

BP-273 LR6 (AA)

SPECIFICATIONS

GENERAL					
Frequency	Version	Transmit	Receiver	Broadcast band	
coverage	ID-50A	144~148, 430~450*	(A) 108~174, 375~479*	88.00~108.00	
(Unit: MHz)	#15 USA		(B) 137~174, 375~479*		
			uaranteed Range:* 144~1	48, 440~450 MHz	
Type of emission		F2D, F3E, F7W			
Modes		DV, FM, FM-N, WFM, AM, AM-N (WFM, AM and AM-N are Rx only)			
Number of memory channels		500 memory channels, 4 call channels, 25 scan edges, 100			
		skip channels, 500 broadcast stations, 2500 repeater lists, 300 call signs, and 300 GPS memories			
Frequency resolution		5.0/6.25/8.33/10/12.5/15/20/25/30/50/100/125/200 kHz			
Operating temperature range		-20°C ~ + 60°C; -4°F ~ + 140°F			
Frequency stability		±2.5 ppm (–20°C ~ +60°C on the basis of 25°C)			
Antenna impedance		50 Ω (SMA)			
Power supply requirement	Battery pack	7.4 V DC (with BP-271/BP-272)			
	Alkaline cells	5.5 V DC (with BP-273)			
	External DC	10.0 ~ 16.0 V DC			
Current drain (at 7.4 V DC)	Tx high	Less than 2.5 A			
	Rx AF max.	Less than 400 mA (FM, FM-N) (8 Ω),			
		Less than 450 mA (DV) (8 Ω)			
Dimensions (W \times H \times D)		$58.0 \times 111.0 \times 27.9$ mm, $2.3 \times 4.4 \times 1.2$ in (Projections are not included)			
Weight (approx.)		300 g, 10.6 oz (with BP-272 & antenna)			
TRANSMITT	ER				
Modulation	DV	GMSK reactance modulation			
system	FM, FM-N	FM reactance modu	lation		
Output power		5 W, 2.5 W, 1.0 W, 0.5 W, 0.1 W(High, Mid, Low2, Low1, S-low)			
Spurious emissions		Less than -60 dBc (High, Mid), Less than -13 dBm (Low2, Low1, S-low)			
Max. frequency deviation		Less than ±5.0/2.5 kHz (FM/FM-N)			
Ext. Mic impedance		2.2 kΩ			
RECEIVER					
Sensitivity	DV	Less than 0.2 µV (a	t 1% BER)		
•	FM, FM-N	Less than 0.18 µV (at 12 dB SINAD)			
Selectivity	,	More than 50 dB (DV, FM-N), more than 55 dB (FM)			
Spurious rejection		More than 60 dB			
Audio output Internal SP		More than 750 mW (8 Ω load)			
power	External SP	More than 200 mW (8 Ω load)			
Receiver se		pt amateur bands.)	(0 12 10 110)		
Theceiver sensitivity (exce		Frequency range	FM/FM-N/WFM	AM/AM-N	
		(Unit: MHz)	(12 dB SINAD)	(10 dB S/N)	
BC band (WFM)		88.000~108.000	Less than 1 μV	-	
A band		108.000~136.991	-	Less than 1 μV	
		137.000~142.000	Less than 0.18 µV	Less than 1 µV	
		142.005~148.000	Less than 0.18 μV	-	
		148.005~174.000	Less than 0.32 μV	-	
		375.000~399.995	Less than 0.5 μV	_	
		400.000~479.000	Less than 0.32 µV	_	
B band		137.000~142.000	Less than 0.18 µV	_	
		142.005~148.000	Less than 0.18 µV		
		148.005~174.000	Less than 0.32 µV	_	
		375.000~399.995	Less than 0.5 µV	ļ	
		400.000~479.000	Less than 0.32 µV	<u>-</u>	
			2000 παπ 0.02 μν		

All stated specifications are subject to change without notice or obligation

	Battery pack, BP-272

^{*} Supplied accessories may differ depending on the transceiver version.

OPTIONAL ACCESSORIES

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





BC-123S is supplied with the BC-202IP2.





*1 BC-123SA for USA plug, SE for Europe plug. *2 BC-258A for USA plug, E for Europe plug, V for Australia plug.
*3 BC-167SA for USA plug, SD for Europe plug, SV for Australia plug.

BC-258°2













APPLICATION SOFTWARE

•RS-MS1A: Remote control application for Android™

•RS-MS3A: Terminal/Access point mode application for Android^{TI}

•RS-MS3W: Terminal/Access point mode software for Windows™ PC

•CS-50: Programming software for Windows™ PC •ST-ID50A: Picture utility software for Android™

•ST-ID50W: Picture utility software for Windows™ PC

Applications for Android™ can be freely downloaded on Google Play™ Software for Windows™ PC can be freely downloaded from the Icom website.

OTHER OPTIONS

·AD-92SMA: SMA-BNC antenna adapter ·FA-S270C: VHF/UHF antenna. Same as supplied

•MB-127: Belt clip. Same as supplied •SP-40: Earphone (OPC-2144 required.) •CP-23L: Cigarette lighter cable for BC-202IP2

•OPC-515L: DC power cable for BC-202IP2 •BC-202IP3I : Rapid charger Connectable up to 6 units

•BC-228: AC adapter for BC-202IP3L multiple connections

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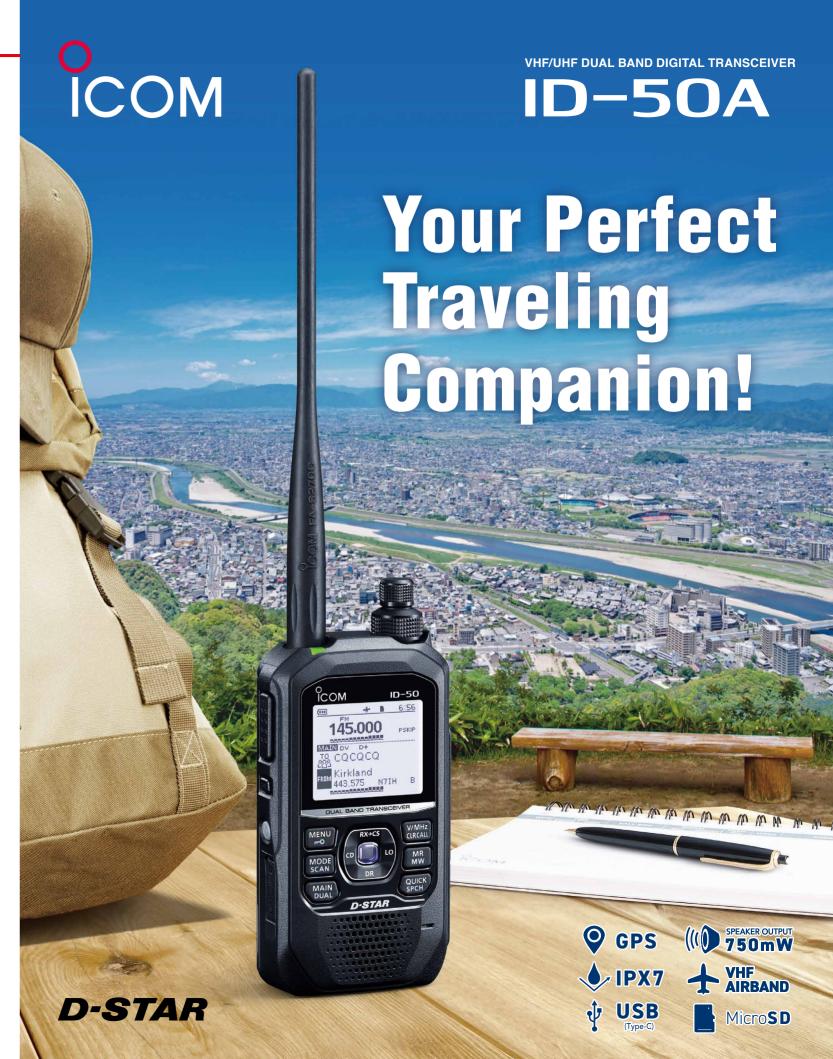
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QSO Anytime, Anywhere, with Easy Functions and Smart Features

Global Communication with the D-STAR Network

The ID-50A is a compact VHF/UHF dual bander with both D-STAR (Digital Smart Technologies for Amateur Radio) and FM dual modes. Connecting to the D-STAR network, you can call a friend in another city, or other regions around the world with the ID-50A. Smart functions such as Band Scope and Picture Sharing function enhance your QSO experience. Enjoy worldwide communications through the D-STAR network.

Easy D-STAR Settings for Beginners

The DR function makes communications using D-STAR repeaters easier and simple. Just selecting "FROM" (access repeater) and "TO" (destination), you can make QSO calls including Local Area call, Gateway call, and Simplex call. Combined with the GPS function, you can make selection of a local repeater available based on your location. In addition, the DR function supports reflector linking controls.



