SPECIFICATIONS

	IC-A25NE	IC-A25CE
GENERAL		
NAV and COM	NAV and COM channels	COM channels
Frequency range	Tx: 118.000–136.992 MHz Rx: 108.000–136.992 MHz	Tx/Rx: 118.000–136.992 MHz
Number of memory channels	300 channels/15 groups	
Channel spacing	25/8.33 kHz	
Type of emission	6K00A3E, 5K60A3E	
Power supply requirement	7.2 V DC (BP-288), 11.0 V DC (External DC Jack)	
Current drain (approximately) Tx High Rx Max. audio/Stand-by	 Less than 1.8 A Less than 500 mA/90 mA typ. (GPS, Bluetooth®, Light: OFF)	
Antenna impedance	50 Ω	
Operating temperature range	–20°C to +55°C	
Dimensions (W×H×D) (Projections not included)	58.9 × 148.4 × 31.8 mm	
Weight (approximately)	384 g (with antenna and BP-288)	
TRANSMITTER		
Output power (at 7.2 V DC)	6.0/1.8 W typ. (PEP/carrier)	
Audio harmonic distortion	Less than 10% (at 90% modulation)	
Harmonics Spurious emissions	Less than –36 dBm (except operating frequency ±1 MHz)	
Frequency stability	±1 ppm	
RECEIVER		
Intermediate frequencies	46.35 MHz/450 kHz (1st/2nd)	
Sensitivity NAV (6 dB S/N) COM (12 dB SINAD)	 Less than 0 dBμ Less than 0 dBμ (with CCITT filter)	
Squelch sensitivity (at threshold)	Less than 0 dBμ	
Adjacent channel rejection	More than 60 dB	
Spurious response	More than 70 dB	
Ham and noise	More than 40 dB (at 90% modulation)	
Audio output power	More than 350 mW (8 Ω load/60% modulation at 10% distortion)	
Ext. speaker connector	3-conductor 3.5 (d) mm (1/8″)/8 Ω	

Measurements made in accordance with EN300 676-2.
All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I–C
Solar Radiation	505.5	I
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	–
Dust Blowing	510.5	I
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

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

Ingress Protection Standard	
Dust and Water	IP57 (Dust-protection and Waterproof* protection) * One meter depth for 30 minutes.

Supplied accessories: (* May differ, depending on the radio version.)
- BP-288 battery pack
- BP-289 battery case
- BC-224 rapid charger
- BC-123SE/SV AC adapter for BC-224*
- OPC-2379 headset adapter
- FA-B02AR antenna
- MB-133 belt clip
- Hand strap

OPTIONS

BATTERY PACK AND CASE

BP-288
Li-ion 7.2 V
2200 mAh (min.)
2350 mAh (typ.).
Waterproof

BP-289
Battery case
6 × LR6 (AA).
Water resistance

RAPID CHARGER

BC-123S* **BC-224**
Charges the BP-288 in approximately 3 hours.

CIGARETTE LIGHTER CABLE

CP-20
To operate from a 12 or 24 V DC power source socket.

* SE for Europe version. SV for Australia version.

SPEAKER MICROPHONE

HM-231
Waterproof

BELT CLIP

MB-133

LEATHER BELT HANGERS

MB-96N Swivel type.
MB-96F Fixed type.
MB-96FL Long type.

Bluetooth® HEADSET

VS-3
The side tone function when connected to radio.

HEADSET ADAPTER CABLE

OPC-2379

PROGRAMMING CABLE

OPC-478UC
USB type. OPC-2144 plug adapter cable required.

ANTENNA
- **FA-B02AR** : Same as supplied.

APPLICATION/SOFTWARE
- **RS-AERO1A***1 : Android™ application software for flight planning.
- **RS-AERO1I***2 : iOS™ application software for flight planning.
- **CS-A25** : Programming software for Windows® PC.

*1 The application for Android™ can be downloaded free from Google Play™.
*2 The application for iOS™ can be download free from App Store.

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ICOM

IC-A25NE
IC-A25CE

VHF AIR BAND TRANSCEIVERS

Icom's Next Generation Air Band Radio with Built-in GPS and Bluetooth®

IC-A25NE
(NAV & COM channels)
Day mode screen

IC-A25CE
(COM channels)
Night mode screen

Redefining VHF Airband Communication from the Ground Up

General Functions

6 Watts High RF Output Power

For expanded communication coverage, output power has been increased to approximately 6 W typical (PEP)/ 1.8 W typical (carrier) compared to the IC-A24E (5/1.5 W PEP/carrier).

