



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 output 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.

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 1. Redback® A 4942 Receiver (Front)



Fig 2. Redback® A 4946 Receiver (Front)

568A
Straight Through
(both ends)
Pins Face Upwards

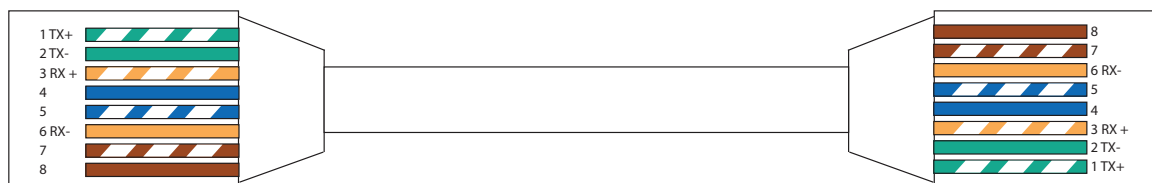


Fig 3. RJ45 Pin to Pin Wiring Diagram



Redback® A 4942 (Front)



Redback® A 4942 (Rear)

Operating Manual A 4942 3 Pin XLR - Cat5 Extender (Receiver)

OVERVIEW:

The Redback® A 4942 receives audio from compatible Redback® Cat5e/6 transmitters and converts the signal to a balanced XLR output. The output level is DIP switch selectable, and the output 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. A 24V DC plugpack is supplied for connection to the DC socket.

The Redback® A 4942 can be connected to compatible Redback® products such as the A 4940 and A 4944. These products have either a 3 pin XLR (A 4940) or Dual RCA (A 4944) input and transmit this audio down the Cat5/6 cabling to the A 4942.

DIP Switch Settings

Switch 1 - Sets the output as either a high or low level.
ON - Mic Level, OFF - Line Level.

Switch 2 - Not Used



Fig 1. Redback® A 4940 Transmitter (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 4944 Transmitter (Front)

568A
StraightThrough
(both ends)
Pins Face Upwards

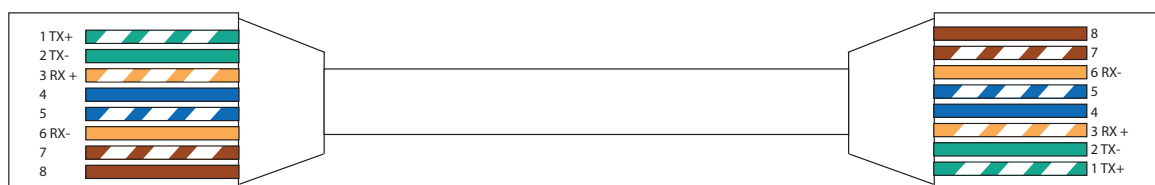


Fig 3. RJ45 Pin to Pin Wiring Diagram