

D710 Bluetooth Box User Manual

Ver:1.1 (February 10, 2026)

Manual Download: <https://avrtx.cn/>



The role of the Bluetooth box:

The D710 Bluetooth box is an interesting unit with a built-in Bluetooth module. When Bluetooth is connected to the D710, the Bluetooth module automatically sends serial port commands to the D710. Upon receiving the commands in TNC mode, the D710 enters a "KISS packet" bidirectional transmission mode. The packet data decoded and output by the D710 is transmitted to the Bluetooth module in the box via an 8-pin cable. The Bluetooth module then transmits the data to the APP (APRS.FI or APRSDROID), where you can view information such as the call sign, map location, direction, and distance of the APRS packet. Beacons sent by the APP software can be transmitted to the D710 via Bluetooth and emitted through radio frequency ...

Path:

APRS packet -> D710 receive -> Bluetooth box -> APP APP (APRS.FI or APRSDROID)
APP APP (APRS.FI or APRSDROID) -> Bluetooth box -> D710 transmission

Supported Radio models: TM-D710 / TM-D710G / RC-710

Bluetooth transmission version support: **BLE** and **spp**

Bluetooth broadcast name : **D710_BLE** , **D710_SPP**

Note1: **BLE** is used for **IOS** system, while **SPP** is used for **Android** system

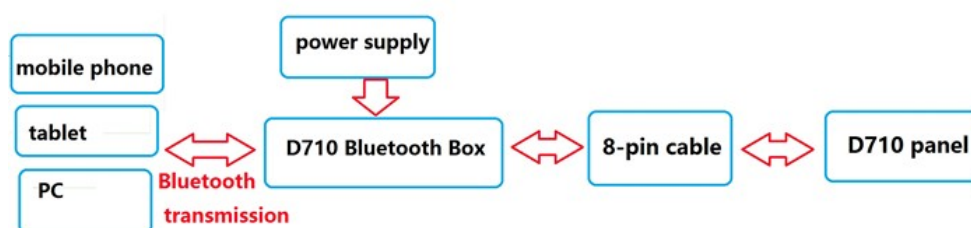
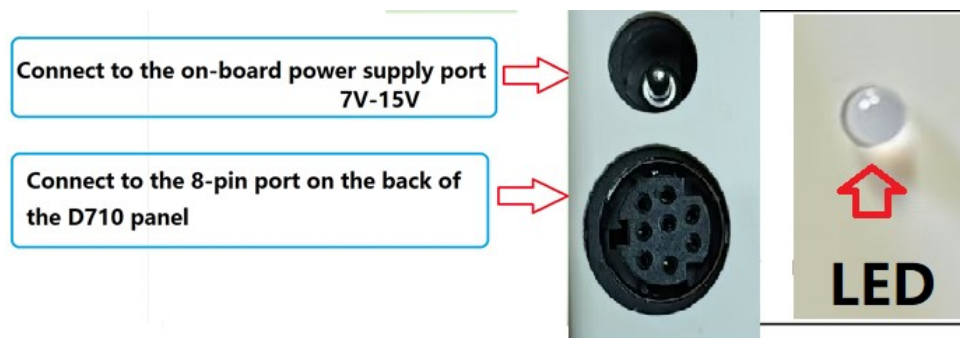
APP support:

IOS system: **APRS.fi**

Android system: **APRSDROID**

D710 Set the use steps:

1, Connect the D710 radio and power supply according to the picture.



The red LED inside the box will flash or light up when the power is on. If there is no flash or long light, there is no power supply to the box.

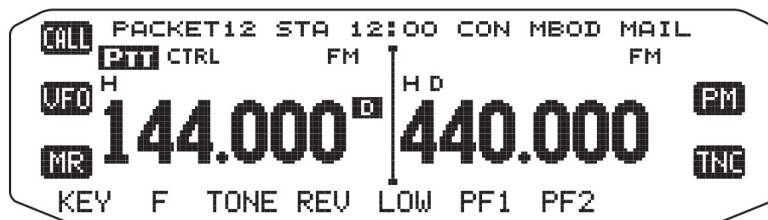
Red LED Blink = Bluetooth is not connected

Red LED Long light = Bluetooth is connected

2, Set the (519) PC PORT BAUDRATE: 9600 bps

3. Press the "TNC" key to access the **TNC interface**, Enter mode: **PACKET12**

<RC-D710 + TM-V71>



<RC-D710 + PG-5J>



4, mobile phone Bluetooth pairing, search conversion box Bluetooth name: **D710_SPP**, (NO password)

