

Telephone Dialup System - Connections

Signal Input

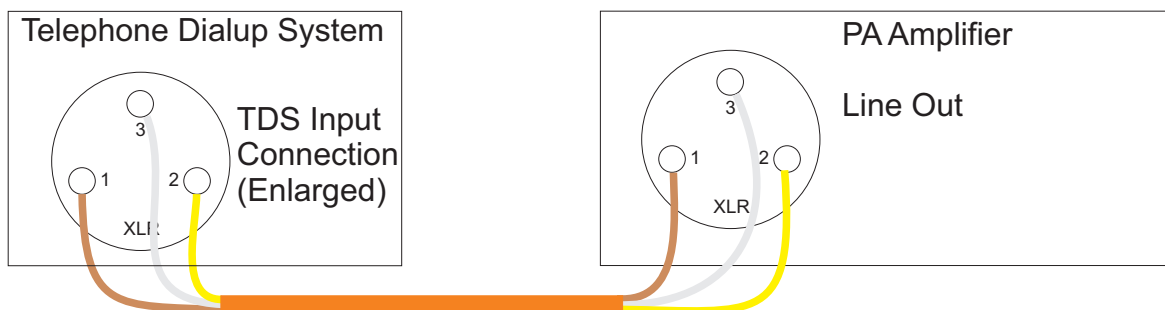
All latest versions of the TDS use a female XLR type connector for the signal input. The XLR has three connections: Signal hot (pin2), signal cold (pin3) and a screen earth (pin1). Note that pin1 connects to the TDS case metalwork only and is a protective earth. Thus the incoming audio signal connects between pins 2 and 3 and is wired as a balanced audio input.

Connections

The TDS needs an audio signal source. This can be almost anything from a recording output, through line output, low impedance speaker feed up to a 100V line speaker feed. You will need to adjust the internal attenuator link and gain control to get a precise level match - see handbook.

The output from the sound system (or Public Address - PA) may be on a jack socket, XLR socket or speaker terminals and you will need to determine which connection you will be using for your installation. Some sample wiring diagrams are shown below.

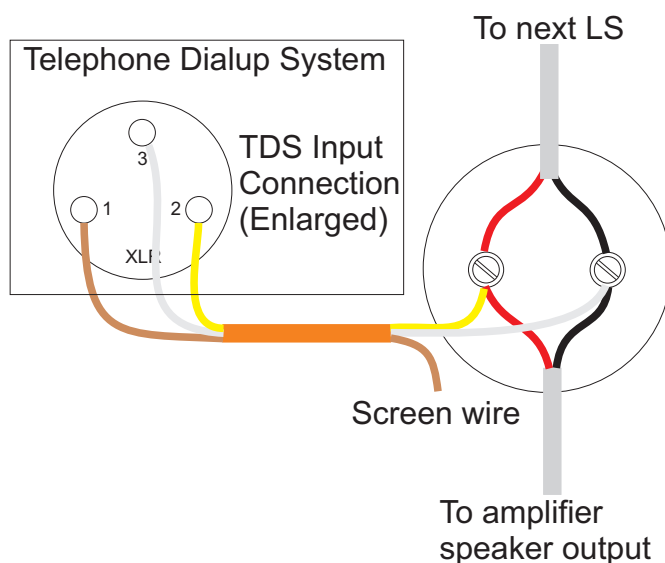
CONNECTING TO A SIGNAL SOURCE - Recording or Line Output



Move link within TDS from J1 to J2

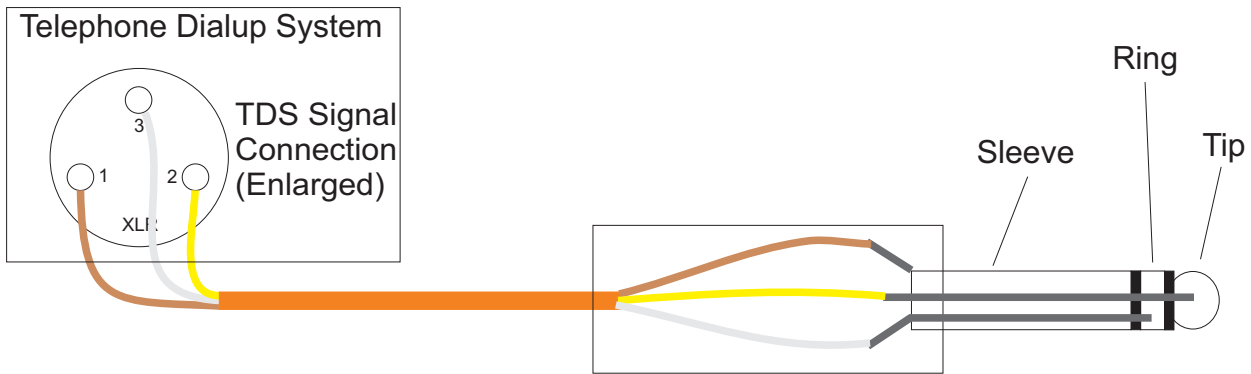
Uses a standard XLR male to XLR female lead

