

# IC-A210E

*Easy-to-use, Vehicle Panel-Mount Transceiver with 25kHz/8.33kHz Dual Channel Spacing!*



The IC-A210E is a new ground-to-air, panel-mount transceiver with the capability to work on both 8.33kHz and 25kHz channel spacing frequencies! It succeeds the already popular IC-A200 as the best fitment in ground support vehicles within the aviation industry.

- **25kHz/8.33kHz dual channel spacing**

In addition to the widely used 25kHz channel spacing, IC-A210E is also compatible with 8.33kHz channel spacing. With this dual compatibility there is an increase in the number of channels available.

- **Large, bright OLED display**

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.

- **Easy channel selection**

Selecting memory channels in the IC-A210E is fast, easy and efficient. The 'flip-flop' arrow button switches between main and stand-by channels. The dual-watch function allows you to monitor two channels simultaneously. In addition, the history memory stores the last 10 channels used and allows you to recall those channels easily.

- **12V/24V DC power source**

The built-in DC-DC converter accepts a 12/24V DC power source. The IC-A210E can be easily installed and adapted to most vehicles.

- **Easy installation**

The IC-A210E is the same size as ICOM's previous panel mount, IC-A200. This means it can be interchanged with most predecessor radios now ending their life. Two types of rear-panel adaptors are included, allowing you to replace it without soldering.

- **Other features**

- 10 regular memory channels with a 6-character channel name
- 200 group memory channels (20 channel banks) with a channel tag
- 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:        | 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<br>200 group memory<br>10 GPS, 10 auto-stack (history) memory |
| Power supply requirement:  | 13.8/27.5V.DC<br>(Negative ground)                                              |
| Dimensions (WxHxD):        | 160 x 34 x 271mm                                                                |
| Weight (approx):           | 1.0kg.                                                                          |

## TRANSMITTER

|                                  |                     |
|----------------------------------|---------------------|
| Output power:<br>(Carrier power) | 6W typical          |
| Spurious emissions:              |                     |
| Harmonics:                       | -36dBm (30MHz~1GHz) |
| Except harmonics:                | -46dBm (30MHz~1GHz) |
| Modulation:                      | 85% (Max 95%)       |

## RECEIVER

|                                  |                              |
|----------------------------------|------------------------------|
| Intermediate frequencies:        | 1st: 38.85MHz<br>2nd: 450kHz |
| Sensitivity AM:<br>at 12dB SINAD | -101dBm                      |
| 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        |

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

## OPTIONS

## MB-53 MOUNTING BRACKET

For mounting the IC-A210E. SP-5 external speaker and HM-176 are included.



## MB-113 REAR PANEL ADAPTOR

For installation into D-sub, 15-pin connection system equipment.



## SUPPLIED ACCESSORIES

Mounting bracket kit and rear panel adaptor.

## HM-176 HAND MICROPHONE

Same as supplied with MB-53

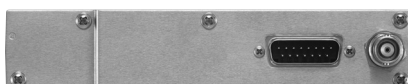


## REAR PANEL VIEWS

For regular type



For 3rd Party compatible type with rear panel adaptor



## Applicable U.S. Military Specifications and IP Rating.

The IC-A210E has been tested to and passed the following MIL-STD requirements and strict environmental standards.

## MIL-810G

| Standard          | 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         |

IC-A210E also meets equivalent MIL-STD-810-C, D and E.

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