144MHz FM TRANSCEIVER

IC-μ2A/AT/E

INSTRUCTION MANUAL

ICOM

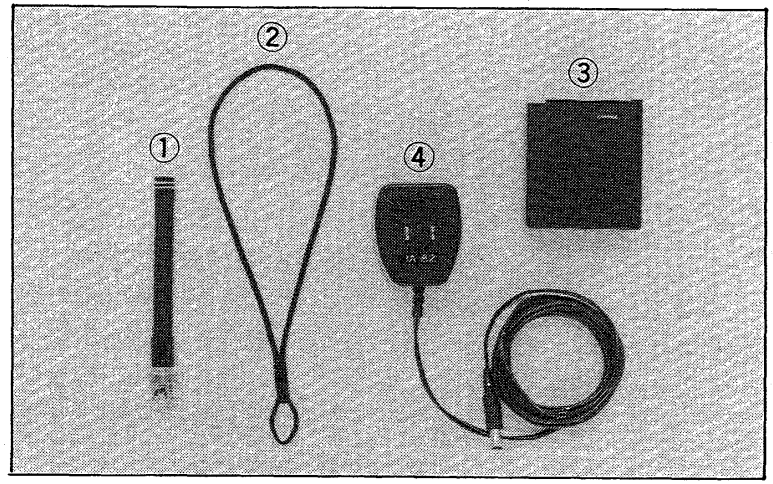
FOREWORD

ICOM announces the debut of a versatile newcomer in the Amateur radio field - the **IC-μ2A/AT/E** pocket-sized handheld transceiver.

Exceptionally flexible for a variety of uses yet surprisingly compact and easy to handle, the **IC-μ2A/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-μ2A/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-μ2A/AT U.S.A. versions.

Accessories included with the IC-μ2A/AT/E	**QTY.**
1. Flexible antenna	1
2. Handstrap	1
3. Battery pack (BP-22)	1
4. Wall charger*	1

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

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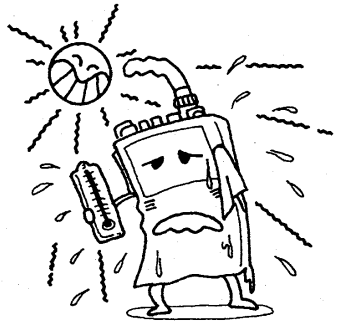
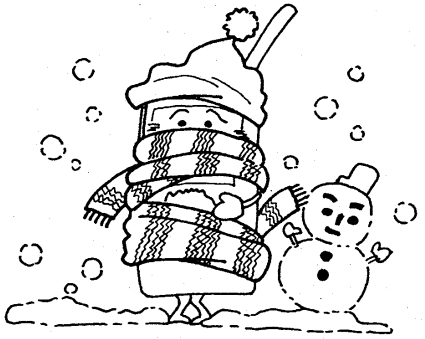
WARNINGS

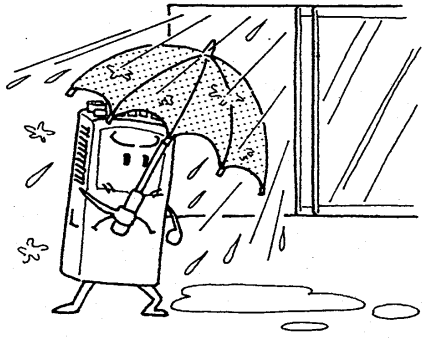
● Avoid using the transceiver under the following conditions:



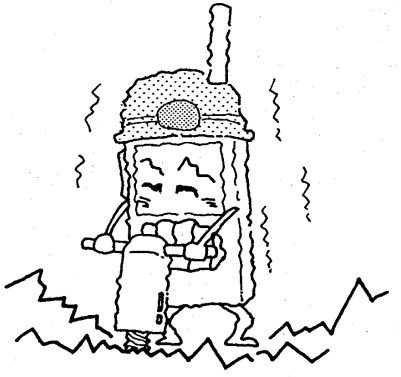


– In places subject to excessive heat or cold

– 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-μ2A/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-μ2A/AT/E has a total of ten programmable memory channels.

