



WWV/HF Radio – Version 2 Notes

Version 2 of the WWV/HF experimenter's radio from Electro-Resales, differs in a few areas, while we update the version 1 user guide to reflect these changes please refer to this sheet to better understand what has changed.

1. Inclusion of an on/off switch, the on/off switch is located between the antenna BNC and the power input jack, move the slider to the ON position to start the radio.
2. 50Ω terminator installed. A 50Ω termination resistor is permanently included now on board, marked as R2. This terminator assists in reducing issues with the LO inject socket.
3. LM386 gain header. C10 has been permanently installed on the PCB, and a header added that can be used to switch the capacitor into the amplifier circuit. When the radio is being used with the supplied 10 MHz block oscillator, the header is not generally needed, however, if a DDS or other signal generator is used the header can be added, to boost low signal volume.
4. AF and RF Gain controls now operate so that rotating the control clockwise increases gain. As previously always start with the controls at the mid-point detent, and adjust from there.
5. Re-spinning the PCB has given the opportunity to make some minor layout changes to improve overall RF stability.

Refer to the attached board photo also to review the above noted changes.

