



NEW PRODUCT INFORMATION

VHF/UHF DUAL BAND
TRANSCEIVERS

IC-2730A (USA, EXP)
IC-2730E (Europe)



Icom proudly announces the debut of the new VHF/UHF dual band transceiver, IC-2730A/2730E. It is the successor of the long selling IC-2720H series, inheriting basic concepts and enhanced features such as V/V, U/U simultaneous receive capability, independent tuning knobs and separate controller. The large white backlight display provides for easy, intuitive operation. Furthermore, with the optional UT-133 Bluetooth® unit and VS-3 Bluetooth® headset, hands-free communication and remote control of the radio with three programmable buttons are possible.

SELLING POINTS

- **Optinal VS-3 Bluetooth® Headset**
(* Optional UT-133 Bluetooth® unit is required.)
- **Easy-to-See Large White Backlight Display**
- **Easy Vehicle Mounting with Optional MBF-1**
(* Optional MBA-5 Controller bracket is required.)
- **HM-207, Remote Control Microphone**
- **V/V, U/U Simultaneous Receive Capability**
- **Independent Controls for Each Band**
- **Durable PA Module which Delivers 50W Output Power for VHF and UHF Bands**

FEATURES

VS-3 Bluetooth® Headset (Option)

The optional Bluetooth® headset, VS-3 can wirelessly control the IC-2730A/E with three programmable and PTT buttons and provides VOX operation for hands-free communication. Providing you with convenient communication in a vehicle.
 * Optional UT-133 Bluetooth® unit must be installed in the IC-2730A/E.



UT-133 Bluetooth® unit



VS-3 Bluetooth® headset

Easy-to-See Large White Backlight Display

The display size of the IC-2730A/E is 1.5 times larger than the IC-2720H/E2725. Frequency indications become larger and the white backlight provides higher contrast.



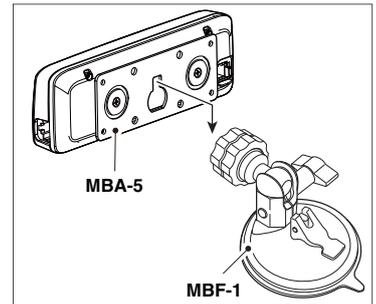
▲ IC-2730A/E
 (Effective viewing field size: 91.0 × 27.0 mm)



▲ IC-2720H/E2725
 (Effective viewing field size: 81.0 × 19.5 mm)

Easy Vehicle Mounting with Optional MBF-1

The combination of the optional MBF-1 suction cup mounting base and MBA-5 controller bracket provides easy tilt and swivel adjustments for mobile operation. The large suction cup can be mounted to dashboards or other flat surfaces and can be removed easily.



HM-207, Remote Control Microphone

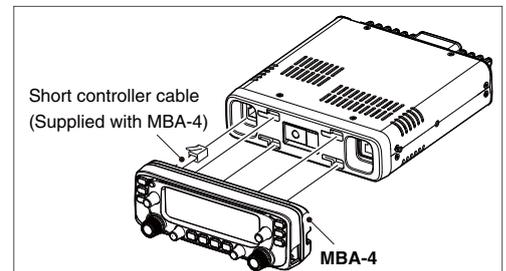
The supplied remote-control microphone, HM-207 allows you to control various settings from the microphone. The backlit buttons help with operation in low light conditions.

V/V, U/U Simultaneous Receive Capability

The IC-2730A/E is a dual band transceiver, which provides VHF/VHF, UHF/UHF simultaneous receive capability as well as VHF/UHF receive. Simple one-touch of a button allows you to change between the main (transmit) band and sub band.

Controller Attachment to the Main Unit with Optional MBA-4

With the optional MBA-4 combination bracket, the controller can be attached to the main unit. The microphone jacks are mounted on both the controller and main unit allowing you to connect the microphone to either unit.



Independent controls for each band

Main dials, volume, squelch knobs and primal buttons are symmetrically laid out. Various operation including frequency tuning can be made smoothly and straightforwardly.

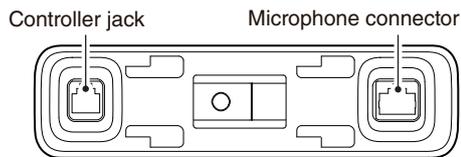


FEATURES

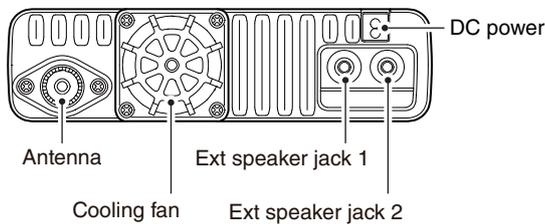
Other Features

- Wide frequency coverage, 118–136.975MHz (AM/AM-N), 137–174MHz and 375–550MHz (FM/FM-N)
- 50W output power on both VHF and UHF bands
- 104 DTCS and 50 CTCSS tone codes
- Split tone function allows you to encode and decode different CTCSS/DTCS tones
- 1000 memory channels, 2 call channels and 50 scan edges with 8-character channel name
- Cross band repeater capability
- Free download PC programming software, CS-2730
- Versatile scanning capability
- Squelch delay and squelch attenuator
- Sub band auto mute function
- Sub band busy beep function
- Auto repeater functions* (* USA/KOR versions only)
- Auto power off
- Time-out-timer
- 16 DTMF auto dial memories
- Weather channel receive with weather alert* (* USA version only)
- CI-V remote control capability (through OPC-478UC)

Main unit front panel view



Main unit rear panel view



SPECIFICATIONS

Specifications described below are target values. They may be subject to change.

