

Front Panel

A single press advances the band of the output through the 4 bands in the order 160m, 80m or 40m. A double press (2 quick presses) advances the multiplier for the 2nd line display, 1, 2,3 or 4

Top line, shows current frequency setting and current VFO, A or B. VFO A is shown.

Bottom line, shows current frequency setting multiplied by a factor of 1, 2, 3 or 4. Case shown is for an output frequency in the 40 m band and a transmit frequency on 15 meters.

A single short press toggles between VFO A and VFO B or vice versa. A long press equates the two VFOs, setting both to the displayed frequency.

Adjusts the time that the T-R relay remains in transmit position. This is the time from key up, adjustable from zero to about 5 seconds.



Adjusts RF output level from zero to about 18 volts peak-to-peak

Keys transmitter if the "KEY" line is connected and enables VFO output

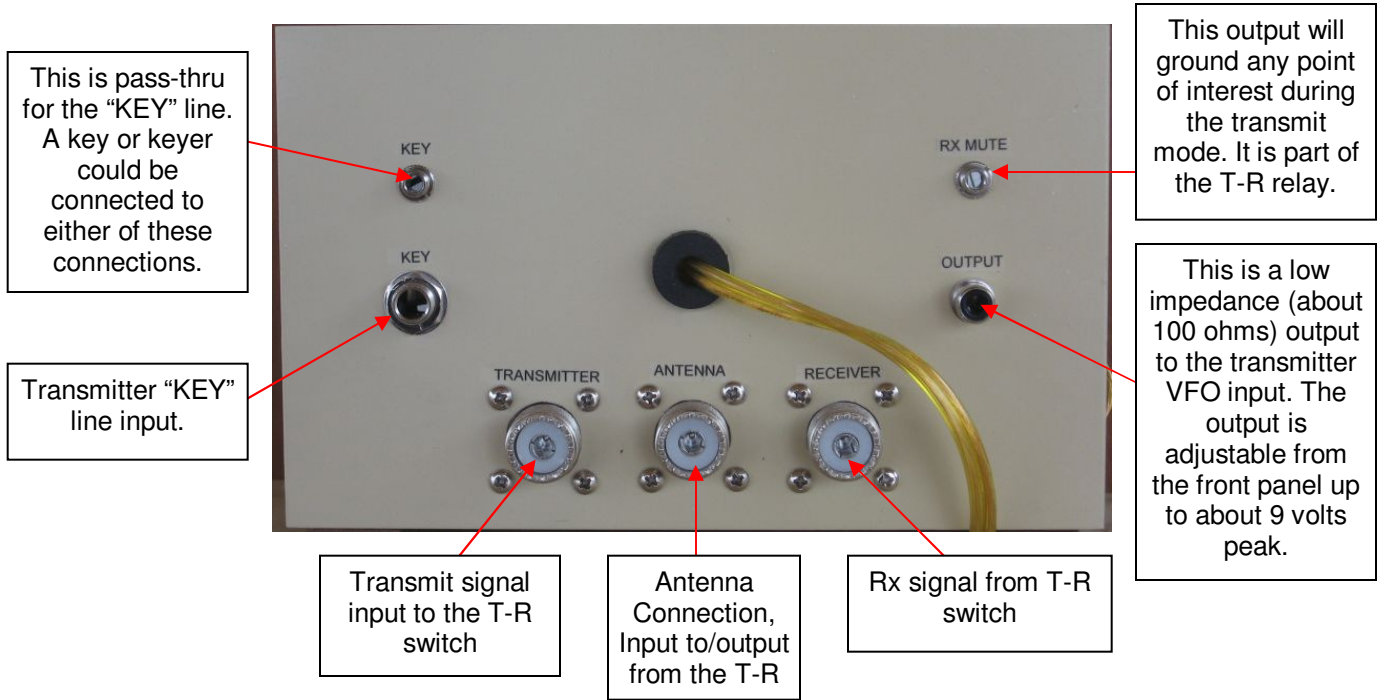
Main tuning control, variable rate. Slow rotation rate produces about 1 KHz per revolution. Faster rotation produces up to several 10's of KHz per revolution.

