

430/440MHz FM TRANSCEIVER

IC- μ 4A/AT/E

INSTRUCTION MANUAL



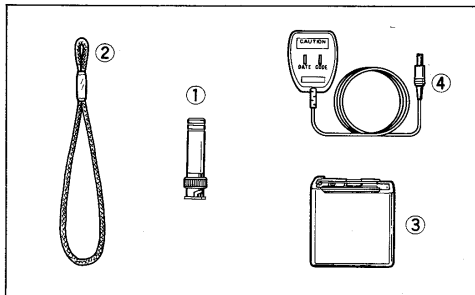
FOREWORD

ICOM announces the debut of a versatile newcomer in the Amateur Radio field - the **IC- μ 4A/AT/E** pocket-sized handheld transceiver.

Exceptionally flexible for a variety of uses yet surprisingly compact and easy to handle, the **IC- μ 4A/AT/E** is a complete, high performance integrated handheld - the beneficiary of the very latest in ICOM technical know-how and state-of-the-art integrated engineering.

To fully enjoy the use of your new **IC- μ 4A/AT/E** handheld, please study this instruction manual thoroughly prior to operation. Also, feel free to contact your nearest authorized ICOM Dealer if you have any questions relating to the operation of this transceiver.

UNPACKING



The picture shows accessories for the **IC- μ 4A/AT** U.S.A. versions.

Accessories included with the **IC- μ 4A/AT/E** QTY.

- | | |
|---------------------------------|---|
| 1. Flexible antenna | 1 |
| 2. Handstrap | 1 |
| 3. BP-22 BATTERY PACK | 1 |
| 4. Wall charger* | 1 |

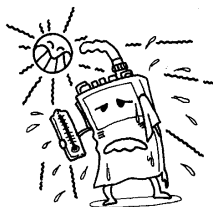
- | | |
|-------------------|----------|
| * U.S.A. version | : BC-25U |
| Australia version | : BC-27 |
| Europe version | : BC-26E |

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WARNINGS

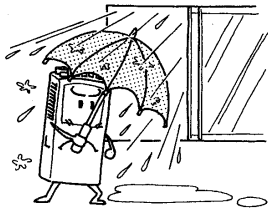
- Avoid using the transceiver under the following conditions:



– In places subject to excessive heat or cold



– In places subject to excessive dust



– In places subject to excessive humidity,
including bathrooms



– In places subject to excessive vibrations

SECTION 1 FEATURES

■ ULTRA COMPACT DESIGN

The **IC- μ 4A/AT/E** measures only *58mm wide by *140mm high by *29mm deep. This small, light-weight, ultra compact handheld transceiver comes in handy for use any time, whether outdoors, in your car, or at home.

* Projections not included.

■ EASY FREQUENCY ENTRY

Frequency entry can be easily performed with the top panel **Digital Touchstep** switches.

■ 10 MEMORY CHANNELS

Though ultra compact in design, the **IC- μ 4A/AT/E** has a total of ten programmable memory channels.

