

forth. However, if the operator stops talking for a longer period of time, the preamplifier will, of course, try to switch into its receive mode. This is perfectly normal.

The PT-3 can be used with transceivers having a maximum output of 350 watts. Power levels greater than 350 watts will damage the PT-3. If a linear power amplifier is used, it must be placed between the PT-3 and the antenna. At no time should the linear amplifier's output power be fed into the PT-3! Damage will result if this precaution is not heeded.

INSTALLATION

(1) Remove the coaxial "antenna" line from your transceiver and connect it to the jack at the rear of the PT-3 that is marked "Antenna". Using a piece of coaxial cable, which has coaxial connectors at both ends, connect one end of this cable to the jack at the rear of the PT-3 that is marked "TRANS.". Connect the other end of the cable to your transceiver's antenna jack. See Figure 1. In those installations employing a linear amplifier, the PT-3 is inserted between the linear amplifier and the transceiver (NOT BETWEEN THE ANTENNA AND THE LINEAR AMPLIFIER). See Figure 2 for the proper installation when using a linear amplifier.

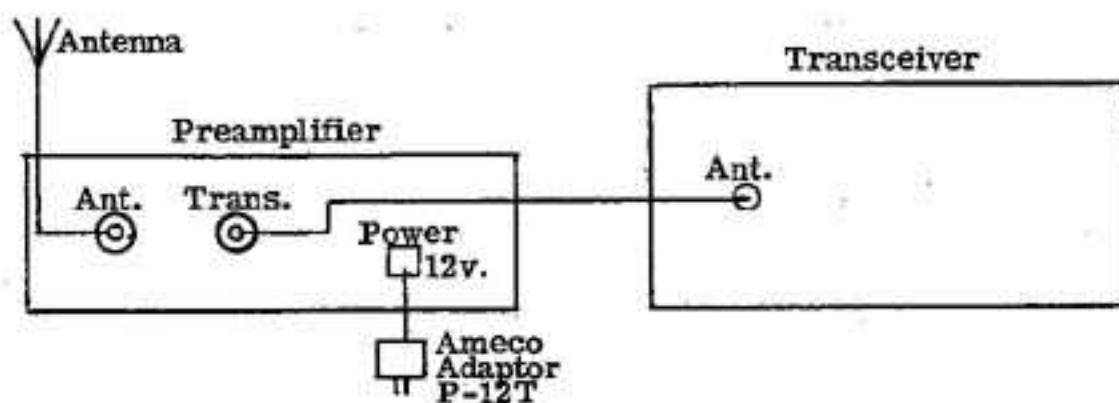


Figure 1. Installation of PT-3 with transceiver only.

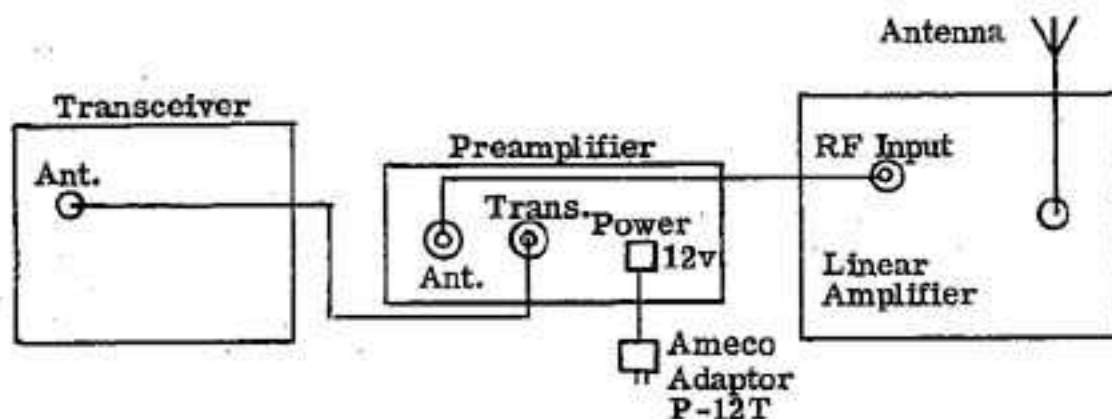


Fig. 2. Installation of PT-3 with transceiver and linear amplifier.

(2) Connect a 12 volt DC supply, using a proper connector and observing polarity, to the jack at the rear of the PT-3, marked "Power 12 V. DC". If 120 volts AC is available, the Ameco P-12T, described above, can be used to change the 120 volts AC to 12 volts DC.

OPERATION

THE PT-3 MUST BE INSTALLED PROPERLY BEFORE OPERATING. SEE THE PREVIOUS PARAGRAPHS. With the PT-3 POWER switch in the "ON" position and the PREAMP. switch in the "OUT" position, the preamplifier will be out of the circuit and the transceiver will operate normally. With the PREAMP. switch in the "IN" position, the preamplifier section of the PT-3 will be active and will increase the gain of the receiving system. Tune the preamplifier as follows: