Other Features



•Wideband receive coverage:118-524MHz, 800-1300MHz* •High power output(50W) •1,000 multifunction memory channels •Multiple scan&visual scan •MC-59 16-Key hand microphone with backlighting •Programmable memory capable of storing 5 independent operating profiles •DCS (Digital Code Squelch) with 104 selectable codes •Separate VOL/SQL for A & B bands •Packet monitor •DX cluster •Waypoint data output •Clock (date/ time) •6-pin Mini-DIN socket for external TNC •8-pin Mini-DIN socket for PC connection x 2 (optional programming cable PG-5G or PG-5H required for PC connection) • Programmable function keys • Band mask • Call channel • S-meter Squelch include hang up time setting • Monitor function •Mute •Auto Power Off •MHz mode •Selectable frequency step •Shift function •Repeater offset (selectable) •Reverse •Auto repeater offset •Automatic simplex checker •DTMF memory (10 channels,16 digits) •DTMF remote control •Time Out Timer •Key lock •Power-on password •Memory shift •Programmable VFO •Beep ON/OFF, volume control •Mic. program function •Channel display mode •Custom start up ●Power-on message ●LCD brightness control, auto brightness ●Switch to external speaker ●Reset (VFO, PART, PM, FULL) *Excluding cellular blocked + frequencies

Optional Accessories



The MCP-6A program will be available for download from the Kenwood website from the middle of November 2013.

[Accessories]

•Microphone •DC power cable •Cable with a 2.5mm (1/10") 3-conductor plug (for GPS) •Modular plug cable (for PANEL) •Line filter •Microphone hanger •Mounting bracket •Panel holder •Panel

*Alterations may be made without notice to improve the ratings or the design of the device.

*The photographic and printing processes may cause the coloration of the device to appear different from that of the actual device.

Kenwood U.S.A. Corporation

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Communications Sector Headquarters

Order Administration/Distribution

P.O. BOX 22745, 2201 East Dominguez St.,

Long Beach, CA 90801-5745

GENERAL						
Frequency Range						
TX			RX			
Band A & B		Band A			Band B	
144~148MF		118~524MHz*			136~524MHz	
430~450MF	z				800~1300MHz*	
Power Requirement Operating Tempera	e ture Range				*excluding cellular ban 509 DC13.8V±15 -4°F~+140°F(-20°C~+60°C m 32 °F~122 °F(-10°C~+50°C	
Transmit						
		VHF			UHF	
HI		s than 13.0A	4	Less than 13.0A		
MID		s than 4.0A			Less than 6.5A	
LOW		s than 4.0A			Less than 5.0A	
Current Drain Receive						
		ss than 1.2/	A (at 2W audio	output)		
Dimensions (W x H x					(155 50 00)	
Without Protrusions				6 x 1.50 inch (155 x 70 x 38 mm)		
	body			x 5.59 inch (140 x 43 x 142 mm) x 2.20 inch (156 x 71 x 56 mm)		
With Protrusions	panel				· /	
Malalah (anana)	body		5.51 x 1.73 x 6.22 inch (140 x 44 x 158 mm) Panel 0.7 lbs. (0.3 kg) Body 2.6 lbs. (1.2 kg)			
Weight (approx.)			Panel 0.7 lb	is. (0.3 kg)	Body 2.6 lbs. (1.2 kg)	
TRANSMITTER						
RF Output Power		1015				
HI	VHF			UHF 50W		
MID	50W				Approx. 10W	
LOW	Approx. 10W Approx. 5W			Approx. 10W Approx. 5W		
					Within ±5kH	
					Less than -60d	
					Less than 39	
Microphone Imped						
RECEIVER						
					Double Super Heterodyn	
Intermediate Frequen					Boasio Sapor Hotoroayii	
	<i>.</i> ,	1st IF			2nd IF	
A Band	45.05MHz				455kHz	
B Band	49.95MHz				450kHz	
			Less than -16dBµ (0.16µv)			
					Less than -20dBµ (0.1µ\	
Selectivity	-6dB			-50dB		
Selectivity	-6dB				oodd	
	-6dB re than 11kHz			Le	ss than 30kHz	

	Bar	Band B	
	FM:12dB SINAD	AM:10dB S/N	FM: 12dB SINAD
118~135.995MHz	0.32µV	0.40µV	-
136~173.995MHz	0.32µV	0.40µV	0.32µV
174~229.995MHz	0.40µV	0.50µV	0.40µV
230~299.995MHz	5.6µV	5.6µV	5.6µV
300~349.995MHz	1.0µV	1.0µV	1.0µV
350~399.995MHz	0.56µV	0.56µV	0.56µV
400~499.995MHz	0.28µV	0.36µV	0.28µV
500~523.995MHz	0.56µV	0.71µV	0.56µV
800~1239.99MHz	-	-	7.08µV
1240~1299.99MHz	-	-	2.24µV

*Google Earth is a registered trademark of Google Inc. *APRS is a registered U.S.A. trademark of Bob Bruninga. *EchoLink is a registered U.S.A. trademark of Synergenics, LLC. *SmartBeaconing is supplied by Ham HUD Nichetroni. *KENWOOD SKY COMMAND SYSTEM is a registered trademark of JVCKENWOOD Corporation in the U.S.

Kenwood Electronics Canada Inc.

