



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 air planes 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 air planes 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

- 10 regular memory channels with a 6-character channel name
- 200 group memory channels (20 Ch x 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 8.33kHz spacing 118.000-136.992MHz
  - 25kHz spacing 118.000-136.975MHz
  - Rx WX channels 161.650-163.275MHz\*
- Frequency spacing : 8.33kHz/25kHz
- Mode : AM (6K00A3E, 5K60A3E)
- Frequency stability : ±5ppm
- Operating temperature : -20°C to +55°C
- Antenna impedance : 50Ω
- No. of memory channels : 10 regular, 200 group, 10 GPS, 10 weather\*, 10 auto stack memory
- Power supply requirement : 13.8/27.5V DC (Negative ground)
- Dimensions (W×H×D) : 160×34×271 mm (Projections not included)
- Weight (approx.) : 1.0kg; 2.2lb

### TRANSMITTER

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

### RECEIVER

- Intermediate frequencies: 1st 38.85MHz  
2nd 450kHz
- Sensitivity AM (6dB S/N) : Less than 2μV
- Selectivity 6dB : ±3kHz/±2.778kHz  
60dB : ±22kHz/±7.37kHz (25kHz/8.33kHz spacing)
- Spurious rejection : More than 74dBμ
- Audio output power : 5W with a 4Ω load  
60mW with a 500Ω load

(\* USA version only.)

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

### Applicable U.S. Military Specifications

The IC-A210 has been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810 F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Humidity	507.4	-
Vibration	514.5	I
Shock	516.5	I

Also meets equivalent MIL-STD-810-C, -D and -E.

### 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) x 200(H) x 300(D) mm
- 13.8V DC/6A output

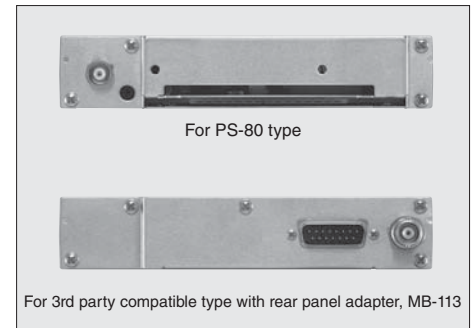
### MB-113 REAR PANEL ADAPTER



**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



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