

 ICOM

144 MHz FM TRANSCEIVER

IC-V3500

Go Farther Away Get Louder Audio



RF Output
65 W

65 Watts Output for Long Range Communication

Modern White Display and Simple Operation

4.5 Watts Loud and Clear Audio

Instant Volume Loud and Mute Function

Emergency Call and Alarm Functions

65 W Powerful RF Output Power

The IC-V3500 is a rugged 2 m mobile transceiver providing powerful 65 W* of output power. Its large heatsink keeps RF output even while continuous transmission.

* Output power differs depending on version and specific regulatory requirements.

Modern White Display and Simple Operation

While the IC-V3500 retains a simple user interface despite additional function updates for an easy to use radio. The white LCD backlight offers a better readability suitable for mobile operation. The bottom of the display indicates the available functions of the front panel buttons directly below the display.

4.5 W Loud and Clear Audio Output

The IC-V3500 provides class leading 4.5 W loud audio from the built-in speaker. By improving the frequency response of the speaker and increasing opening slits, the voice is clearly audible and easy to hear.

Instant Volume Loud and Mute Functions

You can temporary change the volume to a preset level with a simple operation. It can be used as One-touch mute function by preset volume to zero.

Emergency Call and Alert Functions

In the case of an emergency, the emergency call function alternatively sends an emergency beep and hot microphone audio to let the receiver to know that an emergency has occurred. At the same time, an emergency alarm sounds from the IC-V3500 speaker to notify the people around you of your existence and situation.

Countermeasures against Counterfeit Products



The "3D GENUINE Icom label" and "QR Code Genuineness Determination System" are attached for proof of authentication.

https://www.icomjapan.com/explore/genuine_info/

And More...

- A total of 207 memory channels with 6 character channel name
- Dynamic bank link scan function scans all memory channels in the selected banks
- Built-in CTCSS and DTCS encoder/decoder
- Up to 16 DTMF autodial memory channels
- Tough construction to pass the MIL-STD 810 G specifications
- Weather channel receive and weather alert function (USA version only)
- Free download PC programming software, CS-V3500 (https://www.icomjapan.com/support/firmware_driver/)
- Auto repeater function (USA version only) • Priority watch function
- Wide/narrow channel setting • Power supply voltage display
- Most of functions are programmable from remote-control microphone

SPECIFICATIONS

GENERAL		
Frequency coverage		
	Version	Transmit
	USA	144-148 MHz
	TPE, KOR	144-146 MHz
	THA	144-147 MHz
		Receive
		136-174 MHz*
		144-146 MHz
		144-147 MHz
* Guaranteed range TX/RX: 144-148 MHz.		
Number of channels	207 channels (including 1 call and 6 scan edges)	
Type of emission	F2D, F3E (FM)	
Frequency stability	±3 ppm	
Power supply requirement	13.8 V DC ±15%	
Current drain (approximate)		
Tx 65 W	11 A	
Rx Max. audio/Stand-by	1.5 A/0.4 A	
Antenna impedance	50 Ω (SO-239)	
Operating temperature range	-10°C to +60°C; 14°F to +140°F	
Dimensions (W × H × D; Projections not included)	140 × 40 × 118 mm; 5.5 × 1.6 × 4.6 in	
Weight (approximate)	1.1 kg; 2.4 lb	

TRANSMITTER		
Output power (13.8 V DC)		
	Version	Output power
	USA	65 W, 25 W, 10 W, 5 W
	TPE	24 W, 10 W, 5 W
	KOR	50 W, 25 W, 10 W, 5 W
	THA	60 W, 25 W, 10 W, 5 W
Max. frequency deviation	±5.0 kHz/±2.5 kHz (W/N)	
Spurious emissions	Less than -60 dBc	
Microphone impedance	600 Ω (8-pin modular)	

RECEIVER		
Sensitivity (at 12 dB SINAD)	Less than 0.18 μV	
Selectivity	Wide	More than 6 kHz (at 6 dB) Less than 14 kHz (at 60 dB)
	Narrow	More than 3 kHz (at 6 dB) Less than 9 kHz (at 55 dB)
Spurious response	More than 60 dB	
Audio output power	4.5 W typ. (10% dist., 4 Ω load)	
External speaker connector	2-conductor 3.5 (d) mm (1/8")/4 Ω	

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
Vibration	514.6	I
Shock	516.6	I, IV

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

Supplied Accessories (* Depending on version)	
• Remote control Mic, HM-133V	• Mounting bracket kit
• Microphone hanger*	• DC power cable
	• Spare fuse

OPTIONAL ACCESSORIES

Some options may not be available in some countries. Please ask your dealer for details.

HAND MICROPHONES	MIC EXTENSION CABLE	MICROPHONE ADAPTER	EXTERNAL SPEAKER	OTHER ACCESSORIES
<p>HM-133V Same as supplied.</p> <p>HM-154 Simple hand microphone</p> <p>HM-209 Active noise canceling</p>	<p>OPC-440A 5 m, 16.4 ft</p>	<p>OPC-589 8-pin Microphone</p>	<p>SP-35: 2 m, 6.6 ft cable SP-35L: 6 m, 19.7 ft cable</p>	<ul style="list-style-type: none"> • CS-V3500 Programming software for Windows™ PC • OPC-478UC/-1 Programming cable (USB) • OPC-474 Transceiver to transceiver programming cable • OPC-1132, OPC-345 (3 m, 9.8 ft) • OPC-347 (7 m, 23 ft) DC power cable

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