CONNECTING TO A LOUDSPEAKER SIGNAL SOURCE

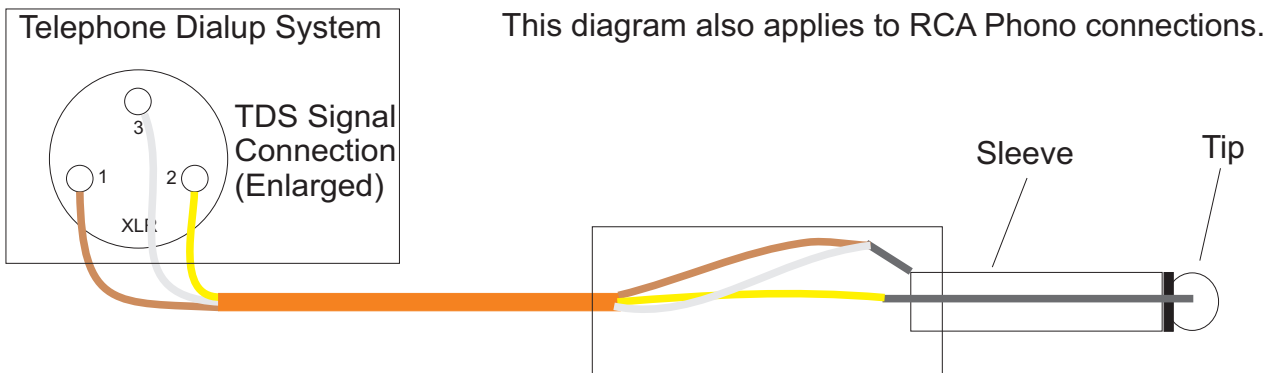


70 / 100V line or low impedance speaker feed. Break into the speaker wiring and connect across. **Ensure link J1 enabled** and adjust J5-J10 to suit. **Start at position J5.**

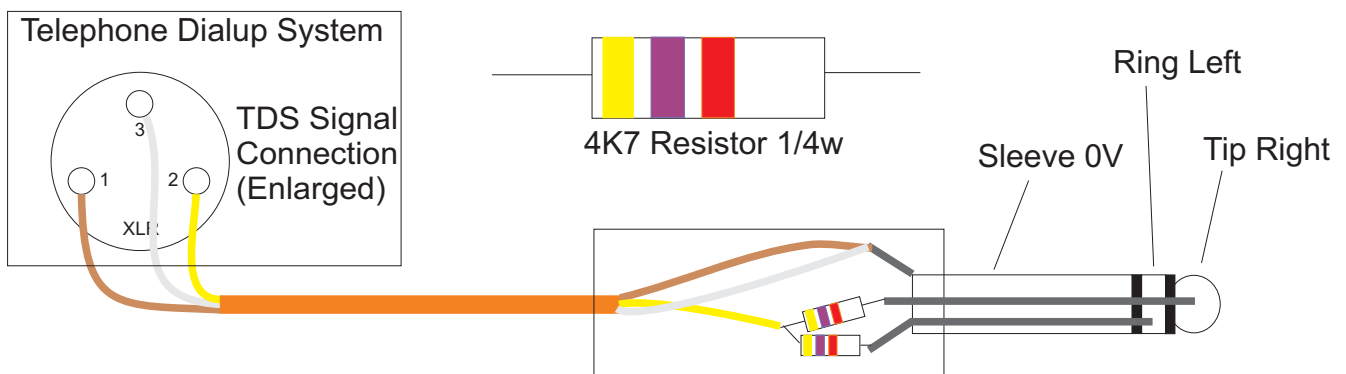
Using Jack or Phono Connections



Balanced 3 wire connection. Signal hot (+Ve) is yellow, signal cold (-Ve) is grey and brown is a protective earth. Note that the earth wire is for screening and earth protection only. It does not carry the audio signal.



Balanced 3 wire to unbalanced 2 wire connection with screen. Signal hot (+Ve) is yellow, signal cold (-Ve) is grey and brown is a protective earth. Note that the earth wire is for screening and earth protection only. It does not carry the audio signal. This type of connection is used for low level eg recording / line level signals. Connect grey (signal -Ve) and screen together at the jack plug.



Balanced 3 wire input fed from a typical stereo headphone output. Left and right channels are summed together via a resistive network (2 x 4K7).