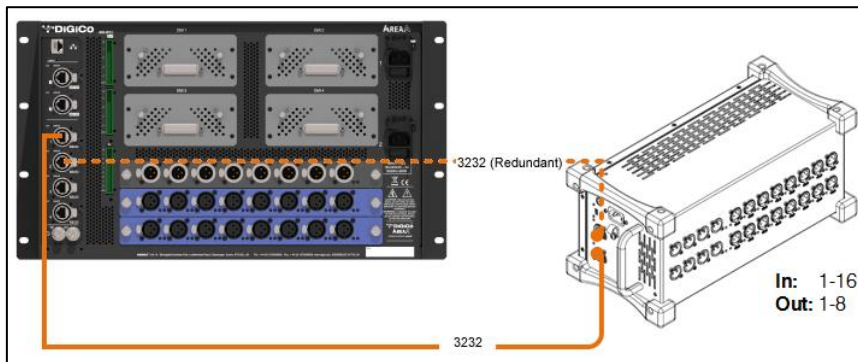


A168 Stage

The **A168** is a portable, rugged audio interface box for a DiGiCo digital mixing system. It provides 16 remote controlled mic/line preamps and 8 XLR line outputs. It connects to the mixer over a single Cat5e cable using the DiGiCo 3232 protocol. A second A168 can be connected to the A168 when running in **Cascade** mode to expand the number of system inputs and outputs. Alternatively a redundant connection can be made to compatible hardware when operating in **Redundant** mode.

The A168 can be operated horizontally with the connectors facing upward or sideward, or vertically to save space on stage. It can also be mounted in a 19" equipment rack or case using the optional **X-A-168-19RK** kit. A hard-wearing padded polyester carry case is also available.

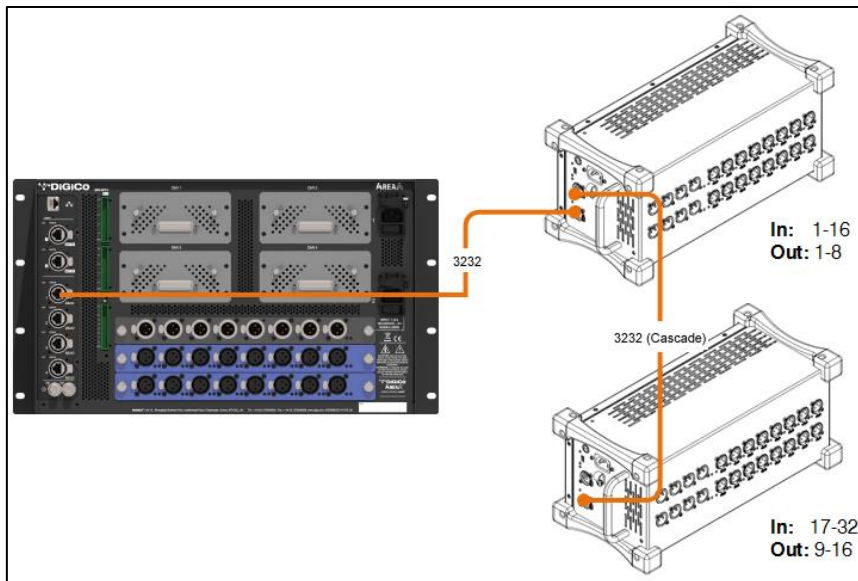
The diagrams below show two example applications:



A168 Redundant Mode

16 input and 8 outputs on stage or rack.

An optional redundant cable link can be made to compatible hardware (eg. DiGiCo 4rea4)



A168 + A168 Cascade Mode

32 inputs and 16 outputs on stage or rack.

DiGiCo can provide recommended cables for use with the A168 – contact your DiGiCo dealer for more information

A168 Panel Layout



① **Input sockets** 16 balanced XLR mic/line inputs with +48V Phantom Power indicator.

The preamps are built into the A168 and their Gain, Pad and +48V phantom power are controlled from the 4rea4 via the 3232 link. The outputs of the analogue preamps are converted to digital format and transported via 3232 to be processed and mixed in the 4rea4 system.

The sockets are numbered 1-16. On the 4rea4 system, any input can be patched to any channel in the audio engine.

The PP indicator LED detects voltage at the socket whether supplied by the A168 or received from an external source.

② **Output sockets** 8 balanced XLR outputs operating at nominal +4dBu line level. Any signal can be patched to any socket using the 4rea4 **Routing** screen.

③ **3232 Port 1** CAT5e cable link to connect to the 4rea4. This carries the inputs and outputs to and from the A168 as well as preamp control and system status.

- We recommend using EtherCon locking connectors to prevent damage to cables or ports

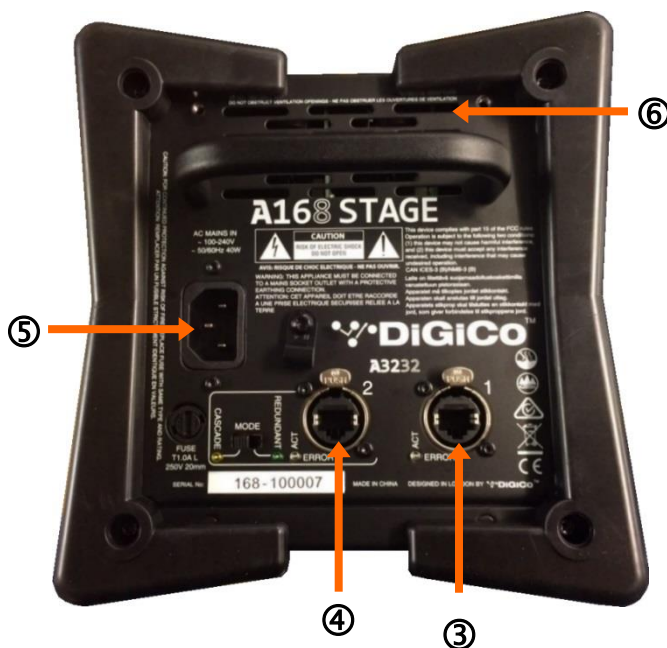
④ **3232 Port 2** CAT5e cable link with 2 selectable modes via switch:

- **Redundant:** For 2 cable redundant connection to compatible hardware e.g. 4rea4
- **Cascade:** To connect a second A168 rack to add further mic/line inputs and XLR line outputs to the system.

⑤ **Mains power input** IEC connector and fuse for the built-in universal voltage power supply unit. This accepts voltages from 100 to 240V AC 50/60Hz. Check that you have received the correct mains lead for your territory.

Secure the cable in place using the plastic P-clip. Use a T20 Torx screwdriver to refit the screw.

⑥ **Vents** Ensure good ventilation at the sides and back of the rack. Avoid obstruction of vents while operating. Avoid dirt or liquid ingress.



Note

- Read the Safety Instructions Sheet included with the product and the information printed on the panel before operating.
- A limited one year manufacturer's warranty applies to this product, the conditions of which can be found at: www.digico.biz/legal
- By using this DiGiCo product and the software within it you agree to be bound by the terms of the relevant End User Licence Agreement (EULA), a copy of which can be found at: www.digico.biz/legal