



VHF AIR BAND TRANSCEIVER

IC-A200

There's no substitute for *simply the best* when it comes to communications equipment in an aircraft.

Icom's high-quality VHF communications transceiver, the IC-A200 gives you a vital capability and offers the best.

The IC-A200 is —

- Easy to see.
- Simple to operate.
- Durable and compact.

It has —

- Full frequency coverage.
- 9 memory channels.
- Remote control capability.



Icom Inc.

Easy-to-see function display

All important information is provided in extralarge characters for easy viewing, day or night. Effective viewing angle increases side visibility making the IC-A200 easier to read. At all times, the USE and STBY (standby) window frequencies simultaneously appear on a large function display.

Illuminated switches and function display

Switches and the function display are illuminated for night flying. Illumination dims and brightens in synchronicity with the aircraft panel.

Simple to operate

The automatic squelch function eliminates the need to make inconvenient squelch adjustments. All required functions are activated with a minimum number of switches and controls.

2 ways to select the desired frequency**• Direct frequency selection**

A desired frequency can be selected in the USE window directly.

• Indirect frequency selection

Allows you to select a desired frequency in the STBY window. Pushing the [↔] switch exchanges the USE window frequency for the STBY window frequency.

Remote control capability

Memory channel selection and exchanging of the USE and STBY window frequencies can also be accomplished with remote switches. Hence, you can place these switches in the most convenient place.

3 kinds of tuning steps

The transceiver has 2 concentric tuning knobs. The small tuning knob provides 50kHz tuning steps. When the small tuning knob is pulled out, 25kHz tuning steps are selected. The large tuning knob offers 1MHz tuning steps. These features cut down on the time and trouble it takes to tune your transceiver to the desired frequency.

Full frequency coverage

The advanced IC-A200 covers 118.000–136.975 MHz continuously in 25kHz tuning steps. A total 760 communication channels are available.

9 memory channels

For storing ATIS, ground control, tower, company radio, and many other required frequencies, 9 memory channels are included.

Memory protection capability

Once you've chosen the frequencies you want to reside in the IC-A200, you need not worry about losing them. To prevent unwanted changes, your Icom Avionics Dealer can specify any number of memory channels as protected channels.

Durable construction and stable output power

The dependable die-cast body ensures ample heat dissipation and a stable 7W of RF output power. In short, it's made to last in an environment of abrupt temperature variations.

Intercom functions

With additional wiring aboard the aircraft, an intercom function allows you to talk with your crew.

Compact body for easy installation

Measuring just 6.3(W) × 1.3(H) × 10.7(D) in*, the IC-A200 neatly fits the mounting brackets used on most aircraft. Required connectors are also included.

* 160(W) × 34(H) × 271(D) mm

TSO version available

Version 100 has been TSO C37d and C38d approved. This version of the IC-A200 may be used as a primary avionics VHF transceiver.

OPTION**MB-53 MOUNTING BRACKET**

For mounting the IC-A200 to a vehicle. External speaker, SP-5 and microphone, EM-91 are included.

PS-80 POWER SUPPLY

Provides convenient operation of the IC-A200 on the ground. Built-in speaker and microphone, EM-91 included*. (* Not all versions)

Dimensions : 200(W) × 200(H) × 300(D) mm

7.9(W) × 7.9(H) × 11.8(D) in

Output : 13.8V DC/6A

**SPECIFICATIONS****GENERAL**

- Frequency coverage : 118.000–136.975MHz
- Mode : AM (6K00A3E)
- Number of memory channels: 9
- Tuning steps : 25kHz, 50kHz or 1MHz
- Antenna impedance : 50Ω
- Power supply requirement : 13.8V DC ±15% (negative ground)
- Current drain (at 13.8 V DC) : Tx 2.6A
Rx Squelched 320mA
Max. audio output 600mA
- Usable temperature range : -20°C to +55°C
- Frequency stability : ±0.0015% (-20°C to +55°C)
- Dimensions : 160(W)×34(H)×271(D)mm
(projections not included) 6.3(W)×1.3(H)×10.7(D)in
- Weight : 1.1kg; 2.4lb

