

AS1600 - Fibre to Audio Interface

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 PTT/AC if being used for radio connections.

Variants of the units are also available for ROLI/RILO for connection direct to telephony circuits for POTS extensions. (AS1650/1670) The ROLI/RILO version is covered by a common unit that only requires a DIP switch change to convert from ROLI to RILO operation.

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.

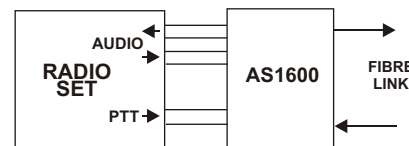
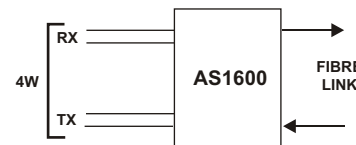
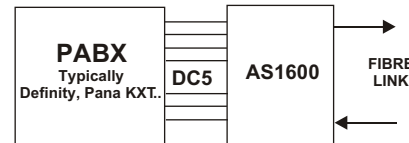
Operation

The lamps on the unit facia reflect the condition of the carrier and the status of the signalling to and from the office to line.

When the unit is connected to a compatible unit at the opposite end of the link the CARRIER lamp will illuminate GREEN (solid). If the link breaks or carrier is lost the lamp will flash RED.

During operation the Tx/Rx lamp will light RED during making a call and will illuminate GREEN when a call is established.

FUNCTIONAL DIAGRAM



Technical

FIBRE

Singlemode -

- ST connection
- Loss Budget 10dB

Multimode -

- ST Connection
- Loss budget TBA

DC5A (E&M)

Audio - 4W or 2W 600ohm
Signalling - Type5 E&M

NOTE- E&M can operate with Dry Contact to allow unit to pass PTT & AC for radio

Unit Powered by Ext Universal PSU 100V/240Vac
Power to dc Connector 24Vdc @ 200mA

Housed in Wall Mount Enclosure

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

