



VHF AIR BAND TRANSCEIVER

# IC-A210E



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

### Large, bright OLED display

A fixed mount VHF airband first! The IC-A210E 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-A210E. 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-A210E.

\* 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-A210E is easily installed in most airplanes.

**Intercom functions**

The IC-A210E has a built-in voice activated intercom function allowing the pilot to talk with the copilot via the headset. The IC-A210E has adjustable audio level and squelch control functions.

**Easy installation**

The IC-A210E 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.

\* Ask your dealer for compatible panel mount radio details.

**8.33kHz channel spacing**

In addition to the widely used 25kHz channel spacing, IC-A210E is also compatible with 8.33kHz channel spacing.

**Other features**

- 10 regular memory channels with a 6-character channel name
- 200 group memory channels (20 Ch×10 banks) with a channel tag
- 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
- PC programming capability
- Dial lock and panel lock
- Squelch test function

**SPECIFICATIONS****GENERAL**

- Frequency coverage : 118.000–136.975MHz
- Frequency spacing : 25kHz, 8.33kHz
- Frequency stability : ±1ppm (0°C to +40°C)
- Operating temperature : -20°C to +55°C
- Antenna impedance : 50Ω
- Number of memory channels : 10 regular memory, 200 group memory, 10 GPS, 10 auto stack (history) 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

Measurements made in accordance with ETSI EN300-676 for Europe version. All stated specifications are and subject to change without notice or obligation.

**TRANSMITTER**

- Output power : 6W typical (Carrier power)
- Spurious emission :
  - Harmonics : -36dBm (30MHz–1GHz)
  - Except harmonics : -46dBm (30MHz–1GHz)
- Modulation : 85% (Max. 95%)

**RECEIVER**

- Intermediate frequencies : 1st 38.85MHz, 2nd 450kHz
- Sensitivity AM : -101dBm at 12dB SINAD
- Selectivity :
  - 8.33kHz ch. spacing : 6dB ±2.8kHz
  - 25kHz ch. spacing : 6dB ±8.5kHz
- Spurious rejection : More than 70dB
- Audio output power :
  - External SP : 5W with a 4Ω load
  - Headphone : 60mW with a 500Ω load

**Applicable U.S. Military Specifications**

The IC-A210E 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**

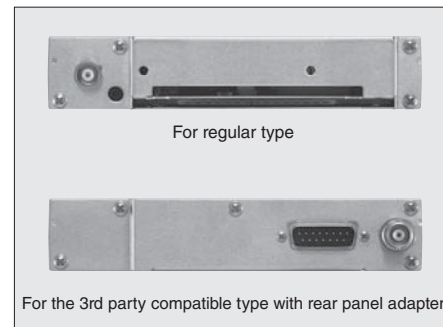
For mounting the IC-A210E. External speaker (SP-35) and microphone (HM-176) are included.

**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.

**REAR PANEL VIEW**

Use of the IC-A210E in aircraft requires the appropriate authorization from the respective authorities in each country. Please ask your local Icom dealer for details. Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in the United States, the United Kingdom, Germany, France, Spain, Russia, Japan and/or other countries.

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