5, Run the APP to establish a Bluetooth connection, IOS Run **APRS.fi**, Android Run **APRSDROID**

APRSDROID Select Bluetooth name: **D710_SPP**

Connection protocol selection: **KISS**, Link type selection: **Bluetooth SPP**, Device selection: **D710_SPP**

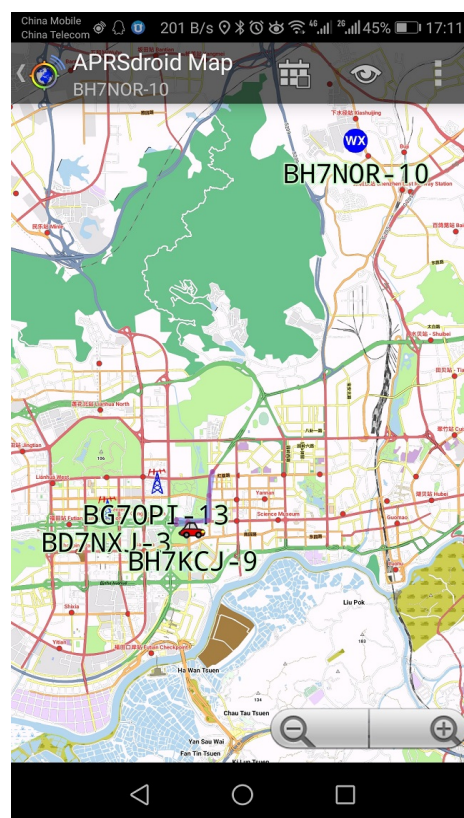
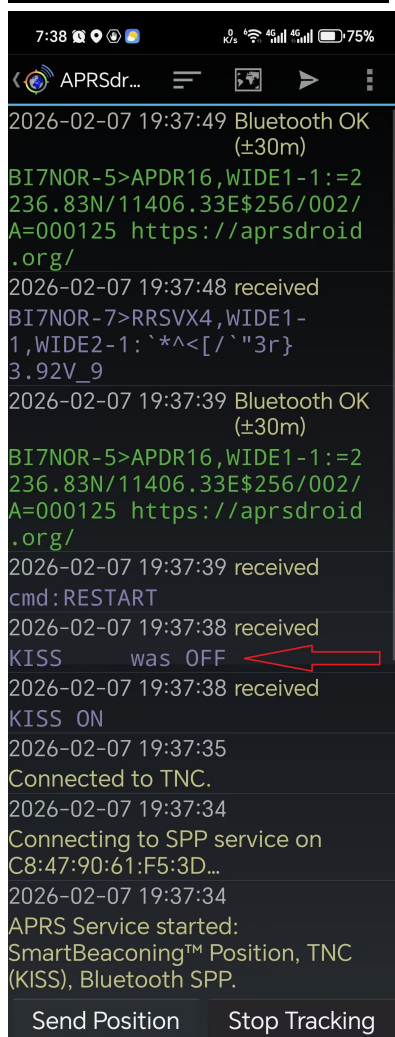
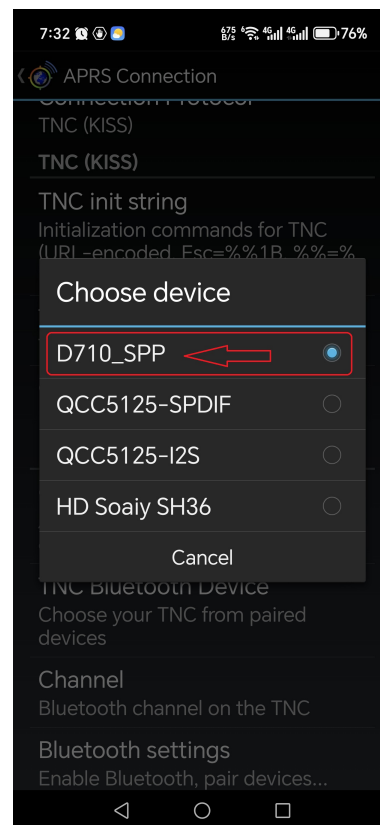
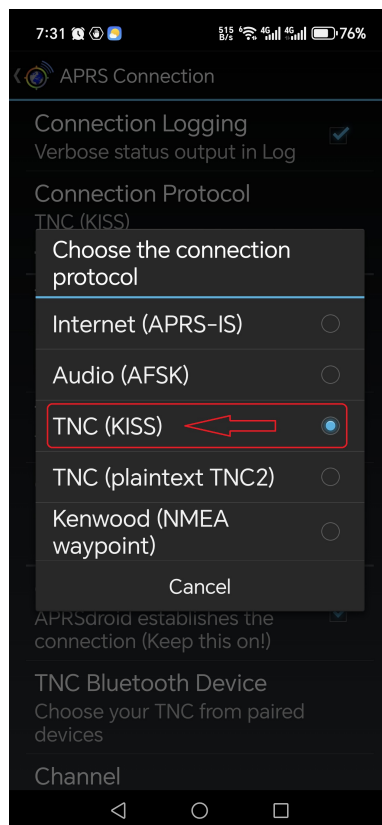
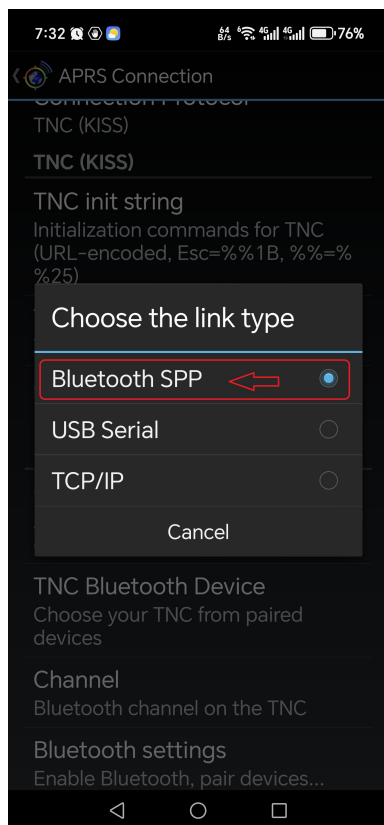
APRS.fi Select Bluetooth name: **D710_BLE**

