OICOM

INSTRUCTION MANUAL

144 MHz FM TRANSCEIVER

IC-229A IC-229E IC-229H



Icom Inc.

IMPORTANT

- (1) READ THIS INSTRUCTION MANUAL CARE-FULLY before attempting operation. If you have any questions regarding operation, feel free to contact your nearest authorized Icom Dealer or Service Center.
- (2) SAVE THIS INSTRUCTION MANUAL. This instruction manual contains important safety and operating instructions for the IC-229A/E/H.

FOREWORD

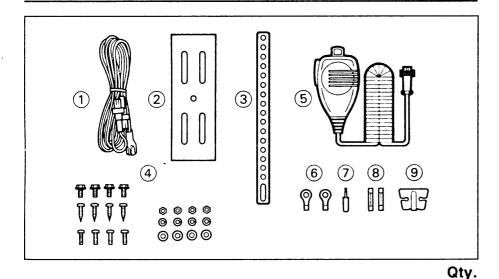
Thank you for choosing the IC-229A/E/H 144 MHz FM TRAN-SCEIVER.

The compact transceiver has numerous advanced functions and a vivid front panel with modern design that allows you easy operation while driving.

CAUTIONS

- (1) **NEVER** connect the transceiver to an AC outlet. This will ruin the transceiver.
- (2) NEVER connect more than 16 V DC power to the transceiver. Check the source voltage before connecting the power cable.
- (3) NEVER place the transceiver where normal operation of the vehicle may be hindered or where it could cause bodily injury.
- (4) **NEVER** allow children to touch the transceiver.
- (5) DO NOT install the transceiver where hot or cold air blows directly on it.
- (6) DO NOT use or place the transceiver in areas with temperatures below -10°C (+14°F) or over +60°C (+140°F) and in direct sunlight, such as on the dashboard.
- (7) **BE CAREFUL!** The heatsink may become hot when operating the transceiver for long periods.

UNPACKING



	_	<i>,</i>
1	DC power cable*1	1
2	Mobile mounting bracket (MB-27)	1
3	Support bracket	1
4	Screws, washers and nuts1	set
(5)	Microphone*2	1
6	Cable lugs	2
7	External speaker plug	1
8	Fuses*1	2
9	Microphone hanger	1
_	• •	

1		DC power cable	Fuses
	IC-229A/E	OPC-044B	15 A
	IC-229H	OPC-025A	20 A

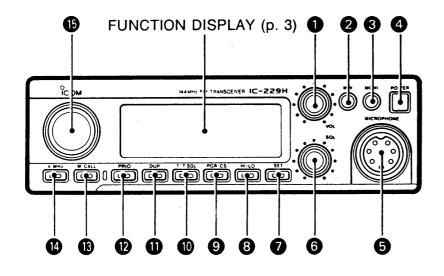
*2 U.S.A. version : HM-56 Australia and Asia versions : HM-58 Europe and Italy versions : HM-59

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PANEL DESCRIPTION

Front panel



1 VOLUME CONTROL [VOL]

Adjusts the audio output level. (p. 13)

2 MEMORY WRITE SWITCH [MW]

- Programs a memory channel. (p. 17)
- Programs a call channel. (p. 20)
- Transfers the contents of a memory or call channel to the VFO. (p. 18)

3 MONITOR SWITCH [MONI]

- Opens the squelch while being pushed. (p. 13)
- During repeater operation, receives repeater input frequency while being pushed. (p. 15)

4 POWER SWITCH [POWER]

Turns the transceiver power ON and OFF. (p. 12)

5 MICROPHONE CONNECTOR [MICROPHONE]

Connects the supplied microphone or another suitable microphone. (p. 4)

The optional SM-6, SM-8 DESKTOP MICROPHONES, HS-15 FLEXIBLE MOBILE MICROPHONE and HS-15SB SWITCHBOX are available. (p. 44)

6 SQUELCH CONTROL [SQL]

Adjusts the squelch threshold level. (p. 13)

SET MODE SWITCH [SET]

- Selects SET mode and advances SET mode displays.
 (p. 29)
- Deactivates the tuning control and some switches when pushed and held. (p. 13)

3 TRANSMIT POWER SWITCH [HI/LO]

- Selects transmit output power. (p. 14)
- Reverses the SET mode display. (p. 29)

9 PAGER/CODE SQUELCH SWITCH [PGR/CS]

Activates the optional pager or code squelch function. (pgs. 38~40)

10 TONE SWITCH [T/T.SQL]

- Activates the subaudible tone encoder function.* (pgs. 15, 36)
- Activates the optional pocket beep or tone squelch function. (pgs. 35, 36)

*U.S.A. version : Built-in Other versions : Optional

1 DUPLEX SWITCH [DUP]

- Selects simplex, -duplex or +duplex. (p. 15)
- Selects the memory split function. (p. 19)

PRIORITY SWITCH [PRIO]

Activates and cancels priority watch. (pgs. 23, 24)

® MEMORY/CALL CHANNEL SWITCH [M/CALL]

- Selects MEMORY mode. (p. 17)
- Selects CALL CHANNEL mode. (p. 20)

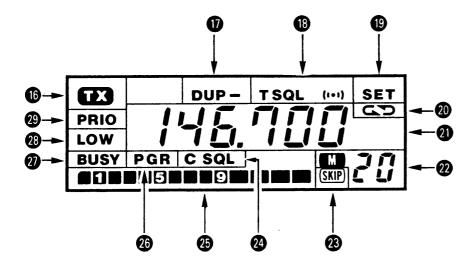
VFO/MHz SWITCH [V/MHz]

- Selects VFO mode. (p. 12)
- Selects 1 MHz tuning steps. (p. 12)

(B) TUNING CONTROL

- Changes the operating frequency. (p. 12)
- Changes the memory channel. (p. 17)
- Changes contents of SET mode displays. (pgs. $29 \sim 33$)

■ Function display



13 TRANSMIT INDICATOR

Appears while transmitting. (p. 14)

10 DUPLEX INDICATOR

- "DUP-" appears when -duplex is selected. (p. 15)
- "DUP" appears when + duplex is selected. (p. 15)

13 TONE INDICATOR

- "T" appears when the subaudible tone encoder function is activated. (pgs. 15, 35)
- "T SQL (1-1)" appears when the optional pocket beep function is activated. (p. 36)
- "T SQL" appears when the optional tone squelch function is activated. (p. 36)

*U.S.A. version : Built-in Other versions : Optional

(B) SET INDICATOR

Appears when SET mode is selected. (p. 29)

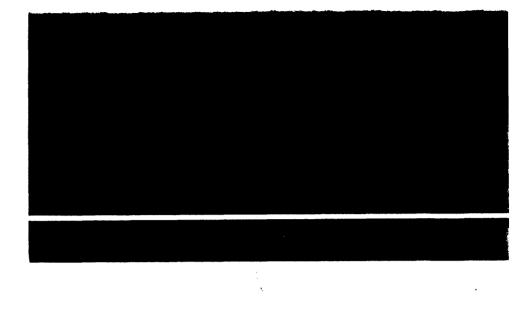
10 MEMORY SPLIT INDICATOR

Appears when a memory channel with the memory split function is selected. (p. 19)

1 FREQUENCY READOUT

Displays the operating frequency.

Count on us!



Icom Inc.

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