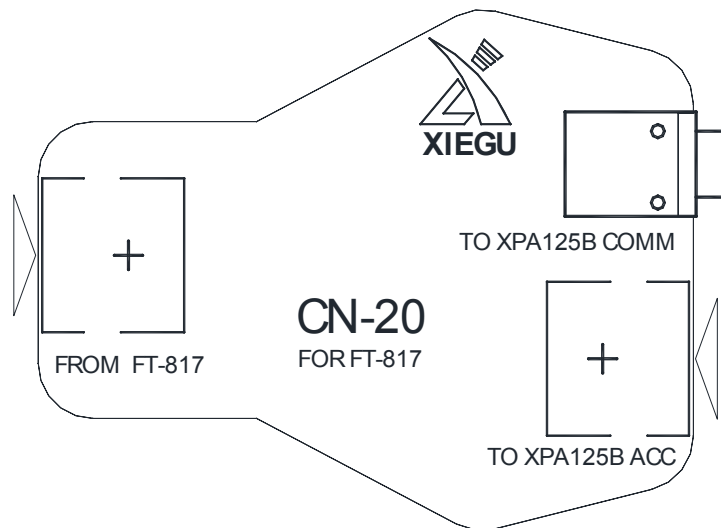


# CN-20 Adapter Instructions

**CN-20 Adapter is a device for connecting the 817/818 to the XPA125B.**

**Different types of adapters correspond to different radio equipment, please pay attention to distinguish the model description.**

**The CN-20 diagram is as follows:**



## **Manual mode connection instructions:**

1. Inserting the 8-pin butted line into the "FORM FT-817" port of CN-20 and the other end into the ACC port of the FT-817.
2. Inserting the 6-pin butted cable into the "TO XPA125B ACC" port of CN-20 and the other end into the ACC port of XPA125B.

Thus, connection of the manual mode be completed , please note:

1. In manual mode, it is necessary to manually switch the frequency band of XPA125B to the current working frequency band of FT-817;
2. Non-amateur frequency bands cannot be transmitted;

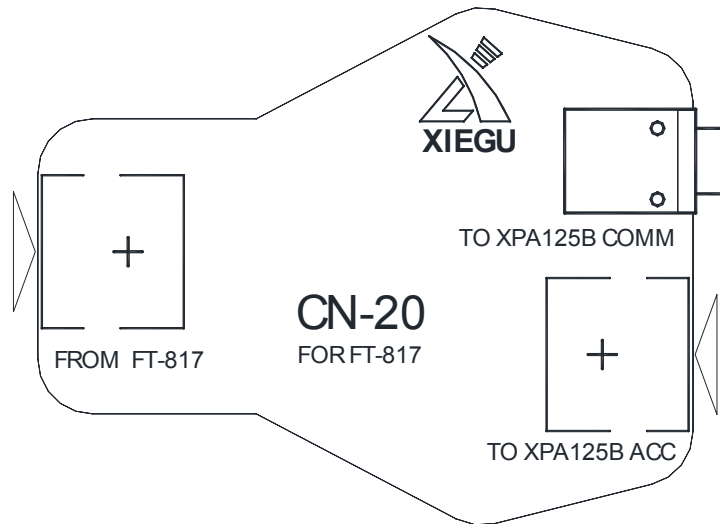
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**Automatic mode connection description:** (At present, the automatic mode is not activated, we may activate this function in the future firmware upgrade)

On the basis of the manual mode connection, inserting the 3.5mm stereo butted line into the "TO XPA125B COMM" port of the CN-20 and the other end into the COMM port of the XPA125B.

The CN-20 adapts the PTT signal of the FT-817 and adapts the ALC signal transmitted by the radio. The output power of the XPA125B can be automatically controlled by the FT-817. Achieve power amplification and control.

CN-20 适配器是用于其他电台设备与 XPA125B 相连接的设备。不同型号的适配器对应不同的电台设备，请注意区分型号说明。

CN-20 示意图如下：



### 手动模式连线说明：

- 1、将 8 芯对连线一头插入 CN-20 的“FROM FT-817”端口，另一头插入 FT-817 尾部的 ACC 口；
- 2、将 6 芯对连线一头插入 CN-20 的“TO XPA125B ACC”端口，另一头插入 XPA125B 尾部的 ACC 口；

至此，完成手动模式的连线，请注意：

- 1、手动模式下，需人工切换 XPA125B 的频段至 FT-817 当前工作频段；
- 2、非业余频段无法发射；

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### 自动模式连线说明：（目前暂未开通自动模式，后续固件升级开通）

在手动模式连线的基础上，用配送的 3.5mm 立体声对连线一头插入 CN-20 的“TO XPA125B COMM”端口，另一头插入 XPA125B 尾部的 COMM 端口。

CN-20 适配了 FT-817 的 PTT 信号，并适配了主机传送的 ALC 信号，可由 FT-817 自动控制 XPA125B 的输出功率，实现功率的放大和控制。