

# KENWOOD

## APRS® TH-D7A/TH-D7A(G) COMPARISON CHART

The new TH-D7A(G) Data Communicator brings numerous improvements to APRS® related functions, such as the My Position feature. Now more than ever before you can take advantage of the convenience of APRS® data communications and the high-quality performance of Kenwood's portable FM Dual Bander line-up.

Function	TH-D7A	TH-D7A (G)
<b>1. My Position</b>		
Position information display when GPS receiver is being used	Latitude, longitude, grid square locator	Latitude, longitude, grid square locator, present time, speed, direction, altitude.
Position	One position setting	Selectable from 3 position memory settings.
GPS unit selection	Switchable between "NOT USED" and "NMEA"	Addition of "NMEA96" for GPS transmissions at 9600bps.
<b>2. Position Data</b>		
Status text for transmission	One status text setting	Selectable from 3 status memory text settings.
Transmit/receive altitude data	No	Yes When using a GPS receiver, operator's own altitude data is transmitted; altitude information included in received data is displayed.
Interrupt display setting for newly received information	Full-screen display	Switching between full-screen display and display on the bottom line. Selection of bottom line display is shown by the "nP" indicator in the bottom line. (Similar in function to the display of the "dP" indicator.)
Sorted display of received data	No	Yes The following types are displayed: FIXED, MOVING, STATUS, GRID SQ, ID, WEATHER, TH-D7, TM-D700, GOOD/GGA, LAST/GGA, GOOD/GLL, LAST/GLL, GOOD/RMC, LAST/RMC, OBJECT, Mic-E, COMPRESSED
Position ambiguity	No	Yes The last 4 digits of latitude and longitude can be masked; the operator selects 1, 2, 3 or 4 digits (or masking OFF).
Status text transmit	Appended whenever beacon is transmitted; cannot be turned off.	The operator can adjust the relative frequency of status text transmit from "appended every time [beacon is transmitted]" to "appended once every 8 times", and can switch it off entirely.
Emergency data reception	No special screen or audible signal	Features special emergency screen and emergency audible signal Emergency data is received even outside position limit.
No. of selectable position comments	8	15
Grid square format reception	No	Yes
Auto TX beacon interval	0.5 min or more	0.2 min added for high-speed position changes
Display during reception of own station's data via Digipeater	MY PACKET	MY POSITION: position data MY MESSAGE: message data Reason: Differentiation reassures the operator when sending a message.
Differential GPS packet reception and feed to GPS receiver	No	Yes In anticipation of future applications.
New packet information key ▶	No	Detailed information is shown in new display.
Audible signal during reception of own station's data via Digipeater	Error sound (beep)	Unique sound Reason: Error beep can be confusing as it might indicate duplicate data.
Audible signal indicating reception of new position data	Fixed sound (beep)	Unique sound Reason: Use of the Morse Code "N" indicates data is new (like APRSdos).
Blinking interrupt display during position data reception	Call sign blinks	▶ symbol blinks Reason: If the call sign blinks, it is difficult to read.
<b>3. Messaging</b>		
Automatic response message	No	Yes The operator can switch auto response on/off and use the menus to select a message (max. 45 characters).