



VHF AIR BAND TRANSCEIVER

IC-A210



Innovative airband that's easier to install and see in more places

Large, bright OLED display

A fixed mount VHF airband first! The IC-A210 has an organic light emitting diode (OLED) display. The OLED display emits light by itself and the display offers many advantages in brightness, vividness, high contrast, wide viewing angle and response time compared to a conventional display. In addition, the auto dimmer function adjusts the display for optimum brightness at day or night.



Operating information is clearly shown on the OLED display.

Easy channel selection

It's fast and easy to select any of memory channels in the IC-A210. The "flip-flop" arrow button switches between main and stand-by channels. The dualwatch function allows you to monitor two channels simultaneously. In addition, the auto stack memory stores the last 10 channels used and allows you to recall those channels easily.

GPS memory function

When connected to an external GPS receiver* equipped with an airport frequency database, the frequency data such as nearby airports can be transferred and made available in the IC-A210.

* Ask your dealer for available GPS receiver details.



Installation example

12V/24V DC power source

The built-in DC-DC converter accepts a 12/24V DC power source. The IC-A210 is easily installed in most airplanes or vehicles.

Intercom functions

The IC-A210 has a built-in voice activated intercom function allowing the pilot to talk with the copilot via the headset. The IC-A210 has adjustable audio level and squelch control functions.

Easy installation

The IC-A210 neatly fits inside the common mounting brackets used on most airplanes including Icom's IC-A200. Two types of rear-panel adapters* are included, allowing for streamlined plug-in connectivity.

* Depending on version. Ask your dealer for compatible panel mount radio details.

Other features

- TSO version planned (Pending as of September 2008)
- 10 regular memory channels with a 6-character channel name
- 200 group memory channels (20 Ch × 10 banks) with a channel tag
- NOAA weather channel receive (USA version only)
- One touch access to 121.5MHz emergency frequency
- Side tone function for monitoring your voice with headset
- ANL (Automatic noise limiter) function reduces pulse type noise
- Remote control capability
- Time-out-timer
- VFO scan
- PC programming capability
- Dial lock and panel lock
- Squelch test function

SPECIFICATIONS**GENERAL**

- Frequency coverage :
 - Tx/Rx : 118.000–136.975MHz
 - Rx WX channels : 161.650–163.275MHz* (* USA version only.)
- Frequency spacing : 25kHz
- Mode : AM (6K00A3E)
- Frequency stability : ±5ppm
- Operating temperature : -20°C to +55°C
- Antenna impedance : 50Ω
- No. of memory channels : 10 regular memory, 200 group memory, 10 GPS, 10 weather*, 10 auto stack memory (* USA version only)

- Power supply requirement : 13.8/27.5V DC (Negative ground)
- Dimensions (W×H×D) : 160×34×271 mm (Projections not included) 6⁵/₁₆×1¹¹/₃₂×10²¹/₃₂ in
- Weight (approx.) : 1.0kg; 2.2lb

TRANSMITTER

- Output power : 8W typical (Carrier power)
- Spurious emission : -60dBc
- Modulation limiting : 70% (Max. 98%)
- Microphone impedance : 600Ω

Measurements made in accordance with RTCA DO-186B for USA version. All stated specifications are and subject to change without notice or obligation.

RECEIVER

- Intermediate frequencies: 1st 38.85MHz
2nd 450kHz
- Sensitivity AM : Less than 2μV at 6dB S/N
- Selectivity : 6dB ±3kHz
60dB ±22kHz
- Spurious rejection : More than 74dBμ
- Audio output power : 5W with a 4Ω load
60mW with a 500Ω load

Supplied Accessories (* Depending on version)

- Mounting bracket kit
- Rear panel adapter, MB-113*

OPTIONS**MB-53 MOUNTING BRACKET**

For mounting the IC-A210 to a vehicle. External speaker (SP-5) and microphone (HM-176) are included.

PS-80 POWER SUPPLY

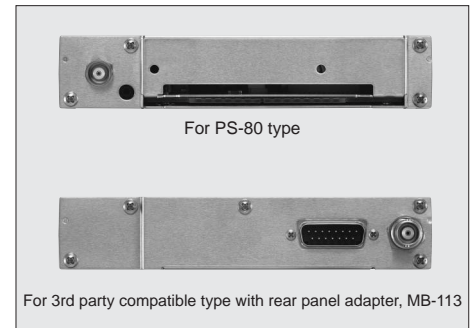
Provides convenient ground-based IC-A210 operations. Includes built-in speaker and an HM-176* microphone. (* Depending on version)

- 200(W) × 200(H) × 300(D) mm
- 13.8V DC/6A output

MB-113 REAR PANEL ADAPTER

MB-113 : REAR PANEL ADAPTER
For installation into a D-sub 15-pin connection system equipment.

HM-176 : HAND MICROPHONE
Same as supplied with MB-53 and PS-80. For use with MB-53 or PS-80.

REAR PANEL VIEW

For PS-80 type

For 3rd party compatible type with rear panel adapter, MB-113

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