

SPECIFICATIONS

Frequency coverage	TX	FM/FM-N/DV: 144.000 ~ 146.000 MHz, 430.000 ~ 440.000 MHz
	RX	FM/FM-N/DV: 137.000 ~ 174.000 MHz, 225.000 ~ 550.000 MHz* * 225.000 ~ 399.995 MHz is supported by only FM/FM-N.
		AM/AM-N: 118.000 ~ 143.995 MHz, 225.000 ~ 399.995 MHz
	TX/RX guaranteed range	FM/FM-N /DV: 144.000 ~ 146.000 MHz, 430.000 ~ 440.000 MHz
Type of emission		F1D/F2D/F3E/F7W
Mode		FM/FM-N/DV/AM/AM-N
Operating temperature range		-10°C ~ +60°C
Frequency stability		±2.5 ppm (-10°C ~ +60°C)
Antenna impedance		50 Ω
Number of memory channels		1000 memory channels, 100 skip channels, 4 call channels (2 x 2 bands), 2500 repeater list channels, 300 callsign list channels, 300 GPS memory channels, and 50 sets of programing scan edge
Current drain	RX Stand-by	1.2 A
	Max. audio TX	1.8 A (dualwatch reception, external sp 8 Ω, max. AF output)
		13.0 A
Dimensions (W × H × D, projections not included)	Main unit	150.0 × 40.0 × 171.5 mm
	Controller	163.0 × 83.5 × 24.1 mm
Weight (approx.)	Main unit	1.28 kg
	Controller	0.26 kg
Output power		50 W/15 W/5 W
Modulation system	FM, FM-N	FM reactance modulation
	DV	GMSK reactance modulation
Max. frequency deviation		Less than ±5.0 kHz (FM), Less than ±2.5 kHz (FM-N)
Spurious emissions		Less than -60 dBc
Microphone impedance		600 Ω

Receiver system		Double conversion superheterodyne	
Intermediate frequencies	A band	1st IF: 58.05 MHz/2nd IF: 450 kHz	
	B band	1st IF: 57.15 MHz/2nd IF: 450 kHz	
Sensitivity	FM/FM-N (12 dB SINAD)	Less than -15 dBμ	
	DV (1 % BER)	Less than -15 dBμ	
Receiver sensitivity	FM/FM-N (12 dB SINAD)	137.000 ~ 143.995 MHz	Less than -10 dBμ
		144.000 ~ 159.995 MHz	Less than -10 dBμ
		160.000 ~ 174.000 MHz	Less than 0 dBμ
		225.000 ~ 249.995 MHz	Less than 0 dBμ
		250.000 ~ 299.995 MHz	Less than -10 dBμ
		300.000 ~ 374.995 MHz	Less than 0 dBμ
	AM (10 dB S/N)	375.000 ~ 399.995 MHz	Less than 0 dBμ
		400.000 ~ 499.995 MHz	Less than -10 dBμ
		500.000 ~ 550.000 MHz	Less than -5 dBμ
		118.000 ~ 136.995 MHz	Less than 0 dBμ
		137.000 ~ 143.995 MHz	Less than 0 dBμ
		225.000 ~ 249.995 MHz	Less than 10 dBμ
Squelch sensitivity	FM	Less than -18 dBμ (Threshold)	
	FM-N	More than 60 dB	
Selectivity	FM-N	More than 55 dB	
	DV	More than 50 dB	
Spurious and image rejections		More than 60 dB	
Audio output power		More than 2.0 W (8 Ω, 10 % distortion)	
AF Output Impedance		8 Ω	

All stated specifications are subject to change without notice and obligation.

OPTIONS

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



HM-198 HM-207 Full key type HM-209 Active noise canceling HM-232 Same as supplied



HM-249 Hands free microphone OPC-2500 2 m



SP-30 External speaker



SP-35 2 m cable SP-35L 6 m cable



MBF-1 Suction cup type mounting base MBA-20 is required separately.



MBA-20 Controller bracket Same as supplied for USA version



MBF-4 Mounting bracket for mounting the main unit



MBF-11 Controller bracket for docking with the main unit



MBA-19 Controller bracket for desktop use



OPC-440 5 m OPC-647 2.5 m



OPC-589 For use with an 8-pin microphone



OPC-2350LU USB cable for connection with an Android™ device or a PC.

OTHER OPTIONS

- OPC-2480: USB Type-A/USB Type-C™ Data cable
- CS-5200: Programming software
- RS-MS1A: Remote control application for Android™
- RS-MS1I: Remote control application for iOS™
- RS-MS3A: Terminal/Access point mode application for Android™
- RS-MS3I: Terminal/Access point mode application for iOS™
- RS-MS3W: Terminal/Access point mode application for Windows™ PC

- ST-4001A: Picture utility software for Android™
- ST-4001I: Picture utility software for iOS™
- ST-4001W: Picture utility software for Windows™ PC
- ST-4002A: GPS utility software for Android™ OPC-2350UL is required separately.
- * Applications for Android™ can be freely downloaded on Google Play™.
- Applications for iOS™ can be freely downloaded from the App Store.
- Software for Windows™ PC can be freely downloaded from the Icom website.

