The DenTron 160 - 10 AT Antenna Tuner (Transmatch), will couple a 160 - 10 meter Transmitter to almost any type antenna system.

The 160 - 10 AT, when properly adjusted, will tune out load reactance, and transform the load impedance to 50 - 70 ohms.

The 160 - 10 AT also includes a highly efficient balun, so antennas fed with open - wire line may be properly tuned to desired frequency.

The 160 - 10 AT may be used with coax-fed antennas as well as end-fed single wire types.

**INSTALLATION**

1. Hook ground wire on back of tuner.
   a. a good ground is very important when using end-fed wire antennas.

2. From the rear panel marked “transmitter”, connect a coax cable to an SWR bridge that is connected to the station transceiver.

3. **ANTENNA CONNECTIONS:**
   a. Coax fed antennas to coax feedline.
   b. End-fed wire to SINGLE WIRE TERMINAL.
   c. OPEN WIRE FEED to BALANCED FEED LINE TERMINALS and also JUMPER WIRE to SINGLE WIRE TERMINAL (dotted line).

**OPERATION**

1. Set “Transmitter Matching” and “Antenna Matching” Controls to “5”.

2. Listen on receiver for maximum band noise while turning inductance control for maximum noise.

   (A is highest frequency, L is lowest frequency)

3. Feed enough power through the system to get a reading on the SWR bridge in the reflected position.

4. Rotate Inductance Control for a drop in SWR reflected reading.

5. Adjust “Transmitter Matching” and “Antenna Matching” control for minimum SWR.

6. Now apply full power and touch up “Transmitter Matching” control if necessary.