDICATOR (p. 7) Lights red\* while transmitting.

\*When the optional battery case is attached, the LED indicator lights orange. Lights green while receiving a signal, or when the squelch is open. Lights/blinks orange when the matched 2/5-tone code is received, depending on the pre-programming. r SPEAKER-MICROPHONE JACK [SP MIC] Connect the optional speaker-microphone or VOX adapter cable. Jack cover NOTE: Attach the jack cover when the optional equipment is not used.

(p. 4) t LOWER KEY [Lower] y UPPER KEY [Upper] The desired function can be assigned by your dealer. (p. 8) u PTT SWITCH [PTT] Push and hold to transmit; release to receive. i ANTENNA CONNECTOR Connect the antenna.

6 2 PANEL DESCRIPTION LED indicator The LED indicator indicates the status of various parameters of the transceiver as follows; (Ref.; R=Red, G=Green, O=Orange) · TX: Lights Red while transmitting a signal. R\* · RX: Lights Green while receiving a signal. G · Call LED (ON): Turns ON while receiving a matched 2/5-tone. D ON O · Call LED (Blink): Blinks while receiving a matched 2/5-tone. D Blink O G O G G G R\* R\* R\* · Fast/Slow scan: Blinks when the Fast/Slow scan is activated. an · Low Battery 1: You should charge the battery. (blinks slowly) B ATT1 · Low Battery 2: You must charge the battery. (blinks fast) ATT2 G R\* R\* R\* G G · TX low Battery 1: Low Battery was detected during TX mode. BATT1 · TX low Battery 2: Very Low Battery was detected during TX mode.

BATT2 · Channel Error: A non-programmed channel is selected. RORORORORORORORO \* Lights (or blinks) orange when the optional battery case is attached. 7 PANEL DESCRIPTION 2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Programmable function keys The following functions can be assigned to the [Upper] and [Lower] programmable function keys. Consult your Icom dealer or system operator for details concerning your transceiver's programming. SCAN A Push to start and cancel the scanning operation. When the Power ON scan function is turned ON, push to pause the scanning operation. The paused scan resumes after the specified time period has passed. SCAN B Push to start and cancel the scanning operation. If the scan pauses for any reason, except being cancelled by this key, it will resume after a specified time period has passed.



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· HM-158L/HM-159L speaker-microphone Combination speaker-microphone that provides convenient operation while hanging the transceiver on your belt. HS-94/HS-95/HS-97 headset + OPC-2004 plug adapter cable HS-94 : Ear hook type HS-95 : Neck-arm type HS-97 : Throat microphone OPC-2004 : Allows you to connect the HS-94/HS-95/HS-97 to the transceiver. @@@@Some options may not be available in some countries. @@@@wRemove the jack cover. (p.

4) e onnect the optional headset (HS-94, HS-95 or HS-97) and C OPC-2004 as described below. OPC-2004 HS-94 [VOL] w e q 17 18 19 20 36 6 OPTIONS D Turning the VOX function ON or OFF The VOX function can be turned ON or OFF when turning the transceiver power ON. R q otate [VOL] to turn the transceiver power OFF. w Set [ROTARY SELECTOR] to any channel other than Channel 16. e hile pushing and holding W [Upper], turn the transceiver power ON to switch the VOX function ON or OFF.

· 1 beep sounds when the VOX function is turned OFF. · 2 beeps sound when the VOX function is turned ON. [ROTARY SELECTOR] [VOL] [Upper] @@@Ask your dealer for details. 37 OPTIONS 6 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 D Setting the VOX gain The VOX sensitivity level can be adjusted from 1 (minimum) to 10 (maximum). C q onnect the optional headset (HS-94, HS-95 or HS-97) and OPC-2004. (p. 36) w otate [VOL] to turn the transR [ROTARY SELECTOR] [VOL] ceiver power OFF. e Set [ROTARY SELECTOR] to Channel 16. [PTT] r While pushing and holding [PTT] and [Upper], rotate [VOL] [Upper] to turn the power ON and [Lower] enter the VOX gain adjustment mode. t Push [Upper] to increase, or push [Lower] to decrease the VOX gain while speaking into the optional headset.