■ EASY-TO-READ DISPLAY

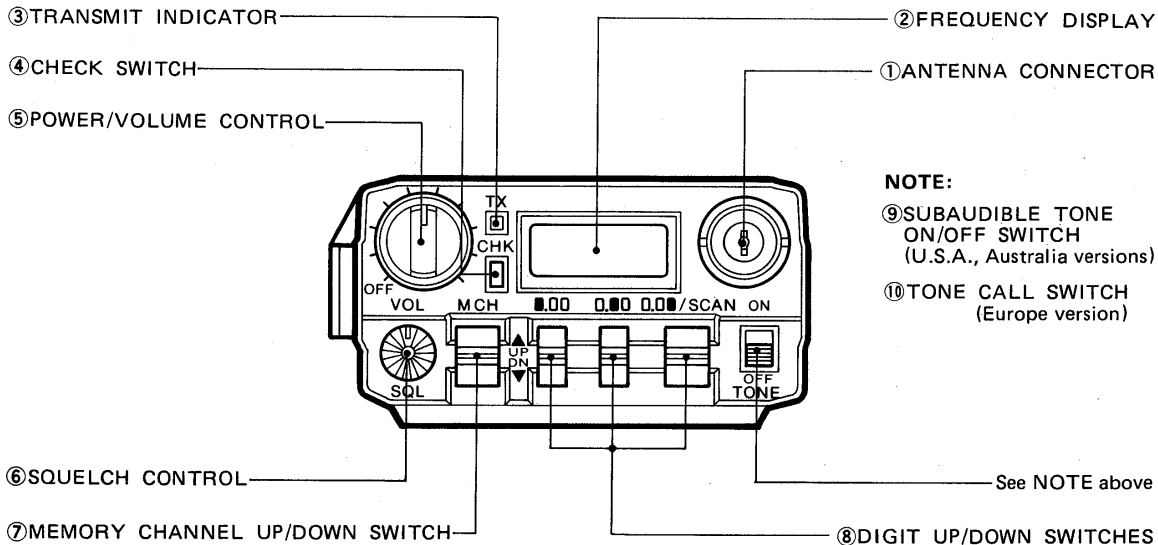
A new Liquid Crystal Display with soft green illumination gives the user excellent operating visibility even in dark environments. This LCD indicates the operating frequency as well as the memory channel number.

■ POWER SAVER DESIGN

All circuits were designed using low power dissipation techniques with a special power saver circuit. The power saver circuit functions if no signal is received or no switch operation is performed for more than 30 seconds, and requires only 1/4 current flow during regular receiving conditions.

SECTION 2 CONTROL FUNCTIONS

TOP PANEL



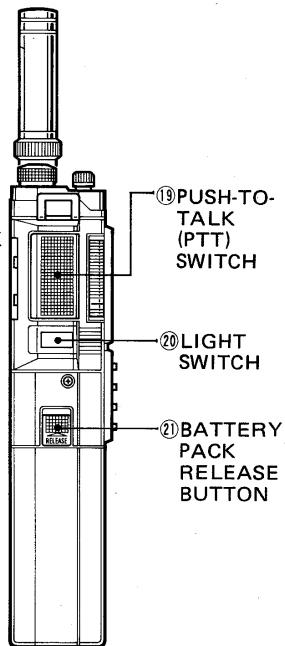
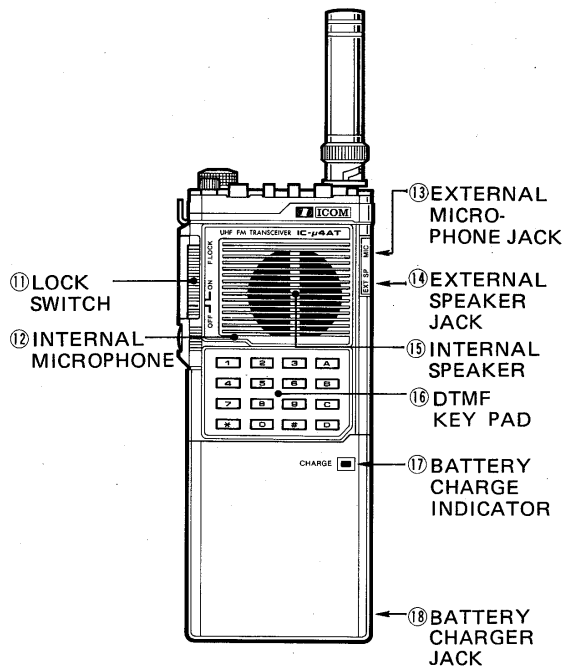
NOTE:

- ⑨ SUBAUDIBLE TONE ON/OFF SWITCH (U.S.A., Australia versions)
- ⑩ TONE CALL SWITCH (Europe version)

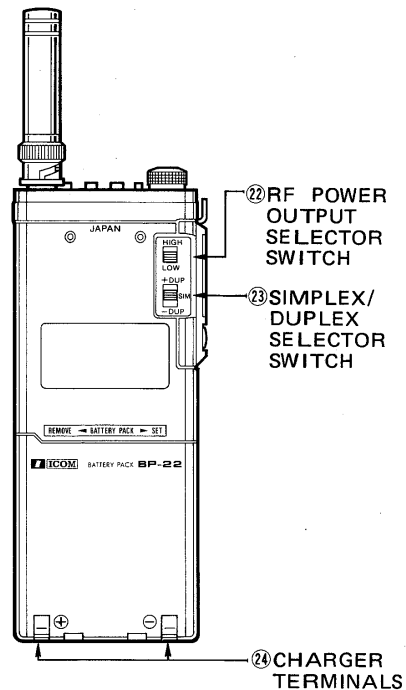
See NOTE above

This diagram shows the IC- μ 4A/AT versions.

