



DUAL BAND FM TRANSCEIVER

IC-2720H

Twice the versatility, twice the fun!

V/V, U/U simultaneous receive capability

The IC-2720H is a unique dual band mobile, providing VHF/VHF, UHF/UHF simultaneous receive capability along with VHF/UHF full duplex operation. Simple touch of a button changes the transmit band.

Independent controls for each band

Operating two bands simultaneously is very simple with Icom's symmetric layout with a wide LCD display showing both band settings in an easy to read side by side format. The IC-2720H provides separate tuning, volume, squelch knobs and function buttons for the left and right side bands. Also, listen to both bands independently through separate left and right band audio jacks.

Dynamic Memory Scan (DMS)

With 212 memory channels, Icom's exclusive Dynamic Memory Scan system gives you flexibility over your scanning lists, fully customizable in 10 banks.



Photo shows combined controller/main unit setup using optional MB-85.

Selectable Green and Amber Display.

Wideband receiver

Keep on top of what is happening with the IC-2720H's wideband receiver. Covering from 118-549 and 810-999MHz*, you will be able to listen to almost any communications!

(* Receiver range differs depending on version)

HM-133, remote control microphone

The Icom exclusive "Hot keys" (F1/F2) memorize the most commonly used transceiver settings.

DTCS and CTCSS

The IC-2720H incorporates 104x2 DTCS and 50 CTCSS tone codes along with a tone scan function. Don't miss out on communications because of not having the proper type of "tones"! The "pocket beep" feature gives you an audible and visible indicator of an incoming call.



HM-133

Compact, remote controller

The controller with the 3.5m (11.5') separation cable is an easy to install two pieces configuration. This configuration offers the flexibility of mounting the controller while placing the main unit in an out-of-the-way location without any additional cost. Microphone jacks are mounted both on the controller and main unit of the radio!

And more...

- 10dB RF attenuator
 - Selectable squelch delay
 - 9600bps packet data terminal (mini-DIN 6-pin connector)
 - Optional MB-85 allows you to mount the controller to the main unit
 - 14 DTMF memory channels (24 digits)
 - Sub band auto mute function
 - MOS-FET power amplifier
 - Weather Alert*
 - Auto repeater function*
 - Wide/narrow channel spacing*
- (* U.S.A. version only)

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SPECIFICATIONS

GENERAL

• Frequency coverage : (Unit: MHz)

| Version | Guaranteed range | Receiver working range |
|-----------|-------------------|---|
| U.S.A. | 144-148, 440-450* | (Left side) 118-549.995 (Right side) 118-173.995, 375-549.995, 810-999.990** |
| S.E. Asia | 144-148, 430-440 | 136-173.995, 430-440 |
| General | 144-148, 430-440 | (Left side) 118-549.995 (Right side) 118-173.995, 375-549.995, 810-999.990 |

*1 Tx working range 430-450. ** Cellular blocked.

- Mode : FM, AM* *RX only; not guaranteed
- Number of memory channels : 212 (Including 2 call and 10 scan edges)
- Antenna impedance : 50Ω (SO-239)
- Power supply requirement : 13.8V DC ±15%
- Usable temperature range : -10°C to +60°C; +14°F to +140°F
- Frequency stability : ±10ppm (-10°C to +60°C)
- Tuning step increments : 5, 10, 12.5, 15, 20, 25, 30 and 50kHz
- Current drain (at 13.8V DC) : Receive standby 1.2A
max. audio output 1.8A
Transmit at high (VHF) 12A
(UHF) 11A

- Dimensions (projections not included; W×H×D) :
Controller 140 × 50 × 24.5mm; 5½ × 1¾ × 3¼in
Main Unit 140 × 40 × 187mm; 5½ × 1¾ × 7¾in
- Weight (approx.) :
Controller 150g; 5.29oz
Main Unit 1.25kg; 2.75lb

TRANSMITTER

- Output power : VHF 50W, 15W typ., 5W typ. selectable
UHF 35W, 15W typ., 5W typ. selectable
- Max. frequency deviation : ±5.0kHz (wide), ±2.5kHz (narrow)
- Spurious emissions : Less than -60dB
- Microphone impedance : 600Ω (8-pin modular jack)

RECEIVER

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : 1st 38.85/46.05MHz
2nd 450/455kHz
- Sensitivity (at 12dB SINAD) : Less than 0.18μV
- Squelch sensitivity : Less than 0.13μV (at threshold)
- Selectivity (Wide/Narrow*) : More than 12/6kHz at -6dB
(* U.S.A. version only)
Less than 30/20kHz at -60dB
- Spurious rejection ratio : More than 60dB
- Audio output (at 13.8V DC) : More than 2.4W at 10% distortion with an 8Ω load
- Ext. speaker connector : 2-conductor 3.5 (d) mm (⅝"/8Ω)

Supplied accessories:

- Hand microphone, HM-133
- DC power cable, OPC-1132
- Mounting bracket, MB-84
- 3.5m (11.5ft) separation cable
- Spare fuse

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

OPTIONS

■ MOUNTING BRACKETS

- **MB-84** CONTROLLER BRACKET
Mounts the remote controller in a convenient location for operation with the controller detached.
- **MB-85** COMBINATION BRACKET
Mounts the remote controller to the main unit. 20cm (7.87in.) separation cable is supplied
- **MB-65** MOUNTING BASE
Mounts the remote controller with the MB-84. Adjustable angle and direction for optimum positioning.
- **MB-17A** MOBILE MOUNTING BRACKET
The main unit is easily attached and removed.



■ MICROPHONE ACCESSORIES

- **HM-118N** HAND MICROPHONE
Regular hand microphone.
- **HM-118TN/TAN** DTMF MICROPHONE
DTMF microphone.
- **HM-133** REMOTE CONTROL MICROPHONE
Full remote control microphone with keypad backlighting. Same as supplied.
- **OPC-440/OPC-647** MIC EXTENSION CABLES
OPC-440: 5.0m (16.4ft); OPC-647: 2.5m (8.2ft)
- **OPC-589** MIC ADAPTER CABLE
Allows you to connect an 8-pin microphone.



■ OTHER ACCESSORIES

- **CS-2720** CLONING SOFTWARE
- **OPC-478/OPC-478U** CLONING CABLES
OPC-478: RS-232C cable; OPC-478U: USB cable
- **OPC-474** CLONING CABLE (between transceivers)
- **OPC-347/OPC-1132** DC POWER CABLES
OPC-347: 7.0m (23ft); OPC-1132: 3.0m (9.8ft)
- **OPC-441** SPEAKER EXTENSION CABLE
5.0m (16.4ft) of extension cable for speaker.
- **OPC-1155/OPC-1156** SEPARATION CABLES
3.5m (11.5ft) of extension cable for remote controller. A modular connector is supplied with OPC-1156.
- **SP-7/SP-10** EXTERNAL SPEAKERS



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