

# AS2470 - Fibre to ROLI / RILO Rack mount Card

Bi-Directional Conversion

Single Extended Eurocard

Shelf Mounted

**Description**

The fibre to ROLI/RILO signalling adaptor can provide conversion for both signal variants on the one PCB. The unit can also be configured for operating on Singlemode or Multimode Fibre. 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 and DC power are presented on a DIN41612, fibre is via ST connectors. Future options include input for low speed data over speech (evacuation and status signalling).

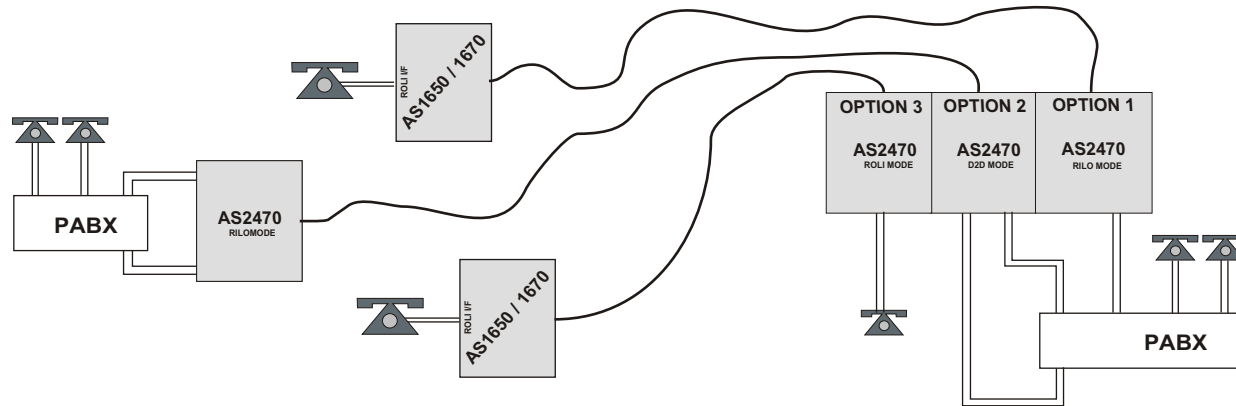
**Setup**

If the loss over the fibre line will be greater than 6dB then Lk4 on the board should be set to HI (High Power).

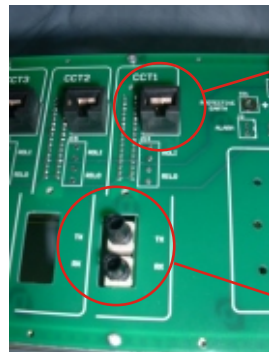
To set up board as ROLI or RILO, the switch highlighted in black should be changed.

**Operation**

The lamps on the unit facia reflect the operation of the line-side connection (fibre). 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 RED, when an incoming call is received the lamp will flash RED.

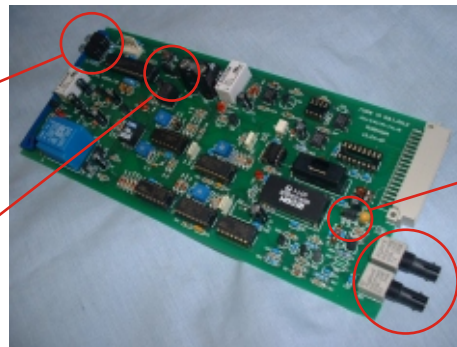


**Configuration Options**  
 Option 1 - Long line extension with rack mount AS2470 at host location in RILO mode and AS1670 at remote in ROLI mode.  
 Option 2 - Inter PABX connection between two AS2470s both set in D2D mode.  
 Option 3 - Hotline facility between an AS2470 at the host site in ROLI mode and an AS1670 at the remote location in ROLI mode.  
 SEE OPTION DIAGRAMS OPPOSITE



BACKPLANE VIEW

RJ45 for ROLI/RILO CONNECTION  
 CALL STATUS LAMPS  
 ROLI/RILO SELECT  
 Tx/Rx FIBRES TO LINE (MULTIMODE SHOWN)



AS2470 PCB VIEW

FIBRE POWER TO LINE  
 Tx/Rx FIBRES TO LINE (MULTIMODE SHOWN)

