



Icom A24 & A6 VHF Air Band Transceivers



ICOM®

The IC-A24/A6 has a completely renewed style with a large LCD and speaker. It offers simple operation by way of a minimum of practical functions. With its stylish design and reliable performance, the IC-A24/A6 series is a fitting successor to the award winning IC-A23/A5.

FEATURES:

- Durable, stylish body
- New channel recall function
- Variety of battery packs and case
(Compatible with Icom F series battery pack/case)
- Simultaneous operating and charging from external power source
- VOR navigation function (IC-A24 only)
- Dedicated 121.5MHz Emergency key
(Programmed with 121.5MHz homing frequency)
- Water resistant, equivalent to IPX4
- 200 alphanumeric memory channels with memory banks
- Side Tone function
- ANL function

DETAILS:

Durable Stylish Body: The IC-A24/A6 design has incorporated the size and durability of the IC-A22/A3 and retains the basic user friendly interface users loved about the IC-A23/A5. The large LCD, large speaker and easy-to-use panel layout makes it a rank above the rest. On the side of the radio, it has a non-slip slit to prevent accidental dropping.

Large Alphanumeric LCD: For the function display, a 6-character 14-segment alphanumeric LCD is employed to make a variety of information visually recognizable immediately. An automatic LCD backlight is standard for night time operation.

Channel recall function: New for the IC-A24/A6, this function automatically memorized the last 10 used channels. You can easily recall those channels by pushing the recall buttons on the front panel. It is very convenient for switching between several channels at a time, such as NAV channels and COM channels etc.

Icom F Series Battery Packs & Case: The IC-A24/A6 shares the same battery packs and case with the popular land mobile radios IC-F11, F3G, F30G series. Variety of battery types, Ni-Cd, Ni-MH, Li-Ion are optionally selectable. The BP-208N, battery case is available with 6 AA (LR6) alkaline cells as a backup battery source.

Simultaneous Operation & Charging From External Power Source: The IC-A24/A6 has an external DC power jack for operation with the AC adapter, BC-110, the optional lighter cable with DC-DC converter, CP-20. When battery pack is installed to the radio, it is also simultaneously charged during operation. An external 11.0V DC power source is acceptable.



Dedicated 121.5MHz Emergency Key: A dedicated red emergency key programmed with a 121.5MHz homing frequency is equipped to give you extra confidence in the event of an emergency.

VOR Navigation Function: The IC-A24 has VOR navigation functions. The DVOR mode shows the radial to (or from) a VOR station and the CDI mode shows the course deviation to (or from) a VOR station. You can also input your intended radial to (or from) a VOR station and show the course deviation on the display. In the USA version, the duplex operation allows you to call a COM channel such as a flight service station etc., while receiving a VOR station.

Large 200 Memory Channel Capacity With Memory Banks: A total of 200 memory channels can be named with a 6-character channel name for easy recognition. By grouping these channels into 10 memory banks, quick and easy operation is possible. The optional PC cloning software, CS-A24 allows you quick and easy memory management from your PC.

Water Resistant, Equivalent To IPX4: The water resistant construction provides reliable operation in wet conditions.

Side Tone Function: The side tone function allows you to hear your own voice via a headset. By monitoring your own voice, this function eliminates unnecessary shouting on a noisy runway. Side tone level is adjustable from the transceiver. (Optional OPC-499 Headset Adapter Cable and external aviation headset are required.)

Variety Of Scanning Functions: The COM band scan checks all of the busy COM band channels, and the memory scan checks the tagged memory channels. Weather channel scan is also possible.

Other Functions:

- NOAA Weather Channels
- 5W (PEP) Output Power
- Low Battery Indication & Over Voltage Alert
- BNC Type Antenna Connector
- Keypad Backlighting
- ANL (Auto Noise Limiter) reduces noise components

SPECIFICATIONS:

GENERAL:

- Frequency Range:

Transmit IC-A24/A6	118-000-136.975MHz
Receive IC-A24	108-000-136.975MHz
IC-A6	118-000-136.975MHz
WX	161.650-163.275MHz
- Channel Spacing 25 kHz
- Mode AM (6K00A3E)
16K0G3E (WX Channels)
- No. of Memory Channels 200 Channels / 10 banks
- Antenna Impedance 50Ω Nominal (BNC type)

- Power Supply Requirement 7.4/7.2V DC battery pack
11.0V DC external DC Jack
- Current Drain @7.2V DC

Transmit	1.5A typ.
Receive AF Max.	300mA typ.
Stand-by	70mA typ.
- Operating Temp. Range -10°C to +60°C
14°F to +140°F
- Dimensions (HxWxD) 129.3x54x35.5 mm
(projections not included) 5-3/32x2-1/8x1-13/32 in.
- Weight (approx.) 430g; 15.2oz
(with antenna & BP-210N)

TRANSMITTER:

- Output Power @ 7.2V 5.0W typ. PEP
1.5W typ. CW
- Modulation System Low Level Modulation
- Modulation Limiting 70-100%
- Audio Harmonic Distortion Less than 10% @ 60% mod
- Hum and Noise Ratio More than 35dB
- Spurious Emissions More than 46dB
(Except operating Frequency ±62.5kHz point)
- Frequency Stability ±5ppm (room temp)
- Microphone Impedance More than 100KΩ

RECEIVER:

- Intermediate Frequency: 1st 30.05MHz
2nd 450kHz
- Sensitivity (typical)

NAV AM 6dB S/N	Less than 0.71μV
COM AM 6dB S/N	Less than 0.5μV
WX FM 12dB SINAD	Less than 0.22μV
- Threshold Squelch Sensitivity

AM	Less than 1μV
FM	Less than 0.45μV
- Selectivity

	More than 7.5kHz/6dB
	Less than 25kHz/60dB
- Spurious Response

AM	More than 60dB
FM	More than 30dB
- Audio Output Power More than 500mW
(8Ω load 10% dist. 30% mod.)
- Hum and Noise More than 40dB @
30% mod

