



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*
 - 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, 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) 6⁷/₁₆×1¹¹/₃₂×210²¹/₃₂ in
 - Weight (approx.) : 1.0kg; 2.2lb
- (* USA version only.)

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 : 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

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

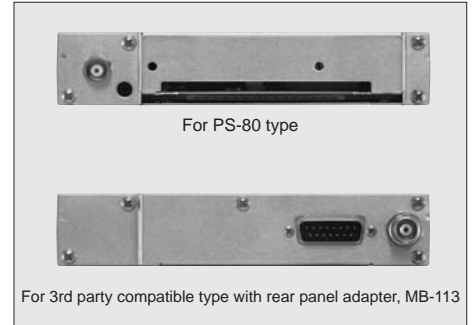
MB-113 REAR PANEL ADAPTER



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



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Icom Inc.

1-1-32, Kami-minami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

www.icom.co.jp/world

Count on us!

Icom America Inc.

2380 116th Avenue NE,
Bellevue, WA 98004, U.S.A.
Phone : +1 (425) 454-8155
Fax : +1 (425) 454-1509
E-mail : sales@icomamerica.com
URL : <http://www.icomamerica.com>

Icom Canada

Glenwood Centre #150-6165 Highway 17,
Delta, B.C., V4K 5B8, Canada
Phone : +1 (604) 952-4266
Fax : +1 (604) 952-0090
E-mail : info@icomcanada.com
URL : <http://www.icomcanada.com>

Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,
Clayton, VIC 3168 Australia
Phone : +61 (03) 9549 7500
Fax : +61 (03) 9549 7505
E-mail : sales@icom.net.au
URL : <http://www.icom.net.au>

Icom New Zealand

146A Harris Road, East Tamaki,
Auckland, New Zealand
Phone : +64 (09) 274 4062
Fax : +64 (09) 274 4708
E-mail : inquiries@icom.co.nz
URL : <http://www.icom.co.nz>

Icom (Europe) GmbH

Communication Equipment
Auf der Krautweide 24
65812 Bad Soden am Taunus, Germany
Phone : +49 (6196) 76685-0
Fax : +49 (6196) 76685-50
E-mail : info@icom-europe.com
URL : <http://www.icomeurope.com>

Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"
Bajos A 08174, Sant Cugat del Valles,
Barcelona, Spain
Phone : +34 (93) 590 26 70
Fax : +34 (93) 589 04 46
E-mail : icom@icomspain.com
URL : <http://www.icomspain.com>

Icom (UK) Ltd.

Blacksole House, Altira Park,
Herne Bay, Kent, CT6 6GZ, U.K.
Phone : +44 (01227) 741741
Fax : +44 (01227) 741742
E-mail : info@icomuk.co.uk
URL : <http://www.icomuk.co.uk>

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejonc des Moulinais, BP 45804,
31505 Toulouse Cedex 5, France
Phone : +33 (5) 61 36 03 03
Fax : +33 (5) 61 36 03 00
E-mail : icom@icom-france.com
URL : <http://www.icom-france.com>

Icom Polska

81-850 Sopot, ul. 3 Maja 54, Poland
Phone : +48 (58) 550 7135
Fax : +48 (58) 551 0484
E-mail : icompolska@icompolska.com.pl
URL : <http://www.icompolska.com.pl>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone : +886 (02) 2559 1899
Fax : +886 (02) 2559 1874
E-mail : sales@asia-icom.com
URL : <http://www.asia-icom.com>

Beijing Icom Ltd.

10C07, Long Silver Mansion, No.88, Yong Ding
Road, Haidian District, Beijing, 100039, China
Phone : +86 (010) 5889 5391/5392/5393
Fax : +86 (010) 5889 5395
E-mail : bjicom@bjicom.com
URL : <http://www.bjicom.com>

Your local distributor/dealer: