



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 118–550 and 810–999MHz*, (cellular excluded), 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.

CTCSS and DTCS

The IC-2720H incorporates 50 CTCSS and 104 DTCS operation along with the 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 control head

The control head with the 3.5m (11.5') separation cable is an easy to install two pieces configuration. This configuration offers the flexibility of mounting the head while placing the main unit in an out-of-the-way location without any additional cost. Microphone jacks are mounted both on the control head 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
 - 12 DTMF memory channels (24 digits)
 - Sub band auto mute function
 - MOS-FET power amplifier
 - Weather Alert*
 - Auto repeater function*
- (* U.S.A. version only)

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SPECIFICATIONS

GENERAL

• Frequency coverage : (Unit: MHz)

Version	Transmit	Receive
U.S.A.	144-148, 430-450 ^{*1}	(Left side) 118-550 (Right side) 118-174, 375-550, 810-999.990 ^{*2}
S.E.Asia	144-148, 430-440	136-174, 430-440
General	144-148, 430-440	(Left side) 118-550 (Right side) 118-174, 375-550, 810-999.990

^{*1} Guaranteed range 440-450. ^{*2} Cellular blocked.

- Mode : FM, AM^{*}
- 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 stand-by 1.2A
max. audio output 1.8A
Transmit at high (VHF) 12A
(UHF) 11A
- Dimensions (projections not included; W×H×D) :
Controller 140 × 50 × 27mm; 5½ × 1¾ × 1⅛in
Main Unit 140 × 40 × 187mm; 5½ × 1⅞ × 7⅜in
- Weight (approx.) :
Controller 150g; 5.29oz
Main Unit 1.4kg; 3.08lb

TRANSMITTER

- Output power : VHF 50W, 20W, 5W selectable
UHF 35W, 20W, 5W selectable
- Max. frequency deviation : ±5.0kHz
- 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
(Left/right side band) 2nd 450/455kHz
- Sensitivity (at 12dB SINAD) : Less than 0.18μV
- Squelch sensitivity : Less than 0.13μV (at threshold)
- Selectivity : More than 12kHz-6dB
Less than 30kHz-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: (*depending on version)

- Hand microphone, HM-133
- Mounting bracket, MB-84*
- DC power cable, OPC-1132
- Separation cable, OPC-1155*
- 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 front panel 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-118TN/TAN** DTMF MICROPHONE
DTMF microphone.
- **HM-118N** HAND MICROPHONE
Regular hand microphone.
- **HM-133** REMOTE CONTROL MICROPHONE
Full remote control microphone with keypad backlighting. Supplied with some versions.
- **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** CLONING CABLE
For quick and easy programming of memories, etc.
- **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)
- **OPC-1156** SEPARATION CABLE
For operation with the front panel detached. 3.5m (11.5ft). An modular connector is supplied.
- **SP-10** EXTERNAL SPEAKER



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Certificate Number Q14190

Icom Inc. (Japan), is an ISO9001 certification acquired company.

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