Share Picture Function* to Expand the Fun of QSOs

You can share pictures with each other in the DV mode. Enjoy sharing pictures together with

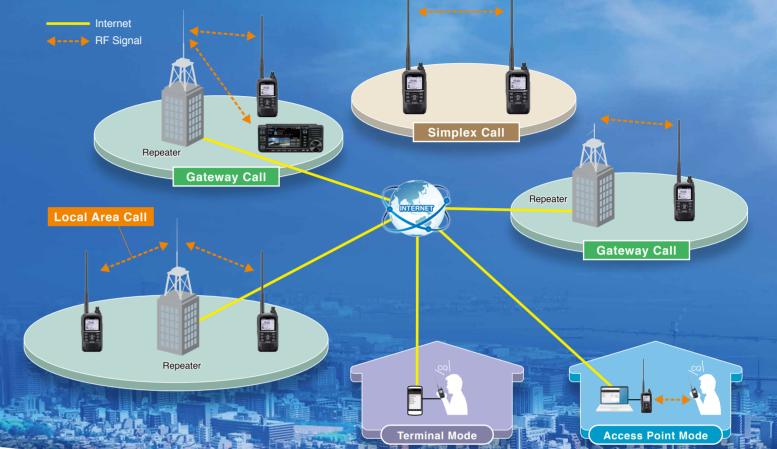


Build Your Own Internet Gateway

Even in the area with no D-STAR repeaters, build your own internet gateway (using Terminal mode and Access Point mode*) to access the D-STAR network virtually anywhere. Building an Access Point is easy, by connecting your ID-50A to a PC or an Android™ device connected to the internet, you will be able to make another D-STAR radio user to communicate through the D-STAR network over the air.

d on Google Play™) and user supplied USB Type-C/USB Type-C cable are required for Terminal mode. Terminal and Access Point modes are compatible with the Icom RS-RP3 Gateway Software. If your D-STAR repeater is running G1 or G2 software, ask the repeater administrator to

You need an Internet connection with an IPv4 Global IP address. If you use a cellular system, you ne



Smart Functions and Operations

I Easily Find Active Channels by Sight

The Band Scope with Waterfall display helps you to see band conditions in more detail and find active channels or an open frequency. The Waterfall display shows presence or

absence of signals and even the signal level. The Band Scope mode is usable in the Center mode. Fixed mode. and Fixed scroll mode. You can enjoy efficient and smart operations with it. Waterfall display example



Enjoy D-STAR Text Message Communication

device, you can easily send text messages using your device's keyboard to enter text. Also the RS-MS1A can remotely control the transceiver operation and set various functions from your Android™ device.



Reliable To Use in Rainy or Humid Environments

The ID-50A features superior IPX7* waterproofing and pro-grade construction. Perfect to take outdoors, even in harsh environments.

*1 m depth of water for 30 minutes.

Double QSO Opportunities with Dualwatch

The Dualwatch function* enables monitoring VHF/VHF. VHF/UHF and UHF/UHF bands at the same time. You can quickly respond to a call from the Main and Sub bands.

+ B 14:22

433.000 PSKIF

438.010

UHF/UHF

* DV/DV mode cannot be listened at the same time



A microSD card (up to 32 GB) can store QSO Recording, TX Voice Memory, pictures, QSOs and GPS log data. Moreover, Firmware upgrades, Repeater lists, and other personal settings can be saved and uploaded into the ID-50A radio.

VHF Airband and FM Broadcast Receiver

Find Nearby Repeaters

With the built-in GPS, your location and cur-

rent Grid Square information can be checked

by other stations. You can check the distance

at a New Location

to the other stations as well.

Various GPS functions

are usable with the

GPS location data,

such as Position Auto

Reply, Near Repeater

Search, and GPS log

functions.

FM broadcast and Airband can be listened to. You can enjoy receiving variety of channels.



NEAR REPEATER (DV) 1/4

(A) 4.4mi JP3YHJA

Sakai

Hirano

Ikoma

Repeater list

Neyagawa

VHF Airband receiver

Same Optional Accessories can be shared with the ID-52/51/31

I Charging with

a USB Type-C™ Connector

The ID-50A has a USB type-C port

which is widely used in the industry. It is

a multi-function USB port for charging

as well as PC programming, read/write

contents to the microSD card. Terminal/

Access Point mode support, and CI-V

Use a third-party USB cable for charging. USB PD is not supported

Some accessories of the ID-52/ID-51/ID-31 series transceivers can be used for ID-50A. Moreover, the large capacity battery pack, BP-307 from the IC-705 is compatible with ID-50A as well. If you own these models, you can take advantage of sharing accessories.

I QSO Logs in CSV Data Format

Frequencies, modes, and GPS logs can be saved in the CSV data format. Various kinds of QSO information can be downloaded and easily managed.

I High Visible LCD with Backlight Function

The ID-50A's large full dot LCD shows

graphical information with easy-toread characters and icons. In addition. the LCD backlight helps when using in dark places.



Large full dot LCD

1750 mW Loud Audio Output Power

Built-in 750 mW powerful audio output. The internal speaker provides louder and clearer audio.

Other Features

- Easy-to-see Single Band Mode with large and bold characters.
- DV fast data mode uses data in place of voice frames
- Voice Recorder function
- External DC power jack
- Weather channel receive (USA/CAN)



VHF/UHF DUAL BAND DIGITAL

ID-50A

By installing RS-MS1A App on your Android™



I Various Data Saving on a MicroSD Card