· The adjustable range is 1 (minimum) to 10 (maximum). · A beep sounds after pushing [Upper] or [Lower]. If the level is set on 1 or 10, an error beep sounds after pushing. Therefore, you can determine the current level setting by the type of beep that sounds. y Rotate [VOL] to turn the power OFF, then ON to exit the VOX gain adjustment mode. NOTE: · This operation may not be available, depending on the presetting. Ask your dealer for details. · Set the microphone gain before setting the VOX gain. (p. 18) 38 7 DOC CE versions of the IC-F3002/IC-F4002 which display the "CE" symbol on the serial number label, comply with the essential requirements of the European Radio and Telecommunication Terminal Directive 1999/5/EC.

This warning symbol indicates that this equipment operates in non-harmonised frequency bands and/ or may be subject to licensing conditions in the country of use. Be sure to check that you have the correct version of this radio or the correct programming of this radio, to comply with national licensing requirement. · List of Country codes (ISO 3166-1) Country 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 39 Austria Belgium Bulgaria Croatia Czech Republic Cyprus Denmark Estonia Finland France Germany Greece Hungary Iceland Ireland Italy Latvia Codes AT BE BG HR CZ CY DK EE FI FR DE GR HU IS

IE IT LV 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 Country Liechtenstein Lithuania Luxembourg Malta Netherlands Norway Poland Portugal Romania Slovakia Slovenia Spain Sweden Switzerland Turkey United Kingdom Codes LI LT LU MT NL NO PL PT RO SK SI ES SE CH TR GB DOC 7 1 2 3 4

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 DECLARATION OF CONFORMITY We Icom Inc. Japan 1-1-32, Kamiminami, Hirano-ku Osaka 547-0003, Japan 0168 Bad Soden 3rd Dec. 2009 Place and date of issue Declare on our sole responsibility that this equipment complies with the essential requirements of the Radio and Telecommunications Terminal Equipment Directive, 1999/5/EC, and that any applicable Essential Test Suite measurements have been performed.

Kind of equipment: Type-designation: VHF TRANSCEIVER Icom (Europe) GmbH iC-F3002 136174 MHz 12.5 kHz/25 kHz 136174 MHz 12.5 kHz/20 kHz Communication Equipment Auf der Krautweide 24, 65812 Bad Soden am Taunus, Germany Authorized representative name Version (where applicable): This compliance is based on conformity with the following harmonised standards, specifications or documents: i) EN 301 489-1 v1.8.1 (April 2008) ii) EN 301 489-5 v1.

3.1 (August 2002) iii) EN 300 086-2 v1.1.1 (March 2001) iv) EN 300 219-2 v1.1.1 (March 2001) v) EN 300 113-2 v1.4.1 (July 2007) vi) EN 60950-1: 2001 vii) viii) Y. Furukawa General Manager Signature DECLARATION OF CONFORMITY We Icom Inc. Japan 1-1-32, Kamiminami, Hirano-ku Osaka 547-0003, Japan 0168 Bad Soden 18th Nov.

2009 Place and date of issue Declare on our sole responsibility that this equipment complies with the essential requirements of the Radio and Telecommunications Terminal Equipment Directive, 1999/5/EC, and that any applicable Essential Test Suite measurements have been performed. Kind of equipment: Type-designation: UHF TRANSCEIVER Icom (Europe) GmbH iC-f4002 400470 MHz 12.5 kHz/25 kHz 400470 MHz 12.5 kHz/20 kHz Communication Equipment Auf der Krautweide 24, 65812 Bad Soden am Taunus, Germany Authorized representative name Version (where applicable): This compliance is based on conformity with the following harmonised standards, specifications or documents: i) EN 301 489-1 v1.8.1 (April 2008) ii) EN 301 489-5 v1.3.1 (August 2002) iii) EN 300 086-2 v1.1.1 (March 2001) iv) EN 300 219-2 v1.

1.1 (March 2001) v) EN 300 113-2 v1.4.1 (July 2007) vi) EN 60950-1: 2001 vii) viii) Y. Furukawa General Manager Signature 40 MEMO MEMO 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 AT FI IT PL GB RO < Intended Country of Use > BE FR LV PT IS TR CY DE LT SK LI HR CZ GR LU SI NO DK HU MT ES CH EE IE NL SE BG A-6798H-1EU-q Printed in Japan © 2009 Icom Inc.

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