



# ICOM

RADIO PRODUCTS - AMATEUR  
**D-STAR**

## **ID-1 1200MHz Digital Transceiver** With Digital Voice & High Speed Data



### **What is D-STAR?**

D-STAR is a new ham radio system which offers digital voice and data communication. It connects repeater sites over microwave links and the Internet and forms a wide area ham radio network. The DSTAR system provides a new capability and functionality to the ham radio world and increases the efficiency of emergency communications.

### **What can the D-STAR system do?**

128kbps digital data and 4.8kbps digital voice communication

The D-STAR system provides not only digital voice (DV mode) communication but also digital data transmission (DD mode). It can exchange various data files such as graphics, images, etc, at 128kbps.

### **Your voice and data can reach further than ever**

Multiple repeater links by radio and the Internet provide long distance communication to virtually anywhere.

### **Internet application available**

The D-STAR system uses the TCP/IP protocol, so when connected with a PC, web, e-mail and other Internet applications are available.

### **Wireless Internet Access**

No matter where you travel within the DSTAR network, you can access the web, e-mail, text messages and multimedia messages.

### **Independent network**

In DD mode, ID-1 can transfer data directly with another ID-1 without the use of a repeater. This is useful for establishing a simple network where a D-STAR repeater does not exist or D-STAR services are not required.

### **Increase efficiency of emergency communications**

Out in the field, fast emergency information is the key. Send pictures and weather charts to or from a remote location with the ID-1. “A picture is worth a thousand words”, and efficient send/receive opens up your repeater for other emergency communications.

### **PC remote controller supplied**

The controller software is supplied with the ID-1. When the ID-1 is connected to a PC via a USB cable, most functions of the ID-1 can be controlled from the PC. In DD mode operation\*, you can browse web sites and send and receive e-mail as if the

ID-1 is a 10W wireless network adapter.

\* Ethernet port is required for DD mode operation.

### **Useful callsign functions**

The ID-1 embeds your own and the called station's callsign in your transmission. When you input “CQCQCQ” as the intended station, you can make a CQ call in the area. The calling station's ID is displayed on the received station and a newly received callsign can be automatically stored in the memory.

### **Digital callsign squelch (DSQL) & Digital code squelch (CSQL)**

The DSQL opens the squelch, only when your callsign is received. When you share a single callsign with a club or group members, the CSQL function allows you to set a CSQL code from 00 to 99 and provides quiet stand-by while other members are talking.

### **EMR mode operation**

When you require the attention of all stations in the area, the Enhanced Monitor Request (EMR) mode operation allows the caller to bypass the CSQL and DSQL setting of the receivers station. During EMR mode operation, all receiving stations will hear your audio, even though they may be muted.

### **Short message in DV mode**

Short messages of 20 characters max. can be sent in DV mode operation.

### **Analog FM mode operation**

The ID-1 also operates in analog FM mode, allowing you to communicate with an analog FM transceiver. In FM mode operation, the ID-1 has CTCSS tone squelch and pocket beep functions for quiet stand-by.

### **Other features**

950bps (approx.) data communication capability in DV mode

AFC (Automatic Frequency Control) function\*

S-meter squelch

Break-in communication

Programmed, memory and select mode scan

Stand-by beep

\* FM and digital voice only.