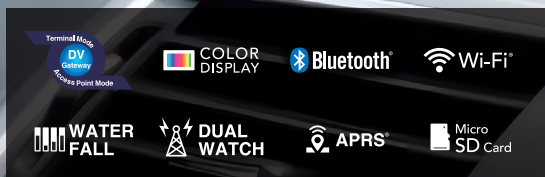




VHF/UHF DUAL BAND DIGITAL TRANSCEIVER
ID-5200A

*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-5200A 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.



Touch operation image

Independent Dual-band Dials for Superior Operability

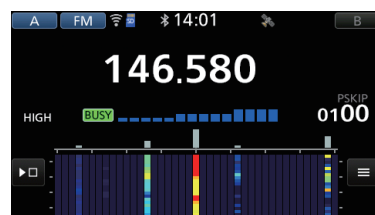
The main dial, along with the volume and squelch controls, is arranged in a symmetrical layout for smooth and intuitive operation, including tuning and other frequently used functions. In addition, commonly accessed menus, functions, and quick settings are assigned to physical keys, ensuring fast and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



Independent dual-band dials

Waterfall Display for At-a-Glance Band Conditions

The ID-5200A 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.

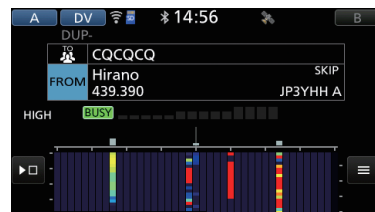


Center mode image

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.*

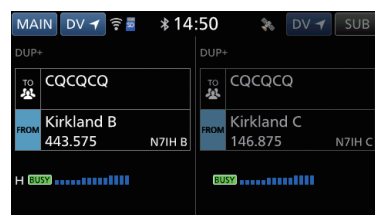
* The memory scope operates in Center mode only.



Memory scope image

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.



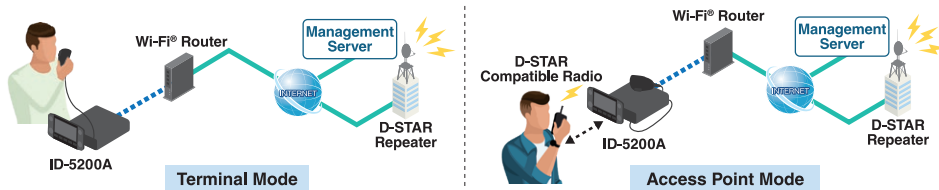
DV/DV mode image

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.



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

APRS®* (Automatic Packet Reporting System)

The ID-5200A 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.

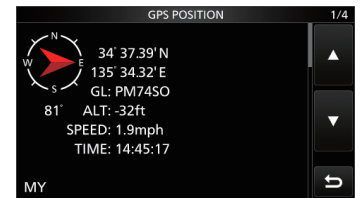


APRS® image

*Planned for support in a future firmware update

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.

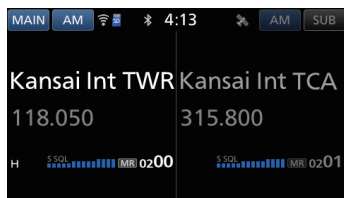


Own position information image

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

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

Connectivity with Wi-Fi®/Bluetooth®

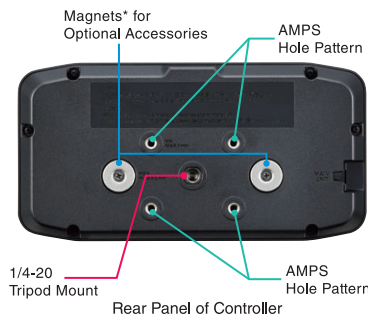
The ID-5200A supports connectivity via Wi-Fi® (with built-in access point functionality) and Bluetooth®. Using Wi-Fi® to access the Internet enables smoother operation in both Terminal Mode and Access Point Mode. It can also connect wirelessly to a smartphone, making it convenient when using image-trimming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



Wi-Fi® connection image

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. MBA-19 supplied with ID-5200A USA version.

■ 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-5200A



SPECIFICATIONS

GENERAL		
Frequency coverage	TX	FM/FM-N/DV: 144.000 ~ 148.000 MHz, 430.000 ~ 450.000 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 ~ 148.000 MHz, 430.000 ~ 450.000 MHz
Type of emission	F1D/F2D/F3E/F7W	
Mode	FM/FM-N/DV/AM/AM-N	
Operating temperature range	-10°C ~ +60°C, 14°F ~ 140°F	
Frequency stability	±2.5 ppm (-10°C ~ +60°C, 14°F ~ 140°F)	
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)
	TX	13.0 A
Dimensions (W x H x D, projections not included)	Main unit	150.0 x 40.0 x 171.5 mm, 5.9 x 1.57 x 6.75 inches
	Controller	163.0 x 83.5 x 24.1 mm, 6.4 x 3.28 x 0.95 inches
Weight (approx.)	Main unit	1.28 kg, 4.5 oz
	Controller	0.26 kg, 9.1 oz
TRANSMITTER		
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		
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
		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
	AM (10 dB S/N)	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
		250.000 ~ 299.995 MHz Less than 0 dBμ
		300.000 ~ 374.995 MHz Less than 10 dBμ
		375.000 ~ 399.995 MHz Less than 10 dBμ
Squelch sensitivity	Less than -18 dBμ (Threshold)	
Selectivity	FM	More than 60 dB
	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

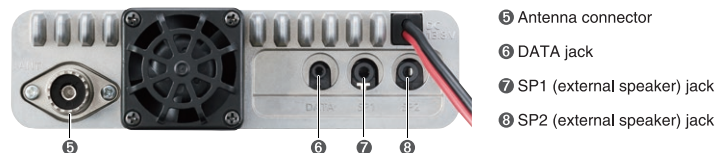
Some options may not be available in some countries. Please ask your dealer for details.

HAND MICROPHONES				HANDS FREE MICROPHONE & EXTENSION CABLE		EXTERNAL SPEAKERS		
								
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, 6.56 ft	SP-30 External speaker	SP-35 2 m, 6.6 ft cable	SP-35L 6 m, 19.7 ft cable
MOUNTING BASE & BRACKET					MICROPHONE EXTENSION CABLES		MICROPHONE ADAPTER 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, 16.4 ft	OPC-647 2.5 m, 8.2 ft	OPC-589 For use with an 8-pin microphone	
DATA COMMUNICATION CABLES		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.						
OPC-2350LU USB cable for connection with an Android™ device or a PC.								

■ Front view of the main unit



■ Rear view of the main unit



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