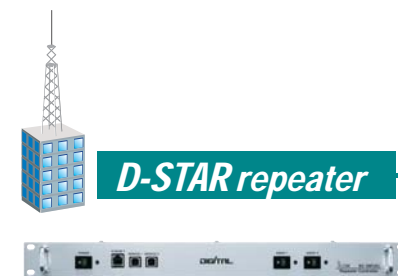
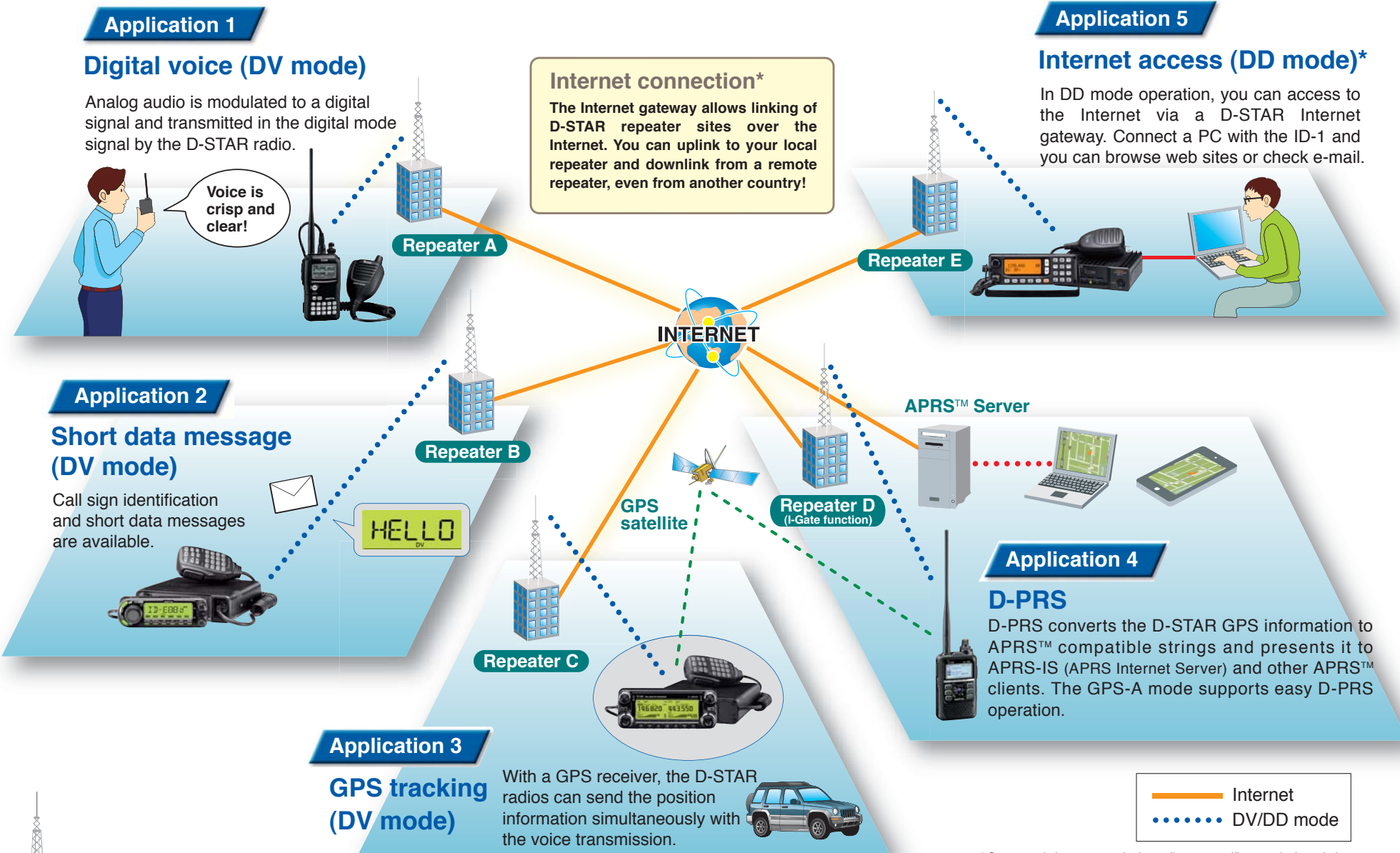


Five Examples of Having Fun with D-STAR

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 handheld 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 (Digital Smart Technology for Amateur Radio) system is such a system where you can easily do these functions without using a tricky gadget or complicated facilities.



D-STAR repeater

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.

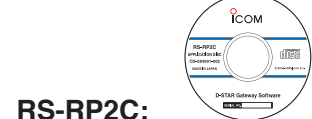


ID-RP2D:
 1.2GHz DD mode RF module
 The ID-RP2D is the DD mode RF module for 1.2GHz. It provides 128kbps high speed data communication.



ID-RP2V: 1.2GHz DV mode RF module
ID-RP2000V: 144MHz DV mode RF module
ID-RP4000V: 430MHz 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 144/430/1200MHz bands is available.

Photo shows ID-RP2V.



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.

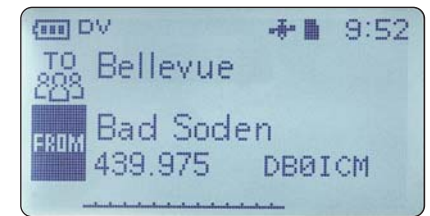
* Some restrictions may apply depending on specific countries' regulations.

Q & A Frequently Asked Questions About D-STAR

- Q** What does "D-STAR" stand for?
A The "D-STAR" stands for Digital Smart Technology for Amateur Radio. It is an open standard digital communication protocol established by JARL*. Please refer to <http://www.jarl.com/d-star/shogen.pdf> for technical details. * Japan Amateur Radio League
- Q** What can I do with the D-STAR radio?
A 4.8kbps digital voice (DV) mode and 128kbps data* (DD) mode communications are available. When using DD mode with a PC and the D-STAR radio, high speed data communication is possible. * DD mode is available with ID-1 only.
- Q** Can I send data with a voice transmission? **DV mode only**
A 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?
A 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 other countries?
A 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?
A Yes, you can. The call sign squelch function opens the squelch only when your call sign is received.
- Q** How do I set call signs to make a call in DV mode?
A The latest ID-31E has the DR (D-STAR Repeater) mode operation and makes it easier to transmit a call using a D-STAR repeater.

When using the ID-31E, you need just three steps.

- Step 1.** MY call sign
 Register your own call sign.
 - Step 2.** FROM field
 Select your access repeater to the FROM field.
 - Step 3.** TO field
 Select the destination repeater or the destination call sign to the TO field.
- Then push the PTT button to transmit.



Setting example for from Bad soden, Germany to Bellevue, WA, U.S.A.