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You can read the recommendations in the user guide, the technical guide or the installation guide for ICOM IC-F5062. You'll find the answers to all your questions on the ICOM IC-F5062 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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INSTRUCTION MANUAL

VHF MOBILE TRANSCEIVER  
**IC-F5062**  
UHF MOBILE TRANSCEIVER  
**IC-F6062**



Icom Inc.



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**Manual abstract:**

*This may pose a fire hazard or result in an electric shock. @@This connection will ruin the transceiver. NEVER cut the DC power cable between the DC plug and fuse holder. @@@@CAUTION NOTE Equipment damage may occur. If disregarded, inconvenience only. No risk of personal injury, fire or electric shock. WORD NEVER allow children to touch the transceiver. NEVER expose the transceiver to rain, snow or any liquids. USE the specified microphone only. Other microphones have different pin assignments and may damage the transceiver.*

*See the operating guide for details of BIIS, MDC and LTR® system operations. Ask your dealer for details. Icom, Icom Inc. and the logo are registered trademarks of Icom Incorporated (Japan) in the United States, the United Kingdom, Germany, France, Spain, Russia and/or other countries. LTR is a registered trademark of the E.*

*F.Johnson Company. All other products or brands are registered trademarks or trademarks of their respective holders. DO NOT use or place the transceiver in areas with temperatures below 25°C or above +55°C, or in areas subject to direct sunlight, such as the dashboard. i TABLE OF CONTENTS AVOID operating the transceiver without running the vehicle's engine.*

*The vehicle's battery will quickly run out if the transceiver transmits while the vehicle's engine OFF. AVOID placing the transceiver in excessively dusty environments. IMPORTANT .....*

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.. 1617 AVOID placing the transceiver against walls. Otherwise heat dissipation will be obstructed. AVOID the use of chemical agents such as benzine or alcohol when cleaning, as they damage the transceiver surfaces. BE CAREFUL! @@@@ Lights green while receiving a signal. @@(p. @@NEVER connect non-specified microphones. @@@@- Scan is cancelled when off hook. - Scan is paused when off hook.

- Automatic priority channel selection is available when off hook. - Sets to 'Inaudible' condition (mute condition) when on hook. @@(p. @@@@ The indication mode can be selected from 1 line or 2 lines. Ask your dealer for details.

In this instruction manual, the LCD illustration is described using the 2 lines indication mode. Icom Inc. !1 !0 q SIGNAL STRENGTH INDICATOR Indicates relative signal strength level as below. Weak Receive Signal level Strong w LOW POWER INDICATOR Appears when low output power is selected. e AUDIBLE INDICATOR Appears when the channel is in the 'audible' (unmute) condition.

Appears when the specified 2/5-tone/BIIS\*1/MDC\*2 code is received. r COMPANDER INDICATOR Appears when the compander function is activated. t SCRAMBLER INDICATOR Appears when the voice scrambler function is activated. !1 ACTIVATED KEY INDICATOR Appears above the key assigned as [Scan A Start/Stop], [Scan B Start/Stop], [Scan Add/Del(Tag)], [Lock], [Talk Around], [Surveillance] and [Digital]\*1 keys during that key is activated. \*1 BIIS operation only \*3 LTR® operation only \*2 MDC operation only See the operating guide for details of BIIS, MDC and LTR® system operations. Ask your dealer for details. 2 1 PANEL DESCRIPTION SCAN A START/STOP KEY This key's operation depends on the Power ON Scan setting. When the power ON scan function is turned OFF; Push to start and cancel scanning operation. When the power ON scan function is turned ON; Push to pause scanning, then resumes scanning after a specified time period has passed. Push and hold this key for 1 sec.

to indicate the scan group, then select the desired group using [CH Up]/[CH Down]. SCAN B START/STOP KEY Push to start and cancel scanning operation. Scan resumes after a specified time period has passed when scan is cancelled except for this key. Push and hold this key for 1 sec. to indicate the scan group, then select the desired group using [CH Up]/[CH Down]. SCAN ADD/DEL (TAG) KEY Push to add or delete the selected channel to/from the scan group. 1. Push to indicate the scan group, then push [CH Up] or [CH Down] to select the desired group. 2. Push to add or delete the channel to/from the selected scan group.

3. Push and hold for 1 sec. to exit the scan group selection mode. I Programmable function keys The following functions can be assigned to [UP], [DOWN], [P0], [P1], [P2], [P3] and [P4] programmable function keys. Consult your Icom dealer or system operator for details concerning your transceivers programming.

If the programmable function names are bracketed in the following explanations, the specific key is used to activate the function depends on the programming. CH UP AND DOWN KEYS Push to select an operating channel. @@ Push to select a DTMF channel after pushing [DTMF Autodial].

@@@@@MR-CH 1/2/3/4 KEYS Push to select the memory channel 1 to 4 directly. @@@@· Push to mute the channel (sets to 'Inaudible' only).

· Push to un-mute the channel (sets to 'Audible' only). @@@@ is additionally connected. @@@@· This function is useful when you are out of the vehicle. @@when the backlight function is turned OFF in user set mode. @@ Call A and Call B), [Emergency Single]/[Emergency Repeat] (incl. Silent), [Surveiii connector. Push and hold for 1 sec. to erase the selected ID's. @@@@Methods may differ according to your system set up. @@@@AUTOMATIC SCAN TYPE: Channel setting is not necessary for this type.