Turns on 117 VAC

During receive, the VFO output is turned off. While this button is pressed, the output is turned on for spotting.

NOTE: The firmware is configured so that there is no RF output from the VFO unless the VFO is keyed or the SPOT button is depressed and pin 7 of J1 is properly terminated. When keyed, the VFO remains keyed during the delay period of the T-R switch. If you wish not to have a T-R switch, pin 7 of J1 must be grounded. There will be no RF output unless the VFO is keyed (by grounding pin 4 of J1) and unless there is a voltage between 0 and 5 volts on pin 7 of J2.

Rear Panel

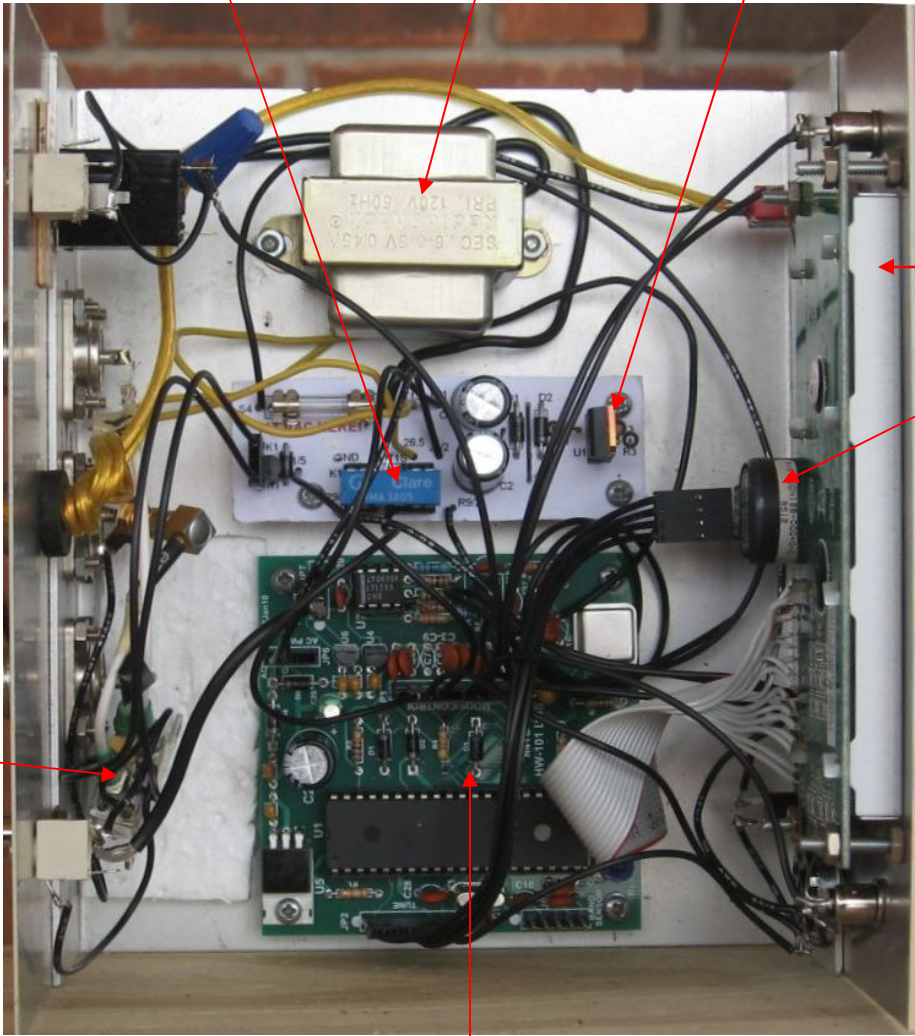


Interior

Reed relay for reducing output gain during spot. This has been found to be unnecessary and is not used.

