



## INSTRUCTION MANUAL

DUAL BAND TRANSCEIVER

# IC-2730A IC-2730E



Icom Inc.

Thank you for choosing this Icom product. This product is designed and built with Icom's state of the art technology and craftsmanship. With proper care this product should provide you with years of trouble-free operation.

## EXPLICIT DEFINITIONS

WORD	DEFINITION
<b>⚠ DANGER!</b>	Personal death, serious injury or an explosion may occur.
<b>⚠ WARNING!</b>	Personal injury, fire hazard or electric shock may occur.
<b>CAUTION</b>	Equipment damage may occur.
<b>NOTE</b>	Recommended for optimum use. No risk of personal injury, fire or electric shock.

**About E-marking:**  
Detailed installation notes for Icom mobile transceivers to be fitted into vehicles are available.  
Please contact your Icom dealer or distributor.

Icom is not responsible for the destruction, damage to, or performance of any Icom or non-Icom equipment, if the malfunction is because of:

- Force majeure, including, but not limited to, fires, earthquakes, storms, floods, lightning, other natural disasters, disturbances, riots, war, or radioactive contamination.
- The use of Icom transceivers with any equipment that is not manufactured or approved by Icom.


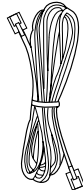
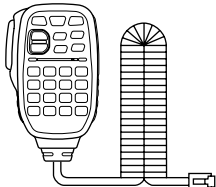


## IMPORTANT

**READ ALL INSTRUCTIONS** carefully and completely before using the transceiver.

**SAVE THIS INSTRUCTION MANUAL—** This instruction manual contains basic operating instructions for the IC-2730A or IC-2730E.

## SUPPLIED ACCESSORIES

The following accessories are supplied with the transceiver.

DC power cable	Controller cable (3.5 m:11.4 ft)	Microphone (HM-207)
		
Spare fuse (FGB 15 A)	Microphone hanger	
		

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## PRECAUTIONS

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⚠ **DANGER HIGH VOLTAGE! NEVER** touch an antenna connector during transmission. This may result in an electrical shock or burn.

⚠ **WARNING RF EXPOSURE!** This transceiver emits Radio Frequency (RF) energy. Extreme caution should be observed when operating this transceiver. If you have any questions regarding RF exposure and safety standards please refer to the Federal Communications Commission Office of Engineering and Technology's report on Evaluating Compliance with FCC Guidelines for Human Radio Frequency Electromagnetic Fields (OET Bulletin 65).

⚠ **WARNING! NEVER** operate the transceiver while driving a vehicle. Safe driving requires your full attention—anything less may result in an accident.

⚠ **WARNING! NEVER** operate the transceiver with an earphone or other audio accessories at high volume levels. Continuous high volume operation may cause a ringing in your ears. If you experience ringing, reduce the volume level or discontinue use.

⚠ **WARNING! NEVER** connect the transceiver to an AC outlet. This may pose a fire hazard or result in an electric shock.

⚠ **WARNING! NEVER** connect the transceiver to a power source of more than 16 V DC such as a 24 V DC. This could cause a fire or damage the transceiver.

⚠ **WARNING! NEVER** reverse the DC power cable polarity when connecting to a power source. This could damage the transceiver.

⚠ **WARNING! NEVER** operate the transceiver during a lightning storm. It may result in an electric shock, cause a fire or damage the transceiver. Always disconnect the power source and antenna before a storm.

⚠ **WARNING! NEVER** cut the DC power cable between the DC plug and fuse holder. If an incorrect connection is made after cutting, the transceiver may be damaged.

⚠ **WARNING! NEVER** let metal, wire or other objects touch any internal part or connectors on the rear panel of the transceiver. This may result in an electric shock or this could cause a fire or damage the transceiver.

⚠ **WARNING! NEVER** operate or touch the transceiver with wet hands. This may result in an electric shock or may damage the transceiver.

⚠ **WARNING!** Immediately turn OFF the transceiver power and remove the power cable if it emits an abnormal odor, sound or smoke. Contact your Icom dealer or distributor for advice.

**CAUTION: NEVER** expose the transceiver to rain, snow or any liquids.

**CAUTION: NEVER** change the internal settings of the transceiver. This may reduce transceiver performance and/or damage to the transceiver.

**CAUTION: NEVER** place the transceiver where normal operation of the vehicle may be hindered or where it could cause bodily injury.

**DO NOT** operate the transceiver near unshielded electrical blasting caps or in an explosive atmosphere.

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## PRECAUTIONS (Continued)

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**DO NOT** push the PTT when not actually desiring to transmit.

**DO NOT** use harsh solvents such as benzine or alcohol to clean the transceiver, as they will damage the transceiver's surfaces. If the transceiver becomes dusty or dirty, wipe it clean with a soft, dry cloth.