Easy-to-use Interface

Often used functions are assigned to the keypad and you can directly access a desired function. The enlarged flat sheet keypad offers smooth and swift operation.

After pushing the [F] key, you can directly access a function printed on the keypad in orange

* Photo is of the IC-A25NE.

2.3 inch Large High Visibility LCD

The 2.3 inch large, high contrast and highly visible LCD displays user-friendly, graphic screens and ensures good readability under direct sunlight. The operating frequency in large characters can be recognized at a glance. In addition, the night mode option enables easy viewing in low light conditions.

Menu screen

Night mode screen

"Flip-Flop" Channel Recall

The IC-A25NE/CE stores the last 10 channels used. You can easily recall those channels by using the directional keys, the channel knob or the keypad. This is convenient for switching between several channels, such as NAV and COM channels. In addition, you can freely edit (replace, delete and change order) the stored recall channels.

Recall channel screen

Built-in Bluetooth® for Hands-Free Operation (IC-A25NE)

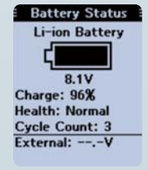
A third-party wireless Bluetooth® headset, like a 3M™ Peltor™ WS™ 5*, provides convenient hands-free operation. Also, by using the optional VS-3 Bluetooth® headset, the side tone function can be used.

* Compatibility not guaranteed.

Intelligent Battery with Detailed Battery Status

The supplied BP-288, 2350 mAh typical intelligent battery pack, provides up to 10.5 hours* of operating time. You can check the condition of the battery pack in the battery status screen. This is very useful for optimum charging and battery health maintenance.

* Typical operation with Tx : Rx (Max.audio): standby=5:5:90. (Bluetooth® OFF, GPS ON)



Detailed battery information screen

Other Features

•IP57 dust-protection and waterproof construction •Operate with six AA size alkaline batteries with the BP-289 battery case •BNC antenna •121.5 MHz emergency key •Priority watch •VFO scan, memory channel scan, priority scan •ANL (Auto Noise Limiter) for noise reduction •Side tone function enables you to hear your own voice from an external aviation headset •Internal VOX capability •300 memory channels (in 15 memory groups) with 12 character names •8.33 kHz channel spacing

Navigation Functions*
(for the IC-A25NE)

VOR Navigation Functions

The CDI (Course Deviation Indicator) is detailed like a real VOR instrument, and displays any deviation from your course.

The OBS (Omni Bearing Selector) enables you to change course from the original flight plan.

The TO-FROM indicator shows the position relationship between your aircraft and the course selected by the OBS.

The ABSS (Automatic Bearing Set System) function enables you to set the current course as a new course in two simple steps.

VOR screen

Near Station Search Function

The near station search function assists you in accessing nearby ground stations. The function searches for nearby stations using the station memories that have GPS position information. To use the near station search function, location data and frequencies of the ground stations must be programmed.

Near station search function screen

Built-in GPS Receiver with Simplified Waypoint NAV

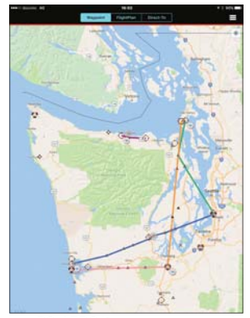
The simplified waypoint NAV guides you to a destination by using current position information from GPS (also GLONASS and SBAS). The waypoint NAV has two functions: Direct-To NAV and Flight Plan NAV. Up to 10 flight plans and 300 waypoints can be memorized in the IC-A25NE.

Waypoint NAV screen

Flight Plan with Android™ /iOS™ App

Using the RS-AERO1A (Android) or RS-AERO1I (iOS) application, you can make flight plans on an Android/iOS device and import the plan into the IC-A25NE via Bluetooth®.

The following four functions are available: create a flight plan, set Direct-To NAV, display flight plan information and display waypoint information.



RS-AERO1I map screen example

* Additional certification may be required for some countries. Enquire with your local authority for details.

VHF AIR BAND TRANSCEIVERS

IC-A25NE (NAV & COM channels)

IC-A25CE (COM channels)