

ICOM

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 extra-large 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 50 kHz tuning steps. When the small tuning knob is pulled out, 25 kHz tuning steps are selected. The large tuning knob offers 1 MHz 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 25 kHz tuning steps. A total of 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 7 W 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

OPTION**PS-80 DC POWER SUPPLY**

Designed for quick and easy installation and removal of the IC-A200, the PS-80 has a built-in speaker and a microphone*. Provides convenient operation of the IC-A200 on the ground.

* Some versions do not come with a microphone.

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

7.9(W) × 7.9(H) × 11.8(D) in

Output : 13.8 V DC/6 A

**SPECIFICATIONS****GENERAL**

- Frequency coverage : 118.000–136.975 MHz
- Mode : AM (6K00A3E)
- Number of memory channels : 9
- Tuning steps : 25 kHz, 50 kHz or 1 MHz
- Antenna impedance : 50 Ω
- Power supply requirement : 13.8 V DC ±15% (negative ground)
- Current drain (at 13.8 V DC) :

Transmit		2.6 A
	Squelched	320 mA
Receive	Max. audio output	600 mA

- Usable temperature range : -20°C—+55°C
- Frequency stability : ±0.0015% (-20°C—+55°C)
- Dimensions : 160(W) × 34(H) × 271(D) mm
6.3(W) × 1.3(H) × 10.7(D) in
(projections not included)
- Weight : 1.1 kg; 2.4 lb

TRANSMITTER

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

RECEIVER

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

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

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