

ID-880H



actual size of radio head shown

D-STAR Makes Mobile Operation Fun!

Digital & Analog

Entry Level

Free Software*
CS-880

Detachable Controller

The control head can be detached from the main unit for flexible installation. Magnets allow the controller to attach to the mobile mounting bracket or other metallic objects.

Compact Body with Large Display

The ID-880H has a compact body, but a large LCD display. At 64×20.7 mm (217/32×13/16 in), the LCD offers an excellent viewing angle suitable for mobile operation. Green, yellow and amber display backlighting is available. Select the color you like!

Max. 50 Ch/sec. High Speed Scan

The ID-880H has a maximum scanning speed of 50 channels per second while in program scan mode. This scanning power allows the utmost efficiency when searching a wide frequency range.

Other Features

- 50W* output power both VHF/UHF band*25W for Taiwan version.
- Built-in noise filter (AM/FM mode)
- Data and 9600/1200bps packet jacks on the rear panel
- ±2.5ppm frequency stability
- Adjustable microphone sensitivity

SPECIFICATIONS

CS-880 Software*

Used with the CS-880 cloning software, various settings can be made from a PC. Available for free download from:
<http://www.icom.co.jp/world/support/index.html>

*Either OPC-1529R, OPC-478 or OPC-478UC optional cable is required.

General	ID-880H
Frequency coverage U.S.A. TX RX	144-148, 430-450MHz 118-173.995, 230-549.995, 810-999.990MHz*2*3
Export TX RX	136-173.995, 400-469.995MHz*4 118-173.995, 230-549.995, 810-999.990MHz*4
** Guaranteed range, 144-148, 440-450MHz. *2 Cellular blocked. *3 Guaranteed range, 144-148, 430-450MHz. *4 Guaranteed range, 144-148, 430-440MHz.	
Type of emission	F2D, F3E, F7W
Use-able temperature range	-10°C to +60°C; +14°F to +140°F
Frequency stability	±2.5ppm (-10°C to +60°C on the basis of 25°C)
Digital TX speed	4.8kbps
Voice coding speed	2.4kbps
Antenna impedance	50Ω (SO-239)
Memory channels	1052 channels (including 50 program scan edges and 2 call channels)
Power supply	13.8V DC (±15%)
Current drain TX High (VHF/UHF) RX FM	(at 13.8V DC) 11.5/12.5A typ. Max. audio Less than 1.2A Stand-by Less than 0.9A
Dimensions (WxHxD) (projections not included)	150x40x199.2 mm; 5 ²⁹ / ₃₂ x1 ⁹ / ₁₆ x7 ²⁷ / ₃₂ in.
Weight (approx.)	1300g; 2.9lb (without microphone, cable and bracket)

Transmitter	ID-880H
Output power	High/Mid/Low 50W*/15W/5W (approx) *25W for Taiwan version
Spurious emissions	Less than -60dB
Max. frequency deviation	±5.0/2.5kHz (FM wide/narrow)
Ext. MIC impedance	600Ω (8-pin modular)

Options

■ **HAND MICROPHONES**

HM-103 : Lightweight hand microphone.
 HM-154 : Hand microphone with up/down buttons.
 HM-133*1 : Remote control microphone.

■ **DC POWER SUPPLY CABLES**

OPC-1132A** : 3m (9.8ft) DC power supply cable.
 OPC-347 : 7m (23ft) DC power supply cable.

■ **MOUNTING BASE**

MB-120 : Mounting base

■ **EXTERNAL SPEAKER**

SP-10 : Mid sized external speaker

■ **EXTENSION CABLES**

OPC-440 : 5m (16.4ft) microphone extension cable.
 OPC-647 : 2.5m (8.2ft) microphone extension cable.
 OPC-441 : 5m (16.4ft) speaker extension cable.
 OPC-589 : Microphone adapter cable.
 Connection for 8-pin microphone.

■ **CLONING SOFTWARE**

CS-80/880 : Free download cloning software
 Please download from the following URL.
<http://www.icom.co.jp/world/support/index.html>
 One of either OPC-1529R, OPC-478 or OPC-478UC is required.

■ **CLONING & DATA CABLES**

OPC-1529R : Data communication cable for PC or GPS receiver connection. (RS-232C type)
 OPC-478 : PC cloning cable (RS-232C type)
 OPC-478UC : PC cloning cable (USB type)
 OPC-474 : Transceiver to transceiver cloning cable. (Between same models only)

*1 Same as supplied. All stated specifications are subject to change without notice or obligation

Supplied Accessories*

(*depending on version)

- Hand microphone, HM-133
- Separation cable, OPC-1154A (3.4 m; 11.2ft)
- DC power cable, OPC-1132A
- Microphone hanger
- Mounting bracket kit
- Remote controller bracket



Receiver	ID-880H
Intermediate frequencies	46.35MHz/450kHz (1st/2nd)
Sensitivity (Typical)	FM (at 12dB SINAD) 118.000-136.995MHz 0.16µV 137.000-173.995MHz 0.16µV 230.000-259.995MHz 0.56µV 260.000-299.995MHz 0.32µV 300.000-349.995MHz 0.22µV 350.000-399.995MHz 0.22µV 400.000-499.995MHz 0.16µV 500.000-549.995MHz 0.16µV 810.000-879.990MHz 0.45µV 880.000-999.990MHz 0.45µV AM (at 10dB S/N, 30% Mod.) 118.000-136.995MHz 0.5µV 137.000-173.995MHz 0.5µV 230.000-259.995MHz 1.8µV 260.000-299.995MHz 1.0µV 300.000-349.995MHz 0.79µV 350.000-399.995MHz 0.63µV 400.000-499.995MHz 0.56µV 500.000-549.995MHz 0.56µV DV (at BER 1%, 4.8kbps) VHF (Ham band) Less than 0.35µV UHF (Ham band) Less than 0.35µV
Selectivity	FM Wide More than 10kHz/6dB Less than 30kHz/60dB FM-N More than 6kHz/6dB Less than 20kHz/60dB DV More than 50dB More than 60dB
Spurious and image rejection	More than 60dB
Spurious radiation	Less than -57dBm
Audio output power at 10% distortion with an 8Ω load	More than 2.0W (at 13.8V DC)
External speaker impedance	8Ω

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