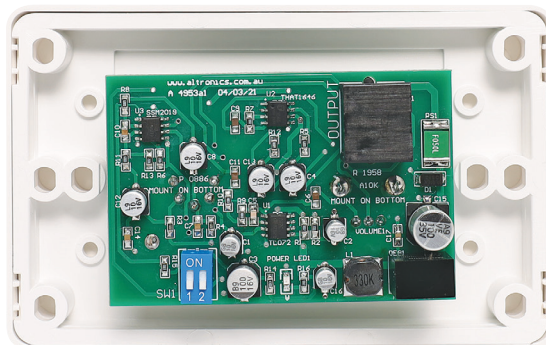**REDBACK**

Redback® A 4953 (Front)

Redback® A 4953 (Rear)

Operating Manual
A 4953 5 Pin XLR - Cat5 Extender Wallplate (Transmitter)

OVERVIEW:

The Redback® A 4953 provides a convenient way to send low level audio signals, and PTT operation from a 5 pin XLR connection, over long distances (max 300m) via Cat5/6 cabling. The wallplate 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 of the wall plate.

The balanced output from the A 4953 wall plate can be received by the Redback® A 4954 Receiver. The wall plate is powered through the Cat5/6 cabling from the A 4954 receiver (24V DC Plugpack supplied). The PTT closing contact is wired "straight through" and connects to pins 4 and 5 of the XLR socket.

A 4953 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.

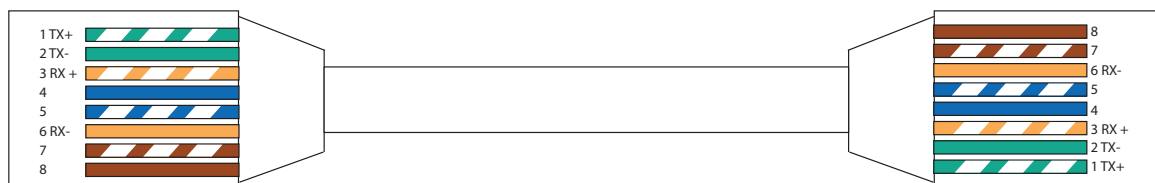Fig 2. Redback® A 4954 Receiver (Rear)

568A
Straight Through
(both ends)

Pins Face Upwards

Fig 3. RJ45 Pin to Pin Wiring Diagram

User manual revision number: 1.0 26/11/2021