TRANSMITTER

- Output power : 7W (carrier power)
- Microphone impedance : 600Ω

RECEIVER

- Receive system : Double-conversion superheterodyne
- Intermediate frequencies : 1st 32.455MHz 2nd 455kHz
- Sensitivity : 2μV for 6dB S/N (with 1kHz, 30% mod.)
- Spurious rejection : -80dB
- Audio output power : 5W with a 4Ω load
60mW with a 500Ω load

The IC-A200 has been tested to and passed the MIL-STD requirement and strict environmental standard for shock (MIL-810C, D, E) and vibration (MIL-810C, D, E).

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

Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 URL: <http://www.icom.co.jp/world/index.html>

Count on us!**Icom America Inc.**

2380 116th Avenue NE,
Bellevue, WA 98004, U.S.A.
Phone : +1 (425) 454-8155
Fax : +1 (425) 454-1509
E-mail : sales@icomamerica.com
URL : <http://www.icomamerica.com>

Icom Canada

Glenwood Centre #150-6165 Highway 17,
Delta, B.C., V4K 5B8, Canada
Phone : +1 (604) 952-4266
Fax : +1 (604) 952-0090
E-mail : info@icomcanada.com
URL : <http://www.icomcanada.com>

Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575
Unit 1 / 103 Garden Road,
Clayton VIC 3168 Australia
Phone : +61 (03) 9549 7500
Fax : +61 (03) 9549 7505
E-mail : sales@icom.net.au
URL : <http://www.icom.net.au>

Icom New Zealand

146A Harris Road, East Tamaki,
Auckland, New Zealand
Phone : +64 (09) 274 4062
Fax : +64 (09) 274 4708
E-mail : inquiries@icom.co.nz
URL : <http://www.icom.co.nz>

Icom (Europe) GmbH

Communication Equipment
Himmelgeister Str. 100,
D-40225 Düsseldorf, Germany
Phone : +49 (0211) 346047
Fax : +49 (0211) 333639
E-mail : info@icomeurope.com
URL : <http://www.icomeurope.com>

Icom Spain S.L.

Ctra. de Gracia a Manresa Km. 14,750
08190 Sant Cugat del Valles Barcelona, Spain
Phone : +34 (93) 590 26 70
Fax : +34 (93) 589 04 46
E-mail : icom@icomspain.com
URL : <http://www.icomspain.com>

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay,
Kent, CT6 8LD, U.K.
Phone : +44 (01227) 741741
Fax : +44 (01227) 741742
E-mail : info@icomuk.co.uk
URL : <http://www.icomuk.co.uk>

Icom France S.a

Zac de la Plaine, 1,
Rue Brindejonc des Moulinais BP 5804,
31505 Toulouse Cedex, France
Phone : +33 (5) 61 36 03 03
Fax : +33 (5) 61 36 03 00
E-mail : icom@icom-france.com
URL : <http://www.icom-france.com>

Icom Polska

Sopot, 3 maja 54, Poland
Phone : +48 (58) 550 7135
Fax : +48 (58) 551 0484
E-mail : icompolska@icompolska.com.pl
URL : <http://www.icompolska.com.pl>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone : +886 (02) 2559 1899
Fax : +886 (02) 2559 1874
E-mail : sales@asia-icom.com
URL : <http://www.asia-icom.com>

Beijing Icom Ltd.

10C07, Long Silver Mansion, No.88, Yong Ding
Road, Haidian District, Beijing, 100039, China
Phone : +86 (010) 5889 5391/5392/5393
Fax : +86 (010) 5889 5395
E-mail : bjicom@bjicom.com
URL : <http://www.bjicom.com>



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Your local distributor/dealer: