

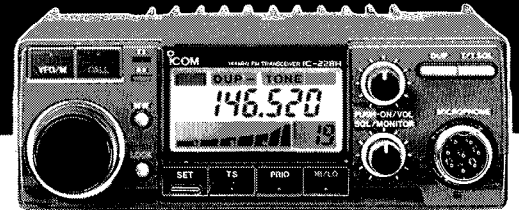
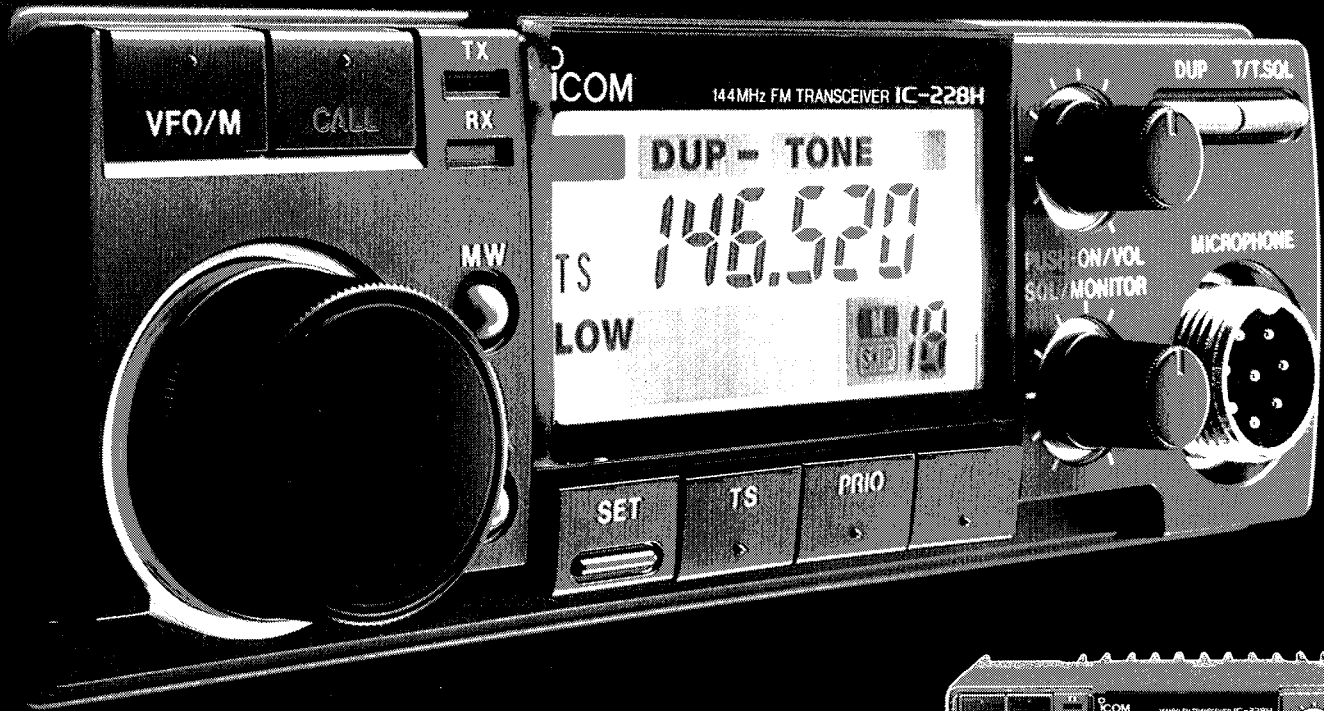
ICOM

144MHz FM TRANSCEIVER

IC-228A (USA VERSION)

IC-228E (EUROPEAN VERSION)

IC-228H (GENERAL HIGH POWER VERSION)



MULTI-COLOR LIQUID CRYSTAL DISPLAY (LCD)

Icom introduces a color LCD for easy viewing. Orange, red and green highlight the numbers and letters displayed in black. Light up your 2 meter life.

45W OUTPUT POWER

You'll never be at a loss to make that distant repeater. Using a custom designed power module as the power amplifier, this transceiver outputs 45W. 25W model also available.

EXTRA LARGE HEATSINK

An extra large, efficient heatsink is built in to ensure continuous heat dissipation while transmitting.

20 MEMORY CHANNELS FOR YOUR CONVENIENCE

Each of the 20 memory channels stores all the information required to work a repeater. Throw those frequency lists away.

PROGRAMMED SCAN AND MEMORY SCAN

The Programmed Scan function scans all frequencies between two programmable scan edge frequencies. The Memory Scan function scans all memory channels in succession, except those you choose to skip.

PRIORITY WATCH

Priority Watch monitors the Call Channel, a memory channel or all memory channels in succession every five seconds — while you operate.

