

Just a few notes on the provided software in THIS DIRECTORY.

The software package in the github: [T41/T41_V012_Files_01-15-24 at main · DRWJSCHMIDT/T41 \(github.com\)](https://github.com/DRWJSCHMIDT/T41_V012_Files_01-15-24_at_main) is intended to be test software for building your V012 T41 project... NOT the final software being developed by Jack or the group. It has all of the functionalities for base-level receiving using the new “MAIN” board and “RF” board. Many of the options are not yet supported as detailed below. This list will be updated as options become available.

MAIN BOARD

1. On-Off routine. Interrupt routine call on Teensy pin 2. Currently not complete.
2. Muxed Band output nibble for “BAND” connector on Teensy pins 22, 23, 20, and 21. Currently not complete.
3. REF and FOR analog lines for a stand-alone line section Input on Teensy pins 18 & 19. Currently not complete.
4. Second Receiver connection to “ENCODERS” connector. Currently not complete.

FRONT PANEL BOARD

1. Switch and encoder I2C expansion and operation. John Melton completed 1/1/24.

RF BOARD

2. Routine for Quadrature from si5351 on RF board. Complete by Al and active as of 1/12/23.
3. MF divider option. Currently not complete.
4. Auto Cal switch. Currently not complete.
5. TX RF Input Attenuator. Al has test code but not public.
6. TX RF Output Attenuator. Al has test code but not public.

BFP BOARD

1. BPF Band and bypass Selection. Currently not complete.

T41 4-BAND LPF

1. BPF Selection. Active from V011/ Same code.

K9HZ 11-BAND LPF

1. Band Selection. Currently not complete.
2. Transverter Option. Currently not complete.
3. Power/ SWR. Currently not complete.
4. Antenna Selection. Currently not complete.
5. BPF selection. Currently not complete.
6. 100W Module Option. Currently not complete.

RF BOARD #2 – SECOND RECEIVER

1. Routine for Quadrature from si5351 on second RF board. Currently not complete.

K9HZ 100W Module

1. Current Monitoring. Currently not complete.
2. Bias Set. Currently not completed.
3. Temperature monitoring. Currently not complete.