

EVO-quattro Quick Start Guide



The EVO-quattro mount comes in a wooded box with internal shaped foam packaging, in order to provide a safety shipping.



In the package can be found two lifting eyes required to lift up the mount.

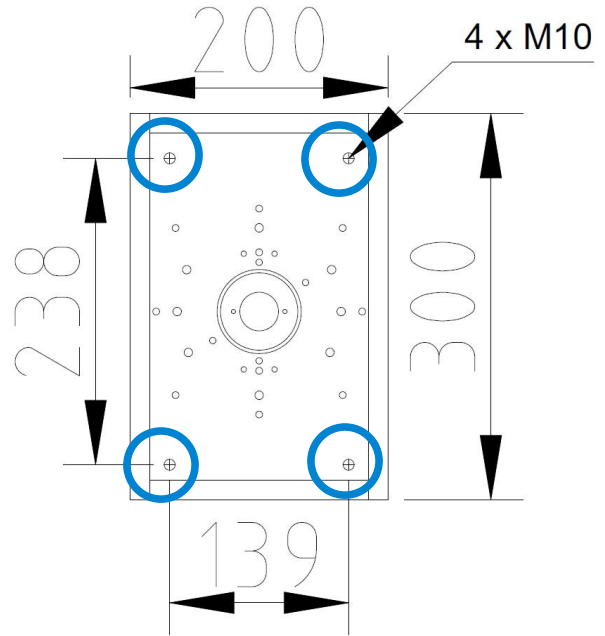
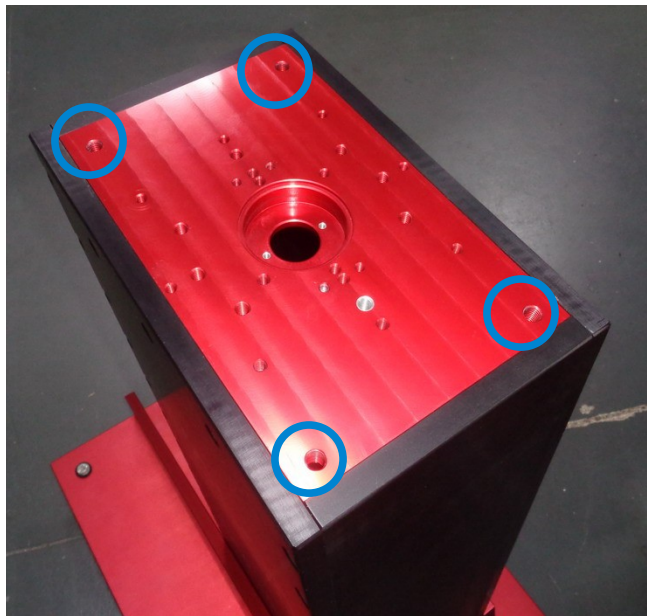


There are two lateral threaded holes dedicated for the lift eyes: one on the mount DEC body left side and one on the right side. The images below show the left side.

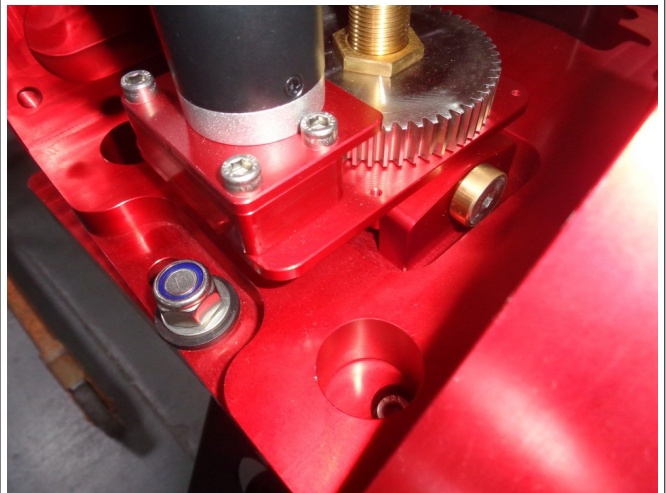
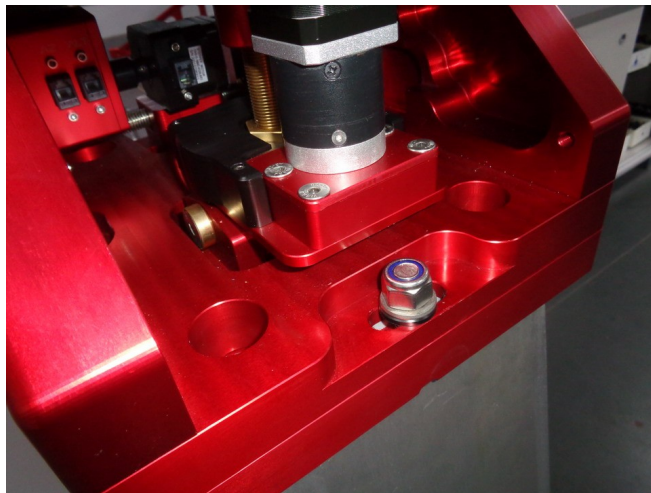


