

ISA 428 Digital Option Installation



ISA 428 Digital Output Kit

The kit should contain: -

Qty	Description
1	ISA 428 Analogue to Digital converter card
4	Crosshead screws
1	Heatsink

Tools required: -

No. 1 crosshead screwdriver, Pozidriv preferred.

WARNING!

THE MODULE SHOULD BE DISCONNECTED FROM THE AC POWER BEFORE ATTEMPTING TO CARRY OUT THE FOLLOWING INSTRUCTIONS.

ALLOW THE MODULE TO COOL BEFORE STARTING INSTALLATION OF THE DIGITAL OPTION.

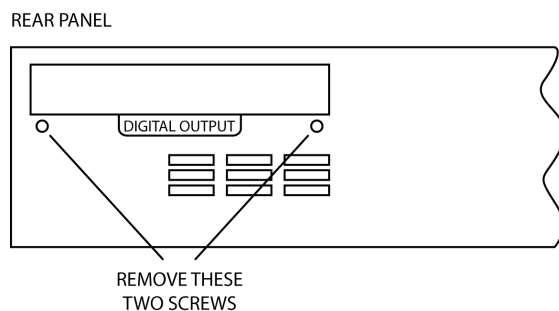
ANTI-STATIC PRECAUTIONS SHOULD BE TAKEN WHEN HANDLING THE CARD OUTSIDE OF ITS ANTI-STATIC BAG; ONLY HANDLE THE CARD BY GRIPPING THE CARD BY ITS EDGES AND AVOID TOUCHING ANY OF THE COMPONENT PARTS OTHER THAN THE CABLE AND CONNECTORS. PLACE THE UNIT ON A CLEAN, FLAT SURFACE.

Removing the Top Cover

Remove the 11 crosshead screws fixing the top cover to the top and sides of the ISA 428 unit.

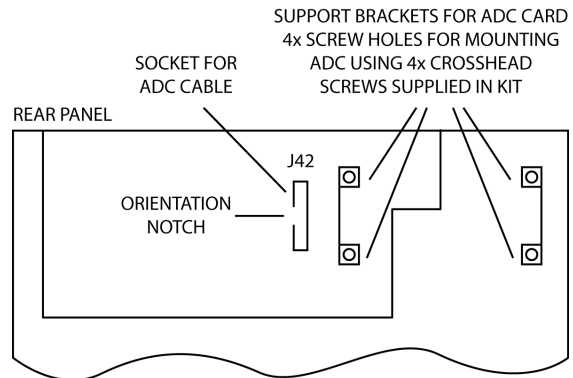
Removing the Digital Option Cover on the Rear Panel

The rear panel digital connector area is accessed by removing the rear cover plate next to the "DIGITAL OUTPUT" labelling. The plate is removed by removing the two crosshead screws shown below. Retain these screws for securing the digital card in place later.



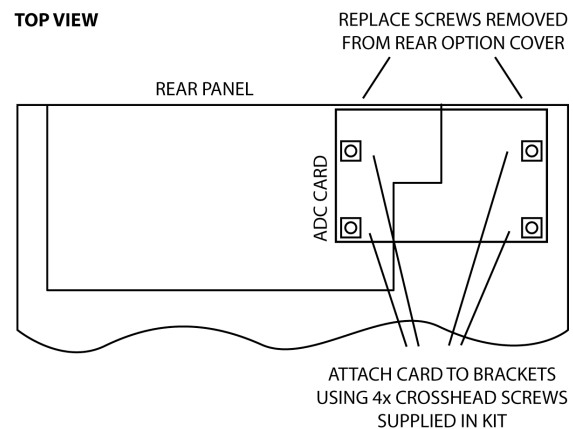
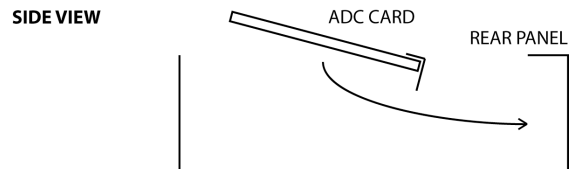
Installing the Digital Option

The digital card is mounted in place using the 4 crosshead screws supplied and the two support brackets that are already installed in the unit.



Fitting the Card

Place card into unit with the cable pointing toward socket J42. Rest the ADC on the brackets so that the 4 ADC holes line up with the 4 bracket holes. Screw card into place using the 4x crosshead screws and the two screws retained from the rear option cover.

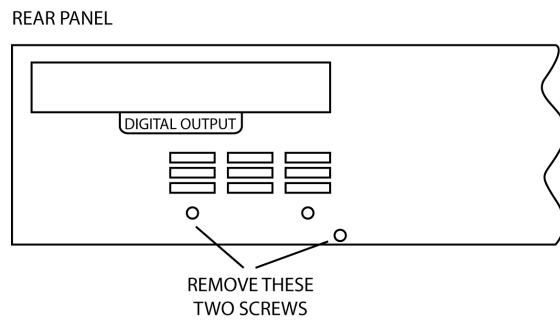


Once the card has been secured in place, the digital card ribbon cable can be connected to the adjacent socket, labelled J42. The connector should be pressed firmly down in place to ensure good contact.

N.B. The cable has an orientation tab that should align with the orientation notch in the socket. If this is not correctly aligned the cable will not fit correctly – **do not force it!**

Fitting the Heatsink

Remove the two screws shown below and use them to attach the heatsink to the rear panel.



Replacing the Top Cover

The top cover should now be replaced using the 11 crosshead screws to secure firmly to the chassis.

The installation is now complete and the unit can be reconnected to the AC power.

Initialising the ISA 428 Unit with ADC Fitted

The ISA 428 recognises the installation of the digital card by switching on the power to the unit while holding down any of the front panel switches. Once the front panel is illuminated, release the front panel switch. The digital card will now be active.

This is a one-time action – once initialised the ISA 428 will recognise the presence of the ADC each time the unit is powered up.

Please refer to the ISA 428 user guide for digital card operation.

Notes

- When syncing to an external clock the sampling frequency should be set to match between the two pieces of equipment.
- If you experience any difficulties installing this digital option please contact Focusrite technical support at tech@focusrite.com