ISA One & 430 MKII
Digital Option Installation

Digital Output Kit

The kit should contain:

Qty	Description
1	Analogue to Digital converter card
4	Crosshead screws

Tools required: -
No. 1 crosshead screwdriver, Pozihead 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 ITS EDGES AND AVOID TOUCHING ANY OF THE COMPONENT PARTS OTHER THAN THE CABLE AND CONNECTORS. PLACE THE UNIT ON A FLAT, CLEAN SURFACE.
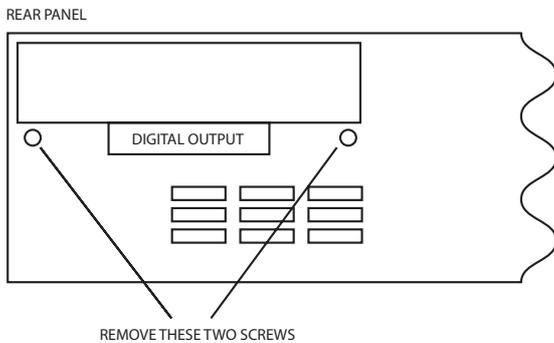

ISA 430 MKII Instructions

Removing the Top Cover

Remove the 11 crosshead screws fixing the top cover to the top and sides of the ISA 430 MKII unit.
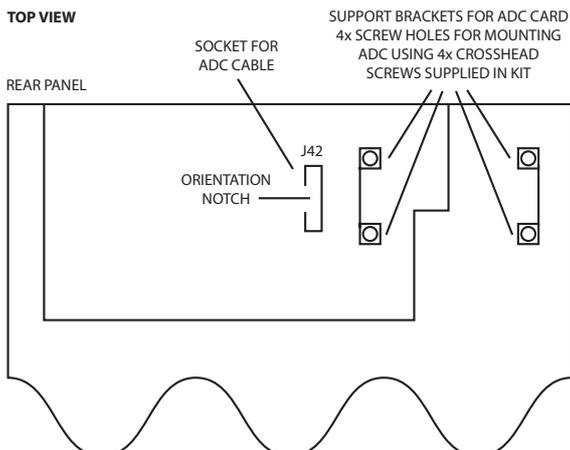
Removing the Digital Option Cover on the Rear Panel

The rear panel digital connector area is accessed by removing the rear cover plate above 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.

REAR PANEL

DIGITAL OUTPUT
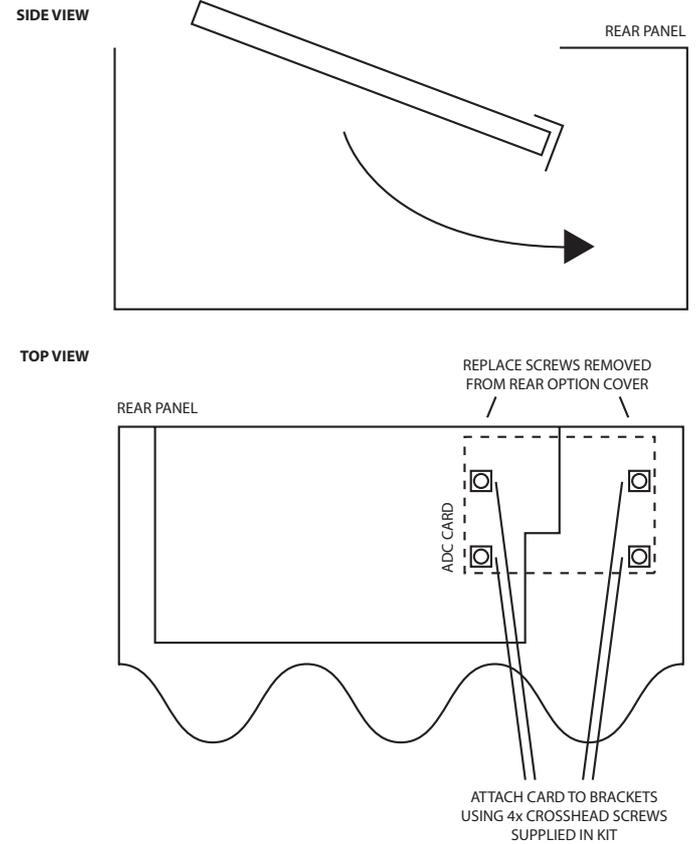
REMOVE THESE TWO SCREWS

Installing the Digital Option

The digital card is mounted in place using the four supplied crosshead screws and the two support brackets within the unit, as shown below.

TOP VIEW

REAR PANEL

SOCKET FOR ADC CABLE

SUPPORT BRACKETS FOR ADC CARD
4x SCREW HOLES FOR MOUNTING ADC USING 4x CROSSHEAD SCREWS SUPPLIED IN KIT

J42

ORIENTATION NOTCH

Fitting the Card

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

SIDE VIEW

REAR PANEL

TOP VIEW

REAR PANEL

REPLACE SCREWS REMOVED FROM REAR OPTION COVER

ADC CARD

ATTACH CARD TO BRACKETS USING 4x CROSSHEAD SCREWS SUPPLIED IN KIT

Once the card has been secured into place, the digital card ribbon cable can be connected to the socket on the ISA 430 MKII labelled J42. The connector should be pressed firmly down in place to ensure a 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!**

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 430 MKII Unit with the ADC fitted

The ISA 430 MKII recognises the installation of the digital card after you have carried out the following step:

• Press and hold down any switch on the front of ISA 430 MKII whilst powering up the unit. Once the front panel is illuminated, release the switch.

The digital card will now be active. This is a one-time action. Once initialised, the ISA 430 MKII will recognise the presence of the ADC each time the unit is powered up.

