

KENWOOD TM-D710 SETUP

Here are the general settings for the D710A when using the GTRANS cable. This setup can also be used with any GPS by making the appropriate changes to TNC menu items 602 and 603.

The SMARTBEACONING menu items and a few other choices are only available with the following D710 firmware update: TNC Version 1.01, OP Panel Version 2.01, Main Version 2.01. These settings can all be tweaked to your liking.

First, make sure the current DATE, TIME, and TIME ZONE are set in AUX MENU ITEMS 524, 525 and 526.

TNC MENU SETTINGS

Menu #600 BASIC

Set the My CALLSIGN to your call sign and SSID (or use tactical call sign)
Set the BEACON TYPE to APRS™

Menu #601 TNC

Set DATA BAND to A BAND
Set DATA SPEED to 1200 bps
Set DCD SENSE to D or RxD BAND
Set TX DELAY to 200 ms.

Menu #602 GPS PORT

Set Baud Rate: 4800 bps (Choices are 2400, 4800, 9600)
Set INPUT: GPS
Set OUTPUT: WAYPOINT (Set to OFF if using a GPS puck)

Menu #603 WAYPOINT

Set FORMAT: KENWOOD (Choices are KENWOOD, NMEA, MAGELLAN)
Set NAME: 9 char (Only 6-7 char can be used with MAGELLAN)
Set OUTPUT: ALL

Menu #606 BEACON INFORMATION

Set SPEED: ON
Set ALTITUDE: ON
Set AMBIGUITY: OFF

Menu #608 STATUS TEXT

In the TEXT FIELD, you can enter some text or leave blank. This is where you would place your call sign if you are using a tactical call in the MYCALLSIGN field. You need to set the text transmission rate: 1/1 or 1/3, etc. Remember that your call sign must be sent at least once every ten minutes if using a tactical call.

Pressing the MHZ button will put the flashing cursor to the left of a number between 1 and 5. Press USE and an asterisk will be set between the cursor and the number. Pressing MHZ gets you to the sub menu items where you enter the text.

Menu #609 PACKET FILTER

You might want to set the POSITION LIMIT to something like 50 or 100 miles to keep the noise down. For the TYPE just leave all the selections with an asterisk.

#610 STATION ICON

Select OTHERS

Then select the appropriate SYMBOL and TABLE. It defaults to KENWOOD.

Menu #611 BEACON TX ALGORITHM

Set METHOD: AUTO or SMARTBEACONING (Additional SMARTBEACONING settings are in menu #630 and menu #631)

Set INITIAL INTERVAL: 2 (The manual only shows 0.2/0.5/1/3/5/10/20/30 minutes but there is a setting for 2 min with the latest firmware) Verify DECAY ALGORITHM: ON

Verify PROPORTIONAL PATHING: ON

Menu #612 PACKET PATH

Set TYPE: Select NEW N-PARADIGM and press USE

Set WIDE1-1: Set to ON if you need to use a local digipeater to get to an IGATE Set TOTAL HOPS: Set to 2 unless you have WIDE1-1 on then set to 3

Verify PATH IS VIA: WIDE2-2 or WIDE1-1,WIDE2-2 depending on above settings.

Menu #613 NETWORK

Verify an asterisk is next to APRS™.

Menu #614 VOICE ALERT

Verify VOICE ALERT : OFF

Menu #615 WEATHER STATION

Verify TX : OFF

Menu #616 DIGIPEAT (MY CALL)

Verify DIGIPEAT: OFF

Menu #617 UICHECK

Leave as is. Default is TIME: 28 SEC

Menu #618 UIDIGI

Verify UIDIGI: OFF

Menu #619 UIFLOOD

Verify UIFLOOD: OFF

Menu #620 UITRACE

Verify UTRACE: OFF

Menu #621 USER PHRASES

Here you can put your own messages.

Menu #622 AUTO MESSAGE REPLY

Verify REPLY: OFF

Menu #623 GROUP FILTERING

Leave as is. Default is MESSAGE: ALL, QST, CQ, KWD

Menu #624 SOUND

Adjust to your preference, but to keep the noise down use the following.

RX BEEP: OFF

TX BEEP (BEACON): OFF

SPECIAL CALL: Blank

APRS VOICE: OFF

Menu #625 INTERRUPT DISPLAY

Set per personal preference

Menu #626 DISPLAY UNIT 1

Verify SPEED, DISTANCE: mi/h, mile

Verify ALTITUDE, RAIN: feet, inch

Verify TEMPERATURE: °F

Menu #630 SMARTBEACONING 1

Set LOW SPEED: 5

Set HIGH SPEED: 60

Set SLOW RATE: 10 MIN (600 seconds)

Set FAST RATE: 120 SEC

Menu #631 SMARTBEACONING 2

You can leave AS IS to begin with, but with the roads in my territory, I prefer:

Set TURN ANGLE: 40 DEG

Verify SLOPE: 26 (10 DEG/SPEED)

Set TURN TIME: 60