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Yaesu FT-1802 “Software” Mods

This info was taken from the following website: <http://www.oknation.net/blog/print.php?id=55404>

Remember Please use Caution when performing Mods as they CAN DAMAGE YOUR RADIO.

The Yaesu FT-1802 is a 50watt 2 meter FM rig with some very interesting software mods anyone can perform. Additionally there is a service menu that can be used to fine tune the radio... but with caution.

1) The “My Key” Mod

If you don't have a Wires host in your area you can still make use of the Wires button (the one with the atom symbol on it) on the front of the radio. Turn your radio off from the front of the radio; hold the wires key down while you turn the radio back on. When the frequency display comes back on the button is transformed into a programmable soft key like the ones on the Mic. By default pressing it will display the internal voltmeter. If you go into SET mode pressing the wires key for 2 seconds will program it to whatever menu function is currently selected. (I use mine for the RF squelch)

To undo this repeat the procedure.

2) 2 Metre Only Receive - Wide Band RX

Turn your radio off. Press and hold the Wires and SET buttons while you turn the radio back on. This will display the ALL RESET message. Pressing MW will reset the radio. Turn it off and back on and your receiver is restricted to 144 to 148 mhz. You will have to reprogram your radio. If you are using the computer software for this anything outside the 2 meter band will produce errors.

To undo this repeat the procedure.

3) Display Test Calibration (Service) Menu

Think you messed up your display? Press and hold the SET key while turning on the radio. It will come on with all display segments turned on.

Turn the radio off and back on to resume normal operations.

4) Calibration (Service) Menu

WARNING: You mess with this section at your own risk!

To enter the service menu go to VFO mode, turn off your radio, press and hold the DW and MW keys while you turn it back on. When it comes on you will be in a service menu where the item selection is on the right of the display, where the memory channel number usually sits.

The service items are:

RF ... Frequency adjust

TN ... Receiver sensitivity tuning

TL ... Trigger Level (squelch adjust)

S1 ... S-Meter low threshold

S9 ... S-Meter high calibration

HP ... 50 watt power adjust

L3 ... 25 watt power adjust

L2 ... 10 watt power adjust

L1 ... 5 watt power adjust

DV ... Deviation Adjust (DTMF/Voice)

100 ... CTCSS level adjust

DL ... DCS level adjust.

To select from the menu rotate the tuning knob.

To see/set an item pres MW

To adjust the item rotate the tuning knob.

Press MW to return to select mode.

Before you decide to tinker with any of this write down the original settings so you can restore them if needed.

When done press DW to save the settings and restart the radio.

To exit this menu Without saving changes turn off the radio without pressing the DW button.

Some "tone deaf" repeaters might benefit from a slight increase in the CTCSS levels (set to 15% at factory) and you might find that decreasing the Trigger Level makes the squelch control a lot more effective.

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