



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. The 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 the symmetric layout and the 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 into 10 banks.



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

Selectable Green and Amber Display.



### Compact remote controller

The supplied MB-85 allows mounting of the controller on the main unit. The optional MB-84 with the OPC-1155, 3.5m separation cable offers the flexibility of mounting the controller, while placing the main unit in an out-of-the-way location. Microphone jacks are located on both the controller and the main unit.

### HM-133, remote control microphone

The backlit HM-133, gives you control of your IC-2725E from the palm of your hand. The Icom exclusive "Hot keys" (F1/F2) memorize the transceiver's 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

### DTCS and CTCSS

The IC-2725E 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.

### And more...

- 9600bps packet data terminal (mini-DIN 6-pin connector)
- 10dB RF attenuator
- Selectable squelch delay
- 14 DTMF memory channels (24 digits)
- Sub band auto mute function
- Wide/narrow channel spacing (Left side band only)
- Newly adopted MOS-FET power amplifier

Icom Inc.

## SPECIFICATIONS

### GENERAL

- Frequency coverage : (Unit: MHz)  
 EUR version 144-146, 430-440  
 ITR version 144-146, 430-434, 435-438
- Mode : FM
- Number of channels : 212 (Including 2 call and 10 scan edges)
- Antenna impedance : 50Ω (SO-239)
- Power supply requirement : 13.8V DC ±15%
- Usable Temp. range : -10°C to +60°C
- 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) :  
 Transmit VHF 12A  
 UHF 11A  
 Receive Stand-by 1.2A  
 Max. audio 1.8A
- Dimensions (projections not included; W×H×D) :  
 Controller 140 × 50 × 24.5mm  
 Main Unit 140 × 40 × 187mm
- Weight (approx.) :  
 Controller 150g  
 Main Unit 1.25kg

### TRANSMITTER

- Output power (selectable):  
 VHF 50W, 15W approx., 5W approx.  
 UHF 35W, 15W approx., 5W approx.
- Max. freq. deviation : ±5.0/2.5kHz (wide/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 (Left/right side band) 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  
 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/8Ω

### Applicable U.S. Military Specifications

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I	506.2	I	506.3	I	506.4	I
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

### Supplied accessories:

- Hand microphone, HM-133
- Combination bracket, MB-85
- DC power cable, OPC-1132
- 20cm 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 front panel detached.
- **MB-85** COMBINATION BRACKET  
 Mounts the remote controller to the main unit. 20cm 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** DTMF MICROPHONE  
 DTMF microphone.
- **HM-118N** HAND MICROPHONE  
 Regular hand microphone.
- **HM-133** REMOTE CONTROL MICROPHONE  
 Full remote control microphone with keypad back-lighting. Same as supplied.
- **OPC-440/OPC-647** MIC EXTENSION CABLES  
 OPC-440: 5.0m ; OPC-647: 2.5m
- **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; OPC-1132: 3.0m
- **OPC-441** SPEAKER EXTENSION CABLE  
 5.0m speaker extension cable.
- **OPC-1155/OPC-1156** SEPARATION CABLES  
 3.5m separation cable for remote controller. A modular connector is supplied with OPC-1156.
- **SP-7/SP-10** EXTERNAL SPEAKERS



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