■ EASY-TO-READ DISPLAY

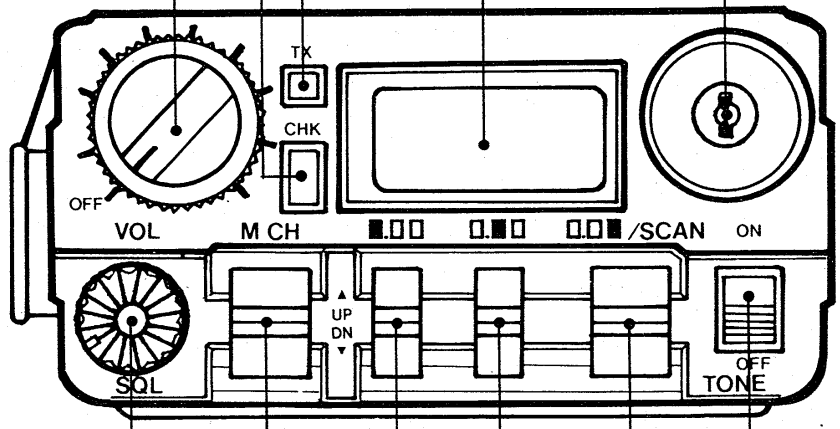
A new Liquid Crystal Display with soft green illumination gives the user excellent operating visibility even in dark environments. This LCD indicates the operating frequency as well as the memory channel number.

■ 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

2 - 1 TOP PANEL



③TRANSMIT INDICATOR

④CHECK SWITCH

⑤POWER/VOLUME CONTROL

⑥SQUELCH CONTROL

⑦MEMORY CHANNEL UP/DOWN SWITCH

②FREQUENCY DISPLAY

①ANTENNA CONNECTOR

NOTE:

⑨SUBAUDIBLE TONE ON/OFF SWITCH (U.S.A., Australia versions)

⑩TONE CALL SWITCH (Europe version)

