



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.

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