

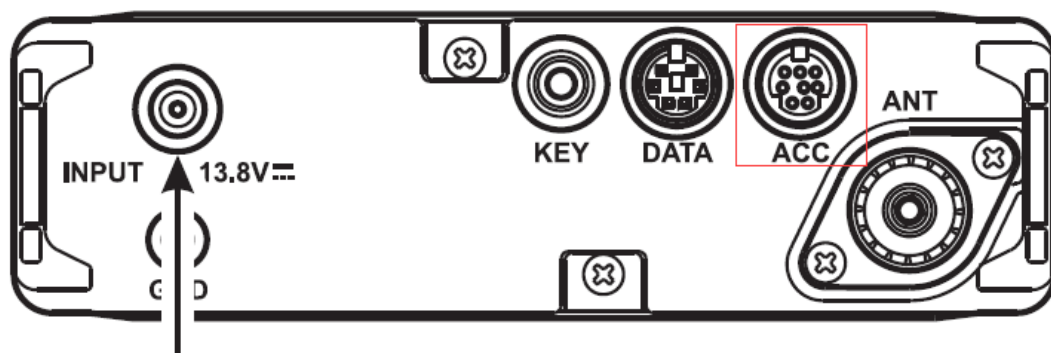
QSK T/R 开关与常用机型的连接方法 和注意事项

山寨黑科技工作室

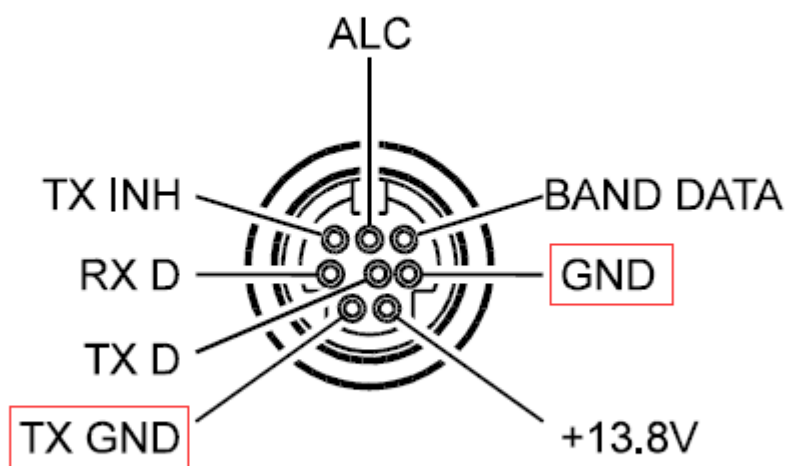
2017 年 **8** 月 **16** 日

FT-817ND

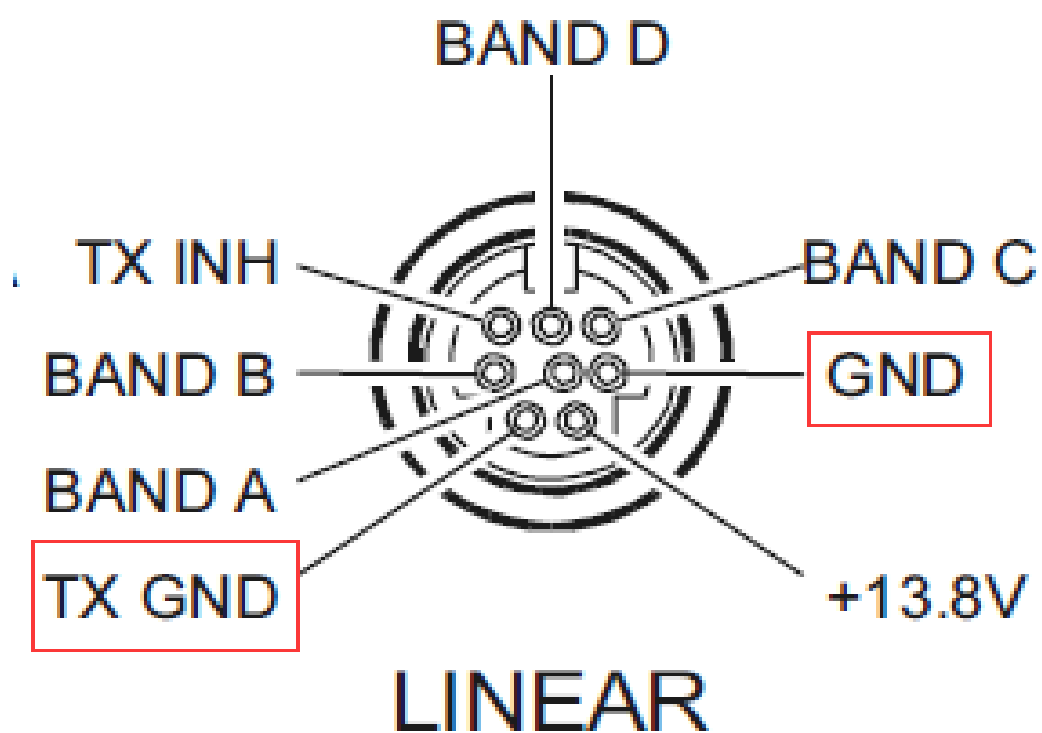
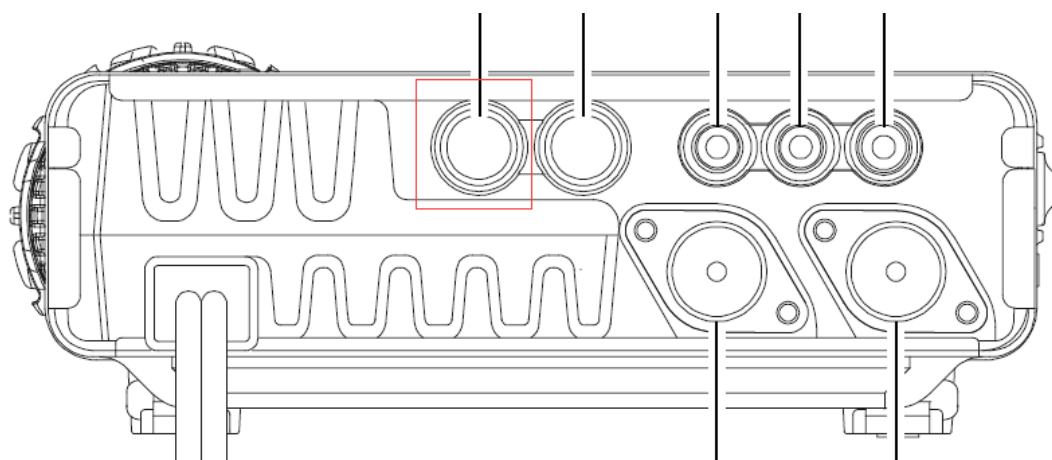
FT-817ND