APRS.fi menu: **MORE** -> **TNC&DSP MODEN** -> **Select a TNC or software modem**, Select: **D710_BLE**

!!!: If you need to refer to the setup images, the complete manual can be downloaded from the server:

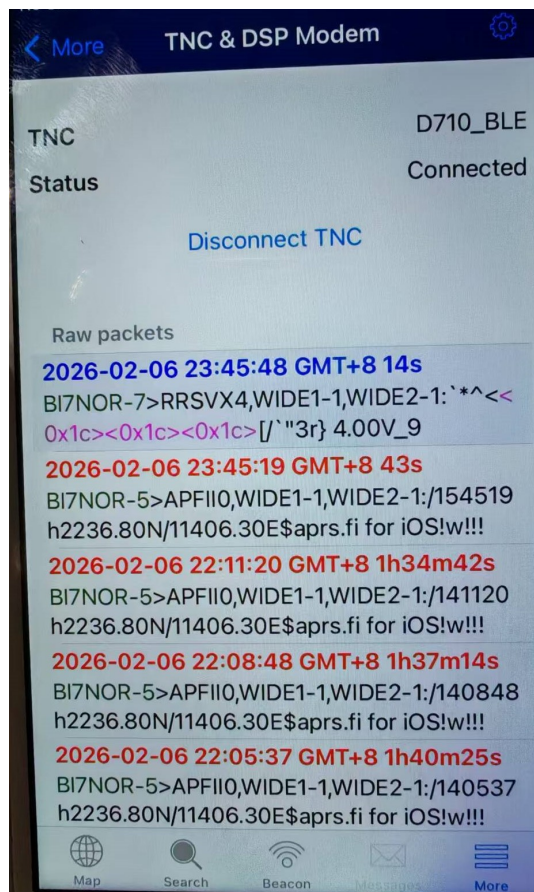
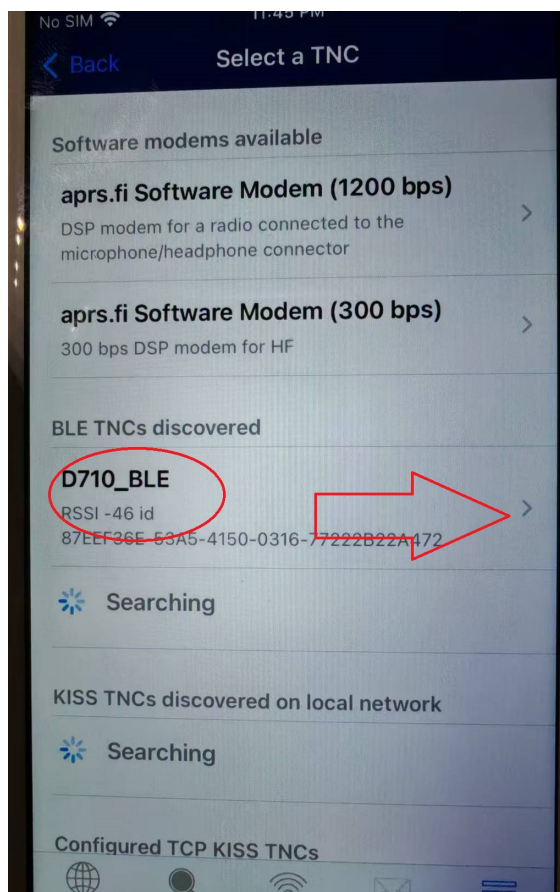
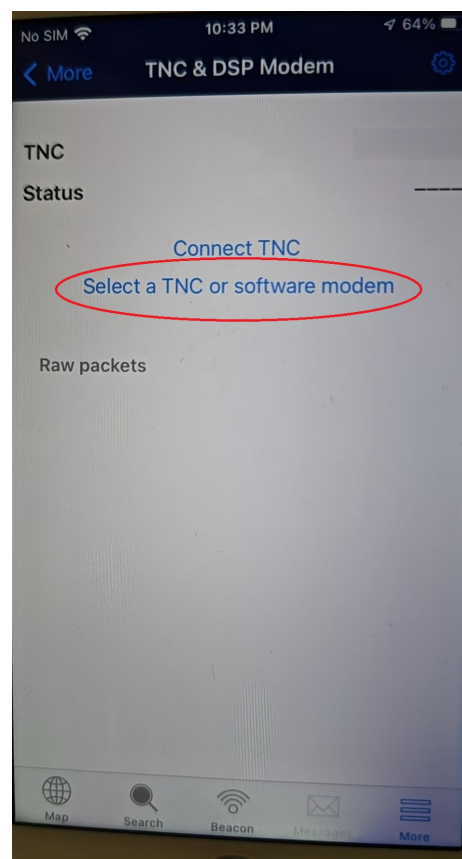
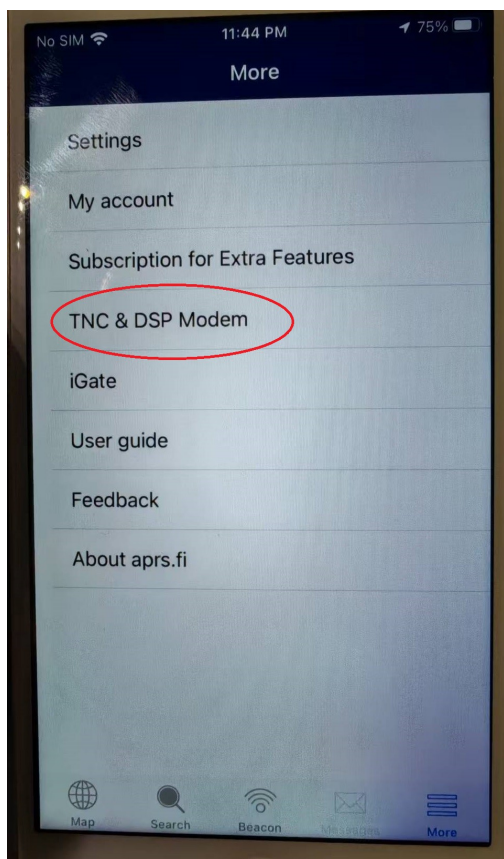
Manual Download: <https://avrtx.cn/> BI7NOR-Email: yupopp@gmail.com

APRSDROID Menu setting reference



When KISS bidirectional transmission is successfully activated, a prompt will be received:

KISS was OFF, At this moment, the "STA" and "CON" indicators on the TNC interface of D710 are **flashing**



After activating KISS bidirectional transmission on the D710, there is no prompt on the **APRS.fi**, and only the "STA" and "CON" flashes can be viewed on the D710 display screen

After establishing a Bluetooth connection, a serial command will be sent to activate: "KISS bidirectional transmission. Therefore, before establishing a Bluetooth connection, the D710 Bluetooth box needs to be connected to the D710 panel and powered on."