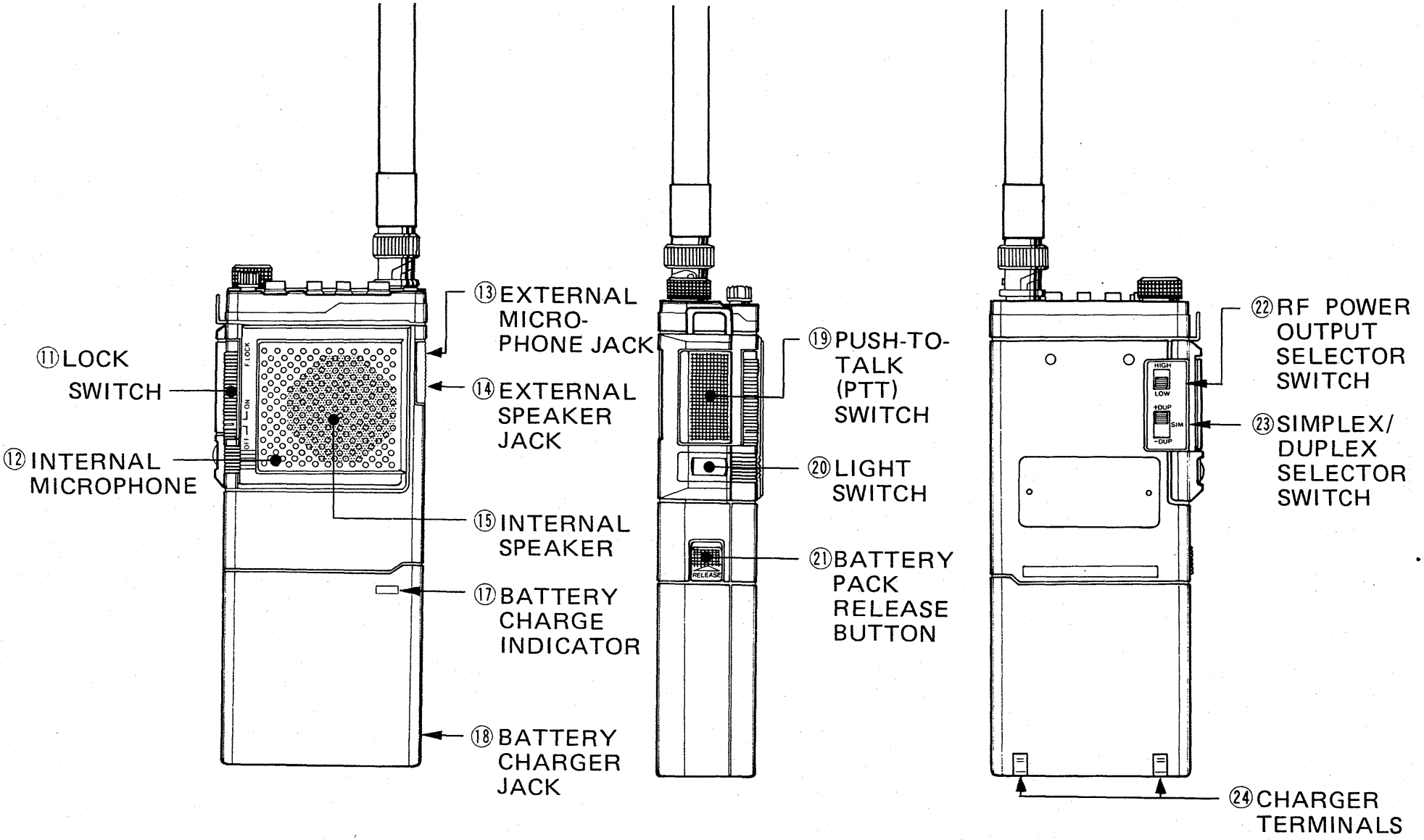
See NOTE above

⑧DIGIT UP/DOWN SWITCHES

*This diagram shows the IC-μ2A/AT versions.

2-2 FRONT AND SIDE PANEL

2-3 REAR PANEL



*These diagrams show the IC-μ2A/E versions.

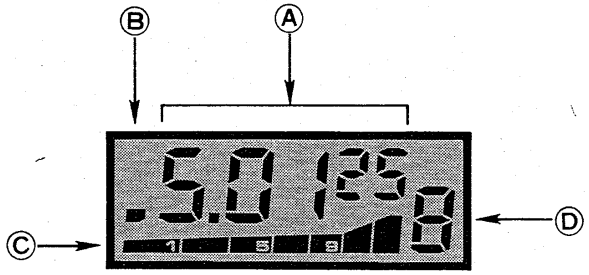
2 - 1 TOP PANEL

① ANTENNA CONNECTOR

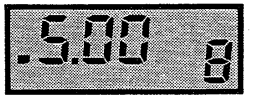
Connect the supplied flexible antenna.

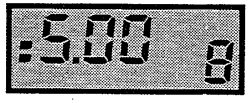
CAUTION: Transmitting without an antenna may damage the transceiver.

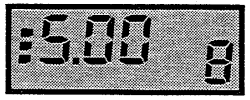
② FREQUENCY DISPLAY




: 130MHz band


: 140MHz band


: 150MHz band


: 160MHz band


: 170MHz band

Indicates not only the operating frequency but also memory channel number and S/RF level functions.

Ⓐ FREQUENCY INDICATOR:
Shows the current operating frequency.

Ⓑ 10MHz DIGIT INDICATOR:
Shows the 10MHz digit of a frequency.