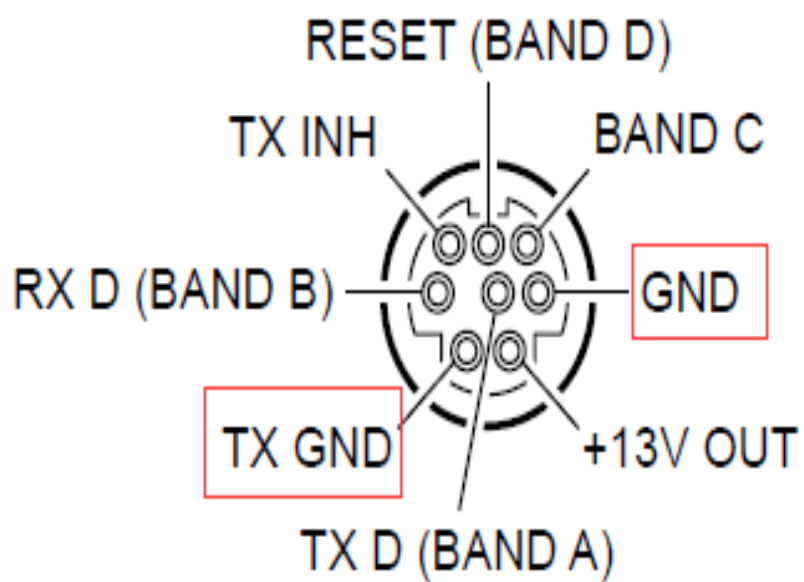
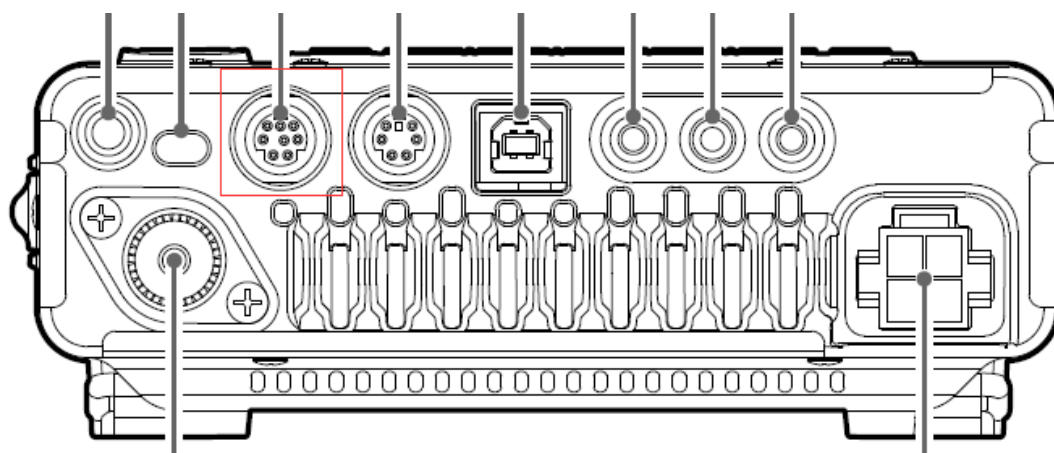
ACC



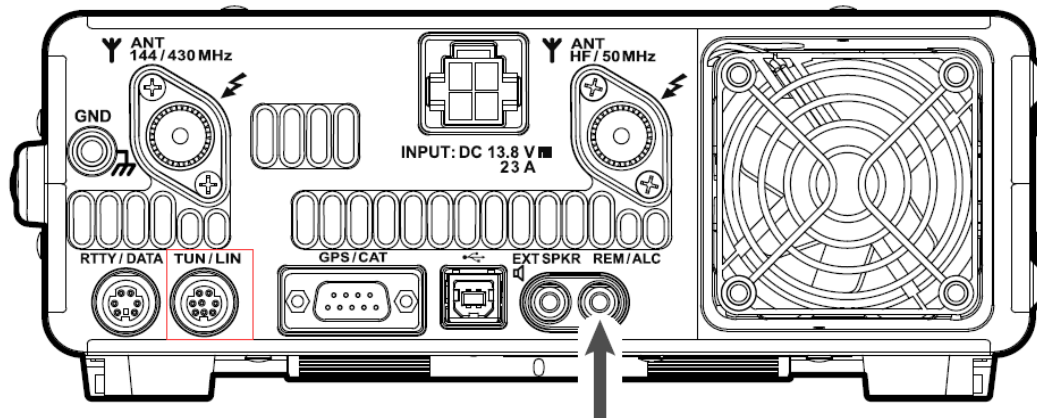
FT-857D



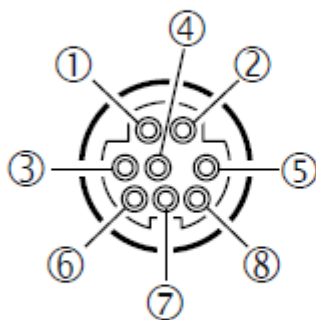
FT-891



FT-991



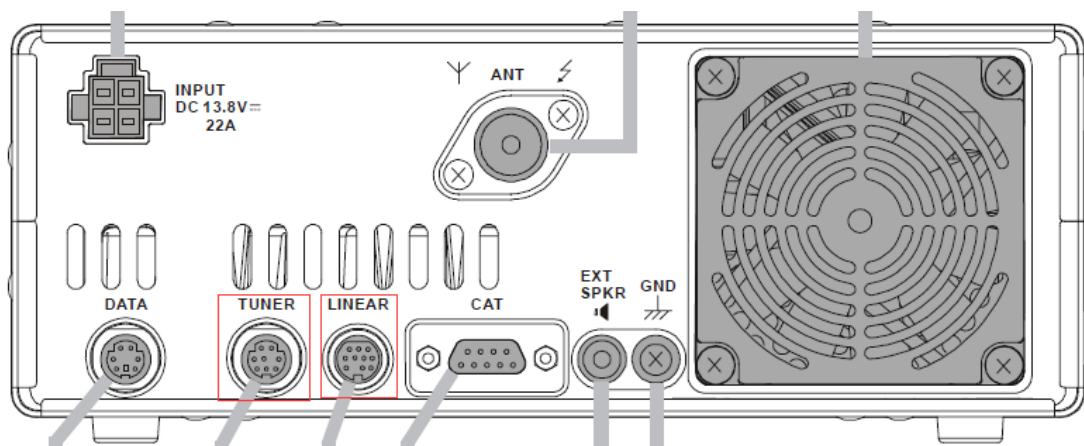
TUN/LIN



- ① +13V OUT
- ② TX GND
- ③ GND
- ④ TX D (BAND A)
- ⑤ RX D (BAND B)
- ⑥ BAND C
- ⑦ RESET (BAND D)
- ⑧ TX INH

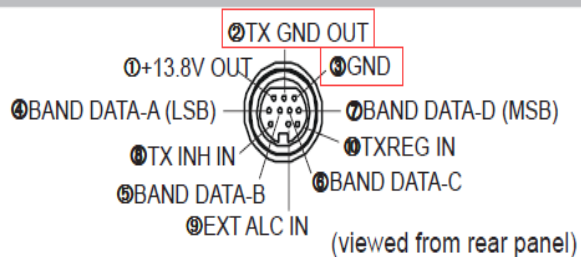
(as viewed from rear panel)

FT-450D



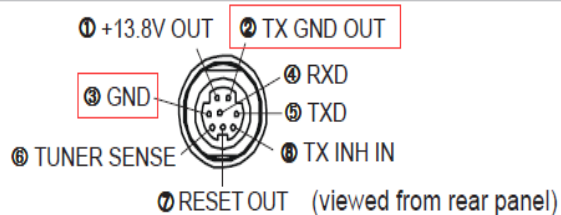
LINEAR Jack

This 10-pin output jack provides band selection data, which may be used for control of the optional VL-1000 Solid-State Linear Amplifier.



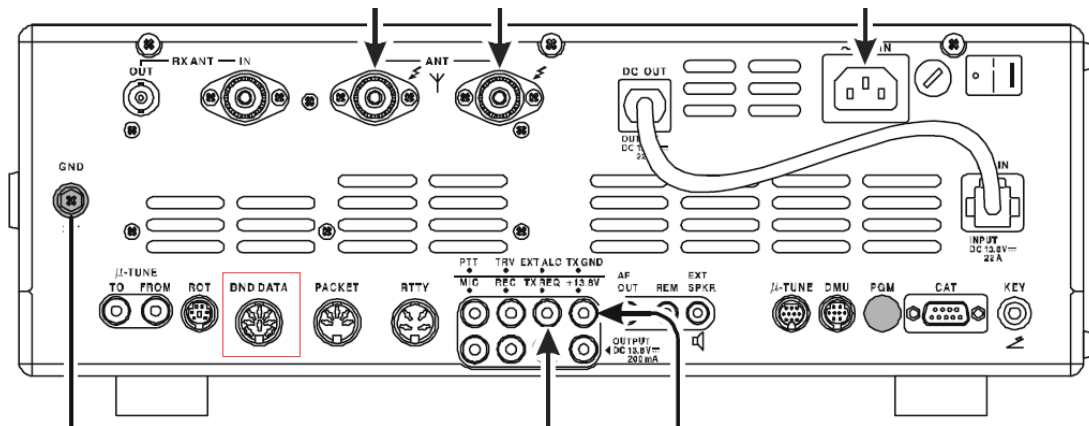
TUNER Jack

This 8-pin jack is used for Connection to the FC-30 or FC-40 External Automatic Antenna Tuner.

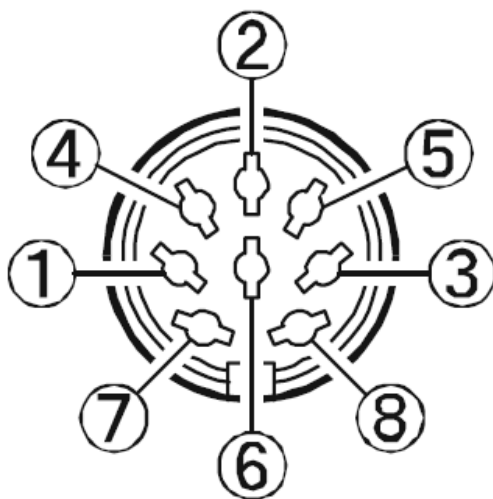


两个接口均可使用，任选其一即可。

FT-2000

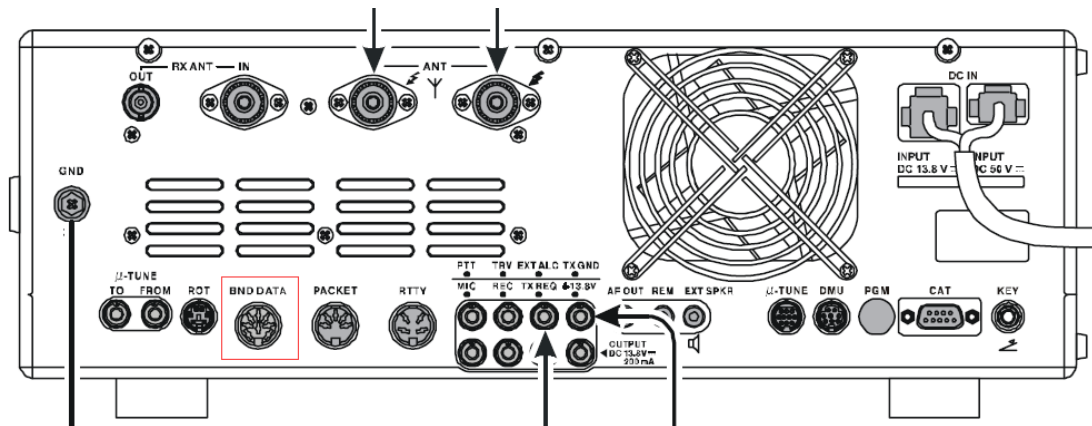


BAND DATA

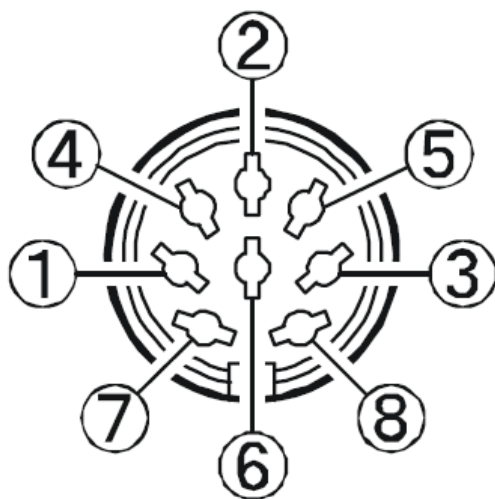


- ① +13V
- ② TX GND
- ③ GND
- ④ BAND DATA A
- ⑤ BAND DATA B
- ⑥ BAND DATA C
- ⑦ BAND DATA D
- ⑧ TX INH

FT-2000D

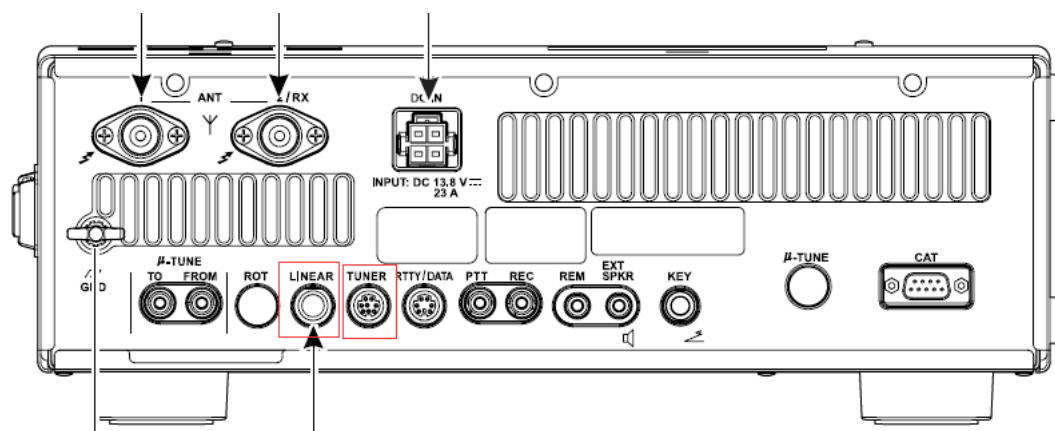


BAND DATA

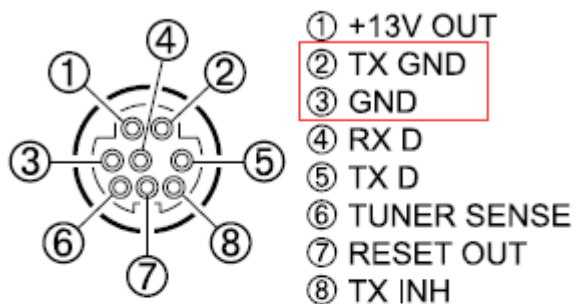


- ① +13V
- ② TX GND
- ③ GND
- ④ BAND DATA A
- ⑤ BAND DATA B
- ⑥ BAND DATA C
- ⑦ BAND DATA D
- ⑧ TX INH

FTDX-1200

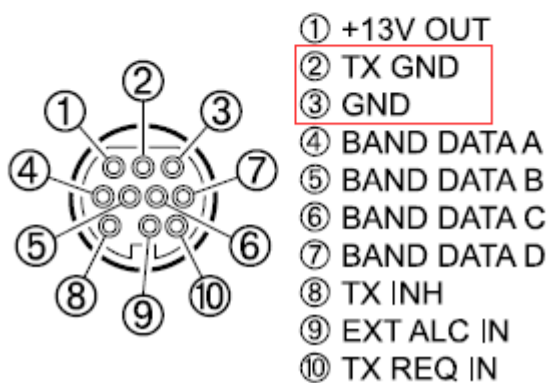


TUNER



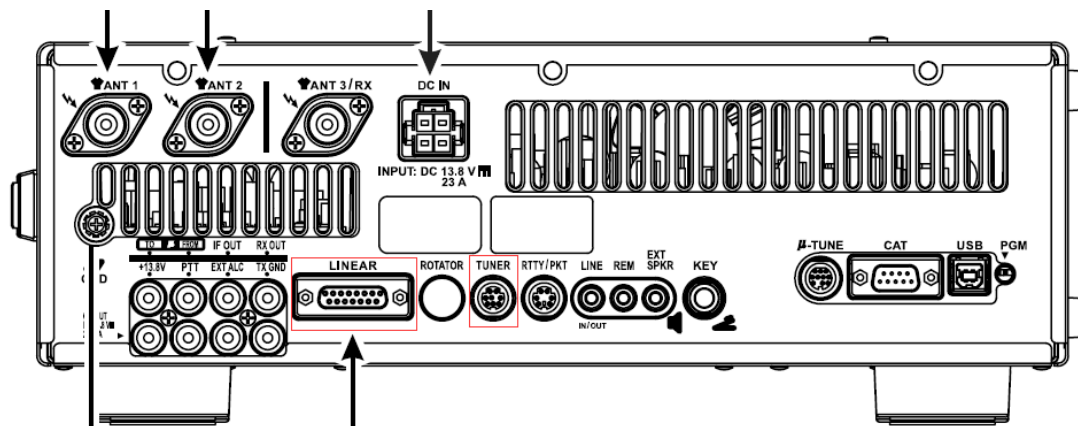
(as viewed from rear panel)

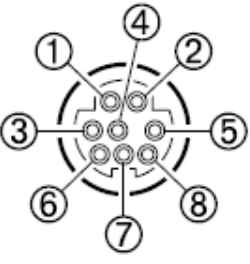

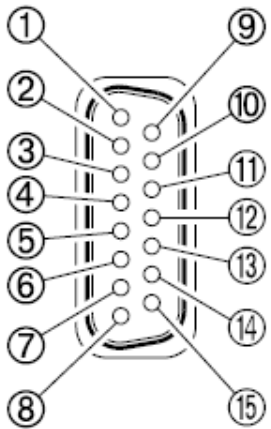
LINEAR



两个接口均可使用，任选其一即可

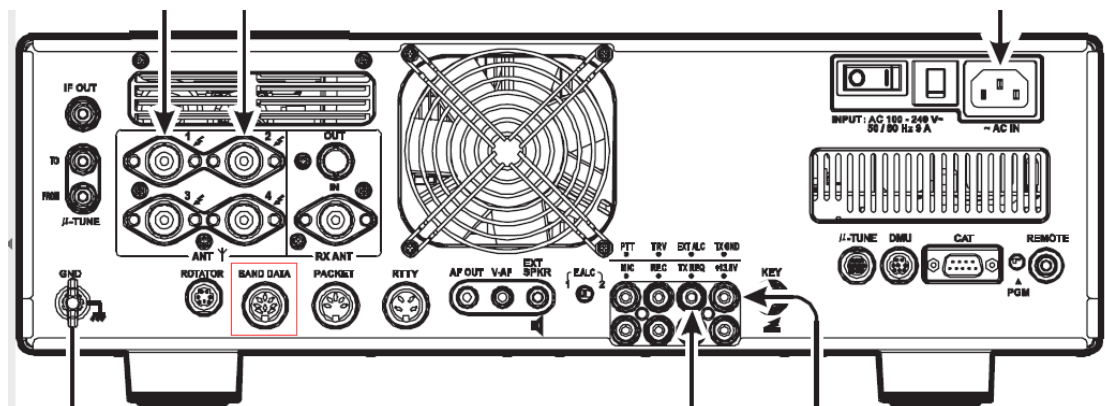
FTDX-3000



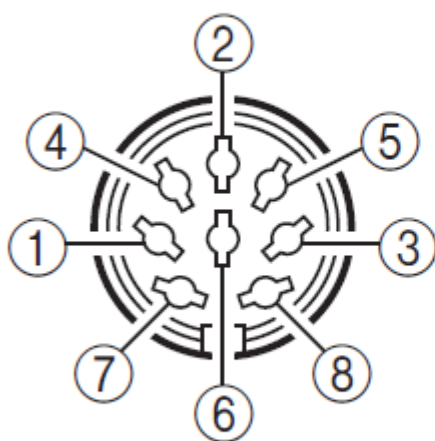
| TUNER | |
|---|---|
|  <ul style="list-style-type: none"> ① +13V OUT ② TX GND ③ GND ④ RX D ⑤ TX D ⑥ TUNER SENSE ⑦ RESET OUT ⑧ TX INH <p>(as viewed from rear panel)</p> |  <p>(as viewed from rear panel)</p> |
| LINEAR | |
|  <ul style="list-style-type: none"> ① +13.5V OUT ② TX GND ③ GND ④ BAND DATA A ⑤ BAND DATA B ⑥ BAND DATA C ⑦ BAND DATA D ⑧ TX INH ⑨ GND ⑩ NC ⑪ TX REQ ⑫ NC ⑬ NC ⑭ EXT ALC ⑮ GND <p>(as viewed from rear panel)</p> | |