The lift eyes can be used to attach lifter hangers and lift up the mount, in order to place it on the Pier.

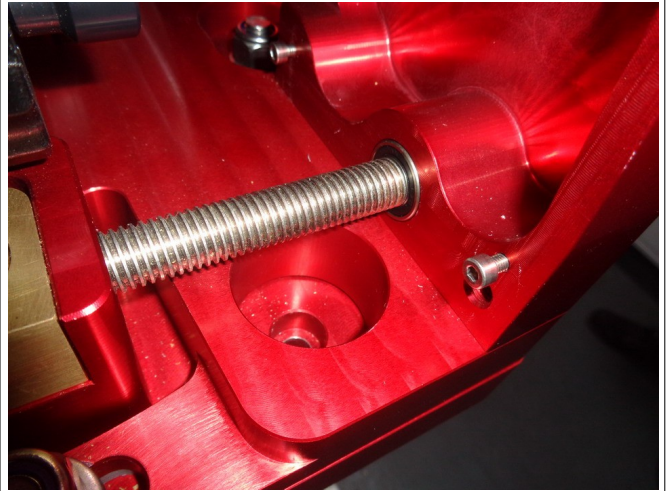
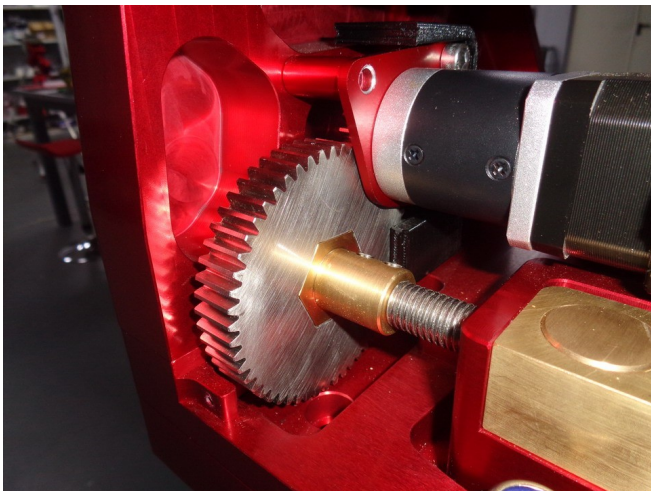
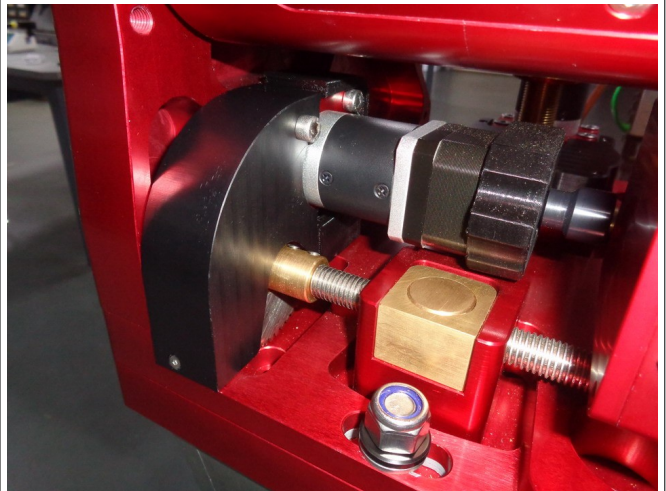
The images below show the mount fixing threaded holes.



