

# AS1650 - FibTel SM to ROLI/RILO

**Bi-Directional Conversion** 

**External Universal PSU** 

Wall Mount Enclosure

#### Description

The Fibre to Audio Interface Unit provides conversion between Singlemode or Multi-mode to copper signalling. The local copper connection can be 2W or 4W audio, 2W/4W with E&M, or ROLI/RILO (FXS/FXO). All these are available by fitting alternative adaptor cards within the unit.

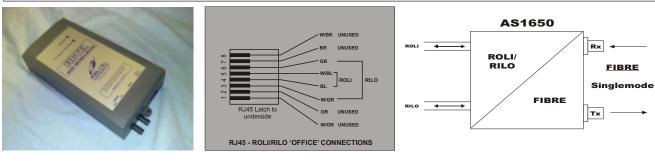
DATA/DATASHEETS/AS1650-Fibtel SM to ROLI/RILO Data Sheet

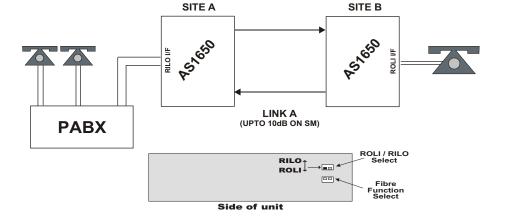
The ROLI/RILO signalling adaptor can provide both signal variants on the one PCB but is preset to the required version at the install stage. The units can be connected as shown below to provide a long line extension or hotline facility between two handsets in a lift to ring configuration. Local signal connections are presented on an RJ45, fibre is via ST connectors and DC power via the in-line supply is on a centre positive dc connector. Future options include input for low speed data over speech (evacuation and status signalling) and Eurocard version for rack mount.

#### Operation

The lamps on the unit facia reflect the operation of the line-side connection (fibre) regardless of the interface circuit fitted within the unit. In IDLE the Carrier lamp will be ON solid GRN (this shows that a carrier is being received). When an outgoing call is created the Tx/Rx lamp will flash GRN, when an icomming call is received the lamp will flash RED.

When installing to establish the Tx &Rx fibres are good, by pressing the Test Button (Top RHS) the Tx/Rx lamp will flash GRN as the button is released and if the distant end unit is detected it will flash the Tx/Rx lamp RED. (Flash approx 5 times). If there is no unit detected then the unit will not flash the Tx/Rx lamp RED.





### Battery Feed @ 24V & 55Vrms Ring Voltage Set Internal DIP switch Sw1 OFF Connection as per RJ45 opposite RILO Loop O/P @ Ring/Line Detector Set Internal DIP switch Sw1 ON Connection as per RJ45 opposite Unit Powered by Ext Universal PSU 100V - 240Vac

Power to dc Connector 24Vdc @ 200mA

Weight - 600g (inc PSU) Size - 180 x 88 x 40 mm

Setup

Technical

Sinalemode -

- ST connection - Loss Budget 10dB

FIBRE

ROLI

For links >6dB Loss Budget set Lk4 to HI (High Power)

To set up unit as ROLI or RILO, alter switch shown in black on diagram bottom left of sheet.

Lamp operation

Carrier: Solid GRN - Incomming Carrier detected Flash RED - No Carrier detected

<u>Tx/Rx:</u> Flash GRN - Outgoing Call Flash RED - Incomming Call Flash GRN/RED - Call Established

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