■ GENERAL

- Frequency coverage: (Unit: MHz)

Version	Transmit	Receiver
EUR (#02)	144–146, 430–440	118–174, 375–550* ¹
ITR (#03)	144–146, 430–434, 435–438	118–136.975, 144–146, 430–434, 435–438* ²
TPE (#04)	144–146, 430–432	144–146, 430–432
USA (#05)	144–148, 430–450	118–174, 375–550* ³
KOR (#06)	144–146, 430–440	144–146, 430–440
EXP (#09)	137–174, 400–470* ⁴	118–174, 375–550* ⁴
CHN (#10)	137–174, 400–470* ¹	118–174, 375–550* ¹

Guaranteed range: *¹ 144–146, 430–440MHz. *² 144–146, 430–434, 435–438MHz. *³ 144–148, 430–450MHz. *⁴ 144–148, 430–440MHz.

- Mode: F2D, F3E
- No. of memory channels: 1052 (incl. 50 scan edges and 2 call)
- Frequency resolution: 5, 6.25, 8.33*, 10, 12.5, 15, 20, 25, 30, 50kHz

* Selectable depending on operating bands or modes.

- Operating temp. range: –10°C to +60°C; 14°F to +140°F
- Frequency stability: ±2.5ppm (–10°C to +60°C)
- Power supply requirement: 13.8V DC ±15 %
- Current drain (at 13.8V DC):

Transmit	at 50W	13A
Receive	Stand-by	1.2A

Max. audio 1.8A (Dual band with external SP)

- Antenna impedance: 50Ω (SO-239)
- Dimensions (W×H×D, projections are not included):

Main unit	150×40×151 mm;
	5.91×1.57×5.94 in
Controller	150×50×27.2 mm;
	5.91×1.97×1.07 in
- Weight (approx.):

Main unit	1200g; 2.65 lb
Controller	140g; 4.94 oz

■ TRANSMITTER

- Output power: 50/15/5W
TPE version 25/15/5W
- Spurious emissions: Less than –60dBc
- Max. deviation: ±5.0/±2.5kHz (FM/FM-N)
- Microphone impedance: 600Ω (8-pin modular)

■ RECEIVER

- Intermediate frequency:

A band (Left side)	38.85MHz/450kHz (1st/2nd)
B band (Right side)	46.35MHz/450kHz (1st/2nd)
 - Sensitivity (Amateur bands only):

	Less than –15dBμ at 12dB SINAD
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 - Squelch sensitivity: Less than –18dBμ at threshold
 - Selectivity:

	More than 60dB (FM)
	More than 55dB (FM-N)
 - Spurious and image rejection:

A band	More than 60/55dB (VHF/UHF)
B band	More than 60/60dB (VHF/UHF)
 - Audio output power: More than 2.0W
at 10% distortion with 8Ω load
 - Ext. speaker connector: 2-conductor 3.5 (d) mm (1/8")/8Ω
 - Receiver sensitivity (Not guaranteed, for your reference only)
FM/FM-N (12dB SINAD)*

137–159.995MHz	Less than –10dBμ
160–174.000MHz	Less than –5dBμ
375–399.995MHz	Less than –5dBμ
400–499.995MHz	Less than –10dBμ
500–550.000MHz	Less than –5dBμ

 AM/AM-N (10dB S/N)

118–136.975MHz	Less than 0dBμ
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- (* Except amateur bands)

Applicable U.S. Military Specifications

Standard	MIL 810 G	
	Method	Procedure
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Solar Radiation	505.5	I
Vibration	514.6	I
Shock	516.6	I

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

Supplied Accessories

- Hand microphone, HM-207
- DC power cable, OPC-345A
- Controller cable, OPC-837 (3.5 m; 11.4 ft)
- Microphone hanger
- Spare fuse

E-Marking for Europe is pending as of November 2014.

OPTIONS

■ HAND MICROPHONES

- HM-154: Hand microphone with up/down buttons.
- HM-207: Remote control microphone. Same as supplied.



HM-207

■ EXTERNAL SPEAKERS

- SP-35/L: Compact size speaker. SP-35: 2m (6.5ft) cable, SP-35L: 6m (19.6ft) cable.
- SP-30: 4 inch (102.5mm) size external speaker.

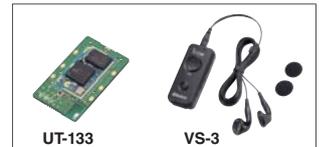


SP-35

SP-30

■ Bluetooth® UNIT & Bluetooth® HEADSET

- UT-133: Bluetooth® unit.
- VS-3: Bluetooth® headset. A USB cable is supplied. UT-133 is required for the main unit.



UT-133

VS-3

■ MOUNTING BASE & CONTROLLER BRACKET

- MBF-1: Suction cup mounting base for the controller. MBA-5 is required.
- MBF-4: Mobile bracket for the main unit.
- MBA-4: Combination bracket for attaching the controller to the main unit. **(New)**
- MBA-5: Controller bracket for use with MBF-1. **(New)**



MBF-1

MBA-5

■ PROGRAMMING SOFTWARE & CABLES

- CS-2730: Free download PC programming software. Allows quick and simple setting. **(New)**
- OPC-478UC: PC programming cable. USB type.
- OPC-474: Transceiver to transceiver cloning cable.

■ EXTENSION CABLES

- OPC-440: 5m (16.4ft) microphone extension cable.
- OPC-647: 2.5m (8.2ft) microphone extension cable.
- OPC-589: Microphone adapter cable. Connection for 8-pin microphone.
- OPC-1156: 3.5m (11.4ft) controller extension cable. A modular connector is supplied.



MBA-4



MBF-4



OPC-1156

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