POCKET SLED[®] AND TONE SQUELCH

When the UT-40 TONE SQUELCH UNIT (sold separately) is installed, the IC-228A/E/H alerts you only if selected calls are received. When the frequency of a received tone equals the tone frequency you've set, a 30 second alarm is emitted over the speaker. Never miss a sked.

MONITOR THE REPEATER INPUT FREQUENCY INSTANTLY

It's so easy to check the input frequency when working a repeater. Simply push the squelch control on the front panel to open the squelch and check the frequency.

COMPACT, LIGHTWEIGHT AND EASY TO OPERATE

This transceiver provides you with so many features. But it's so light and compact that it fits under your dashboard. The front panel is designed for convenient operation.

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage

MODEL	VERSION	RECEIVER	TRANSMITTER
IC-228A, IC-228H	USA	138.00~174.00MHz*	140.10~150.00MHz*
IC-228A, IC-228H	Australia	144.00~148.00MHz	144.10~148.00MHz
IC-228A, IC-228H	Asia	138.00~174.00MHz*	140.10~150.00MHz*
IC-228E, IC-228H	Europe	144.00~146.00MHz	144.00~146.00MHz
IC-228E, IC-228H	Italy	140.00~150.00MHz*	140.00~150.00MHz*

*Specifications apply to 144.00~148.00MHz.

- Mode : FM (F3)
- Tuning step : 5, 10, 15, 20 and 25kHz
(USA, Australia, Asia versions)
12.5 and 25kHz
(Europe, Italy versions)
- Memory channels : 20 and 1 Call Channel
- Antenna impedance : 50Ω (unbalanced)
- Power supply requirement : 13.8V (±15%) DC (negative ground)
- Current drain (at 13.8V DC) : Receive/max. audio output 800mA
Receive/standby 450mA
IC-228H
Transmit/HIGH output power 9.5A
Transmit/LOW output power 3.5A

IC-228A, IC-228E
Transmit/HIGH output power 6.0A
Transmit/LOW output power 3.0A
- Usable temperature range : -10°C~+60°C (14°F~140°F)
- Frequency stability : ±10ppm (-10°C~+60°C) (14°F~140°F)

- Dimensions : IC-228A, IC-228E
140(W)×50(H)×137(D)mm
5.5(W)×2(H)×5.4(D) inches
IC-228H
140(W)×50(H)×159(D)mm
5.5(W)×2(H)×6.3(D) inches
- Weight : IC-228A, IC-228E 0.85kg 1.9lbs
IC-228H 1.1kg 2.4lbs

TRANSMITTER

- Output power : IC-228H HIGH: 45W
LOW: 5W
IC-228A, IC-228E HIGH: 25W
LOW: 5W
 - Modulation system : Variable reactance frequency modulation
 - Maximum frequency deviation : ±5.0kHz
 - Spurious emissions : Less than -60dB
 - Microphone impedance : 600Ω
- RECEIVER**
- Receive system : Double-conversion superheterodyne
 - Intermediate frequencies : 1st 17.2MHz
2nd 455kHz
 - Sensitivity : Less than 0.18μV for 12dB SINAD
 - Selectivity : More than 15kHz/-6dB
Less than 30kHz/-60dB
 - Squelch threshold sensitivity : Less than 0.11μV
 - Audio output power : More than 2.4W at 10% distortion with an 8Ω load
 - Audio output impedance : 8Ω

All stated specifications are subject to change without notice or obligation.

OPTIONS

- **HM-12** HAND MICROPHONE
- **HM-14** DTMF MICROPHONE
(Already supplied with the U.S.A. version.)
- **HM-15** HAND MICROPHONE
(Already supplied with Europe version.)
- **HM-16** SPEAKER-MICROPHONE
- **HM-17** SPEAKER-MICROPHONE
(1750Hz tone call switch included.)
- **HS-15** FLEXIBLE MOBILE MICROPHONE
- **HS-15SB** SWITCHBOX (for HS-15)
- **IC-PS30** AC POWER SUPPLY (13.8V DC, 25A)
- **PS-45** AC POWER SUPPLY (13.8V DC, 8A)
(For the IC-228A/E.)
- **SM-6** DESKTOP MICROPHONE
- **SM-8** DESKTOP MICROPHONE
- **IC-SP4** EXTERNAL SPEAKER (4Ω, 3W)
- **SP-7** EXTERNAL SPEAKER (8Ω, 5W)
(For base station operation.)
- **SP-10** EXTERNAL SPEAKER (8Ω, 5W)
- **SP-12** EXTERNAL SPEAKER (8Ω, 3W)
- **UT-40** TONE SQUELCH UNIT

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Count on us!

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