

CEM120 Beta Firmware Update

20090315

Board package: V20190315

Bug fixed:

- Fixed the bug that may brick the main board to entering upgrading mode while upgrading the firmware.

20190311

HC Firmware: V20190220

Board package: V20190311

ASCOM/Commander: V6.2.0.1

Bug fixed:

- Addressed Park Position errors

Improvements:

The new firmware and Commander prevented to park the mount at current position while the mount is pointing below horizon.

A note about Pointing State:

1. Pointing State is only available for Slew in Commander
2. The Meridian position limit needs be set to pass meridian, i.e., 1-14 degree
3. The Pointing State will only be active when the mount is moving this range. For example, if the Position Limit is 11 degree, when the mount is between -11 to 11 degree of Meridian, the Point State will be active.
4. There will be discrepancies due to the alignment model or atmospheric refraction consideration
5. For astronomic software, such as SGP, does not rely on the states. There is a Set PierSide command to force the meridian flip.

20190308

HC Firmware: V20190211

Board package: V20190220

ASCOM/Commander: V6.2.0.0

What has been done in Firmware:

- Implemented new algorithm
- Fixed bugs that affects goto, park to Zero Position
- Fixed bug that affects autoguiding
- Fixed bugs that affects meridian flipping
- Enabled dual-axis tracking for deep sky objects and stars

What has been done in ASCOM/Commander:

New features:

Added the ability to choose pointing state in Slew menu when mount is available in both normal pointing and counterweight up state.

Improvements:

Overall code robustness improved.

Bug fixed:

- Sometimes a “not connected” status was reported when establishing the connection to the iOptron Commander at first time; .
- Sometimes iOptron Commander would not report version of electric focuser;
- Firmware version check would not perform when clicking “Detect New Devices”.

Known issues:

TPoint Pointing Model is not compliant to Commander yet. It will be fixed with next version Commander releasing in a few days.