Set-up for Kenwood D700 with the AVMAP G4T

NOTE: These instructions are for those of us who have little to no experience with the Kenwood D700 and/or the AVMAP G4T!

1. Kenwood D700 set-up.
    a. While programming the Kenwood D700 and/or the AVMAP G4T, the communication cable should be disconnected. Strange and/or bad things can occur if you fail to head this warning!
    b. Starting with the Kenwood D700. Note: Items in [ ] are buttons and { } are items you enter and/or 'see' on the radio screen.
    c. Turn on the radio.
    d. Make sure that {**T**}, {**CT**} and {**DCS**} do not appear at the top of your D700 screen, if they do press the [**TONE**] button until none of these appear.
    e. Press the menu button [**MNU**] and use the control knob to get to the APRS setup menu {APRS 3-X} (the X here can be any letter or number) and press the [**OK**] button to select/enter.
    f. Use the [⬆] and [⬇] buttons to go to different screens in the APRS menu and the [**OK**] button to select/enter that particular screen.
    g. Once you make your selection and/or entry push the **[OK]** button again to save the selection/entry. Then go back to 'f.' above to get to the next APRS screen and enter all the Table 1 settings below.

Table 1. (D700 Settings)

Screen #	Item	Select/Enter
3-1	CALL SIGN	*{your call sign}*
3-2	GPS UNIT- NEMA FORMAT	**{NEMA96}**
3-3	WAYPOINT	**{9 DIGITS NEMA}**
3-5	POS AMBIGUITY	**{OFF}**
3-7	POS LIMIT	**{OFF}**
3-B	PACKET PATH	**{WIDE1-1,WIDE2-2}**
3-C	PACKET TRANSMIT METHOD	**{AUTO}**
3-D	PACKET TRANSMIT INTERVAL	{3 MIN.} NOTE: Smaller times ($\leq$5min) are for mobile units while stationary stations will use longer times (~10 min. and up)
3-J	PACKET TRANSFER RATE	{1200 bps}

    h. Press the [ESC] button to leave the APRS setup screen and return the D700 user screen.
    i. You can now power down the radio and it will keep your settings.

2. AVMAP G4T set-up.

a. While programming the AVMAP G4T and/or the Kenwood D700, the communication cable should be disconnected. Strange and/or bad things can occur if you fail to head this warning!

b. Items in [ ] are buttons and/or knobs and { } are items you enter/see on the G4T screen.

c. Begin by pressing the [Page] button to turn the G4T on.

d. You will be using the [cursor knob] (it's the tall center knob with the four arrows on it) to move the cursor around to choose 'items' and the [**+**] button to select/enter.

e. After the "Welcome on board" greeting use the [cursor knob] to select {YES} when asked about the {Would you like to drive in Passenger Mode?} and the [**+**] button to select/enter.

f. Press the [MENU] button twice to get to the {MAIN MENU} screen.

g. Use the [cursor knob] to choose {System Setup} and press the [**+**] button to select/enter.

h. Select the {Simulator} tab and make sure the {Simulation} box is not checked.

i. **Please note the software version:**
   (ver. 2.06) Select the {Interface} tab and select/enter {**NEMA**} under {Serial Interface} and {**NEMA 9600**} under {External Port Driver}. Push [ESC] twice to exit.
   (ver. 2.07 or higher) Select the {Interface} tab and select/enter {APRS} under {Interface} and {**9600**} under {Baud Rate}. Push [ESC] twice to exit. (NOTE: Some users may see "Radio Link" instead of APRS).

j. Push and hold the [PAGE] button to get to the three second power down count to turn the G4T off. NOTE: This can be a little tricky in that your timing has to be good or else the unit will power itself back up again!

3. Making it all work!

a. Make sure both the Kenwood D700 and AVMAP G4T are turned OFF!

b. Connect the four pole 2.5mm communication cable end to the G4T's TMC receptacle and the three pole 2.5mm end to the D700's GPS receptacle. **IMPORTANT!** These are easily reversed and hooked up backwards…also…when connecting to the G4T make sure you plug into the TMC receptacle…not the ANT receptacle which is right next to it and the same size! Check for a good click into the unit.

c. NOW POWER UP BOTH UNITS!

d. If your Kenwood D700 powers up in VFO mode (voice communications) push and hold the [F] button for 1 second and then push the [TNC] button. This will open the {**TNC**} of your D700 and communications between the G4T and D700 should now begin.

e. DOES IT WORK?? You will know you have done it right when you see {GPS} blinking at the top of your D700 screen and {1200} just to the right of that constantly on. The blinking GPS means that your G4T is 'TALKING' to your D700!

To begin transmitting your position push and hold the [F] button for 1 second and then push the [Beacon] button.