When turning power ON, the transceiver automatically starts scanning. Scanning stops when receiving a call. I Turning power ON q Push [ ] to turn the power ON. w If the transceiver is programmed for a start up password, input the digit codes as directed by your dealer. · The keys as below can be used for password input: The transceiver detects numbers in the same block as identical. Therefore "01234" and "56789" are the same. KEY NUMBER 0 5 1 6 2 7 3 8 4 9 e When the "PASSWORD" indication does not clear after inputting 6 digits, the input code number may be incorrect. @@@@· Refer to pgs. @@w Push [CH Up] or [CH Down] to select a channel, in sequence. @@@@ Ask your dealer for details.

r While pushing and holding [PTT], speak into the microphone at your normal voice level. t Release [PTT] to receive. IMPORTANT: To maximize the readability of your signal; 1. Pause briefly after pushing [PTT]. 2.

Hold the microphone 5 to 10 cm (2 to 4 inches) from your mouth, then speak into the microphone at a normal voice level. 8 2 BASIC OPERATION D TX code channel selection If the transceiver has [TX Code CH Select] assigned to it, the indication can be toggled between the operating channel number (or name) and TX code channel number (or name).



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When the TX code channel number (or name) is displayed, [CH Up]/[CH Down] selects the TX code channel. USING [TX CODE CH SELECT] KEY: q Push [TX Code CH Select]-- a TX code channel number (or name) appears. w Push [CH Up] or [CH Down] to select the desired TX cod. to turn power OFF, then ON again to exit set mode. 2 [ ] User set mode is also available via a programmable key. Please refer to p. @@@@Contact your dealer about antenna selection and placement. w D-Sub 25-pin Connect an external unit. @@@Pay attention to polarities. NEVER connect to a 24 V battery. This could damage the transceiver. @@@Crimp Solder r MICROPHONE HANGER Connect the supplied microphone hanger to the vehicle's ground for microphone on/off hook functions. (See p.

1) t IGNITION LEAD Connects to a ignition line. R Do not put a pressure to this lead. Binding to the DC power cable is recommended. 12V Battery 13 R CAUTION! NEVER remove the fuse-holder from the DC power cable. CONNECTION AND MAINTENANCE 3 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 I Supplied Accessories Microphone Microphone hanger and screw set Microphone hanger cable I Mounting the transceiver The universal mounting bracket supplied with your transceiver allows overhead mounting. · Mount the transceiver securely with the 4 supplied screws to a thick surface which can support more than 1.5 kg. DC power cable Function name stickers\*1 Sponges\*2 Flat washer Felt\* Spring washer Mounting bracket and felts Flat washers Spring washers Nuts Bracket bolts Mounting screws (M5×12) Felt\* When using self-tapping screws \*Felts reduce the vibration effects. Felts are already attached. Self-tapping screws (M5×16) \*1 Used for labelling the programmable function keys according to their assigned functions.

\*2 Used for the optional unit installation. Ask your dealer for details. 14 3 CONNECTION AND MAINTENANCE I Antenna A key element in the performance of any communication system is an antenna. Contact your dealer about antennas and the best places to mount them. I Options · RMK-3 SEPARATION KIT + OPC-609 SEPARATION CABLE Allows you to install the transceiver main unit separately from the front panel for operating convenience. · SP-5/SP-10/SP-22 EXTERNAL SPEAKERS Input impedance : 4 Max. input power : 5 W SP-5 : Large speaker for good audio quality. SP-10 : For all-round mobile operation. SP-22 : Compact and easy-to-install. · HM-152/HM-152T/HM-148 HAND MICROPHONES HM-152 : Hand microphone HM-152T : DTMF microphone HM-148 : Heavy duty microphone · SM-25 DESKTOP MICROPHONE · UT-109R/UT-110R SCRAMBLER UNITS Non-rolling type (UT-109R/Rolling type (UT-110R) voice scrambler unit provides higher communication security.

@@@@@@@15 Some options may not available in some countries. @@@Japan 1-1-32, Kamiminami, Hirano-ku Osaka 547-0003, Japan 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 4 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 0168 10th Jan 2007 Place and date of issue iC- f5062 136174 MHz 12.5 KHz/25 KHz 136174 MHz 12.5 KHz/20 KHz Authorized representative name Version (where applicable): This compliance is based on conformity with the following harmonised standards, specifications or documents: i) ii) iii) iv) v) vi) EN 60950-1 2001 EN 301 489-1 v1.4.1 (August 2002) EN 301 489-5 v1.3.1 (August 2002) EN 300 086-2 (March 2001) EN 300 219-2 (March 2001) EN 300 113-2 (April 2002) H. Ikegami General Manager Signature CE Versions of the IC-F5062 and IC-F6062 which display the "CE" symbol on the serial number seal, 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. 16 4 DOC DECLARATION OF CONFORMITY We Icom Inc. Japan 1-1-32, Kamiminami, Hirano-ku Osaka 547-0003, Japan 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 0168 9th Feb. 2007 Place and date of issue iC- f6062 400470 MHz 12.5 KHz/25 KHz 400470 MHz 12.5 KHz/20 KHz Authorized representative name Version (where applicable): This compliance is based on conformity with the following harmonised standards, specifications or documents: i) ii) iii) iv) v) vi) EN 60950-1 2001 EN 301 489-1 v1.4.1 (August 2002) EN 301 489-5 v1.

3.1 (August 2002) EN 300 086-2 (March 2001) EN 300 219-2 (March 2001) EN 300 113-2 (April 2002) H. Ikegami General Manager Signature About e-marking: Detailed installation notes for Icom mobile transceivers to be fitted into vehicles are available. Please contact your Icom dealer or distributor. 17 MEMO 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 MEMO MEMO < Intended Country of Use > GER AUT GBR IRL NOR FRA NED BEL LUX ESP POR ITA GRE SWE DEN FIN SUI A-6566D-1EU-q Printed in Japan © 2007 Icom Inc.

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