

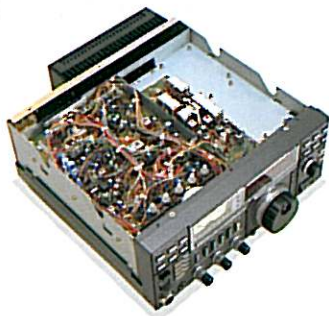
IC-271H

Now a 100 Watt, 2 Meter Base!



For the ultimate in two-meter communications, ICOM presents the IC-271H transceiver with a high dynamic range receiver and a 100 watt transmitter. Operating from the IC-PS30, IC-PS15, or the internal IC-PS35 (optional), the IC-271H brings all the advanced functions of the latest CPU controlled radios to your shack.

100 Watts. Now a two-meter base station with 100 watts of internal power! The IC-271H provides all the power required for operation from remote places to repeaters, or for simplex.



IC-PS30
Power Supply

Subaudible Tones. Included as a standard feature are 32 built-in subaudible tones which are easily selected by rotating the main tuning knob. The tones may be stored into memory. (USA version only).

32 Full-Function Memories. Each tunable memory holds frequency, offset, offset direction, mode and subaudible tone. Each parameter is selected by rotating the main tuning knob in conjunction with the switches on the front panel.

PLL Locked at 10Hz. An extremely low-noise, professional receiver and a good signal-to-noise ratio PLL allows the IC-271H's synthesizer to lock to 10Hz providing receiver performance unparalleled by any other VHF receiver.

Fluorescent Display. ICOM's high-visibility, multicolor display gives easy-to-read display of all information necessary for logging a contact. Frequency, mode, duplex, offset direction, RIT frequency, memory channel and subaudible tone (USA version only) can be displayed.

Scanning. The IC-271H can scan memories and programmed sections of the band or modes. Mode-S scan can be used to scan only memories with a particular mode or lock out frequencies continuously busy so the receiver will not stop at that memory channel while scanning.

Other Standard Features. To facilitate the operation of the IC-271H, ICOM has incorporated a duplex check switch, all-mode squelch, receive audio tone control, S-meter, center meter, seven-year lithium battery memory backup, accessory connector and microphone.

Optional Features. IC-271H options are: switchable pre-amplifier, CTCSS encoder/decoder (encoder is standard for USA version), computer interface and voice synthesizer.

Size. Only 11 $\frac{1}{4}$ inches wide by 4 $\frac{3}{8}$ inches high, the IC-271H is styled to look good and engineered for ease of operation.



IC-271H
Shown with internal
power supply, IC-PS35

The IC-271A/E. The IC-271A/E with 25 watt output is available and has the same features as the IC-271H, plus an optional IC-PS25 internal power supply to make it a compact, go-anywhere two-meter base station. See the IC-271A/E/H and other fine ICOM equipment at your ICOM dealer today.

(Specifications on reverse side)

HF/VHF/UHF AMATEUR AND BUSINESS USE COMMUNICATION EQUIPMENT



ICOM

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144 MHz SSB CW FM TRANSCEIVER IC-271H



SPECIFICATIONS: IC-271H

GENERAL

- Frequency Coverage 144.0 ~ 148.0MHz
(European version: 144.0 ~ 146.0MHz)
- Frequency Resolution SSB, 10Hz Steps (Automatic 100Hz steps shift); FM, 5KHz steps 1KHz steps with TS button depressed
- Frequency Readout 7 digit fluorescent display 100Hz readout with RIT shift.
- Frequency Stability within ± 1.5 KHz in the range of $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Memory Channels 32 channels, any inband frequency programmable
- Usable Conditions Temperature: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ ($14^{\circ}\text{F} \sim 140^{\circ}\text{F}$) Duty cycle: continuous
- Antenna Impedance 50 ohms unbalanced
- Power Supply Requirement 13.8V DC $\pm 15\%$ (negative ground) AC power supply is available for AC operation
- Current Drain (at 13.8V DC)
 - Transmitting
 - SSB PEP 100W approx. 18A
 - CW, FM 100W approx. 18A
 - FM 10W approx. 4A
 - Receiving
 - At max. audio output, approx. 1.4A
 - Squelched, approx. 1.2A
- Dimensions 111mm(H) x 286mm(W) x 324mm(D),

TRANSMITTER

- Output Power SSB 100W (PEP), CW-FM 100W, Continuously adjustable output power 10W ~ Max.
- Emission Mode SSB (A3J, USB/LSB), CW (A1), FM (F3)
- Modulation System SSB: balanced modulation
FM: variable reactance frequency modulation
- Max. Frequency Deviation ± 5 KHz
- Spurious Emission More than 60dB below peak power output
- Carrier Suppression More than 40dB below peak power output
- Unwanted Sideband More than 40dB down at 1000Hz AF input

- Microphone 600 ohm electret condenser microphone with push-to-talk switch and scanning buttons (IC-SM6 optional base mic available)
- Operating Mode Simplex, Duplex (any inband 10KHz increments frequency separation programmable)

RECEIVER

- Receiving Mode SSB (A3J, USB/LSB), CW (A1) FM (F3)
- IF Frequencies SSB, CW: 10.75MHz
FM: 10.75MHz, 455KHz
- Sensitivity SSB, CW: Less than 0.5 microvolts for 10dB S+N/N
FM: More than 30dB S+N+D/N+D at 1 microvolt
- Squelch Sensitivity SSB, CW: Less than 0.6 microvolts
FM: Less than 0.4 microvolts
- Spurious Response Rejection Ratio More than 60dB
- Selectivity SSB, CW: More than 2.4KHz at -6 dB point
Less than 4.8KHz at -60 dB point
FM: More than 15KHz at -60 dB point
Less than 30KHz at -60 dB point
- Audio Output Power 2 watts
- Audio Output Impedance 8 ohms
- RIT Variable Range ± 9.9 KHz

Accessories:

IC-271A/E Options:

- IC-PS25 Internal Power Supply
- AG-20 Internal Preamp
- UT-15 CTCSS Encoder/Decoder
- IC-EX309 Computer Interface
- IC-EX310 Voice Synthesizer

IC-271H Options:

- IC-PS35 Internal Power Supply
- AG-25 Mast-mounted Preamp
- UT-15 CTCSS Encoder/Decoder
- IC-EX309 Computer Interface
- IC-EX310 Voice Synthesizer

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All stated specifications are approximate and subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions.