

 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 Functions

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. The output power level is selectable in four steps and the selected power is displayed.

* 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 temporarily change the volume to a preset level with a simple operation. It can be used as a 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

OPTIONAL ACCESSORIES

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

HAND MICROPHONES

HM-133V
Same as supplied.



HM-154
Simple hand microphone



HM-209
Active noise canceling



MIC EXTENSION CABLE



MICROPHONE ADAPTER



EXTERNAL SPEAKER



OTHER ACCESSORIES

- **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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Your local distributor/dealer:

SPECIFICATIONS

GENERAL			
Frequency coverage			
	Version	Transmit	Receive
	USA	144-148 MHz	136-174 MHz*
	TPE, KOR	144-146 MHz	144-146 MHz
	THA	144-147 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		

Output power (13.8 V DC)

RECEIVER		
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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