

ICOM

DUAL BAND FM TRANSCEIVER

IC-3210A (AUSTRALIA/USA VERSIONS)

IC-3210E (EUROPE VERSION)



2 METERS AND 70cm — IN A MOBILE TRANSCEIVER!

TWO BANDS IN ONE RADIO

Icom is proud to present our newest dual band transceivers — IC-3210A and IC-3210E. 2 meters and 70cm in a compact mobile.

FULL DUPLEX CAPABILITY

IC-3210A and IC-3210E have been designed with the most advanced VHF and UHF technology the electronics industry can offer. Simultaneously transmit on one band and receive on the other — and you're operating full duplex! Full duplex makes operating as easy as talking on the telephone.

HIGH OUTPUT POWER: YOU WILL BE HEARD!

Using a custom designed power module as the final amplifier, these transceivers provide your signal with 25W of power on 2 meters and 70cm. You'll never be at a loss to make that repeater.

40 MEMORY CHANNELS FOR YOUR CONVENIENCE

There are 20 double-spaced memory channels for 2 meters and 70cm! Each channel stores a lot of information, such as the operating frequency, offset frequency, etc.

PROGRAMMED SCAN AND MEMORY SCAN

The Programmed Scan function scans all frequencies between two programmable scan edge frequencies. The Memory Scan function scans all memory channels in succession, except those you lock out. Scan all channels; scan just 2 meter channels; or scan just 70cm channels.



POCKET BEEP — NEVER MISS A SKED!

When the UT-40 TONE SQUELCH UNIT (sold separately) is installed, the transceiver functions as a pager. When the frequency of a received tone equals the tone frequency you've set, a 30 second alarm is emitted over the speaker.

MONITOR THE REPEATER INPUT FREQUENCY INSTANTLY

It's so easy to monitor the input frequency when working a repeater. Push the MONITOR switch on the front panel to open the squelch and check the frequency.

PRIORITY WATCH

Every five seconds, Priority Watch monitors the Call Channel, a memory channel or all memory channels in succession — while you operate! You needn't flip back and forth between frequencies. What a convenience!

Icom Inc.

SPECIFICATIONS

■ GENERAL

- Frequency coverage and tuning step increment

VERSION	BAND	FREQUENCY RANGE (MHz)	TUNING STEP INCREMENT (kHz)
IC-3210A (U.S.A. version)	VHF*	Rx 138.00~174.00	5, 10, 15, 20 or 25
		Tx 140.00~150.00	
	UHF	440.00~450.00	
IC-3210A (Australia version)	VHF	144.00~148.00	5, 10, 15, 20 or 25
	UHF	430.00~440.00	
IC-3210E (Europe version)	VHF	144.00~146.00	12.5 or 25
	UHF	430.00~440.00	

* Guaranteed range: 144.00~148.00MHz

- Frequency stability : ± 10 ppm ($-10^{\circ}\text{C}\sim+60^{\circ}\text{C}$; $14^{\circ}\text{F}\sim 140^{\circ}\text{F}$)
- Usable temperature range : $-10^{\circ}\text{C}\sim+60^{\circ}\text{C}$ ($14^{\circ}\text{F}\sim 140^{\circ}\text{F}$)
- Antenna impedance : 50Ω unbalanced
- Power supply requirement : 13.8V DC $\pm 15\%$ (negative ground)
- Current drain :
 - Transmitting
 - HIGH (25W) 7.6A
 - LOW (5W) 3.6A
 - Receiving
 - Max. audio output 900mA
 - Squelched 550mA
- Dimensions : 140(W) \times 50(H) \times 180(D)mm
5.5(W) \times 2.0(H) \times 7.1(D) inches (not including projections)
- Weight : 1.7kg (3.7lbs.)

■ TRANSMITTER

- Output power : HIGH 25W
LOW 5W
- Mode : F3 (FM)
- Modulation system : Variable reactance frequency modulation
- Maximum frequency deviation : ± 5 kHz
- Spurious emissions : More than 60dB below carrier
- Microphone impedance : 600Ω

■ RECEIVER

- Receiving system : Double-conversion superheterodyne
- Intermediate frequencies : 1st 30.875MHz
2nd 455kHz
- Sensitivity : Less than $0.18\mu\text{V}$ for 12dB SINAD
- Selectivity : More than 12.5kHz/ -6 dB
Less than 30.0kHz/ -60 dB
- Spurious response rejection : More than 60dB
- Audio output power : More than 2.4W at 10% distortion with an 8Ω load
- Audio output impedance : 8Ω

All specifications are subject to change without notice or obligation.

OPTIONS

- **AH-32** 144/430MHz DUAL BAND MOBILE ANTENNA
 - **AHB-32** TRUNK MOUNT (for AH-32)
 - **HM-14** DTMF MICROPHONE
 - **HM-16*** SPEAKER-MICROPHONE
 - **HM-17*** SPEAKER-MICROPHONE (with 1750Hz tone call)
 - **HS-15** FLEXIBLE MOBILE MICROPHONE
 - **HS-15SB** SWITCH BOX (for HS-15)
 - **IC-PS30** AC POWER SUPPLY (13.8V, 25A)
 - **PS-45** EXTERNAL POWER SUPPLY (13.8V, 8A)
 - **SM-8** DESK TOP MICROPHONE
 - **SM-10** COMPRESSOR/GRAPHIC EQUALIZER DESK TOP MICROPHONE
 - **SP-8** EXTERNAL SPEAKER
 - **SP-10** EXTERNAL SPEAKER
 - **UT-40** TONE SQUELCH UNIT
 - **WR-200** SWR & POWER METER (1.8~150MHz, 200W max.)
 - **WRC-450** DIRECTIONAL COUPLER (for WR-200, 140~450MHz, 100W max.)
- * Not for full duplex operation.

STANDARD MOUNTING BRACKET 150 AMB10 \$26.00 20210-50

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