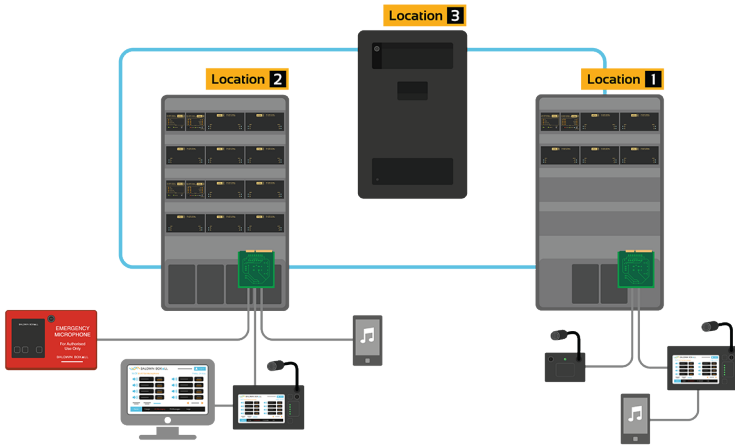


# VIGIL3 Networking

Certified to BSEN54



The VIGIL3 system uses a dedicated Ethernet network with options for copper, fibre single mode or multi mode - or any combination these on a single system network.

## VIGIL 3

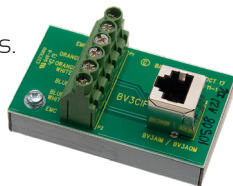
### VIGIL3 SYSTEM FEATURES:

- Supports up to 64 simultaneous audio channels.
- Supports up to 400 inputs and 800 outputs.
- Supports up to 254 voice alarm messages.
- Fully modular and expandable.
- Fast and responsive large systems.
- Single point for configuration/message upload/fault log access.
- Truly distributed but forming a single voice alarm system.
- Can be realised as both rack and wall mounted Eclipse systems.
- Internal connections all CAT5 for ease of assembly and maintenance.
- No Ethernet switches required.
- Supports all Baldwin Boxall amplifiers and speaker line monitoring solutions.
- All connections monitored for reliability and peace of mind.
- Mix and match copper and fibre network interfaces.

### COPPER NETWORK:

#### BV3CIF module:

- The BV3CIF is a DIN rail mounted connection to copper network sections. (Two BV3CIF required per line).
- Up to 100m between nodes.
- Fire rated CAT5 (Draka FT Data).



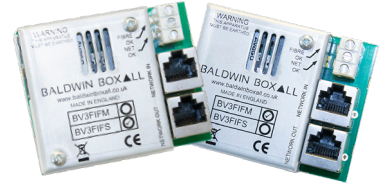
### FIBRE NETWORK:

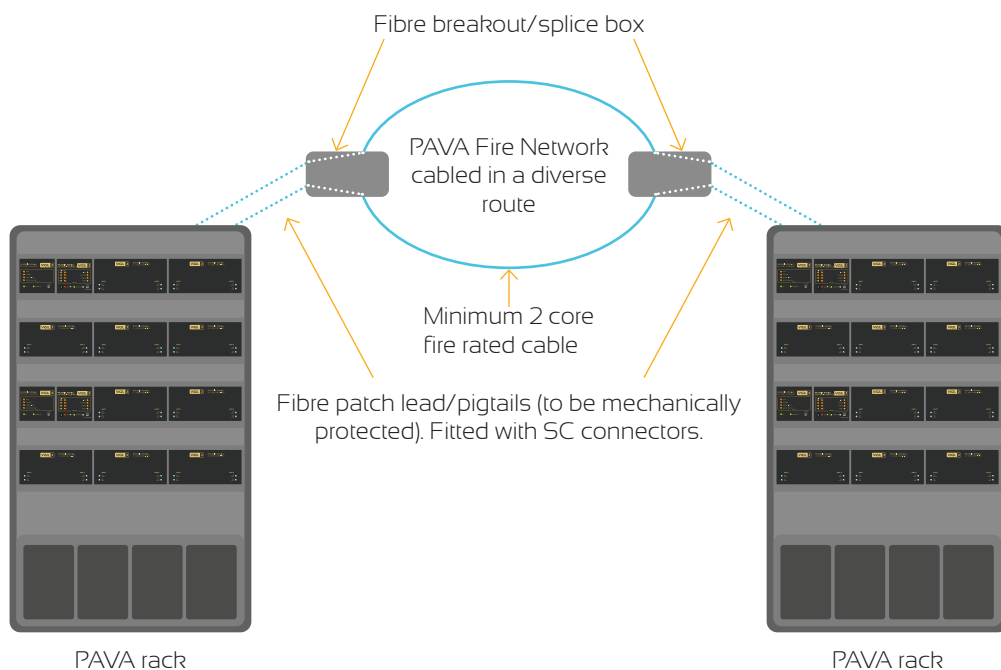
#### BV3FIFS (single mode module):

- The BV3FIFS is a DIN rail mounted connection to single mode fibre network sections. (Two BV3FIFS required per line).
- Connection to BV3AOM8 (network out) or BV3AIM2/4 (network in) connector.
- LEDs to indicate Ethernet Connection OK and Fibre Connection OK.
- Industry standard SC connectors for fibre termination.
- Supports single mode fibre types:
  - OS1 (9/125) - typical maximum distance of 2km
  - OS2 (9/125) - typical maximum distance of 4km.

#### BVR3FIFM (multi mode module):

- The BV3FIFM is a DIN rail mounted connection to multimode fibre network sections. (Two BV3FIFM required per line).
- Connection to BV3AOM8 (network out) or BV3AIM2/4 (network in) connector.
- LEDs to indicate Ethernet Connection OK and Fibre Connection OK.
- Industry standard SC connectors for fibre termination.
- Supports multimode fibre types OMI (62.5/125), OM2 (50/125) and OM3 (50/125).
- Typical maximum distance of 2km.





- Fibre cable must be installed as separate cables with a minimum of two cores - not 1 x 4 core cable.
- Fibre network should be run as a diverse loop.
- A specialist fibre splicer will be required to splice the fibre network cable inside the breakout box. This is to be carried out by the installer. Fibre test results are to be obtained during the fibre splicing process.
- Fibre patch leads to be supplied by the installers and glanded into the PAVA rack. These are to be left for the Commissioning Engineer to connect at the PAVA rack end.
- Fibre cables should be labelled with destination of the 'to and from' racks. The cores being used should be identified with TX or RX.
- Fibre breakout box to be installed adjacent to the PAVA racks.
- Fibre patch leads to be supplied and fitted with the correct terminal type (SC for VIGIL3).
- Fibre patch leads to be supplied to suit the type of fibre installed (i.e. OM1, OM2, OM3 etc).

## PLEASE NOTE:

It is the responsibility of the installer to provide appropriate fibre termination equipment and fibre patch leads to connect to Baldwin Boxall fibre Interfaces (BV3FIFM & BV3FIFS). This termination equipment should be located in the immediate vicinity of the voice alarm equipment or (space permitting and by prior arrangement) within the voice alarm equipment enclosures. BS5839-8 should be consulted regarding selection of appropriate fire rated fibre connection.



**BALDWIN BOXALL**  
LEADING THE WAY TO SAFETY

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