

The DSX-1R is a Rear Access DSX-1 Panel that provides both permanent (rear of chassis) and temporary (front of chassis) connections for up to 56 positions.

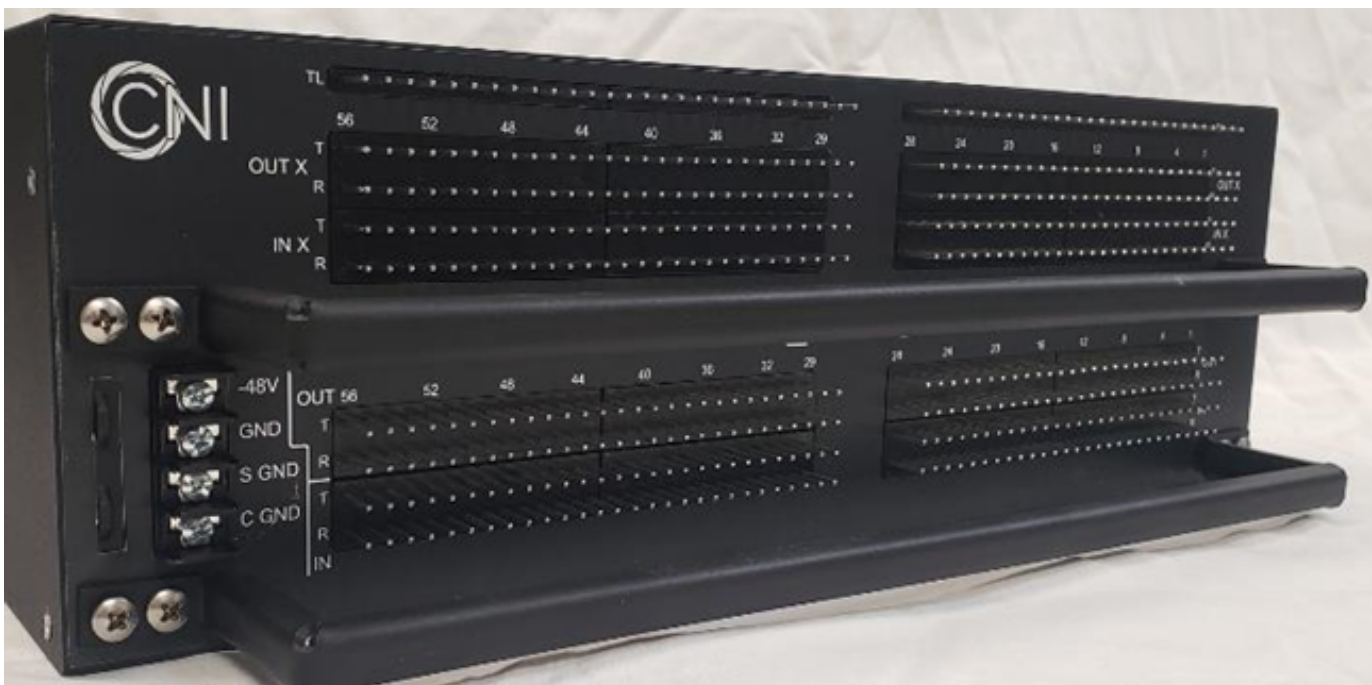
DSX-1R Description/Connectivity - Rear of chassis

The DSX-1R (SA-2115-1001) consists of the following connection/interface areas:

- 1) 56 positions are provided by 9 vertical wire wrap pin terminals per position, 1 for tracing, 4 for cross-connection (upper field) and 4 for NE (Network Element) connections and circuit completion (lower field) per DS1
 - One is a tracer lamp terminal
 - 1 pin for tracer lamp, identifies circuit routing (when connected)
 - Four cross-connection
 - 2 pins are T&R Out
 - 2 pins are T&R In
 - Four NE and circuit completion connections
 - 2 pins are T&R Out
 - 2 pins are T&R In
- 2) Power feed and ground connections
 - -48V (BATT) 1.0 A max (all LEDs on)
 - GND (RTN)
 - S GND (Shield Ground)
 - C GND (Chassis Ground)

Notes:

 - For BATT and RTN, recommended 14 -18 AWG wire
 - For GND connections, recommended 12 – 14 AWG wire



