Optional Accessories

- MC-59 10-Key Hand Microphone
- SP-50B External Speaker
- VGS-1 Voice Guide & Storage Unit
- PB-38 DC Line Noise Filter
- PG-2N DC Power Cable
- PG-5A Data Interface Cable (Mobile)
- PG-5F Extension Cable Kit (4m)
- PG-5H Data Interface Cable (Mobile)
- MI-88 Microphone Plug Adapter
- PS-60 DC Power Supply
- MCP-6A Memory Control Program

**TM-D710GA Specifications**

- Frequency Range: 144/430MHz
  - Band A: 400-470MHz
  - Band B: 420-450MHz

- Modulation: Reactance

- Operating Temperature Range: -4°F to 140°F

- Power Requirement: DC 13.8±15%

- Antenna Impedance: 50Ω

- Current Drain: Receive: <1.2A (2W audio output), Transmit: HI: 50W, LOW: 5W, MID: 10W

- Maximum Frequency Deviation: ±5kHz

- Minimum Spacing: 5kHz

- Audio Output (8Ω): More than 11kHz, Less than 30kHz

- Squelch Sensitivity: Less than -16dBµ (0.16µV)

- Transmit Power: HI: 50W, LOW: 5W, MID: 10W

- Spurious Response: Less than 100µV

- USB/PSK/FSK: 200kHz

- IF Bandwidth: 6.0kHz

- IF Phase Noise: -75dBc

- Selective Squelch: More than 11kHz, Less than 30kHz

- Shock Mount: More than 11kHz, Less than 30kHz

- Frequency Deviation: ±5kHz

- Spurious Response: Less than 100µV

- USB/PSK/FSK: 200kHz

- IF Bandwidth: 6.0kHz

- IF Phase Noise: -75dBc

- Selective Squelch: More than 11kHz, Less than 30kHz

- Shock Mount: More than 11kHz, Less than 30kHz

- Frequency Deviation: ±5kHz

- Spurious Response: Less than 100µV

- USB/PSK/FSK: 200kHz

- IF Bandwidth: 6.0kHz

- IF Phase Noise: -75dBc

- Selective Squelch: More than 11kHz, Less than 30kHz

- Shock Mount: More than 11kHz, Less than 30kHz

*Optional: SGC-1, SGC-2, SGC-3, SGC-4 (SGC-3 requires an optional GPS module/connector) and SGC-5, SGC-6, SGC-7, SGC-8 (SGC-7 requires an optional GPS module/connector)

**Other Features**

- Standard receiver coverage 118-130MHz, 800-1000MHz with high-power output (optional, for A-B and B-A bands with a 50Ω antenna and an external TNC (TNC: 75Ω). Includes VOR/LOC, for A-B and B-A and band operation, and a built-in APRS (American Radio Relay League) connector for A-B and B-A bands with an external TNC (TNC: 75Ω).

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**Positioning via GPS Knowledge by APRS**

Communicate, navigate, enjoy. In real time.
Standard compatibility with GPS, APRS, and EchoLink Sysop Mode. A new operating style for amateur band VHF/UHF transceivers.

Equipped with GPS unit. Bringing smart APRS operation closer

The GPS unit required for mobile station APRS operation is included in the control panel. Genuine APRS operation is possible with the TM-D710GA alone. GPS Logger, Mark Waypoint, Target Point, and automatic time correction functions are also included, widening horizons for operation using GPS.

APRS standard. Extensive menus enable genuine operation

A program compatible with the APRS system has been developed with the cooperation of Bob Bruninga (WB4APR), the developer of APRS. By making use of this program and the GPS unit*, various APRS operations are possible even without a PC. Messages can also be exchanged to share positional, direction/distance and weather information.

- Station list
- Target Point function
- GPS Logger function
- Grid Square Locator display function
- Message function
- APRS lock function
- APRS standard. Extensive menus enable genuine operation

A new operating style for amateur band VHF/UHF transceivers.

The TS-2000 series doesn’t require a transporter. TH-D72A/TM-D710GA transceivers. Enabling the enjoyment of HF access even while transceivers, enabling the enjoyment of HF access even while back of the main body and on the rear of the panel, so you can choose the one that is the fit for your operation style.

Memory control program compatible (MCP-6A)

By using the MCP-6A memory control program*, data created, editing and management for memory channels APRS, all EchoLink function settings, and custom start-up screens are possible on a PC*. APRS TravelPlus information can also be import to the TM-D710GA. There is a PC connection port on the back of the main body and on the rear of the panel, so you can choose the one that is the fit for your operation style.

Weather alerts / weather station scanning

The device can emit a warning tone when warnings are announced on the NOAA Weather Band. Registered weather channels can also be scanned.

Packet communication and IGate terminal operation.

By connecting the internal TNC to a PC for packet mode, a serial connection to a PC terminal can be made. On-board clocks required for all operations are adjusted automatically using GPS. The Grid Square Locator for your own station can be displayed. In addition to keyboard input using the included microphone, easy mobile operation has been pursued with the TH-D72A/TM-D710GA. 

One-touch operation: TM-D710GA voice channels can be set with one touch using VGS-1 (optional).

Simultaneous operation as an IGate terminal and/or digipeater is also possible while functioning as an EchoLink node terminal*2. The Grid Square Locator for your own station can be displayed.

EchoLink memory – simple access to mode terminals

A maximum of 100 stations such as mobile, base, weather and APRS stations can be stored in the internal memory. Storage timing can be set according to call-sign, receive time, and distance from own station (stations within 10 km are displayed in 10 km units) is also possible.

One-touch operation: TM-D710GA voice channels can be set with one touch using VGS-1 (optional).

In addition to simultaneous receive on both VHF and UHF bands, the device can receive two frequencies on the very same band.