

QUASAR PREBUILT HIGH POWER FM TRANSMITTERS **TUNING INSTRUCTIONS - 1021 (15 Watt) & 1031 (25 Watt)**

Please read and follow these instructions carefully in order to tune and align your transmitter correctly.

CAUTION: NEVER operate the transmitter without connecting a suitable antenna or 50 Ohm load dummy to the output otherwise there is a serious danger of destruction of the output stage of the transmitter. Connections should be made using 50 OhmW coax cable (our Order Code RG58 – see <http://www.quasarelectronics.com/rg58.htm>).

Tuning Instructions

To change the transmitting frequency of your transmitter, simply follow these instructions.

1. Connect an SWR meter (RF Power Meter) between the transmitter output and the antenna.
2. Connect the power supply to the PCB terminals marked '+' and '-'.
3. Adjust the to the desired transmitting frequency using C6 variable capacitor.
4. Adjust the variable capacitors C14, C15, C18, C19, C23 and C24 in sequence so that maximum power reading is given by the SWR meter.
5. Use the potentiometer P1 to adjust the AF modulation to the desired level.
6. Repeat this process a few times to fine tune the transmitter.

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