Redback® A 4940 (Front)

Redback® A 4940 (Rear)

Operating Manual
A 4940 3 Pin XLR - Cat5 Extender (Transmitter)

OVERVIEW:

The Redback® A 4940 provides a convenient way to send low level audio signals over long distances via Cat5/6 cabling. The unit has adjustable input sensitivities to handle either microphone (3mV) or line levels (1V) and has provision for phantom power (15V DC). Both of these are DIP switch selectable.
The ouput volume is screwdriver adjusted via the trimpot on the front of the unit.
The unit is powered from 24V DC, which can be connected to the DC socket on the rear of the unit, or it can be supplied through the Cat5/6 cabling from other compatible Redback® products.

The Redback® A 4940 provides a balanced output which can be received by Redback® products such as the A 4942 and A 4946. These products receive the audio signal fed down the Cat5/6 cabling and convert it to an XLR output (A 4942) or an RCA output (A 4946).

DIP Switch Settings

Switch 1 - Sets the sensitivity of the input to either 3mV or 1V
ON - Input Sensitivity 3mV, OFF - Input Sensitivity 1V.
Switch 2 - Enables the Phantom Power to the input.
ON - Phantom Power Enabled (15V DC), OFF - Phantom Power Disabled.

Fig 1. Redback® A 4942 Receiver (Front)

RJ45 cabling configuration for system components (568A 'Straight through')
Components are connected using "pin to pin" configuration RJ45 data cabling as shown in figure 3. When installing ensure all connections are verified with a LAN cable tester before switching any system component on.

Failure to follow the correct wiring configuration may result in damage to system components.

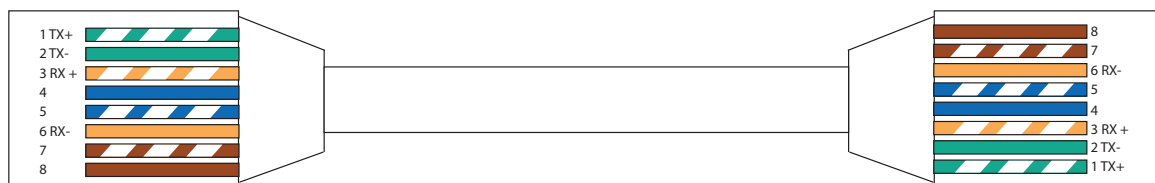Fig 2. Redback® A 4946 Receiver (Front)

568A
Straight Through
(both ends)

Pins Face Upwards

Fig 3. RJ45 Pin to Pin Wiring Diagram

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