■ Front view of the main unit



- 1 microSD card slot
- 2 USB port (USB Type-C™)
- 3 Controller connector
- 4 Microphone connector

■ Rear view of the main unit



- 5 Antenna connector
- 6 DATA jack
- 7 SP1 (external speaker) jack
- 8 SP2 (external speaker) jack

Icom and the Icom logo are registered trademarks of Icom Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia, Australia, New Zealand, and/or other countries. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Icom Inc. is under license. Android and Google Play are registered trademarks or trademarks of Google LLC. IOS is a trademark or a registered trademark of Cisco in the U.S. and other countries and is used under license. App Store is a service mark of Apple Inc. Windows is a trademark of the Microsoft group of companies. USB TYPE-C is a trademark of USB Implementers Forum. Wi-Fi is a registered trademark of Wi-Fi Alliance®. All other trademarks are the properties of their respective holders. D-STAR (Digital Smart Technology for Amateur Radio) is a digital radio protocol developed by JARL (Japan Amateur Radio League). Bluetooth® connection has not been tested for all Bluetooth® compatible devices with this product. This does not guarantee that all devices will work with this product.

Les spécifications et informations données dans ce document peuvent être modifiées sans préavis.

Icom France s.a.s.

Zac de la Plaine - 1, Rue Brindejonc des Moulinais
BP 45804 - 31505 TOULOUSE CEDEX 5
Tél : +33 (0)5 61 36 03 03 - Fax : +33 (0)5 61 36 03 00
WEB ICOM : <http://www.icomfrance.com>
E-mail : icom@icomfrance.com

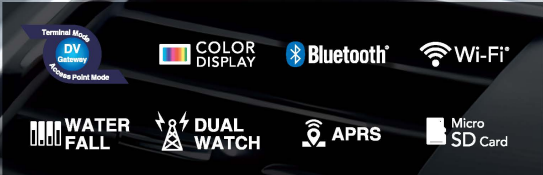


Flash code

DISTRIBUTEUR AGRÉÉ ICOM :

ICOM

Speed Through Brilliance
into the New Era



*The photo includes optional accessories.

D-STAR



*The photo includes optional accessories.

Large High-Visibility Touchscreen

The ID-5200E features the same large 4.3-inch color display used in the IC-705 and IC-7300MK2. The touchscreen interface allows quick and intuitive access to settings such as frequency, mode, and other key functions. Furthermore, it is equipped with an automatic dimming function that adjusts the LCD backlight to the optimal brightness according to ambient light levels, as well as a key backlight that makes key operation easier at night or in dark environments. Visibility is greatly improved, allowing you to check a wide range of information more quickly.

* The in-vehicle installation example uses the Mount Base MBF-1 <optional> and Controller Bracket MBA-20.

Independent Dual-band Dials for Superior Operability

The main dial, along with the volume and squelch controls, is arranged in a symmetrical layout for smooth and intuitive operation, including tuning and other frequently used functions. In addition, commonly accessed menus, functions, and quick settings are assigned to physical keys, ensuring fast and effortless operation.

Waterfall Display for At-a-Glance Band Conditions

The ID-5200E is the first mobile transceiver to incorporate both a band scope and a waterfall display. The band scope provides detailed information on signal activity, band conditions, and available frequencies. The waterfall display further enhances visibility by allowing you to review received signal history over time and easily identify weak signals. Display modes include Center mode, FIX mode, and FIX Scroll mode, giving you flexible options to suit your operating style.

Memory Scope Function

The memory scope function displays the reception status of 31 channels (the selected channel ± 15) or 41 channels (± 20) simultaneously in Memory mode or DR mode. In addition to the scope view, a waterfall display is also supported.*

* The memory scope operates in Center mode only.

Dualwatch including DV/DV

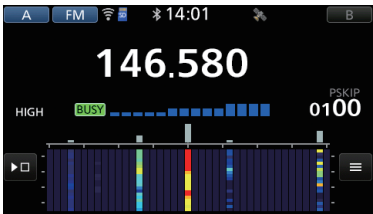
The receiver section features independent and identical receiving circuits for both MAIN and SUB. It supports full dualwatch including not only FM/FM and FM/DV, but also DV/DV. It is possible to operate with FM/DV (Terminal Mode) and listen to audio from 2 frequencies/modes simultaneously. This enables operations such as receiving from 2 D-STAR repeaters simultaneously, or monitoring another repeater while engaged while in communication.



