

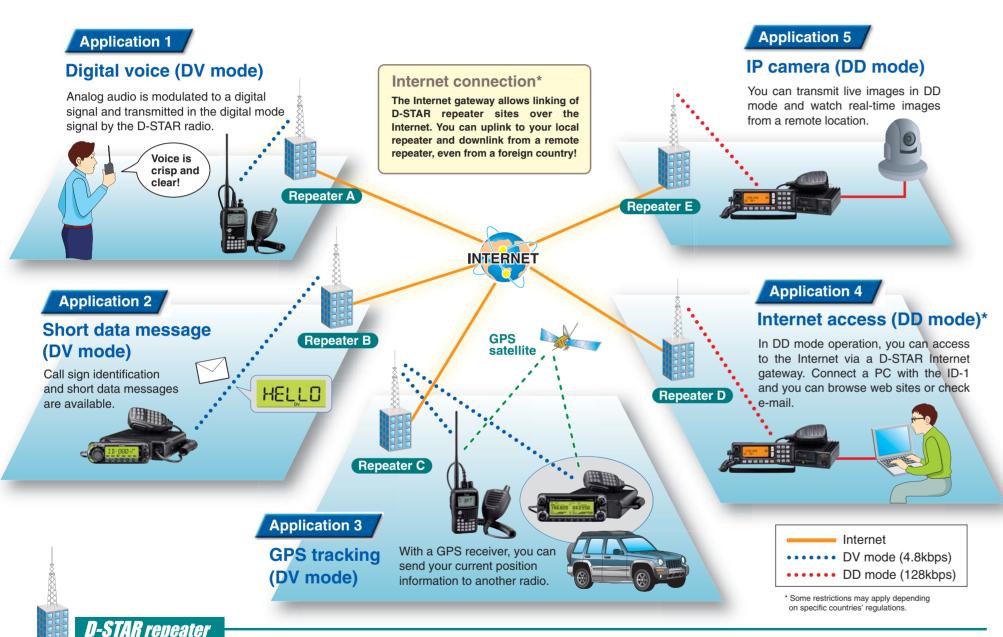
Five Examples of Having Fun with D-STAR

Have you ever thought about if you could access the Internet from ham radios?

Or have you ever thought if you could communicate with a friend in another city or country using a simple handy radio?

Or want to send a simple text message, or know the call sign of whom is on the air right now?

The D-STAR system is such a magical system; you can easily realize these functions without using a tricky gadget or complicated facilities.



ID-RP2C:

Repeater controller

One unit is required for each repeater station and connects up to 4 RF modules. Transfers the received signal to the specified RF module or the Internet gateway server.



ID-RP2D:

1.2GHz DD mode RF module

The ID-RP2D is the DD mode RF module for 1.2GHz. It provides 128kbps high speed data communication.



Photo shows ID-RP2V

ID-RP2V: 1.2GHz DV mode RF module ID-RP2000V:144MHz DV mode RF module ID-RP4000V:430(440)MHz DV mode RF module

These are DV (digital voice) mode RF modules for the respective bands. With a combination of these RF modules, cross band operation with 144/430 (440)/1200MHz bands is available.



RS-RP2C: Internet gateway software

The Internet gateway (GW) connects the D-STAR repeater station to the Internet and links multiple D-STAR repeater stations via the Internet.



Frequently Asked Questions About D-STAR

Q What does "D-STAR" stand for?



Q What can I do with the D-STAR radio?



Q Can I send data with a voice transmission? DV mode only

Yes, you can. In DV mode operation, you can simultaneously send up to 950bps of data, such as call sign, short data message or GPS position with a voice transmission.

Q Can I use the D-STAR repeater without connecting to the Internet?

Yes, you can use a D-STAR repeater as a local repeater. Simplex mode communication in DV or DD mode is also available without requiring a D-STAR repeater.

Q Can I make a call with foreign countries?

Yes, you can*. The Internet gateway allows you to relay your call to a remote D-STAR repeater over the Internet. The D-STAR repeater call sign and IP address must be registered to the gateway server. * Some restrictions may apply depending on specific countries' regulations.

Q Can I receive a call only when the call is intended for me?

Yes, you can. The call sign squelch function opens the squelch only when your call sign is received.

How do I set repeater call signs when I make a call to a desired station using a D-STAR repeater?

When you communicate with other D-STAR stations using a D-STAR repeater, it is ncessary to set repeater's call sign in RPT1/RPT2 as well as the desired station call sign and your own call sign.

For example, when you make a call in another zone using the Internet gateway, set an uplink repeater call sign in RPT1 and the gateway call sign in RPT2. The gateway call sign has "G" setting for the 8th-digit. Set "/" plus a downlink repeater call sign at the desired station call sign, when you make a CQ call.

The IC-80AD and ID-880H have the D-STAR repeater (DR) mode operation and D-STAR repeater list allowing you to use D-STAR repeaters easier.

Call type	UR (Your call sign)	RPT1 (Uplink repeater)	RPT2 (Downlink or gateway)	MY
Desired station in the same zone	Receiver's call sign	Uplink repeater's call sign	Downlink repeater's call sign	Own call sign
Desired station in another zone	Receiver's call sign	Uplink repeater's call sign	Gateway repeater's call sign plus "G"	Own call sign
CQ call in the same zone	CQCQCQ	Uplink repeater's call sign	Downlink repeater's call sign	Own call sign
CQ call in another zone	"/ " plus downlink repeater call sign	Uplink repeater's call sign	Gateway repeater's call sign plus "G"	Own call sign

Icom's D-STAR Compatible Transceiver Line-up

50W





ID-1





IC-2820H + UT-123

443550

- 50W output power (VHF/UHF)
- · Wideband receiver with dualwatch capability
- D-STAR + GPS receiver capability (UT-123 required)



144/430(440)MHz Dual Band Transceiver

ID-880H

- 50W output power (VHF/UHF)
- D-STAR repeater (DR) mode operation
- Free download cloning software, CS-80/880
- Detachable front panel



144MHz FM Transceiver



IC-2200H + UT-118

- 65W output power
- 207 memory channels
- Simple operation



• Both DV and DD modes available

• PC remote control software included

· Separate remote controller and speaker

144/430(440)MHz **Dual Band Transceiver**

IC-92AD

- 5W (typ.) output power (VHF/UHF)
- Submersible protection equivalent to IPX7 (1m depth for 30 minutes.)
- Optional HM-175GPS GPS Speaker-Mic.



- 5W (typ.) output power (VHF/UHF)
- V/V. U/U dualwatch receive capability
- Optional PC remote control software



144/430(440MHz) **Dual Band Transceiver**

IC-80AD

- 5W (typ.) output power (VHF/UHF)
- D-STAR repeater (DR) mode operation
- Optional HM-189GPS GPS Speaker-Mic.
- Free download cloning software, CS-80/880





144MHz **FM Transceiver**



IC-V82 + UT-118

430(440)MHz **FM Transceiver**



- IC-U82 + UT-118
- 5W output power (IC-U82)

Count on us!

• 200 memory channels



5W

Repeater compatibility chart with ICOM digital transceivers

IC-91AD IC-2820H IC-2200H IC-V82 **IC-U82** ID-880H IC-92AD IC-80AD ID-1 + UT-123 + UT-118 + UT-118 IC-91A + UT-121 ID-RP2000V **ID-RP4000V** 1 1 ID-RP2V/ID-RP2D

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^{*}Repeater access using radio frequency. Cross band operation between ID-RP2000V/RP4000V/RP2V is also possible.