

# KENWOOD TM-D700A

## CROSS-BAND REPEATER SET-UP

1. Turn radio ON
2. Ensure TNC is turned **OFF** [Depress and Hold Function button until "TNC" appears, then depress "TNC". Repeat until "TNC APRS" and "TNC PKT" are replaced with a **BLANK** display.]
3. Tune Band A (Left) to 2m Simplex or Repeater frequency (VFO or Memory Channel)
4. Conduct radio check on Band A.
5. Tune Band B (Right) to 70cm Simplex or Repeater frequency (VFO or Memory Channel)
6. Conduct radio check on Band B.
7. Depress Menu Button (Bottom, Right Side)
8. Rotate Tuning Knob (Bottom Left) to "RADIO" [1-]
9. Press "OK" button
10. Rotate Tuning Knob to "Repeater" [1-7]
11. Press "OK" button
12. Rotate Tuning Knob to "6" [1-7-6] [current selection will start to flash in bottom right corner of display]
13. Rotate Tuning Knob to "CROSS-BAND" [the display will flash "OFF", "Locked-Band", or "Cross-Band"]
14. Press "OK" button [Display will STOP flashing].

Note: This transceiver has an automatic 3-minute Time Out Timer.

To **Exit** Cross-Band Repeat:

1. Press Menu
2. Access 1-7-6
3. Press "OK"; rotate tuning knob to "OFF"; press "OK"
4. Press "ESC" (left side, bottom row of keys).

## PACKET TNC SET-UP

1. Connect Radio (DB-9F) to computer comm port using a *straight* modem cord with a gender bender (i.e. female connectors at each end).
2. Turn radio ON
3. Access Menu 1-6-1 to select Band A (2m) or Band B (70cm) as Data Band [Letter "D" on small black square indicated selected side]
4. Tune desired frequency on chosen Band.
5. Press **[F] (1 sec), TNC**, then **[F] (1sec), TNC** again to enter Packet mode. ["**TNC PKT**" should appear]
6. Confirm TNC in 1200 baud ["1200" shows in top right of display. From computer terminal program enter "Cmd:" mode and ""HB 9600" if 9600 baud required.]
7. Confirm c/s set [cmd: **MYCALL** callsign"]
8. Select and run desired computer application.

## APRS TNC SET-UP

1. Turn radio ON
2. Access Menu 1-6-1 to select Band A [Letter "D" on small black square indicated selected side]
3. Tune 144.390 Simplex on Band A (left side).
4. Press **[F] (1 sec), TNC** to enter APRS mode. ["**TNC APRS**" should appear.]
5. Access Menu 3-1 to programme desired callsign. Press "OK" to complete.
6. Access Menu 3-2, press "OK": Select "NMEA" if a GPS is plugged in and operating, or Select "Not Used"

*Skip next step if GPS attached.*

7. Access Menu 3-4, press "OK". Progressively enter the required local position information, pressing "OK" to accept and proceed to the entry item.
8. Access Menu 3-6, press "OK", select appropriate "Position Comment", press "OK" to exit
9. Access Menu 3-8: press "OK" and select appropriate ICON. For EOC select "OTHERS \k"; press "OK", for EOC enter "/", press "OK", enter small case letter "o", press "OK".

*Do NOT select "EMERGENCY" as this will trigger a "May Day" throughout the APRS system, activating the Search and Rescue System.*

10. Access Menu 3-C: press "OK", select "Auto", press "OK"
11. Access Menu 3-D: press "OK", select desired beacon interval (recommend 20), press "OK".
12. Access Menu 3-G: press "OK" and set "km", press "OK"
13. Access Menu 3-H: press "OK" and set "°C", press "OK".
14. Access Menu 3-I: confirm Data Band set to "A".
15. Access Menu 3-J: confirm Packet Speed set to "1200 bps".