**DO NOT** use or place the transceiver in areas with temperatures below  $-10^{\circ}\text{C}$  ( $+14^{\circ}\text{F}$ ) or above  $+60^{\circ}\text{C}$  ( $+140^{\circ}\text{F}$ ). Be aware that temperatures on a vehicle's dashboard can exceed  $+80^{\circ}\text{C}$  ( $+176^{\circ}\text{F}$ ) in direct sunlight, resulting in permanent damage to the transceiver if left there for extended periods.

**DO NOT** place the transceiver in excessively dusty environments or in direct sunlight.

**DO NOT** place the transceiver against walls or putting anything on top of the transceiver. This will obstruct heat dissipation.

Place the transceiver in a secure place to avoid inadvertent use by children.

During mobile operation, **NEVER** place the transceiver where air bag deployment may be obstructed.

During mobile operation, **DO NOT** place the transceiver where hot or cold air blows directly onto it.

During mobile operation, **DO NOT** operate the transceiver without running the vehicle's engine. When the transceiver's power is ON and your vehicle's engine is OFF, the vehicle's battery will soon become exhausted.

Make sure the transceiver power is OFF before starting the vehicle engine. This will avoid possible damage to the transceiver by ignition voltage spikes.

During maritime mobile operation, keep the transceiver and microphone as far away as possible from the magnetic navigation compass to prevent erroneous indications.

**BE CAREFUL!** The rear panel will become hot when operating the transceiver continuously for long periods of time.

Use Icom microphones only (supplied or optional). Other manufacturer's microphones have different pin assignments, and may damage the transceiver.

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## ABOUT CE

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Versions of the IC-2730E which have the "CE" symbol on the product, comply with the essential requirements of the Radio Equipment Directive, 2014/53/EU, and the restriction of the use of certain hazardous substances in electrical and electronic equipment Directive, 2011/65/EU.

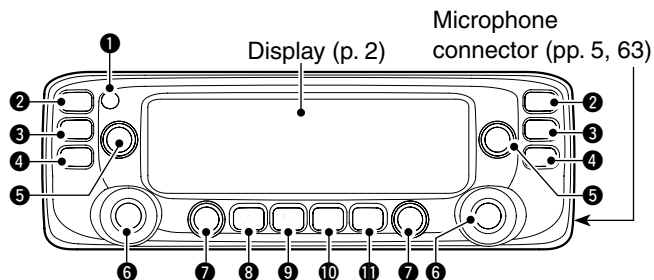
### About the declaration of conformity

Hereby, Icom Inc. declares that the radio equipment type IC-2730E is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:  
<http://www.icom.co.jp/world/support/>

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## ■ Controller — Front panel



### For your reference:

The key-touch beep tones on the left band are different than the tones on the right band. The different tones will let you know which band you are operating on.

### ❶ POWER KEY [⏻] [⏻]

- ➡ Hold down for 1 second to turn power ON or OFF.
- ➡ Push to mute the audio. (p. 27)

### ❷ MAIN•BAND KEY [MAIN BAND]

Push to select the MAIN band. (p. 23)

#### In the VFO mode

Hold down for 1 second to enter the Operating band select mode. (p. 24)

#### In the Memory mode

Hold down for 1 second to enter the Memory bank select mode. (p. 33)

### ❸ VFO/MHz TUNING•SCAN KEY [V/MHz SCAN]

- ➡ Push to select the VFO mode.
- ➡ In the VFO mode, push to select 1 MHz tuning. (p. 24)
- ➡ Hold down for 1 second to display the scan type setting screen. (pp. 41, 43)

### ❹ MEMORY•CALL KEY [MR CALL]

- ➡ In the VFO mode, push to select the Memory mode. (p. 23)
  - ➡ In the Memory mode, push to select the Weather channel mode.\* (p. 23)
- \*Weather channels are selectable in only the USA version.
- ➡ Hold down for 1 second to select the Call channel mode. (p. 23)

### ❺ VOLUME CONTROL (p. 23)

### ❻ TUNING DIAL [DIAL]

#### In the VFO mode

Rotate to select the operating frequency. (pp. 24, 25)

#### In the Memory mode

Rotate to select a Memory channel. (p. 29)

#### While scanning

Rotate to change the scanning direction. (p. 37)

#### In the MENU mode

Rotate to select a desired option or value. (p. 11)

### ❼ SQUELCH CONTROL (p. 25)

Rotate to adjust the squelch level.