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Kenwoo



KJ6IHI	APRS12 STATIO	N LIST	
	1: WY6NN-13		WEATHER
	2: N6LUN	16:32	FIXED
	3: KE6JML-7		TH-D72
	4: KE6JMT-14		TM-D710
	5: W6DJY-9		

4-9 ● ₩ +135 9.9mi N 33*50.43' W(118*13.72'





CA-324K-E-4 Printed in USA



Positioning via GPS KEGIMT-14 · V 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.





GPS Logger Function

A maximum of 5,000 points of positional information can be stored in the internal memory. Storage timing can be set according to time interval, movement distance or beacon transmission points (e.g. roughly 14 hours' worth of records is possible when set for a 10-second time interval). GPS log information can also be converted to the Google Earth[™] map service-compliant kml file format using the MCP-6A memory control program



A maximum of 100 records possible with Mark Waypoint

Positional information on your current location (latitude, longitude and altitude, time, name, icon) can be recorded with one touch.

Name and icon information can also be edited in the Mark Waypoint list.



Target Point function

The distance and direction to your target locations (maximum of 5 presets possible) are displayed in real time. Directional display can be switched between North Up and the easily understood Heading Up display with one touch.





Grid Square Locator Display Function

The Grid Square Locator for your own station can be displayed. Automatic time adjustment

On-board clocks required for all operations are adjusted

automatically using GPS.

Easy packet transmission with TNC

The device comes equipped with an AX.25 standard TNC (Terminal Node Controller), enabling genuine, stand-alone APRS operation. Connection to a PC also enables 1200/9600 bps packet communication and IGate terminal operation

APRS standard. Extensive menus enable genuine operation

Call-sign order

Sort settings

display

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.

*An external GPS unit can also be used. displayed, making operation easy.

call function also lets you know the instant you receive a message Weather information can be received to display wind direction/ speed, temperature, rainfall, humidity and atmospheric pressure. M-D710GA

SYSTEM II+

440 MHz band

H-D72A/TM-D710GA transceivers.



Easy operation of weather stations can also be enjoyed after

connection (certain devices only) to Peet Bros. or Davis weather

Stand-alone Digipeater function

from a dedicated station.

Weather information

The TM-D710GA can operate as a stand-alone digipeater station Temporary relay stations can be configured in a variety of outdoor situations, enabling support for data transmission from locations such as basins surrounded by mountains.

QSY function

TM-D710GA voice channels can be set with one touch using information such as frequency, tone and shift buried in beacons from APRS stations, enabling speedy QSY.

SmartBeaconing

SmartBeaconing is a function that efficiently sends a beacon concerning the positional information of your station based on speed and direction data. The transmission interval can be changed depending on your speed, and beacons are sent when direction changes are detected, so a close approximation of your actual route can be recorded with a minimum of beacon transmissions.

APRS lock function

Prevents errors during APRS operation.

You can easily set up an EchoLink node terminal by connecting the TM-D710GA to a PC with EchoLink software installed on it*1. Simultaneous operation as an IGate terminal and/or digipeater is also possible while functioning as an EchoLink node terminal*2.



1: Connection requires the optional PG-5H *2: When connecting the internal TNC to a PC for packet mode, a serial transmission cable (PG-5G) is required in addition to the PG-5H used for EchoLink Sysop mod

EchoLink memory – simple access to node terminals

A maximum of 10 EchoLink-dedicated DTMF memories can store call-signs, node numbers and control commands. EchoLink memory management is also possible with the MCP-6A.

Catch a variety of information in real time with APRS







received station information. ▶ 5:₩6DJY-9 15:08 11 A 118" 13.72" DH03VU +135" 9.9mi display BACK F MSG + + PATH CLR

Latitude, longitude, altitude and speed/direction can be shared,

and the distance from your station can be displayed using

A maximum of 100 stations such as mobile, base, weather and

object stations can be maintained, and receive stations can be

limited by type using the filter function. Sorting according to call-

sign, receive time, and distance from own station (stations within

1 mile are displayed in 0.01 mile units) is also possible.

F MSG SORT FILTER TUNE CLR

APRELE STATION LIST

14:52 FIXED 15:08 TM-D710

Message function

BY CALLSIGN BY DATE TIME BY DISTANCE

Positional information

Station list

Messages can be sent and received between APRS-operating stations. In addition to keyboard input using the included microphone, easy mobile operation has been pursued with the inclusion of automatic reply and set-message functions. A special



KENWOOD SKYCOMMAND

You can use the TM-D710A for remote control of KENWOOD HF transceivers, enabling the enjoyment of HF access even while making a quick trip to the local store. The HF band frequency is



KENWOOD SKY COMMAND SYSTEM II uses a pair of *The TS-2000 series doesn't require a transporte

Operate node terminals with

EchoLink Sysop mode function

Improved operation with arge separate panel

The large separate panel has a liquidcrystal display for each key, enabling



prompt access to a variety of functions. Two different stands are included: one each for in-vehicle (panel-angle) and table-top (base-stand) installation. The LCD backlight color can be selected from 2 colors (amber/green).

Dual wave receive on same band (VxV. UxU)

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

Memory control program compatible (MCP-6A)

By using the MCP-6A memory control program*1, data creation, editing and management for memory channels, APRS, all EchoLink function settings, and custom start-up screens are possible on a PC*2. ARRL 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.

*1: The MCP-6A program will be available as a free download on the Kenwood website from the middle of November 2013. *2: Connection to a PC requires the optional PG-5G or PG-5H.

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.

Voice guidance and storage compatibility with VGS-1 (optional)

By installing this option, key operations can be confirmed via voice announcements (APRS menus can be read out). Voice messages and 30 seconds of continuous recording are also possible.

