

## INSTALLATION GUIDE

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### PATHPILOT CONTROLLER FOR 15L LATHE AND PCNC MILLS

# PURPOSE

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This document gives instructions on installing the PathPilot Controller for 15L Lathe and PCNC Mills on a controller arm.

## PRODUCT INFORMATION

**Product:** PathPilot Controller for 15L Lathe and PCNC Mills (PN 50848)



Quantity	Description
1	Ethernet Cable, 2 ft (PN 50845)
1	Machine Interface Adapter (PN 51201)
1	<u>PathPilot Controller VESA Mount (PN 50382)</u>
1	PathPilot Revision D Controller (PN 51718)
1	VGA Cable, 1.5 ft (PN 50844)

**Note:** If any items are missing, we can help. Create a support ticket with Tormach Technical Support at [tormach.com/how-to-submit-a-support-ticket](https://tormach.com/how-to-submit-a-support-ticket) for guidance on how to proceed.

## BEFORE YOU BEGIN

If you haven't yet done so, you must first install the following items before you begin:

- Controller Arm (PN 38791)
- Monitor

For installation instructions, go to [tormach.com/docs](https://tormach.com/docs).

## INSTALLATION

The PathPilot controller attaches to the top of the PathPilot controller mount and behind the monitor.

1. Put four standoffs into the controller and tighten them by hand.



*Figure 1: Installing the standoffs on the controller.*

2. Find the four M4 screws and the VESA plate included with the controller. Then, mount the VESA plate to the PathPilot Controller VESA Mount (PN 50382). Make sure to put it flat side down with the keyholes toward the monitor.



*Figure 2: VESA plate mounted onto the PathPilot Controller VESA Mount (PN 50382).*

3. Attach the controller to its mount by sliding the standoffs through the key slots.



*Figure 3: Controller attached to the top of the mount.*

4. Find the Machine Interface Adapter provided. Then, remove the film from the double-sided tape on its case.



*Figure 4: Adapter identification.*

- Put the case below the PathPilot Controller VESA Mount. Verify that the case is oriented so that the DB-25 port is facing to the left side of the monitor from behind. Press up firmly to attach it in place.



*Figure 5: Adapter attached to the bottom of the mount.*



**Note:** You may have to mount the case at an angle to fit between any screws on the PathPilot Controller VESA Mount.

- Connect all USB accessories to the controller:
  - Jog Shuttle (PN 30616)** (Optional)
  - Keyboard
  - Mouse
  - Monitor
- Connect the monitor's video cable to the controller.
- Route the loose end of the video cable toward the monitor, and then connect it to the monitor.
- Connect the power supply to the controller.
- Route the loose end of the power cords from both PathPilot controller units to a power strip, and then connect them.
- Find the DB-25 interface cable provided with this kit. Connect the DB-25 interface cable into the DB-25 outlet on the side of the electrical cabinet.
- Route the loose end of the DB-25 interface cable to the Machine Interface Adapter, and then connect it to the DB-25 port.
- Find the Ethernet cable, and then connect it to the Ethernet outlet on the Machine Interface Adapter.
- Route the loose end of the Ethernet cable toward the controller and then connect it.
- Secure the wire loom, Ethernet cable, and power supply cables to the Controller Arm with six wire tie mounts and six cable ties.