Multi-Channel Products for Kenwood -150, -180, -5710 radios

TSR(K)100A Series The TSR(K)100a series is a telephone style remote control unit designed for use with Kenwood's 7150/8150, 7180/8180, and TK5710 P25 series mobile radios. The remote has a LCD display for zone and channel identification and an 8 character alpha channel alias. The remote provides zone and channel up and down buttons, PTT indicator, on-hook PTT capability, monitor button and indicator, intercom button, scan button and indicator, privacy feature, and speaker volume control. The remote allows incoming calls to be received through the speaker in the remotes and transferred to the the earpiece when the handset is removed from the cradle. Transmissions made from a remote are heard on all parallel remotes. The remote allows intercom capabililty between parallel remotes. The channel display and indicators on all remotes mirror that of all other TSR remotes on the system. There is no software or cables required to program the TSR/TSP units. This system will operate on any two or 4 wire voice grade circuit (-FD option must be added to termination panel.) The TSR(K)100A-DM is a desk microphone version of the TSR remote and has all of the same features. When connected the TSR/TSP system, the radio becomes dedicated to the operation of the remote system and is not used as a control point.
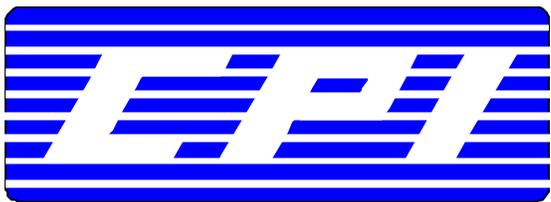

TSP100(K) Series This termination panel provides the interface between the TSR(K)100a remotes and the Kenwood -180, -150, and 5710 series radios. Installation is plug in with no cutting, crimping, or soldering involved. The termination panel is housed in a rugged housing and connects to the radio's DB25 connected with the provided cable. The system can use any two-wire or four-wire voice grade circuit. Four-wire operation is an available option. The radio must be programmed per CPI specifications for the radio to operate properly with the remote system. **TSP150K** is for use with the Kenwood -150 Series, the **TSP180K** is for use with the -180 Series, and the **TSP710K** for the 5710 series radio.

TSR/TSP Series Specifications

Power Requirements	120 VAC, 60Hz for wall pack operation
Indicators	2 watts minimum (in compression) into 8 ohms with less than 3% distortion using supplied power pack
Controls	Less than 3 dB increase in output with 30 dB increase beyond threshold of compression.
Line Input level	-20dBm tp +10 dBm
Line output level	-20dBm tp +10 dBm
Line impedence	200K ohms on-hook/idle 600 ohms off-hook/idle
Receive compression	Less than 3dBm change in output for 30 dBm change in input above thresh-hold
Speaker ouput	2 watts (speaker mutes when off-hook)
Max number of remotes	50
Dimensions/ Weight	9" x 4" x 7" / 4lbs.
Connections	4 pin modular for handset. RJ11 for desk microphone and phone pair

Power Requirements	13.6 Vdc limited to 100 mA. Power taken from radio connections.
TX Control	Adjusts audio level to the radio microphone input
RX Control	Adjusts audio level to phone line. Adjustable from -20 to +10 dBm
Setup	Used for test mode on power up
Line balance	Used to match the termination panel to the phone line
Phone line impedence	600 ohms
Connections to phone line	Two wire via modular phone jack. Four wire optional.
Connections to radio	Supplied cables plug into the DB25 or KCT19 connector.
Max number of remotes	50

Option	Description
-4W/FD	Full duplex on panel. Remotes are dip switch selectable.
-DE	12 Key DTMF encoder
-UE1	Multi-format encoder
-WM	Wall mount kit for remote.
-BLK	Unit is black in color
-220V	220 volt wall pack transformer