

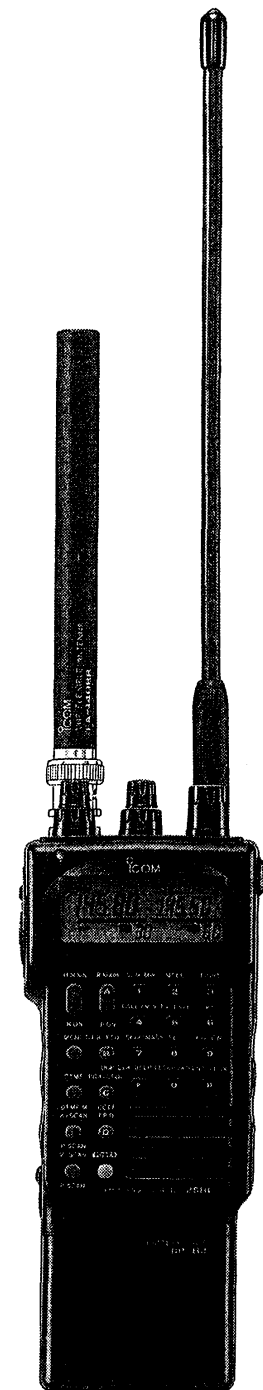
# ICOM

## INSTRUCTION MANUAL

144 MHz FM TRANSCEIVER

# IC-2SRA IC-2SRE

Icom Inc.



The photo shows IC-2SRE with BP-82 BATTERY PACK. The Battery pack differ according to versions.

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## IMPORTANT

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**READ ALL INSTRUCTIONS** carefully and completely before using the transceiver.

**SAVE THIS INSTRUCTION MANUAL** — This instruction manual contains important safety and operating instructions for the IC-2SRA/E.

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## EXPLICIT DEFINITIONS

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The following explicit definitions apply to this manual.

WORD	DEFINITION
CAUTION	Equipment damage may occur.
NOTE	If disregarded, inconvenience only. No personal injury, risk of fire or electric shock.

Some procedures and functions apply to both bands. Look for one these symbols before the title of each section.

SYMBOL	USE
■	For both the ham and receiver bands.
□	Only for the ham band.
◻	Only for the receiver band.

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## CAUTIONS

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**NEVER** connect the transceiver to an AC outlet or to a power source of more than 16 V DC. These connections will ruin the transceiver.

**NEVER** connect the transceiver to a power source using reverse polarity. This connection will ruin the transceiver.

**NEVER** allow children to touch the transceiver.

**AVOID** using or placing the transceiver in areas with temperatures below  $-10^{\circ}\text{C}$  ( $+14^{\circ}\text{F}$ ) or above  $+60^{\circ}\text{C}$  ( $+140^{\circ}\text{F}$ ).

**AVOID** placing the transceiver in direct sunlight.

**AVOID** the use of chemical agents such as benzine or alcohol when cleaning, as they can damage the transceiver surfaces.

**BE CAREFUL!** When transmitting for a long time with high output power, the rear panel may become hot.

The use of non-Icom battery packs/chargers may impair transceiver performance and invalidate the warranty.

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## FOREWORD

Thank you for purchasing the **IC-2SRA/E 144 MHz FM TRANSCIVER**. The IC-2SRA/E is a state-of-the-art handheld consisting of a 144 MHz transceiver and 50 ~ 900 MHz wideband receiver, fitting comfortably in the palm of your hand and combining ease of use with multi-operational capability.

## OPERATING NOTES

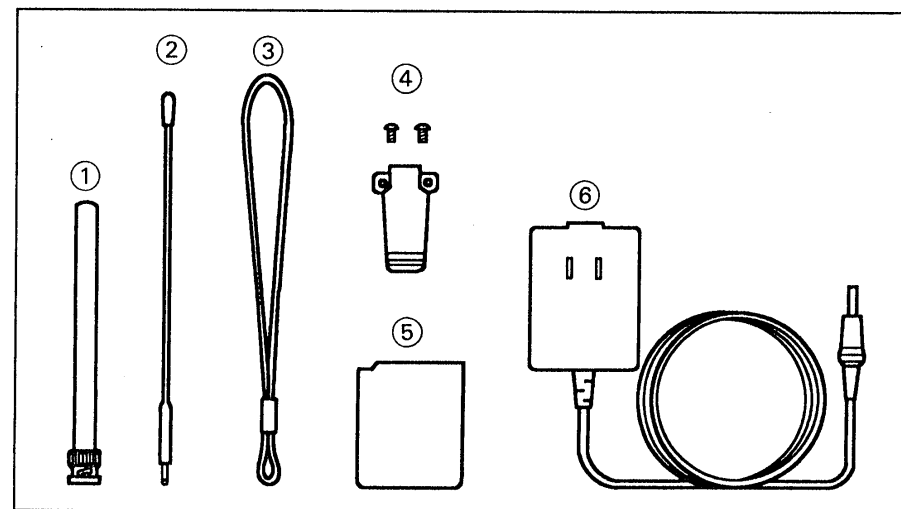
Information overheard but not intended for you cannot lawfully be used in any way.

The IC-2SRA/E may receive its own oscillated frequency, resulting in no reception or only noise reception on some frequencies.

The IC-2SRA/E may receive interference when receiving excessively strong signals on different frequencies.

When the connected battery becomes empty during operation, the transceiver starts emitting beeps to inform you. The transceiver power then cannot be turned OFF until the battery is charged.

## UNPACKING



<b>Accessories included with the IC-2SRA/E:</b>	<b>Qty.</b>
① Ham antenna (FA-140BB) .....	1
② Receiver antenna .....	1
③ Handstrap .....	1
④ Belt clip and screws .....	1 set
⑤ Battery pack or battery case* <sup>1</sup> .....	1
⑥ Wall charger* <sup>2</sup> .....	1

\*<sup>1</sup> Either BP-82, BP-83, BP-84 or BP-90 will be attached to the transceiver depending on the version.

\*<sup>2</sup> Not included in versions which are attached to the battery case, BP-90.

## 1 Charge the battery pack

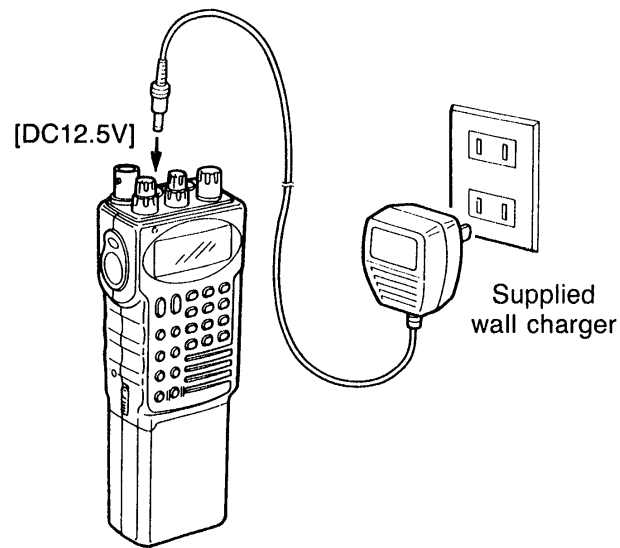
The supplied battery pack may require a full charge prior to operation.

**NOTE:** If your transceiver includes the battery case instead of the battery pack, remove the battery case and put in dry cell or NiCd batteries. (See p.14 for details.)

- **NEVER** charge a battery case with dry cell batteries.

Turn the transceiver power OFF; then, connect the supplied wall charger as described in the diagrams below.

- See p. 11 for details on safety and use of a desktop charger.



Charging period: approx. 15 hrs.

## 2 Reset the transceiver

When first applying power, the transceiver may require CPU resetting.

**CAUTION:** Resetting the CPU will clear and initialize all memory channel contents, SET mode settings, DTMF memory contents and clock and timer settings.

While holding the [F], [R MAIN] and [ $\star$  CLR] keys, push [POWER] for 1 sec. to turn power ON.

