



VHF AIR BAND TRANSCEIVER

# IC-A4



## Get started with ICOM's IC-A4

*Low cost, light weight, and compact, the IC-A4 provides reliable communications for pilots.*

### Small Size

Small enough to fit into your pocket, truly portable. Only 15 ounces, the IC-A4 measures 2.5" (w) x 5.5" (h) x 1.5" (d).

### Rugged Construction

The one piece, die-cast aluminum chassis and polycarbonate front panel provide the durability needed for reliable operation under the most demanding conditions.

### Truly Portable

The IC-A-4's crisp display is easy to read and shows operating status at a glance. LCD is backlit for nighttime operation. Up/down keys allow you to change channels quickly and easily. Three speeds allow for fast or slow tuning.

### Alpha Memory

The channel name function allows you to assign up to 5-character alpha names to each channel. This provides a convenient way to remember channel contents and to recognize selected channels at a glance.

### Plenty of Features

The IC-A4 transmits and receives on all 760 aviation channels from 118.000 to 136.975 MHz. Nineteen memory channels can be programmed for easy recall. The IC-A4 can transmit in either VFO mode or memory mode and offers two different scan modes: total-band scan and memory scan.

### Multiple Battery Options

- 700 mAh Ni-Cd battery pack (BP-195, supplied) supports six hours of operation.
- An optional 1050 mAh Ni-Cd battery pack (BP-196) supports nine hours of operation.
- Optional desktop charger and adapter (BC-119/AD-81), recharges Ni-Cd batteries in 1.5 to 2 hours.
- Optional alkaline battery case (BP-194) uses eight AA alkaline batteries that operate for 10 to 12 hours.

**Icom Inc.**

## SPECIFICATIONS

## GENERAL

- Frequency range
  - Tx : 118.000–136.975 MHz
  - Rx : 108.000–136.975 MHz
- Mode : 6K00A3E (AM)
- Number of memory channels : 19
- Usable temperature range : -10°C to +50°C, +14°F to +122°F
- Frequency stability : ±10 ppm (0°C to +50°C)
- Power supply requirement : 9.6 V DC ±15% (negative ground)
- Current drain (at 9.6 V DC)
  - Tx max. power : 0.7 A typical
  - Rx max. power : 55 mA typical
  - standby : 230 mA typical
  - max. audio : 300 mA typical
- Antenna connector : BNC (50 Ω)
- Dimensions (projections not included) : 58(W)×140.5(H)×32.3(D) mm  
2<sup>9</sup>/<sub>32</sub>(W)×5<sup>17</sup>/<sub>32</sub>(H)×1<sup>9</sup>/<sub>32</sub>(D) in
- Weight (incl. antenna and battery pack) : 425 g; 15 oz (approx.)

## TRANSMITTER

- Output power (typical) : 3.7 W (PEP)  
1.0 W (CW)
- Modulation system : Low level modulation
- Spurious emissions : Less than -60 dB
- External microphone connector : 3-conductor 2.5 (d) mm (1/16")/150 Ω

## RECEIVER

- Receive system : Double-conversion superheterodyne
- Intermediate frequencies
  - 1st : 28.95 MHz
  - 2nd : 450 kHz
- Sensitivity (at 6 dB S/N) : Less than 1.0 μV (pd)
- Squelch sensitivity : Less than 1.0 μV (pd; THD)
- Selectivity : More than 8 kHz/-6 dB  
Less than 25 kHz/-60 dB
- Spurious response rejection ratio : More than 60 dB
- Audio output power (at 9.6 V DC) : More than 500 mW at 10% distortion with an 8 Ω load
- External SP connector : 3-conductor 3.5 (d) mm (1/8")/8 Ω

## Supplied Accessories:

- Battery pack\*
- Belt clip
- Handstrap
- Wall charger\*
- Antenna

\*Depending on version.

All stated specifications are subject to change without notice or obligations.

## OPTIONS

## BATTERY PACKS AND CASE



\*Ni-Cd cells in BP-194 BATTERY CASE must be purchased separately.

BC-119 DESKTOP CHARGER  
+ AD-81 DESKTOP CHARGER ADAPTER

Rapidly charge battery packs. Cannot be used to charge Ni-Cd cells installed in the BP-194. Both AC and DC can be used to power the charger. The AD-81 must be purchased separately.

BC-121 DESKTOP CHARGER  
+ AD-81 DESKTOP CHARGER ADAPTER (6 pcs.)

For rapid charging up to 6 battery packs. Cannot be used to charge Ni-Cd cells installed in the BP-194. Both AC and DC can be used to power the charger. The AD-81's must be purchased separately.

CP-12/L CIGARETTE LIGHTER CABLE WITH NOISE FILTER  
OPC-254/L DC POWER CABLE

Allows you to charge the connected battery pack (13.5 to 16 V DC required). For charging ONLY—the transceiver cannot be simultaneously operated.

HM-119  
SPEAKER-MICROPHONE

Durable, full-sized speaker-microphone

BC-110A/D/V WALL CHARGER  
Regularly charges battery packs. The same as supplied with some versions.OPC-474 CLONING CABLE  
Used for handheld to handheld data cloning.OPC-752 HEADSET ADAPTER CABLE  
Allows you to work with most aviation headsets. Provides a side tone function. This is supplied with some versions.MB-68 BELT CLIP  
The same as supplied.

Icom Inc. 6-9-16, Kamihigashi, Hirano-ku, Osaka 547, Japan Phone: 06 793 5302 Fax: 06 793 0013

Count on us!

## Icom America Inc.

<Corporate Headquarters>  
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.  
Phone: (425) 454-8155 Fax: (425) 454-1509  
Telex: 152210 ICOM AMER BVUE

<Customer Service>  
Phone: (425) 454-7619

## Icom Canada

A Division of Icom America Inc.  
3071 #5 Road, Unit 9, Richmond, B.C., V6X 2T4, Canada  
Phone: (604) 273-7400 Fax: (604) 273-1900

## Icom (Australia) Pty. Ltd.

A.C.N. 006 092 575  
290-294 Albert Street, Brunswick, Victoria, 3056, Australia  
Phone: 03 9387 0666 Fax: 03 9387 0022

## Icom (Europe) GmbH

Communication Equipment  
Himmelsteiger Str. 100, D-40225 Dusseldorf, Germany  
Phone: 0211 346047 Fax: 0211 333639

## Icom Telecomunicaciones s.l.

"Edificio Can Castanyer" Crta. Gracia a Manresa km. 14,750  
08190 Sant Cugat Del Valles Barcelona, SPAIN  
Phone: (3) 589 46 82 Fax: (3) 589 04 46

## Icom (UK) Ltd.

Unit 9, Sea St., Heme Bay, Kent, CT6 8LD, U.K.  
Phone: 01227 741741 Fax: 01227 741742  
Telex: 317210 BUREAU G

## Icom France Sa

Zac de la Plaine, Rue Brindejoc des Moulins  
BP 5804, 31505 Toulouse Cedex, France  
Phone: 561 36 03 03 Fax: 561 36 03 00  
Telex: 521515 ICOM FRA

Your local distributor/dealer: