



DUAL BAND FM TRANSCEIVER

IC-2725E

Twice the versatility, twice the fun!

V/V, U/U simultaneous receive capability

The IC-2725E 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 allows you to change the main (transmit) band and sub 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-2725E 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.



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!

HM-133, remote control microphone

The backlit HM-133, gives you control of your IC-2725E in the palm of your hand. The Icom exclusive "Hot keys" (F1/F2) memorize the transceiver full settings. As if switching between two separate radios, VHF/UHF operating frequencies, tone settings as well as the display color and set mode settings are memorized.



HM-133

CTCSS and DTCSS

The IC-2725E incorporates 50 CTCSS and 104 DTCSS 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.

And more...

- Optional MB-85 allows mounting the controller on the main unit
- 9600bps packet data terminal (mini-DIN 6-pin connector)
- 10dB RF attenuator
- Selectable squelch delay
- 12 DTMF memory channels (24 digits)
- Sub band auto mute function
- Wide/narrow channel spacing
- Newly adopted MOS-FET power amplifier

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage : (Unit: MHz)
EURO version 144–146, 430–440
ITR Version 144–146, 430–434, 435–438
- Mode : FM
- Number of memory channels : 212 (Including 2 call and 10 scan edges)
- Antenna impedance : 50Ω (SO-239)
- Power supply requirement : 13.8V DC $\pm 15\%$
- Usable temperature range : -10°C to $+60^{\circ}\text{C}$
- Frequency stability : $\pm 10\text{ppm}$ (-10°C to $+60^{\circ}\text{C}$)
- Tuning step increments : 5, 10, 12.5, 15, 20, 25, 30 and 50kHz
- Current drain (at 13.8V DC) :
Transmit VHF 12A
UHF 11A
Receive stand-by 1.2A
max. audio 1.8A
- Dimensions (projections not included; W×H×D) :
Controller 140 × 50 × 27mm
Main Unit 140 × 40 × 187mm
- Weight (approx.) :
Controller 150g
Main Unit 1.4kg

TRANSMITTER

- Output power : VHF 50W, 20W, 5W selectable
UHF 35W, 20W, 5W selectable
- Max. frequency deviation : $\pm 5.0\text{kHz}$
- 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/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). A modular connector is supplied.
- **SP-10** EXTERNAL SPEAKER



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