DIMM Hard Disk software DIMM Software Dongle	
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Version	Modifications	Date
1.0	First Version	10/14/2025

Acronym List

SSD : Solid State Drive
DIMM : Differential Image Motion Monitor.
PRISM : Astronomy software from Alcor-system company

1. Document scope

This document describes two important items to make run the DIMM system.

2. Delivered Items

Figure 1 : SSD hard disk, top view

Figure 2 : SSD hard disk, bottom view

Figure 3 : PRISM and DIMM software module dongle

The following items are delivered along with the DIMM System :

1. Bootable Windows 11 SSD Hard disk (BX500 2.5 SSD 480 GB)
2. Blue USB Dongle to enable the startup of PRISM Software and its embedded module : Warning this not an USB stick that contains any data. This a dongle with a dedicated processor.

3. How to use the HDD media and Dongle

The SSD (BX500 2.5 SSD 480 GB) contains a bootable Windows 11 operating System (version 24H2) that can be connected to any windows 11 compliant PC. You need to remove/disable any previous operating system disk and install the BX500 2.5 SSD 480 GB provided by ALCOR-SYSTEM

Here are the credentials

Login : DIMM_ALCOR
Password : DIMM1789
IP : 192.168.1.77

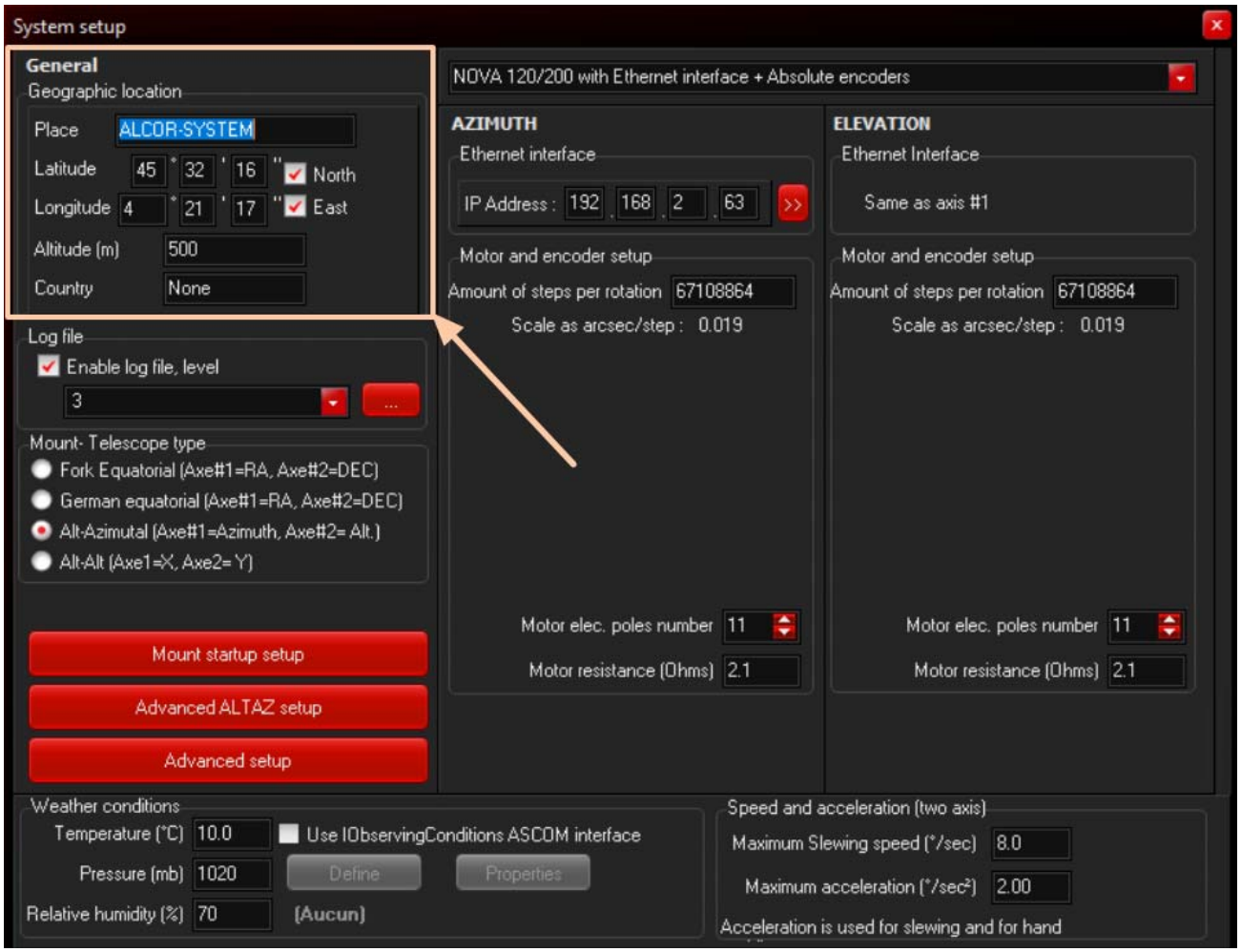
This PC can be accessed remotely by Microsoft Remote Desktop and by Rustdesk also.

This disk has been populated with :

- Working operating system Windows 11 24H2 version
- PRISM and its embedded DIMM module software : please connect to USB port the Blue Dongle in the zip bag, otherwise you will be prompted that this is an invalid license, and software may stop immediately.
- “Nova Mount control driver” software that is mandatory to operate the mount.
- All software have been setup (all parameters have been defined) and tested in real conditions.

IMPORTANT :

The only action to perform with the NOVA Mount software is to setup properly the geographic place coordinates.


System setup
General
Geographic location
Place
ALCOR-SYSTEM
Latitude
45 ° 32 ' 16 " North
Longitude
4 ° 21 ' 17 " East
Altitude (m)
500
Country
None
Log file
Enable log file, level
3
Mount- Telescope type
Fork Equatorial (Axe#1=RA, Axe#2=DEC)
German equatorial (Axe#1=RA, Axe#2=DEC)
Alt-Azimutal (Axe#1=Azimuth, Axe#2= Alt.)
Alt-Alt (Axe1=X, Axe2= Y)
Mount startup setup
Advanced ALTAZ setup
Advanced setup
NOVA 120/200 with Ethernet interface + Absolute encoders
AZIMUTH
Ethernet interface
IP Address : 192 . 168 . 2 . 63
Motor and encoder setup
Amount of steps per rotation 67108864
Scale as arcsec/step : 0.019
Motor elec. poles number 11
Motor resistance (Ohms) 2.1
ELEVATION
Ethernet Interface
Same as axis #1
Motor and encoder setup
Amount of steps per rotation 67108864
Scale as arcsec/step : 0.019
Motor elec. poles number 11
Motor resistance (Ohms) 2.1
Weather conditions
Temperature (°C) 10.0
Use IObservingConditions ASCOM interface
Pressure (mb) 1020
Define
Properties
Relative humidity (%) 70
(Aucun)
Speed and acceleration (two axis)
Maximum Slewing speed (°/sec) 8.0
Maximum acceleration (°/sec²) 2.00
Acceleration is used for slewing and for hand

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