


ICOM

VHF/UHF DUAL BAND TRANSCEIVER

IC-92AD

D-STAR: Take It To the Field!

GPS

*Offers position reporting.
(With optional GPS speaker-microphone)*

D-STAR

*Includes DV mode digital voice
and low-speed data.*

Submersible

*Equivalent to IPX7 protection.
(1 meter depth for 30 minutes)*

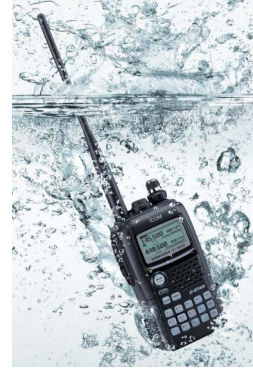
Photo includes optional GPS speaker-microphone, HM-175GPS.

D-STAR

**Take It To the Field!
Tough, Submersible Com**

Rugged Submersible Protection

The IC-92AD and HM-175GPS have superior waterproof protection and is equivalent to IPX7 (1m depth of underwater for 30 minutes). The aluminum diecast chassis and gasket-sealed housing provide performance you can count on in harsh outdoor environments; when hiking, mountain biking, touring and for alpine activities.



VHF/UHF DUAL BAND
TRANSCEIVER

IC-92AD

Optional GPS Speaker-microphone

Used with the GPS speaker-microphone, HM-175GPS, the IC-92AD shows your position data on the display and offers automatic position reporting in DV mode. The IC-92AD shows the direction to a received D-STAR station or to a memory stored with a compass-like display pointer. In addition, the GPS-A mode assists in easy D-PRS system operation.

GPS application examples

Touring with GPS

Even if you separate from your group, the radio shows the distance and direction to help you to re-join them.



Hiking with GPS

When you find a nice viewpoint, you can send the location to your friends.

Meeting with GPS

Exchanging position information with someone else helps you get together.



Examples of GPS functions

```
GPS POSITION
▶MY POSITION
 34° 37' 39" N
135° 34' 07" E
◀◀: BACK ▶: RX POS
```

My (own) position information

```
GPS POSITION
▶RX POSITION
 43° 03' 29" N
141° 22' 51" E
▲: MY POS
◀◀: BACK ▶: ELEVAT
```

RX (received station) position information

```

NORTH UP
W E
S 34° 37' 18" N
MY 135° 34' 08" E
TIME 03:34
ELEVAT 3m
```

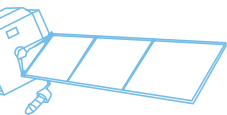
Compass information

```

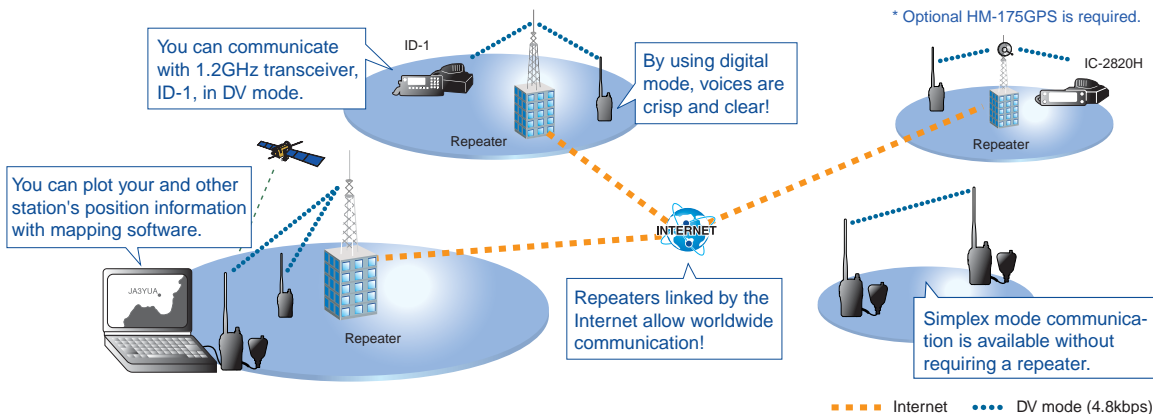
DIR of RXSTN
W E
S 43° 03' 29" N
RX 141° 22' 51" E
DISTAN 1062km
```

Direction and distance to RX station





With the IC-92AD, exchanging position information is easy! D-STAR repeaters use the Internet to carry your signals anywhere!



Instruction!

Feature-rich Functions

Wideband receiver with dualwatch capability

The IC-92AD has dualwatch receiver capability, allowing you to receive* on two bands simultaneously (including the same band). By pushing and holding the [Main/Dual] button, you can easily turn dualwatch on and off, while a single press toggles the active VFO channels (A band/B band).

* See specifications for receive range coverage.

5 Watts (typical) output

Icom's original wideband PA circuit and supplied lithium-ion battery pack provides 5W (typ.) output power on both VHF and UHF bands. The supplied BP-256 provides up to 6/5.5 hours* of operating time. When you don't need full power operation, you can reduce output power to 2.5/0.5/0.1W (typ.) to reduce battery consumption.

Output power	High (5W typ.)	Mid (2.5W typ.)	Low (0.5W typ.)	S-Low (0.1W typ.)
VHF	6 hrs.	8.5 hrs.	14.5 hrs.	19 hrs.
UHF	5.5 hrs.	7.5 hrs.	14.5 hrs.	19 hrs.

* VHF/UHF single mode, Tx high: Rx: Stand-by duty ratio= 1: 1: 8

Simple bandscope

Spectrum activity is displayed on the screen and audio is heard while sweeping. The bandscope is useful for finding new or interfering signals.



Simple bandscope example

Built-in voice recorder function

The built-in voice recorder* records an incoming call for up to 30-seconds (approx.), (or 15 sec. × 2 tracks, 10 sec. × 3 tracks). For automated outgoing calls, you can pre-record up to 10 seconds of your callsign and/or CQ message in the IC-92AD's voice memory.

(* Available in DV mode only)

Convenient Operation

Large dot-matrix Display

Using a large full dot-matrix display (37.8×20 mm; 1¹/₂×2⁵/₃₂ in), the IC-92AD clearly shows two-line frequency settings, alphanumeric channel name, bandscope, received message and position information, etc. You can change the display setting to show frequency or memory name in the center of the display. In addition, automatic LCD and keypad backlighting provides bright illumination for night time operation.



Memory name large setting

One touch reply button

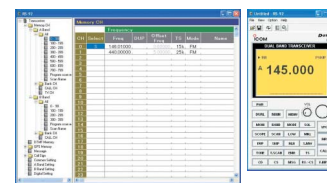
The one-touch reply [CALL RX->CS] button memorizes the received callsign(s) with a single touch. This function allows you to respond to the calling station without hassle. In addition, up to 20 received callsigns are stored in a received call history.

Keypad navigation

The four cursor direction buttons on the keypad give you quick and intuitive access to many settings. The dual volume/channel knob provides convenient channel selection and volume control.

Optional PC remote control capability

When connected to a PC via RS-232C, most functions of the IC-92AD can be controlled from the PC with the optional RS-92 software. In DV mode operation, you can send and receive short messages of 20 characters (max.) on the PC.



Other features

- Total of 1304 memory channels
- External DC power jack (10–16V DC acceptable)
- 10 channel DTMF memory (16-digit)
- Squelch disable function to monitor a weak signal
- Built-in CTCSS/DTCS tone encoder and decoder (FM mode)
- Auto power save, power off and power on
- 26 memory banks with selected bank and bank link scanning
- 10dB (approx) built-in attenuator
- Automatic repeater function*
- Weather channel with weather alert* (* USA and Canada versions only)