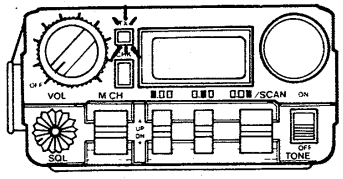
Ⓒ S/RF LEVEL INDICATOR:
Indicates signal strength and RF power output level with a bar. The power output level meter functions only as a relative output meter.

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

Ⓓ MEMORY CHANNEL:
Indicates a memory channel number.

③ TRANSMIT INDICATOR [TX]

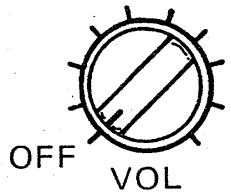
Lights up while transmitting.



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 POWER/VOLUME CONTROL [VOL]

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



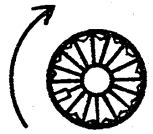
⑤ CHECK SWITCH [CHK]

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

⑥ SQUELCH CONTROL [SQL]

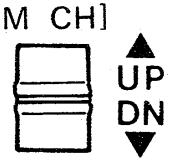
Sets the squelch threshold level. Rotate this control fully counter-clockwise to turn OFF the squelch function, and clockwise to raise the threshold level.

Raises the threshold level.

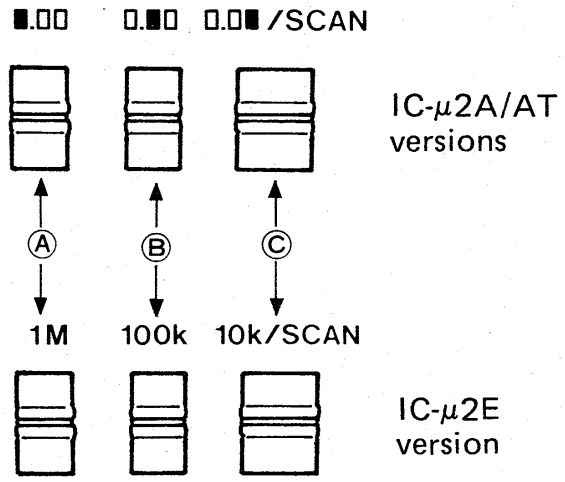


⑦ MEMORY CHANNEL UP/DOWN SWITCH [M CH]

Push either upward or downward to change the selected memory channel. See SECTION 5 - 5 for more information.



⑧DIGIT UP/DOWN SWITCHES



Ⓐ 1MHz DIGIT UP/DOWN SWITCH:

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

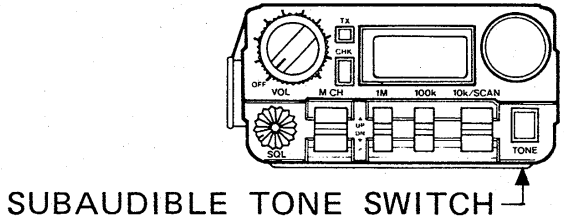
Ⓑ 100kHz DIGIT UP/DOWN SWITCH:

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

Ⓒ 10kHz DIGIT UP/DOWN SWITCH:

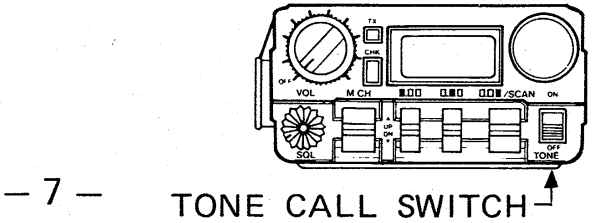
Push either upward or downward to change the minimum frequency step of each version.

⑨SUBAUDIBLE TONE ON/OFF SWITCH [TONE] (IC-μ2AT version)



Slide to switch the subaudible tone encoder ON and OFF when using the duplex mode. See SECTION 5 - 3 for more information.

⑩TONE CALL SWITCH [CALL] (IC-μ2E version)



Push to transmit the 1750Hz tone for accessing repeaters. See SECTION 5 - 4 for more information.

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