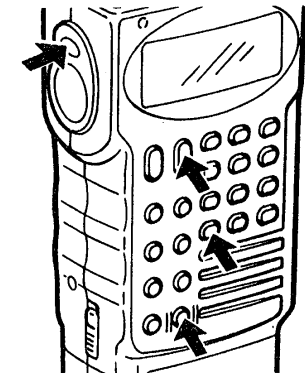
- The function display shows as follows:

The U.S.A. and Asia versions

146.01, 144.00 MHz

Other versions

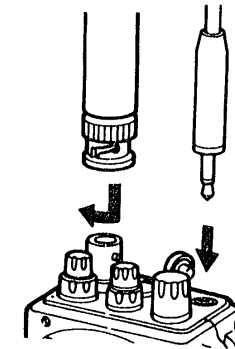
145.00, 144.00 MHz



## 3 Connect the antennas

Connect the 2 supplied antennas.

- The receiver antenna is not always necessary. Connect this antenna in order to use the wideband receiver.



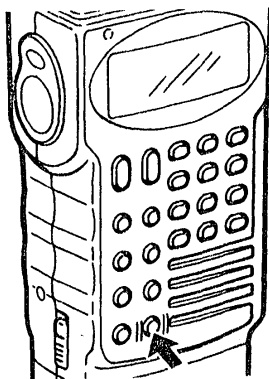
# 1 BASIC OPERATION

## 4 Turn power ON

Push and hold the [POWER] key for 1 sec. to turn power ON.

- A beep sounds at power ON.

To turn power OFF, push and hold the [POWER] key for 1 sec. again.



## 5 Adjust the audio level

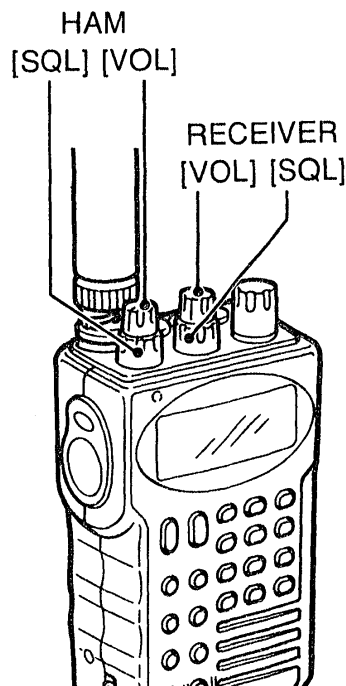
### HAM BAND AUDIO

- 1) Rotate the HAM [SQL] max. counterclockwise.
- 2) Set HAM [VOL] to the desired level.
- 3) Set HAM [SQL] to mute the audio noise while no signal is received.

### RECEIVER BAND AUDIO

Set the RX [VOL] and the RX [SQL] in the same way as the ham band's audio settings.

- When not in use, one-band operation is available. (p. 48)



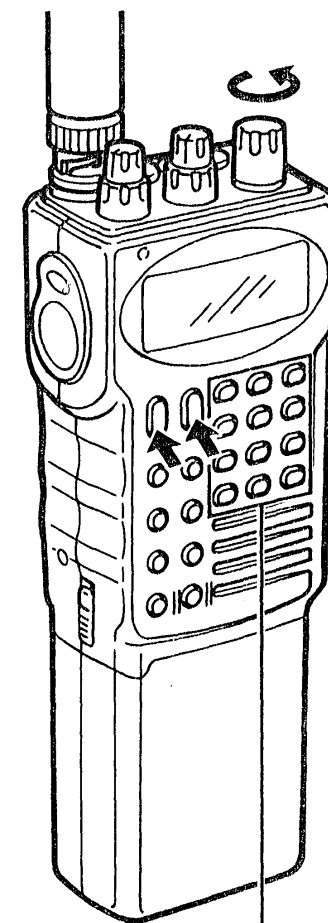
## 6 Set the frequency

### • Using the main dial

- 1) Push [H MAIN] or [R MAIN] to select the desired band as the main band.
  - "MAIN" shows the main band.
- 2) Rotate the main dial to set the frequency.
  - For fast tuning, rotate the main dial while pushing [F].

### • Direct frequency input

- 1) Push [H MAIN] or [R MAIN] to select the desired band as the main band.
- 2) Push [# ENT].
- 3) Push the appropriate keys (4~6 digits) to input a frequency.
  - "0" is acceptable for the 1 kHz digit (last digit).



For direct frequency input

See pgs. 18~20 for details.