FRONT AND SIDE PANEL



REAR PANEL



These diagram show the **IC-μ4AT** version.

2 - 1 TOP PANEL

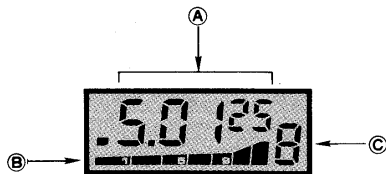
① ANTENNA CONNECTOR



Connect the supplied flexible antenna.

CAUTION: Transmitting without an antenna may damage the transceiver.

② FREQUENCY DISPLAY



Indicates not only the operating frequency but also memory channel number and S-LEVEL/POWER SELECTION INDICATOR functions.

Ⓐ FREQUENCY INDICATOR:

Shows the current operating frequency.

U.S.A. version : 440MHz band

Australia, Europe versions : 430MHz band

Ⓑ S-LEVEL/POWER SELECTION INDICATOR

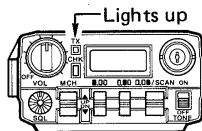
Indicates signal strength and selection of the RF POWER OUTPUT SELECTOR SWITCH with bars. The bars only indicate relative switch positions.

- LOW power : 3 segments appear
- HIGH power : All segments appear

Ⓒ MEMORY CHANNEL:

Indicates a memory channel number.

- ③ **TRANSMIT INDICATOR [TX]** Lights up while transmitting.



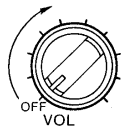
Indicates that the transceiver is transmitting and also the condition of the batteries. If the indicator goes out while transmitting, the battery pack is exhausted and should be charged again.

- ④ **CHECK SWITCH [CHK]**

Allows the operator to monitor the transmit frequency when the duplex mode is selected while pressing this switch.

- ⑤ **POWER/VOLUME CONTROL [VOL]**

Increases the audio level.



Rotate clockwise to turn the transceiver ON and increase the audio level.

- ⑥ **SQUELCH CONTROL [SQL]**

Raises the threshold level.



Sets the squelch threshold level. Rotate this control fully counter-clockwise to turn OFF the squelch function, and clockwise to raise the threshold level.

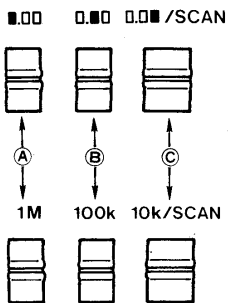
- ⑦ **MEMORY CHANNEL UP/DOWN SWITCH [M CH]**

[M CH]



Push either upward or downward to change the selected memory channel. See page 21 for more information.

⑧ DIGIT UP/DOWN SWITCHES



Ⓐ 1MHz DIGIT UP/DOWN SWITCH:

Push either upward or downward to change the 1MHz digit numbers.

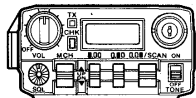
Ⓑ 100kHz DIGIT UP/DOWN SWITCH:

Push either upward or downward to change the 100kHz digit numbers.

Ⓒ 10kHz DIGIT UP/DOWN SWITCH:

Push either upward or downward to change the minimum frequency step of each version.

⑨ SUBAUDIBLE TONE ON/OFF SWITCH [TONE] (IC- μ 4AT version)

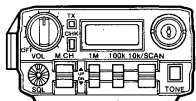


SUBAUDIBLE TONE SWITCH

Slide to switch the subaudible tone encoder ON and OFF when using the duplex mode. See page 19 for more information.

- This switch does not function in the Australia version.

⑩ TONE CALL SWITCH [TONE] (IC- μ 4E version)



TONE CALL SWITCH

Push to transmit the 1750Hz tone for accessing repeaters. See page 20 for more information.



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