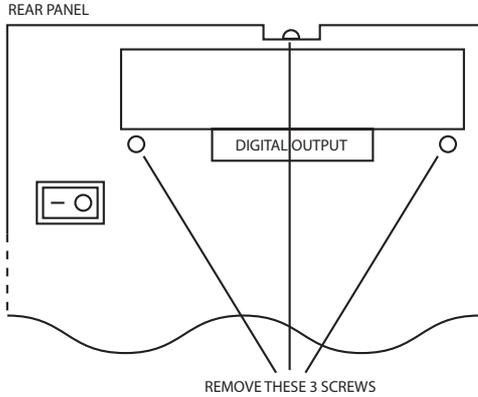Please refer to the full User Guide for digital card operation.

ISA One Instructions

Removing the Top Cover

Remove the 10 crosshead screws fixing the top cover to the top and sides of the ISA One unit.
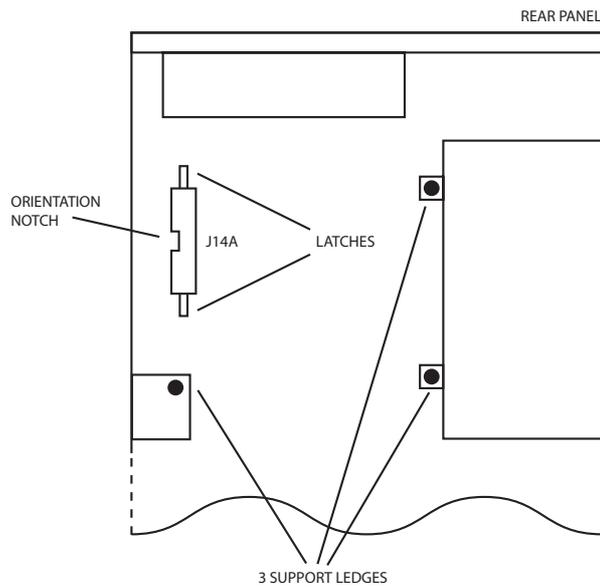
Removing the Digital Option Cover on the Rear Panel

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

REAR PANEL
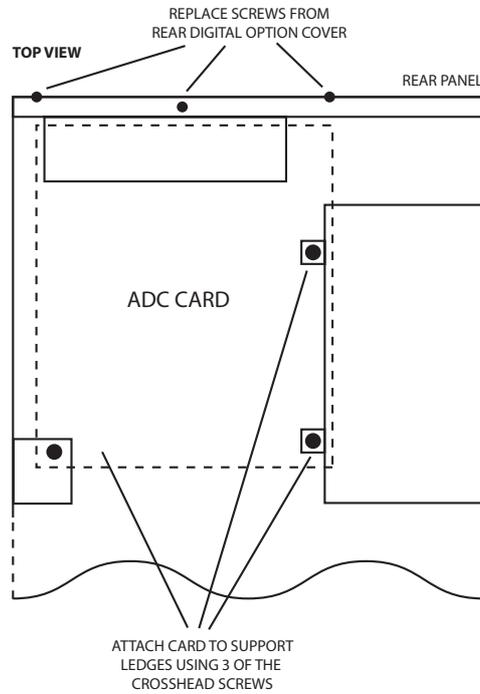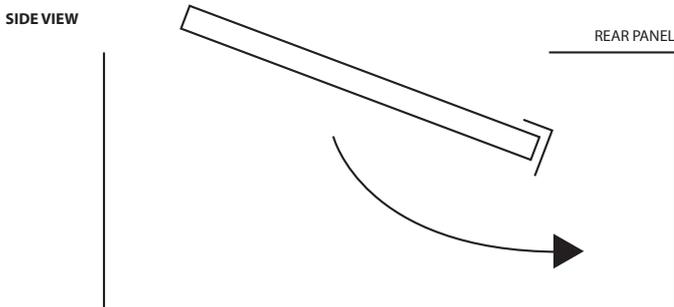
DIGITAL OUTPUT

REMOVE THESE 3 SCREWS

Installing the Digital Option

The digital card is mounted in place using three of the four supplied crosshead screws and the three support ledges within the unit, as shown below.

REAR PANEL

ORIENTATION NOTCH

J14A

LATCHES

3 SUPPORT LEDGES

Fitting the Card

Place the card into the unit with the cable pointing towards socket J14A. Rest the card on the ledges so that the three holes on the card line up with the three holes on the support ledges. Screw the card into place using three of the four crosshead screws and the three screws retained from the rear digital option cover.

SIDE VIEW

REAR PANEL

TOP VIEW

REPLACE SCREWS FROM REAR DIGITAL OPTION COVER

REAR PANEL

ADC CARD

ATTACH CARD TO SUPPORT LEDGES USING 3 OF THE CROSSHEAD SCREWS

Once the card has been secured into place, the digital card ribbon cable can be connected to the socket on the ISA One labelled J14A. The connector should be pressed firmly down in place, until the two latches have locked, to ensure a 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!**

Replacing the Top Cover

The top cover should now be replaced, using the 10 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 One Unit with the ADC fitted

The ISA One recognises the installation of the digital card after you have carried out the following step:

• Press and hold down any switch on the front of ISA One whilst powering up the unit. Once the front panel is illuminated, release the switch.

The digital card will now be active. This is a one-time action. Once initialised, the ISA One will recognise the presence of the ADC each time the unit is powered up.

Please refer to the full User Guide for digital card operation.

Notes

When syncing to an external clock, the sampling frequency should be the same on all devices in the digital chain. If you experience any difficulties installing the digital option, please contact Focusrite technical support at supportteam@focusrite.com

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