



Redback® A 4952 (Front)



Redback® A 4952 (Rear)

Operating Manual A 4952 5 Pin XLR - Cat5 Extender (Transmitter)

OVERVIEW:

This handy interface box allows balanced signals to be transmitted over long distances using economical UTP data cabling, and provides easy local zone connection for audio sources. This unit carries the push-to-talk (PTT) signal to the connected equipment ensuring seamless operation for paging microphones (connects to pins 4 and 5 of the XLR socket).

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 adjusted via the control on the front.

The balanced output from the A 4952 can be received by the Redback® A 4954 Receiver. 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 such as the A 4954 receiver (24V DC Plugpack supplied).

A 4952 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 4954 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 4954 Receiver (Rear)

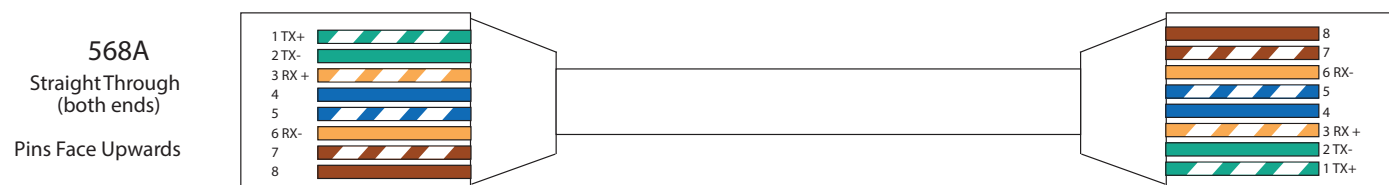


Fig 3. RJ45 Pin to Pin Wiring Diagram



Redback® A 4954 (Front)



Redback® A 4954 (Rear)

Operating Manual A 4954 5 Pin XLR - Cat5 Extender (Receiver)

OVERVIEW:

The Redback® A 4954 receives audio from compatible Redback® Cat5e/6 transmitters and converts the signal to a balanced XLR output with PTT connection. 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 4954 can be connected to compatible Redback® products such as the A 4952 and A 4953. These units carry the balanced output and push-to-talk (PTT) signal to the A 4954 ensuring seamless operation for paging microphones (PTT connects to pins 4 and 5 of the XLR socket).

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 4952 Transmitter

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 4953 Transmitter Wallplate

568A
StraightThrough
(both ends)
Pins Face Upwards

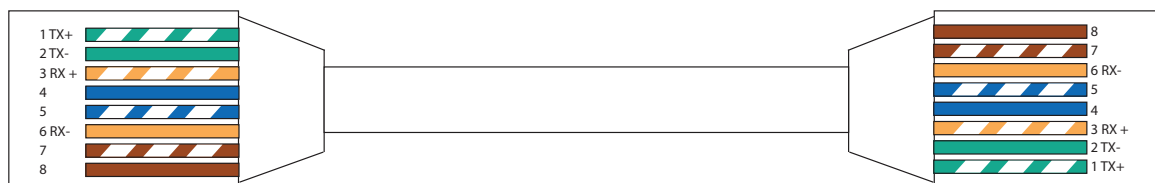


Fig 3. RJ45 Pin to Pin Wiring Diagram