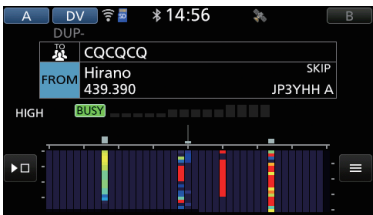
Touch operation image



Independent dual-band dials



Center mode image



Memory scope image



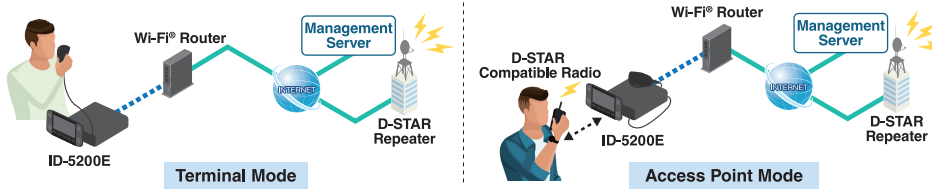
DV/DV mode image

Enhanced D-STAR Functionality, Including Terminal Mode and Access Point Mode

Terminal Mode and Access Point Mode

Even from locations where you cannot access a repeater, you can connect to the internet via Wi-Fi® to communicate over D-STAR. You can enjoy D-STAR without being affected by the availability or location of the nearest repeater. In addition, even in environments where a global IP address is not assigned, standby operation in Terminal Mode/Access Point Mode is possible*. These features enable easier and more flexible D-STAR operation.

*Reception of all calls is not guaranteed. In environments where a global IP address is assigned and port forwarding is available, please set UDP Hole Punch to OFF. Depending on repeaters, Terminal Mode or Access Point Mode may not be supported.



APRS* (Automatic Packet Reporting System)

The ID-5200E will support APRS*, a communication protocol that utilizes packet radio to transmit and receive real-time information such as location data, messages, and weather reports. The built-in KISS mode TNC has been implemented since the first production run, enabling APRS operation from a PC.

*Planned for support in a future firmware update



APRS image

Supports Versatile Reception

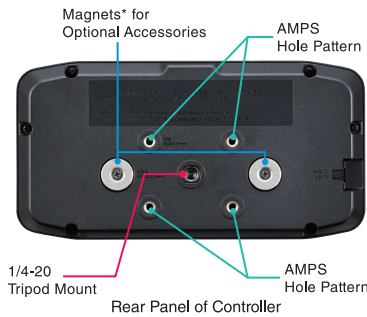
In addition to VHF, the radio supports Airband reception in the UHF range (225 ~ 400 MHz). Simultaneous dual-band reception of V/V, U/U, and V/U combinations is also available in the Airband. You can enjoy not only communication, but also a wide variety of reception.



V/U Airband reception display image

Flexible Mounting Options in the Vehicle

Using optional accessories such as the MBA-20 controller bracket and the MBF-1 mount base, the unit can be securely installed in a vehicle. A wide range of additional mounting options is also available, including brackets for docking the main unit and brackets for desktop placement. Furthermore, the device supports AMPS-pattern mounting holes and standard 1/4-inch camera tripod screws, allowing flexible installation methods to suit various in-vehicle environments.



*The magnets are included with the optional brackets MBA-19, MBA-20, and MBF-11.

DV Repeater Monitor Function

The DV Repeater Monitor lets you check activity on the destination repeater during Area CQ via D-STAR. By accessing the repeater used to broadcast the area CQ via the Internet and actively monitoring the situation, you can determine when an ongoing communication has ended. Monitoring works with domestic and overseas repeaters, and reception from the nearest repeater always takes priority so you will never miss calls to your own station.

Image transmission and reception

The ID-5200E allows to send, receive, and view stored images using only the main unit. Photos taken with a smartphone can be transferred to the ID-5200E via built-in Wi-Fi® or Bluetooth® connectivity.

An Advanced High-precision GPS (GNSS) Receiver

Equipped with a GPS (GNSS) receiver compatible with "Michibiki," enabling sub-meter high-precision positioning. It displays highly accurate own-station position information and transmits location data, delivering strong performance in APRS and D-PRS. It also offers features such as automatic position response, GPS logging, and automatic listing of nearby repeaters.

*The positioning accuracy of latitude/longitude/altitude may vary depending on signal reception conditions.

Connectivity with Wi-Fi®/Bluetooth®

The ID-5200E supports connectivity via Wi-Fi® (with built-in access point functionality) and Bluetooth®. Using Wi-Fi® to access the Internet enables smoother operation in both Terminal Mode and Access Point Mode. It can also connect wirelessly to a smartphone, making it convenient when using image-trimming apps and similar tools. In addition, pairing with Bluetooth® headsets provides more comfortable operation.



Wi-Fi® connection image

Other Features

- Compatible with the Optional HM-209 Active Noise-canceling Microphone
- Extensive memory capabilities
- USB Type-C™ connectivity is available for use with PCs and smartphones.
- Built-in microSD card slot for storing transmission/reception logs and voice recordings
- Convenient memory management functions, including direct CSV data import
- Speech function for frequency, receive mode, and call sign announcements
- Alarm function for incoming calls to your own station

VHF/UHF DUAL BAND DIGITAL TRANSCEIVER

ID-5200E

