

Web Store: <http://transverters-store.com/>

1. Pinout of the connectors is shown on the picture and described below.
2. **RF input** power to the transverter from your HF transceiver should be **NO MORE** than **20 mWt (0.02 watts max)**. You can adjust it using **Rinp** pot on the board.
3. DC supply is **+12 V**
4. RF Output power on **432 mhz** is about **1.5 to 2 watts**.
5. To get the transverter switched to the **TX** mode close the **PTT line to the ground**.
6. Rpot next to the output transistor adjusts its **BIAS**.
7. Rpot next to the 4 pin connector adjusts **IF input level**.

**There is a description of the connectors pins:**

1. IF 28 mhz transverter input – output line
2. Ground
3. PTT line ( ground it to switch it to the TX mode)
4. **Separate RX 28 mhz line (remove JP1)**
5. +12 V
6. Ground
7. Antenna 432 mhz
8. Ground

**Initially there is the common IF 28 mhz RX/TX line on the pin 1.**

**Removing JP1 jumper allows you to use the RX/TX lines separately (TX pin 1, RX pin 4).**

**To read below and mount your transverter EXACTLY as described.**

The transverter board **SHOULD BE MOUNTED** onto the heat sink. Using a tip of the knife or other tool carefully remove green varnish covering around the mounting holes of the transverter board. Using a solder to tin these surfaces.

Using the metal bolts screw down the transistor onto the heat sink and then put a few insulated nuts or washers under both mounting holes between the board and the heat sink so to get the board flat mounted above the heat sink about a few millimetres. Or you can just use the pieces of plastic between the board and heatsink under mounting holes drilling the holes in and get the bolts through. Both mounting bolts should have a good contact to the transverter board ground.

**The stable work of the transverter depends of this!**

**The output transistor should be mounted onto the heat sink without insulation.**

**To check mutual GROUND of the output transistor, heat sink and board.**

**All RF RX and TX lines should be done with the coax cable !**

**BE CAREFUL !**

**Applying more than 0.1 W from your radio to the transverter board you instantly get the transverter board killed.**

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