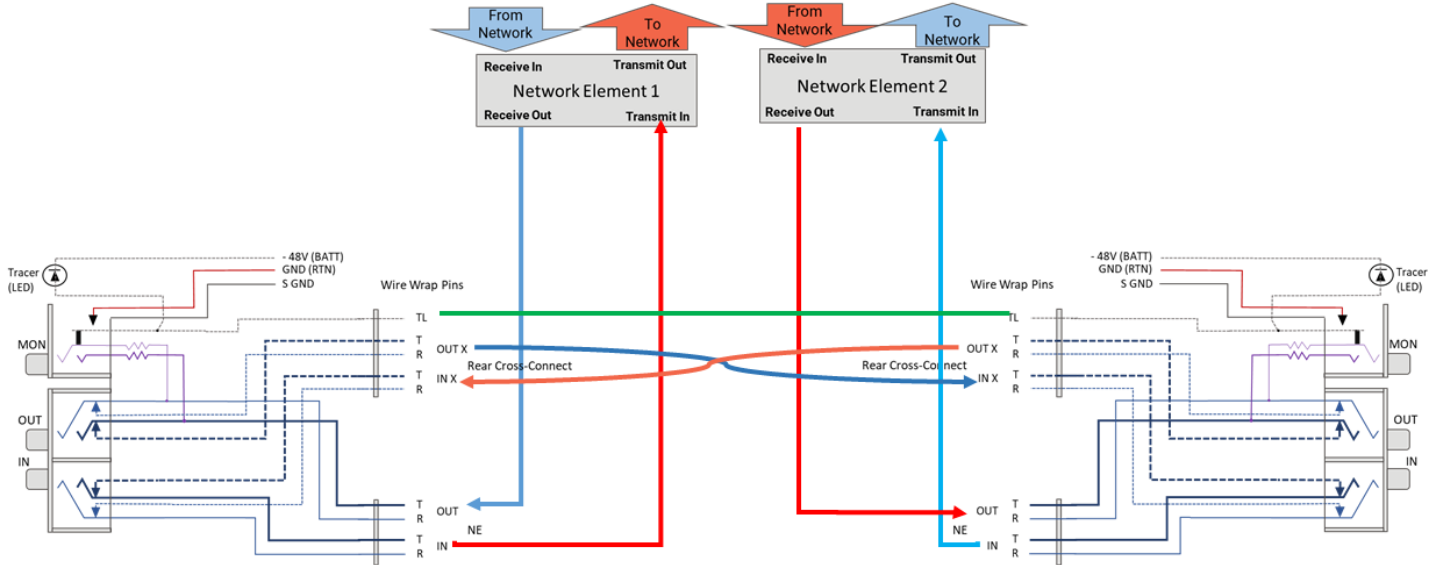
DSX-1R Description/Connectivity - Front of chassis

The front of the DSX-1R is the jack field with monitor LEDs.

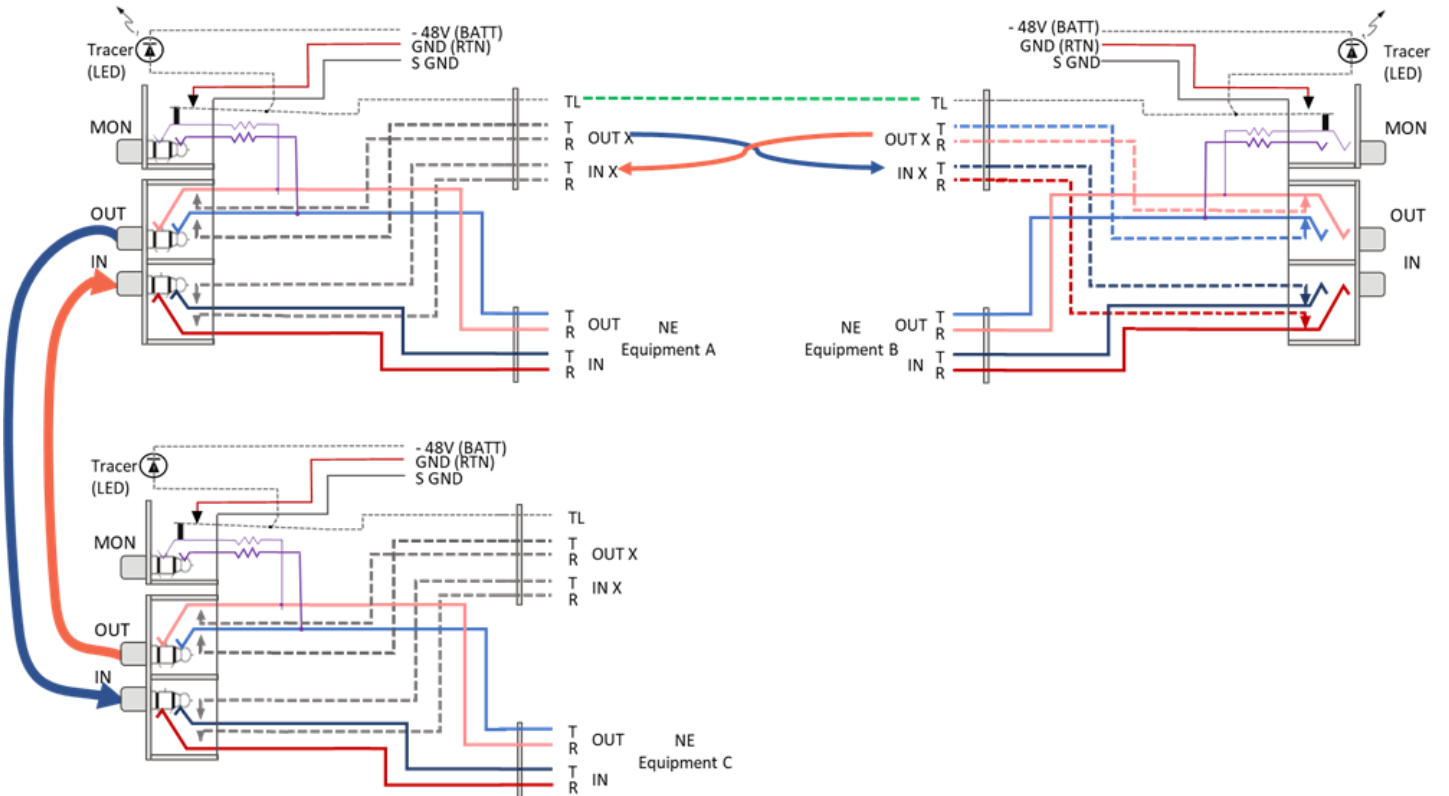
- Each position (1-56) has a monitor LED and three bantam jack ports (MON, OUT, and IN). The jack field provides DS1 patching, test access or monitoring.
 - MON provides -20 dB of paralleled isolation between the output jack and itself.
 - OUT and IN consist of two-conductor pairs, one pair for each direction of transmission (Tip and Ring).
 - The output (OUT) jack provides serial access to signals coming out from the connected NE.
 - The input (IN) jack provides serial access to the signals going into the connected NE.
 - LED's only illuminate when a monitor jack is accessed



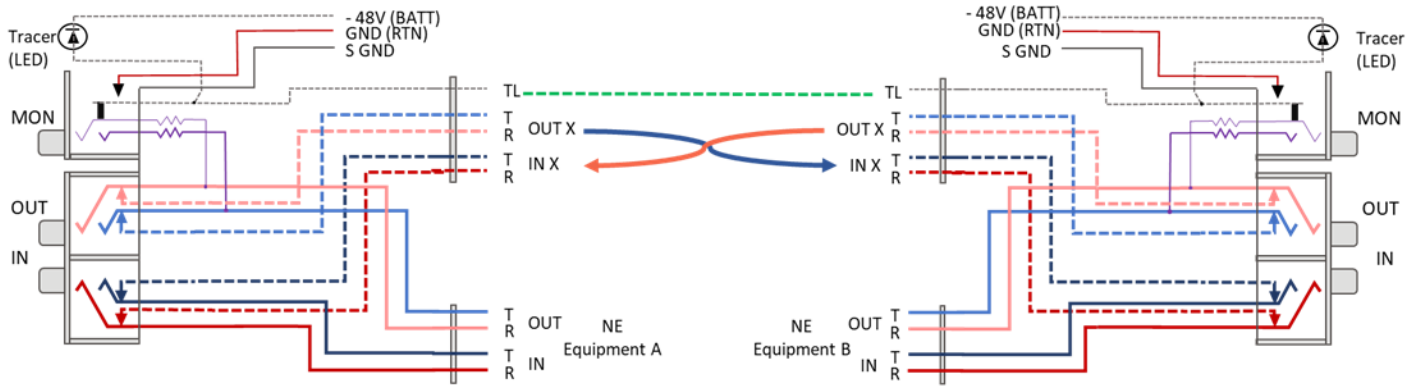
DS1 Signal Flow Paths Through Wire Wrap Pins - Permanent Connection



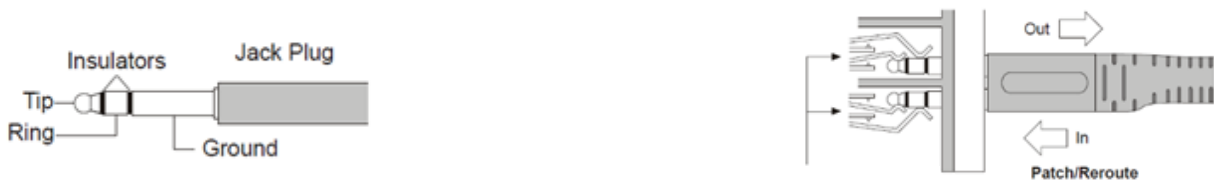
DS1 Patching Schematic for reroutes and re-terminations



DS1 Intermediate Central Office Cross Connect



DS1 Signal Flow Paths Through the Jack Ports - Temporary Connection (Patching)



Front

Rear

