

2. MICROPHONE - The TR-6 is designed for use with a high-impedance, high-output microphone (ceramic or crystal).

A microphone with a wide and flat frequency response will enable you to obtain peak performance from your TR-6. For good VOX (voice control) operation, it is desirable for the mike to have a cardioid pattern to reduce pickup from the back and sides. This enables you to operate with higher receiver audio gain, giving better VOX operation and reducing echoes, reverberation, and noise pick-up in the fixed or mobile installation. Microphones with limited low or high frequency response and with peaks in the voice range should be avoided.

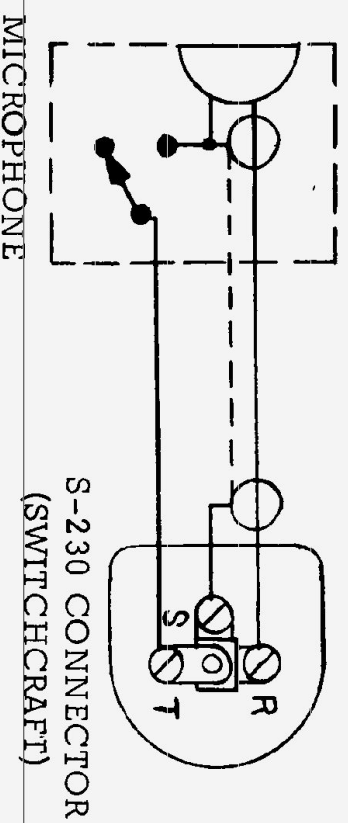


Fig. 4

A three conductor microphone plug (Switchcraft type S-230) is provided with the TR-6. The microphone must be connected as shown in fig. 4 for proper VOX and push-to-talk operation. Many microphones that are furnished with a switch are wired so that the microphone cartridge is open or short circuited unless the switch is depressed. This function must be defeated or VOX operation will be impossible.

The Drake 729 SRD microphone is available at a reasonable price and comes properly wired to the plug. It has a high impedance output and cardioid pattern.