

UPAS Quick Start Guide

The Universal Polar Alignment System (UPAS) has been designed to be compatible with any mount on the market, the payload capability is up to 50/60 kg. The compatibility may be direct or through adapters on depending on the mount model.

The following Quick Start Guide has been produced by using the following Avalon products: - UPAS, T-pod 110, M-zero OBS (without Motorized Polar Alignment Kit), UPAS T-POD ADAPTER.
However, the procedure sequence shown below is the same for any mount or tripod.

Installation on tripod

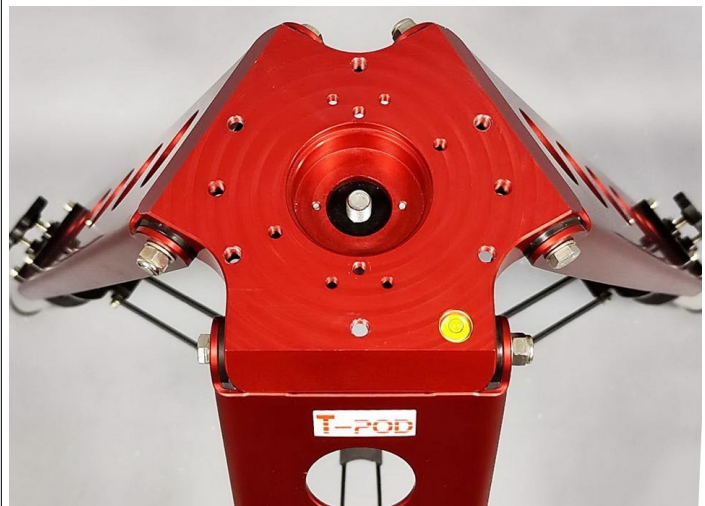
The Universal Polar Alignment System come with a central M12 female thread for the attaching on the tripod and two slot holes designed to prevent sliding.



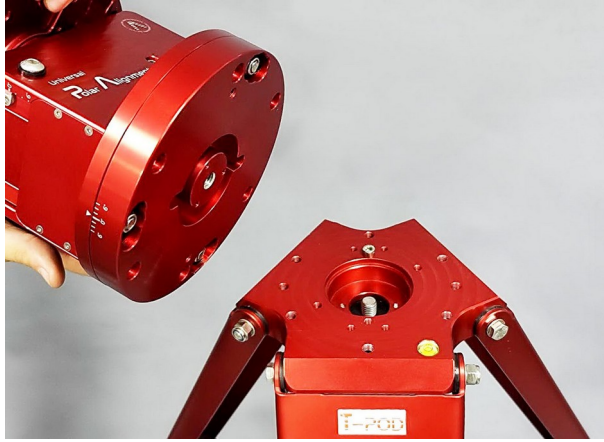
The North side of the UPAS is the one showing the ALT/AZ degrees marks



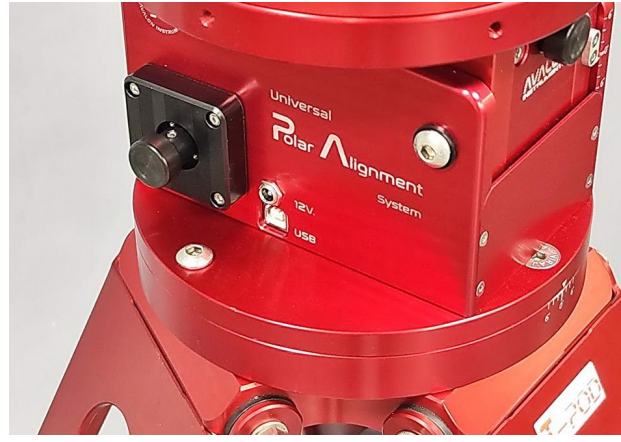
Before to install the UPAS, is required to install the UPAS T-Pod adapter.



Then is possible to attach the UPAS on the T-pod, paying attention to make correspond the UPAS north side to the T-pod North leg. The antisliding screw must correspond to the dedicated slot hole.



Once the UPAS has been placed on the T-pod tripod top, fix it by screwing the fixing knob.



Mount installation

Put the mount adapting flange on the UPAS top and



Fix it with the required screws.
NOTE: the UPAS movement range is about 6° , so it requires a rough manual alignment within this range.



UPAS power on and start up

Connect the provided USB cable to the UPAS



Then connect it to the PC



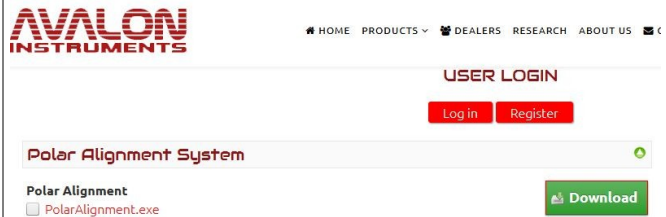
Power on the UPAS



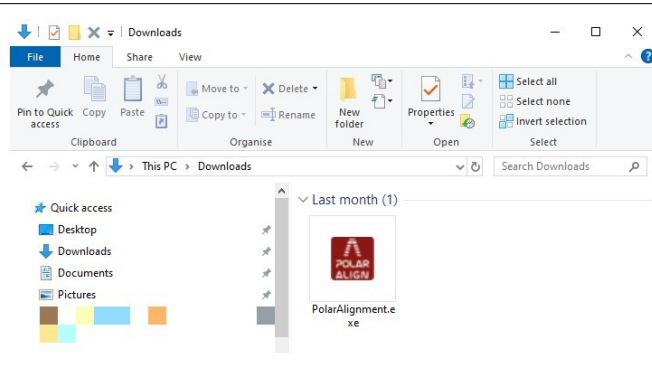
Download and install the Polar Alignment System software

- Go to the download page (see link below):
<https://www.avalon-instruments.com/support-2/support/category/7-polar-alignment-system>

- Click on the download button



The software doesn't require any installation, just double click on the downloaded PolarAlignment.exe to launch it



Select the correct COM PORT

Click on the connect button

Set the following Gear Ratio and Speed:

Azimuth = 2 Speed 1000, Altitude = 22 Speed 700

