

ICOM

VHF AIR BAND TRANSCEIVERS

IC-A23 (with VOR navigation)

IC-A5 (without VOR navigation)

*Fly the airwaves with this simple air band transceiver*

#### Compact and water-resistant construction

Measuring only 58(W)×107(H)×28.5(D) mm\*, its palm size is very convenient for carrying on your belt with the supplied belt clip. The IC-A23/IC-A5 has water resistant construction, equivalent to JIS 4 grade, which allows safe operation in rainy conditions.

\* 2<sup>9</sup>/<sub>32</sub>(W)×4<sup>7</sup>/<sub>32</sub>(H)×1<sup>1</sup>/<sub>8</sub>(D) in.

#### VOR navigation\*

The IC-A23 has a VOR navigation function, which indicates the bearing to or from the VOR station. A Course Deviation Indicator shows the deviation between your flying course and the desired course. In CDI mode, the ABSS (Auto Bearing Set System) function allows you to center your flying course in one touch. (\* IC-A23 only)



#### Easy to operate

Well labeled and well spaced keys are easy to operate, even while wearing gloves. The back mounted battery puts the weight of the unit in your palm, allowing a comfortable grip. The wide and large LCD lets you see every readout at a glance.

#### Reversible analog rotary selector and digital Up/Down switches

Volume and channel selection can be controlled by the rotary selector on the top panel, or Up/Down switches on the front. You can change the assignment at your convenience. The volume level and channel number is displayed during adjustment.

#### Voice recording and playback function

Received conversation can be recorded and played back with the built-in voice recorder. Recorded contents can be transmitted and kept even with power off or when the battery is discharged.

#### And more...

- 200 memory channels (20 Ch × 10 banks) with 6 character names
- One touch access to the 121.5 MHz emergency channel
- Large capacity Ni-MH battery pack
- NOAA weather channel and Duplex operation
- Tag scanning and memory bank scanning for checking channels
- ANL (Auto Noise Limiter) for noise reduction
- Low battery alert and backlit keypad



IC-A23

IC-A5

Icom Inc.

## SPECIFICATIONS

## GENERAL

- Frequency range : Tx/Rx 118.000–136.975 MHz  
Rx 108.000–117.975 MHz  
161.650–163.275 MHz
- Mode : Tx/Rx AM (6K0A3E)  
Rx FM (16K0G3E)
- Channel spacing : 25 kHz
- No. of memory Ch. : 20 Channels × 10 banks
- Power supply requirement : 9.6–12.0 V DC (9.6 V standard)
- Current drain : Tx 1.8 A (at max. power)  
(at 13.75 V DC) Rx 500 mA (at max. audio)  
70 mA (at stand-by)
- Operating temp. range : -10°C to +60°C (+14°F to +140°F)
- Frequency stability : ±17 ppm (-10°C to +60°C)
- Dimensions : 58(W)×107(H)×28.5(D) mm  
(projections not included); 2<sup>3</sup>/<sub>32</sub>(W)×4<sup>7</sup>/<sub>32</sub>(H)×1<sup>1</sup>/<sub>8</sub>(D) in
- Weight : 340 g; 12 oz (w/ANT and BP-200L)
- Antenna connector : BNC type

## TRANSMITTER

- Output power : 5.0 W typ. (PEP)  
(at 9.6 V DC) 1.5 W typ. (Carrier)
- Modulation system : Low level modulation
- Modulation limiting : 70–100%
- AF harmonic distortion : Less than 10% (at 60% mod.)
- Hum and Noise ratio : More than 35 dB
- Spurious emissions : Less than -60 dB
- Microphone impedance : 150 Ω

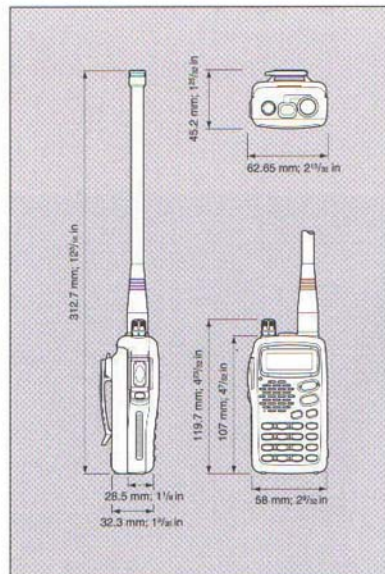
## RECEIVER

- Receiving system : Double conversion super-heterodyne
- Intermediate freq. : 1st 30.05 MHz  
2nd 450 kHz
- Sensitivity : AM Less than 1.0 μV (at 6 dB S/N)  
FM Less than 1.0 μV (at 12 dB SINAD)
- Selectivity : More than 7.5 kHz/-6 dB  
Less than 25 kHz/-60 dB
- Hum and noise ratio : More than 25 dB
- Spurious response rejection ratio : More than 60 dB
- Audio output power : More than 500 mW with an 8 Ω  
(at 9.6 V DC) load
- \* IC-A23 only

## Supplied accessories:

- |                 |                    |                  |
|-----------------|--------------------|------------------|
| With IC-A23     | • Antenna          | • Battery pack*  |
| • Belt clip     | • Headset adapter* | • Carrying case* |
| • Wall charger* |                    |                  |
| With IC-A5      | • Antenna          | • Battery pack*  |
| • Belt clip     |                    |                  |
| • Wall charger* |                    |                  |
- \* depending on version

All specifications are subject to change without notice or obligation.



## OPTIONS

## ■ BATTERY PACK

## ■ BP-200L Ni-MH BATTERY PACK

9.6 V, 760 mAh rechargeable battery pack provides 6 hours of operation (at a duty cycle of 5: 5: 90/Tx: Rx: standby). Same as supplied with the transceiver (not supplied with some versions).

## ■ CHARGERS AND CABLES

## ■ BC-119 DESKTOP CHARGER

## + AD-87 DESKTOP CHARGER ADAPTER + AD-88 CONNECTION BOARD

For rapid charging of a battery pack. An AC adapter and AD-88 may be supplied depending on version. The AD-87 is sold separately. Charging time: 1 to 1.5 hrs.

## ■ BC-121 MULTI-CHARGER

## + AD-87 DESKTOP CHARGER ADAPTER + AD-88 CONNECTION BOARD

For rapid charging of up to 6 batteries simultaneously. Six AD-87's and AD-88's is sold separately. Charging time: 1 to 1.5 hrs.

## ■ BC-124 AC ADAPTER

Used for BC-121. Output voltage/current: 12 V/7 A

## ■ BC-110A/D/V WALL CHARGER

Regularly charges the BP-200L in approx. 15 hrs. Same as supplied with the transceiver.

## ■ CP-12L CIGARETTE LIGHTER CABLE WITH NOISE FILTER

For operation and charging with a 12 V cigarette lighter socket.

## ■ OPC-254L DC POWER CABLE

For operation and charging from a DC power supply.

## ■ OTHERS

## ■ LC-147 CARRYING CASE

Fits the transceiver with the supplied battery pack.

## ■ MB-76 BELT CLIP

Attaches the transceiver to your belt. Same as supplied with the transceiver.

## ■ OPC-967 HEADSET ADAPTER CABLE

Allows you work with most aviation headsets. Provides the side tone function. Some versions already contain this as an accessory.

## ■ FA-B02AR ANTENNA

Same as supplied with the transceiver.



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Certificate Number Q14190



Icom Inc. (Japan), is an ISO9001 certification acquired company.

Your local distributor/dealer: