



MINI-Control Axis Extension Drive Modul Extension 542 V1

Installation Instructions

EIF.MC.DRIVEEXT5.V1

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Introduction

The CNC control MINI-Control was planned modularly from the beginning and is designed for simple, diverse expansion even by the inexperienced user. The addition of two stepper motor channels is also largely prepared and done quickly. After that you can ...

- ... e.g. control a rotary axis, or ...
- ... operate up to two axes with two stepper motors each as a master/slave duo.

Installation

Proceed as follows for installation:

- Pull out the mains plug and open the housing.
- Mount the extension board in the front part of the housing using the enclosed spacer nuts and screws, as shown in figure 1.
- Connect the MC Drive module and the axis expansion module to the sockets marked „STEP/DIR-2“ using the ribbon cable provided.
- Connect the power supply to the EXT- (black) and EXT+ (red) terminals of the MC drive and axis extension module using the cable bridges provided.
- Configure the output stages as described on page 13 of the MINI-Control assembly instructions. The power amplifiers are not included in the scope of delivery of the expansion module and must be purchased separately.
- Plug the power amps into their places.

This completes the axis extension. The stepper motors are connected in the same way as for the X, Y and Z axes. The configuration of the new channels for their respective application with the jumpers on the main circuit board is described on page 17 of the MINI Control assembly instructions.

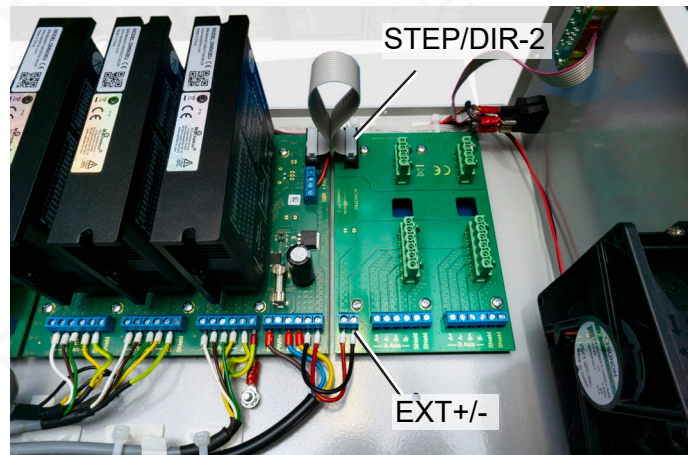


Fig. 1: Fully assembled Extension 542 module

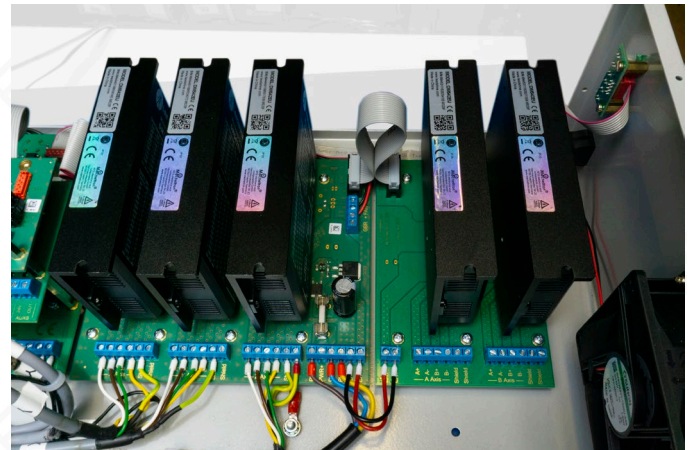


Fig. 2: Ready for use with the power amplifiers plugged in