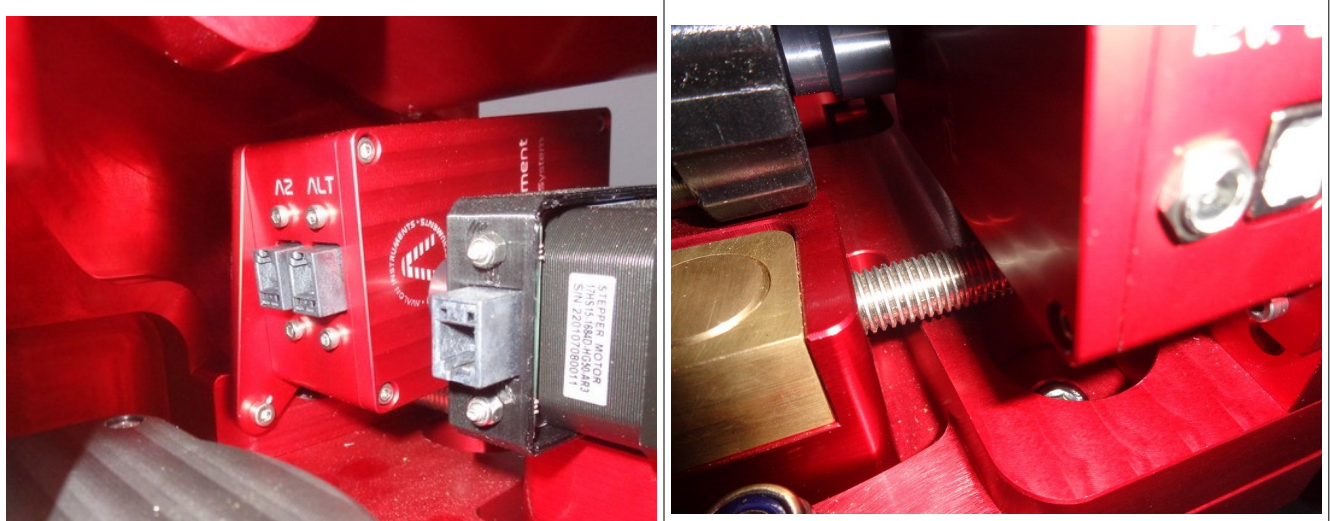
Once the mount will be placed on the pier, it must be fixed on this support matching the four fixing screw slots on the corresponding hole threads.



One of the four fixing holes, the one shown in the picture on the right, is partially covered by a gear carter, that need to be removed to clearly see the hole slot and screw the fixing bolt.

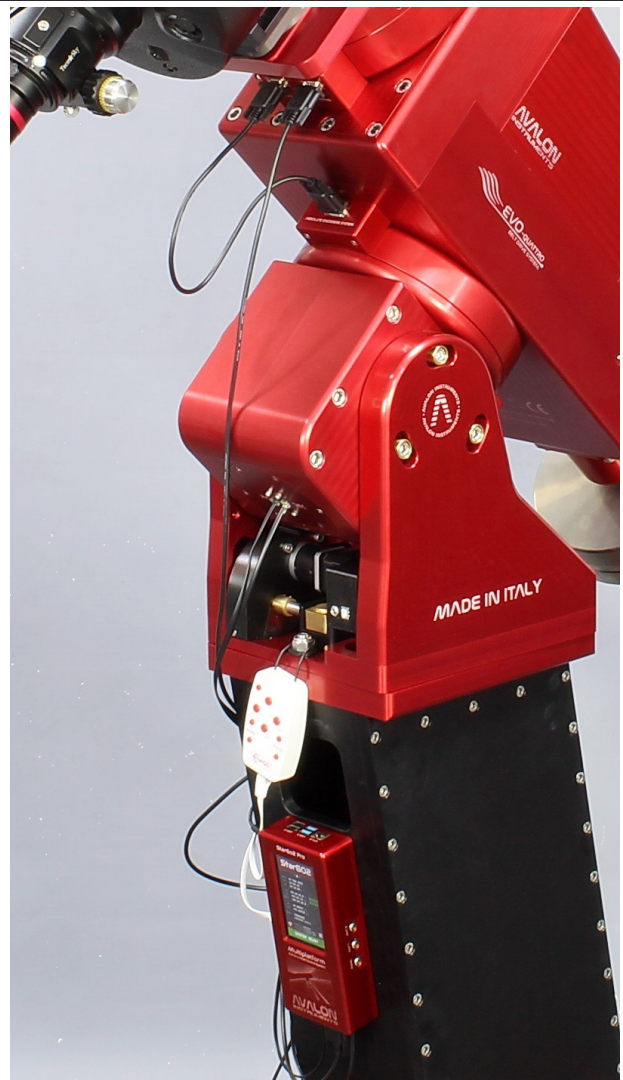


When all the four bolts will be screwed on their corresponding holes, it will be possible to mount again the gear carter and to assemble the Motorized Polar Alignment System controller.