## 8 MONITOR•DUPLEX KEY [DUP MONI]

- ➔ Push to turn the Monitor function ON and OFF. (p. 27)
- ➔ Hold down for 1 second to display the duplex direction setting screen. (p. 50)

## 9 OUTPUT POWER•DTMF KEY [LOW DTMF]

- ➔ Push to select the transmit output power level. (p. 26)
- ➔ Hold down for 1 second to enter the DTMF Menu mode. (p. 54)

## 10 MEMORY WRITE KEY [MW]

### In the VFO mode

- ➔ Push to display the Memory write screen. (p. 30)
- ➔ Hold down for 1 second to store the operating frequency into a blank Memory channel. (p. 30)

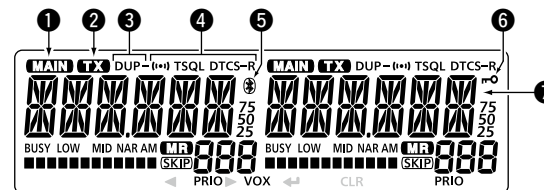
### In the Memory mode

- ➔ Push to display the Memory entry screen. (p. 31)

## 11 MENU LOCK KEY [MENU $\rightarrow$ O]

- ➔ Push to enter the MENU mode.
- ➔ Hold down for 1 second to turn the Lock function ON or OFF.

# Controller — Display



## 1 MAIN ICON

- Displayed on the MAIN band. (p. 23)
- You can transmit on only the MAIN band.
- The MENU mode settings are for the MAIN band.

## 2 TX ICON (p. 26)

- Displayed while transmitting.

## 3 DUPLEX ICON (p. 50)

- Displayed while in the duplex mode.

## 4 TONE ICONS (p. 56)

## 5 Bluetooth® ICON (p. 74)

- Displayed when you make a Bluetooth® connection between your transceiver\* and a Bluetooth® headset.
- \* Requires an optional UT-133/A Bluetooth® UNIT installed.

## 6 KEY LOCK ICON (p. 25)

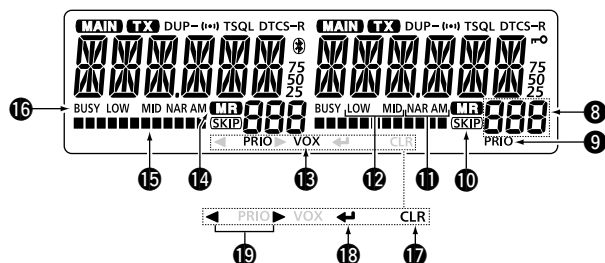
- Displayed when the Lock function is ON.

## 7 FREQUENCY READOUT (pp. 9, 24)

- Displays the operating frequency, MENU item, and so on.

# 1 PANEL DESCRIPTION

## ■ Controller — Display (Continued)



- 8 MEMORY CHANNEL NUMBER** (p. 29)  
Displays the selected Memory channel, Memory Bank, Call channel, or Menu item.
- 9 PRIORITY ICON** (p. 46)  
Displayed when Priority Watch is turned ON.
- 10 SKIP ICON** (p. 42)  
Appears when the displayed Memory channel is specified as a skip channel.
- 11 MODE ICON** (p. 26)  
Displays the operating mode.
- 12 POWER ICON** (p. 26)  
Displays the output power level.
  - "LOW" is displayed when you select low power.
  - "MID" is displayed when you select mid power.
  - No icon is displayed when you select high power.

## **13 VOX ICON** (p. 75)

Displayed when the transceiver is connected to the optional VS-3 Bluetooth® HEADSET, and the VOX function is ON.

## **14 MEMORY MODE ICON** (p. 29)

Displayed while in the Memory mode.

## **15 S/R/F METER**

- ➔ Displays the relative signal strength of the receive signal.
- ➔ Displays the output power level of the transmit signal. (p. 26)

## **16 BUSY ICON**

- ➔ Displayed while a signal is being received, or the squelch is open.
- ➔ Blinks while the Monitor function is activated. (p. 27)

/// The following key icons are displayed in the MENU mode or Memory write screen, and you can push a key that is located below the icon.

## **17 CLEAR KEY [CLR]**

### **In the MENU mode**

Push to return to the previous screen. (p. 9)

### **While entering text**

- ➔ Push to delete the selected character or number. (p. 34)
- ➔ Hold down for 1 second to delete the selected character or number, and all characters that are located to the right of the cursor. (p. 54)



**18 ENTER KEY [↵]**

Push to go to the next tree level or to set the option or value in the MENU mode. (pp. 11, 30)

**19 LEFT/RIGHT KEYS [◀]/[▶]**

**In the MENU mode** (p. 11)

[◀]: Push to go back the previous tree level.

[▶]: Push to go to the next tree level.

**While entering text** (p. 34)

[◀]: Push to move the cursor left.

[▶]: Push to move the cursor right.

Count on us!

#02 EUR

<Intended Country of Use>

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AT

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A-7194H-1EX-③  
Printed in Japan  
© 2014–2017 Icom Inc.  
Printed on recycled paper with soy ink.

Icom Inc.  
1-1-32 Kamiminami, Hirano-ku, Osaka 547-0003, Japan