

ICOM

VHF AIR BAND TRANSCEIVER

# IC-A3 IC-A3E



## *Smallest in its class with crystal clear audio.*

*This 760 COM channel transceiver is loaded with features, yet simple to operate.*

### **Compact size, simple operation**

Previous portable air band transceivers weren't so "portable." The IC-A3/E ushers in a new era in compact portability (see specifications on reverse side for exact dimensions). But don't let its size fool you, design ingenuity has produced a portable with superior high audio output—audio that's easy to hear even without a headset!

Ergonomic keypad design provides convenient access to all functions and a rotary control allows quick tuning of channels.



Size comparison with a previous Icom air band transceiver.

### **Built-in sidetone function with optional headset**

The sidetone function allows the use of a simple low cost headset adapter to monitor your transmitted audio.

### **Alphanumeric display with large, easy-to-read characters**

6-character alphanumeric notes can be used for convenient display of airport names, call signs, etc. for up to 50 memories. When you want to view frequencies instead, toggling between the two display types is a snap. In addition, lockout information can be programmed into memories for scanning purposes.

### **Receives marine weather channels\***

In addition to operation across the entire air band, the IC-A3 can receive all VHF FM marine weather channels. Tune in to these channels and listen to the latest NOAA weather forecasts and advisories.

\*U.S.A. version only.

### **And more...**

- One-touch selection of the 121.5MHz emergency frequency
- LCD and keypad backlighting for nighttime operation
- Versatile scanning capabilities
- DC connector allows operation with a 12 to 15 V DC power source
- Powerful 5 W of output power (5 W P.E.P. typ., 1.5 W carrier typ.)
- FET power module provides stable operation at high duty cycles
- Rugged die-cast aluminum chassis and polycarbonate casing
- ANL (automatic noise limiter) function to reduce pulse-type noise
- Low battery indicator

Icom Inc.

## SPECIFICATIONS

## GENERAL

- Frequency range (MHz):
  - Tx/Rx 118-136.975
  - Rx 161.65-163.275 (weather channels)\*
- Mode:
  - Tx/Rx AM (6K00A3E)
  - Rx FM (16K0G3E)\*
- Channel spacing: 25 kHz
- Current drain (at 12 V DC, typical):
  - Tx 1.0 A
  - Rx rated audio 240 mA
  - squelched 55 mA
- Useable temperature range:
  - 10°C to +50°C (+14 F to +122 F)
- Frequency stability:
  - ±20 ppm (-10°C to +50°C)
- Intermediate frequencies:
  - 1st 35.8 MHz 2nd 455 kHz
- Weight: 465 g (16.4 oz) w/CM-166 and antenna

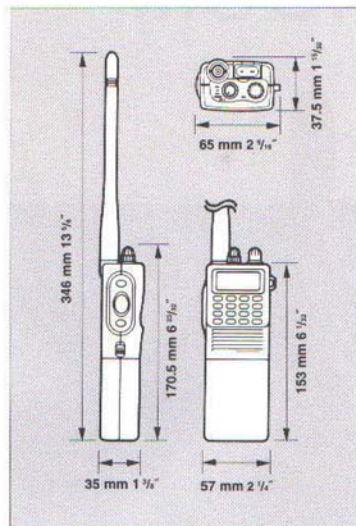
## TRANSMITTER

- Output power:
  - 5.0 W (PEP) 1.5 W (Carrier)
- Modulation system: Low level modulation
- Spurious emissions: Less than -60 dB

## RECEIVER

- Sensitivity (for 6 dB S/N):
  - Less than 1.0 µV
- Squelch sensitivity (at threshold):
  - Less than 1.0 µV
- Selectivity:
  - More than 8 kHz/ -6 dB
  - Less than 25 kHz/ -60 dB
- Noise and hum:
  - More than 25 dB
- Spurious response rejection ratio:
  - More than 60 dB
- Audio output power: 600 mW with an 8 Ω load

\*U.S.A. version only.



All specifications are subject to change without notice or obligation.

## OPTIONS

## ■ BATTERY PACK AND BATTERY CASE

- **CM-166** Ni-Cd BATTERY PACK
- **AD-50** DESKTOP CHARGER ADAPTER + **AD-75** CONNECTION BOARD  
For rapid charging a battery pack. An AC adapter and the AD-75 may be supplied with the charger. Charging time: 1 to 1.5 hrs.
- **BC-121** MULTI-CHARGER  
+ **AD-50** DESKTOP CHARGER ADAPTER + **AD-75** CONNECTION BOARD  
For rapid charging up to 6 batteries simultaneously. An AC adapter may be supplied depending on version. Six AD-50's are necessary. Charging time: 1 to 1.5 hrs.
- **BM-112U/E** WALL CHARGER  
Regularly charges the CM-166 in approx. 15 hrs. Similar to the one supplied with the transceiver.

## ■ CHARGERS AND CABLES

- **BC-119** DESKTOP CHARGER  
+ **AD-50** DESKTOP CHARGER ADAPTER + **AD-75** CONNECTION BOARD
- **BC-121** MULTI-CHARGER  
+ **AD-50** DESKTOP CHARGER ADAPTER + **AD-75** CONNECTION BOARD
- **BM-112U/E** WALL CHARGER

- **CP-17L** CIGARETTE LIGHTER CABLE  
For operation with a 12 V cigarette lighter socket.
- **OPC-515L** DC POWER CABLE  
For operation and charging a 12-15 V DC power supply.

## ■ OTHERS

- **HM-112** SPEAKER-MICROPHONE  
Provides convenient lightweight operation while setting the transceiver in the cockpit or hanging it from your belt, etc.
- **LC-122** CARRYING CASE  
Fits the transceiver with the supplied CM-166.
- **MB-25** MOUNTING BRACKET  
Hang the transceiver via belt clip to a flat surface inside an aircraft.
- **OPC-499** HEADSET ADAPTER CABLE  
Allows you work with most aviation headsets. Provides the side tone function. Some versions already contain this as an accessory.
- **BC-124** AC ADAPTER  
Used for BC-121. Output voltage/current: 12 V/7 A



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Count on us!

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