Inside the package is possible to find the cables required to connect the Motorized Polar Alignment controller with the corresponding motors.

Before to start the StarGo2 Pro the RA, DEC motors cable and the Encoders cable should be connected from the StarGo2 Pro plugs to the connector plug on the mount, as shown in the image on the right.



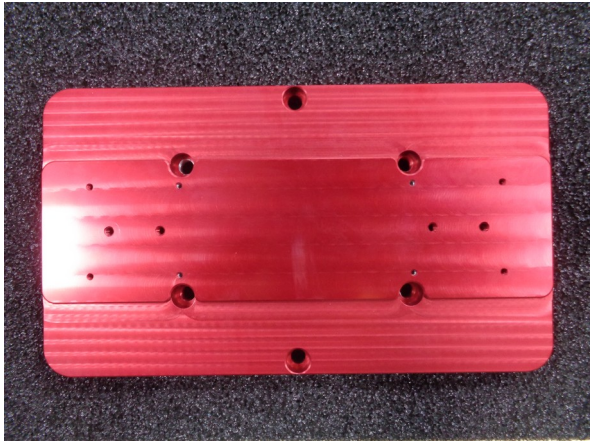
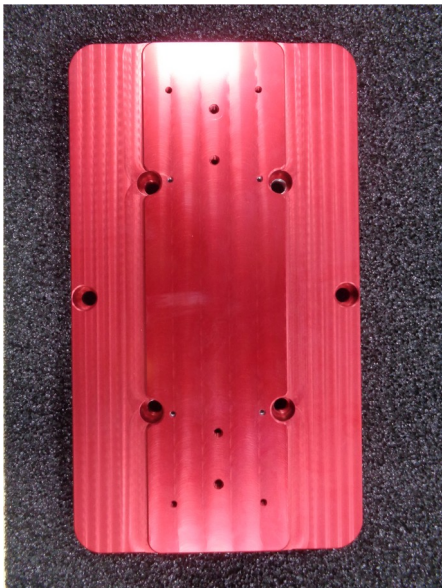
When all the cables are connected and the mount is balanced, is possible to move the mount axis.

The next step is to install the clamp attaching flange, before to do this, as described below, it is important to move the DEC axis till the North Mark engraved on the DEC flange will be roughly pointed to the North.

NOTE: BEFORE TO MOVE THE MOUNT IN THE RA AXIS, BE SURE THE THE SYSTEM IS FINE BALANCED!

So before to move the mount in the RA axis, insert the counterweight bar and the required counterweight on depending on the setup telescopes.

If no telescopes has been still mounted, it must be inserted only the counterweight shaft.

Double telescope configuration	Single telescope configuration
The fixing flange can be positioned in two positions: horizontal way compared to the DEC axis or parallel to the DEC axis.	
	
Regardless the position choosed, before to install it, the North mark should be positioned pointing to the North, as shown in the pictures below.	



