

iEQ30 Firmware Upgrade History

Initial Release (April 15, 2012)

MB-V120301 Initial release (main board)

RA/DEC-V111121 Initial release (R.A. and DEC motor control boards)

HC-V120301 Initial release (8407 HC)

Released on May 8, 2012

RA/DEC-V120323 Corrected PEC calculation error (R.A. and DEC motor control boards)

Released on May 18, 2012

HC-V120511 Fixed DST display error (HC)

Released on August 13, 2012

RA/DEC-V120725 Fixed RA or DEC motor runaway issue (RA and DEC control boards)

Released on December 18, 2012

MB-V120803 To reflect newly added RS232 commands for ASCOM control (refer to ASCOM section for lasted iOptron ASCOM .NET driver)

HC-V121213 Fixed 2 and 3 star alignment bug with multi-star alignment;
In Set User Object: added Set the Comet sub-menu for user entrance of comets;
To reflect newly added RS232 commands for ASCOM control

Released on April 10, 2013

HC-V130401 Added Polar Align function for those who can't see the pole star.
Added an option to allow a mount to keep tracking even an object is below horizon.

Upgrade Utility 1.1 Increased hand-shake time out for legacy USB to COM converters.

Released on November 22, 2013

HC-8407-EQ-V131031.bin

- Updated comets list. The list now consists 15 brightest comets in the next 3 years, including ISON and the newest one Lovejoy;
- Fixed a bug in alignment menu, which may freeze the system;
- Added support for iOptron Electronic Focuser;
- Operation response speed optimization and other minor bug fixing

MB-V130226 MB firmware matches with the latest HC firmware to avoid error message

Updated on February 13, 2014

For those who need reload iEQ30 RA/DEC motor drive board firmware:

- There are two type of iEQ30 servo motor with different reduction ratio. One is 64X (with black reduction gear box) and another is 62X (with shining gear box). The motor drive firmware can be identified by a hand controller with latest firmware (V131031).
- Install a wrong RA/DEC board firmware will cause goto and tracking errors for the mount.

For 64X motor:

RA/DEC-V121102 Improved RA or DEC motor response time

For 62X motor:

RA/DEC-V130328 New release