12.6 VAC Transformer

26.5 Volt Regulator

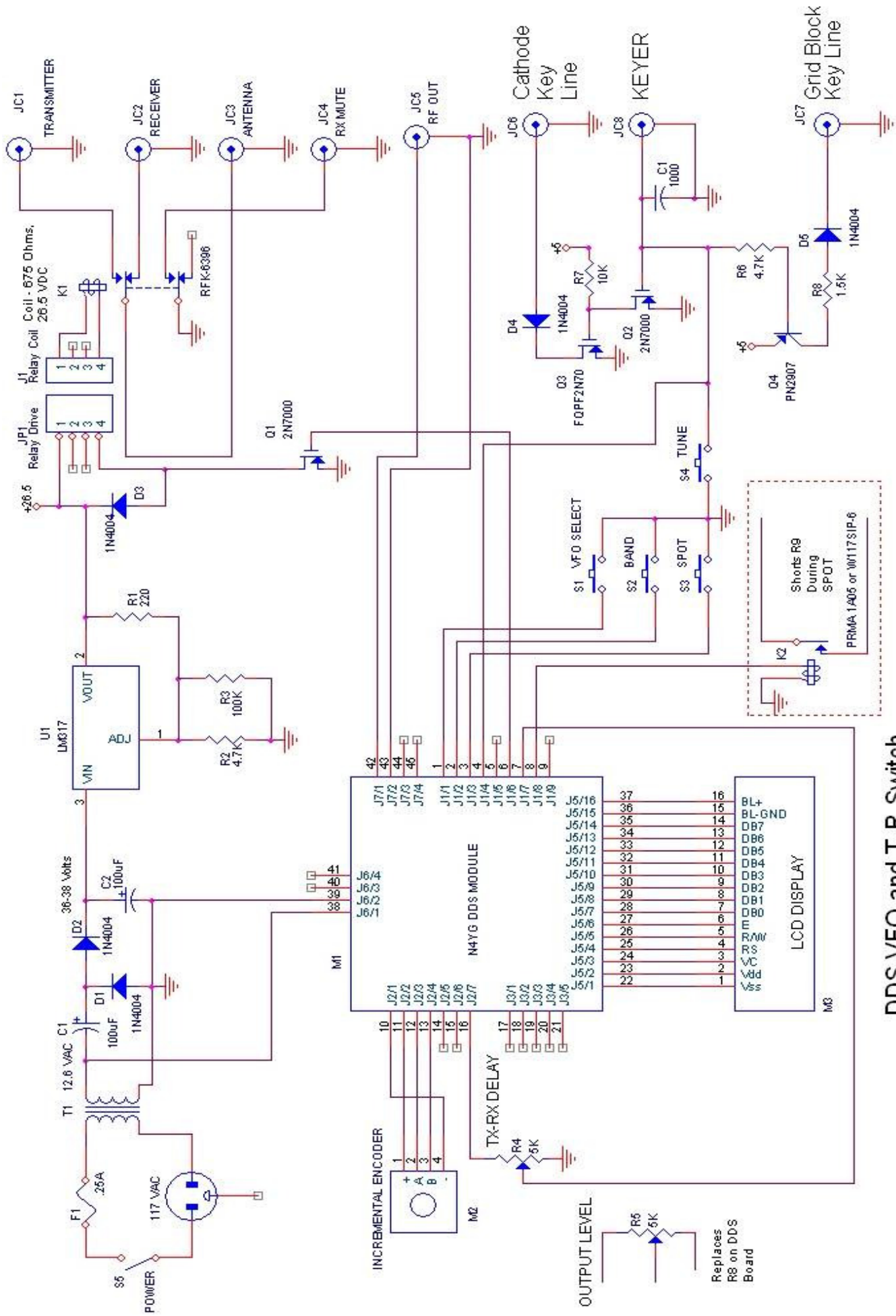


LCD Display

Incremental Encoder

T-R Relay

DDS Board



DDS VFO and T-R Switch