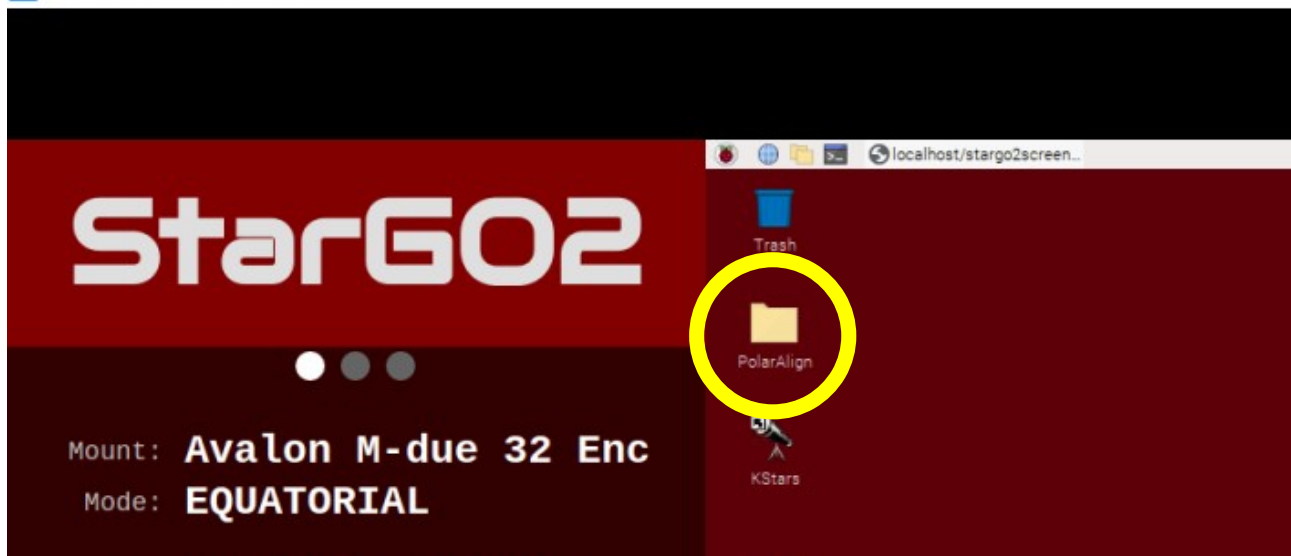
Motorized Polar Alignment management

In order to work with the mount the Motorized Polar Alignment Kit must be powered on with the provided 12V Power Supply and must be connected to the StarGo2 Pro with the provided USB cable, plugging the USB cable to one of the USB ports available on the controller.

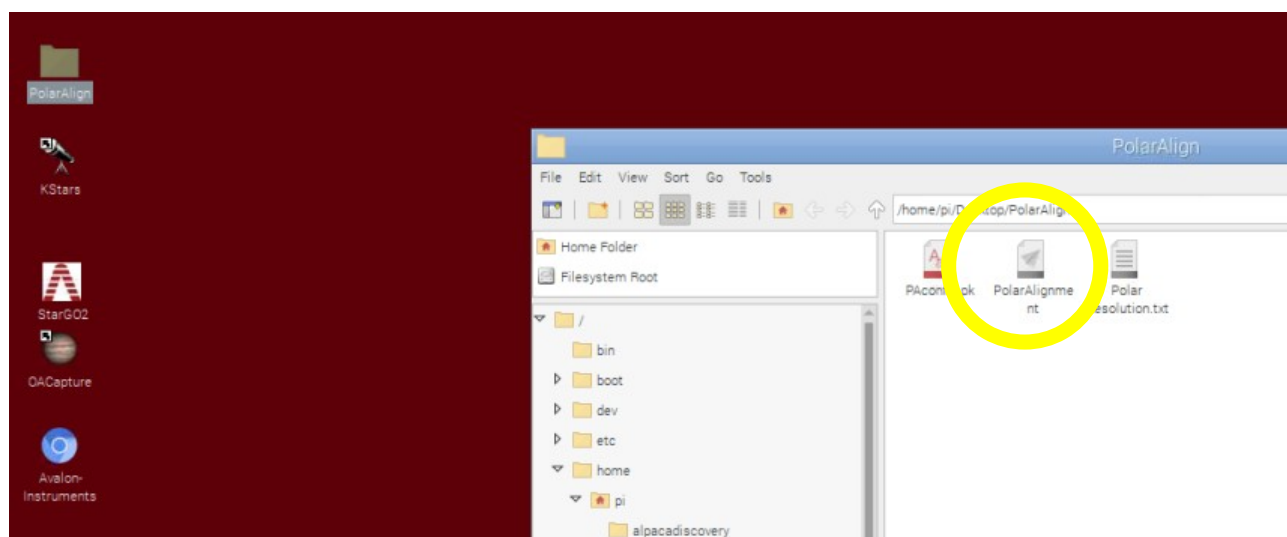
The Polar Alignment is performed through the Motorized Polar Alignment Kit with its dedicated software, preinstalled inside the StarGo2 Pro Raspberry PC. This means that it is required a Remote Desktop Connection via VNC (see paragraph 2.6.1. How to establish a Remote desktop connection via VNC, pag. 13).

The Software icon launch is located in a folder on the Desktop, the folder name is “PolarAlign”.

V2 10.10.9.83 (StarGO2) - VNC Viewer



The icon launch inside the folder is called PolarAlign as well.



By double clicking on the icon, the software window will pop up.



In order to start the motors management, click on the connect button, when it will turn green and the label change from connect to disconnect, the connection will be established.