两个接口均可使用，任选其一即可

FTDX-5000



BAND DATA

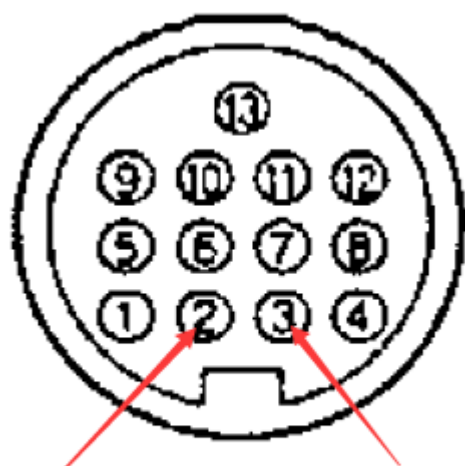


- ① +13V
- ② TX GND
- ③ GND
- ④ BAND DATA A
- ⑤ BAND DATA B
- ⑥ BAND DATA C
- ⑦ BAND DATA D
- ⑧ TX INH

(Vu du panneau arrière)

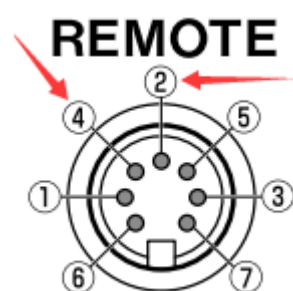
ICOM-706MKII;7100;7200;7410;7600;

备注：**7600** 的 **ACC2** 接口，其 **2** 脚和 **3** 脚同样适用



後視圖

KENWOOD TS-590SG;2000;2000X;B2000



注意事项:

使用前请首先确认是否可靠并正确的连接了如下线缆:

一、**13.8V** 电源接至 **T/R** 开关 **13.8** 端, 芯正外负;

二、电台与 **QSK T/R** 开关之间的馈线, 即电台 **ANT** 端至 **T/R** 开关 **TRAN** 端;

三、电台至 **T/R** 开关的 **PTT** 控制线, 即电台 **PTT** 控制输出 (见图) 至 **T/R** 开关 **PTT IN**;

四、天线接至 **T/R** 开关 **ANT** 端

注意: 在使用天调的情况下, 请将 **T/R** 开关接在电台与天调之间。如使用功率放大器, 请将功率放大器的 **PTT** 控制与 **T/R** 开关 **PTT OUT** 连接

上述连接确认无误后, **T/R** 开关才可通电 (这时请不要接入 **SDR** 接收机), 通

电后 **T/R** 开关的 **POWER** 指示灯 (绿色) 点亮。将电台输出功率调至 **5W**, 按下手咪发射键或电键, 观察驻波比值, 应该在正常范围内 (小于等于 **1:1.5**)。同时, **T/R** 开关的 **ON AIR** 指示灯 (红色) 点亮。

将电台输出功率调至 **50W**, 重复上述步骤。如果一切正常, 可将电台输出功率调至 **100W** 再次重复上述步骤, 全部正常后即可开始正常通联。

测试过程中: 驻波比偏高, 请检查馈线。移除 **T/R** 开关, 检查天线是否谐振, 驻波比是否在正常值以内 (小于等于 **1:1.5**);

按下发射键或电键, **ON AIR** 指示灯不亮, 请检查 **PTT IN** 连接是否可靠, 电台端接口是否连接正确;