

Preston Cinema Systems

MDR-3 Version History

- 1.00 First official version. (August 2013)
- 1.01 Analog FIZ data added to the Service Command (August 2013)
- 1.02 Bug with SER1 and GENLOCK causing CPU lock-up (August 2013)
- 1.03 Bug with DropFrame being associated with wrong FPS fixed (August 2013)
- 1.04 AUX assignment implemented. Bug fixes (Sept. 2013)
- 1.05 Minor bug fixes. (Oct. 2013)
- 1.05s Smaller safety margins for the focus and zoom (Feb. 2014)
- 1.06 Lens Information can be received from the HU. Focus distance is calculated from the Focus motor position.
Light Ranger-II communication added on SER1 or SER2 ports
New Client "Video Interface" added.
Distance from different Distance Clients can be sent concurrently. Cooke smart lens can be used on the SER1 port only.
Maximum motor torque is also function of the motor type. (April 2015)
- 1.07 Fixed Light Ranger infinity distance problem.
T-stop default to T-2 if Iris motor is not present but Iris is calibrated (April 2015)
- 1.08 Serial protocol changed to send Lens Data as default information. Bit-6 in the Data Description byte indicates if sent data will be Lens Data (0) or encoder count (1). In the case that F, I or Zoom are not calibrated, zero value will be sent respectively. This change will enable logging the actual lens data to the flash drive instead of encoder counts.
FarLimit and NearLimit synchronization added (May 2015)
- 1.081 Sniper added as the Distance Client (June 2015)
- 1.082 Changed the way AF settings are synchronized with the Light Ranger (June 2015)
- 1.083 LR distance sent to the HU has to be inside AF limits. (June 2015)
- 1.089 New LR functionality (January 2016)
- 1.090 Added command to get the firmware version from the transceiver. Provides Iris and Zoom information to the LR when I and Z motors are not plugged in, but I and Z are calibrated (Feb. 2016)
- 1.091 Bug with coefficients for Leica Summilux fixed (March 2016)
- 1.092 Bug where LR would not work with Fujinon lenses fixed. Zoom signal scaling added as a function of M3 span. (April 2016)
- 1.093 Added support for the motors with the Digital ID. MSTAT command changed to report extended number of motor types. Zoom signal scaling extended to cover motors with Digital ID. (October 2016)
- 1.094 Change in the protocol related to the Light Ranger functionality. Requires the HU-3 firmware V 2.24 or later. (November 2016)
- 1.095 Minor bug fixes. (December 2016)
- 1.096 Fixed the bug with Zoom and AUX motor torques resetting to Blue on power-up.

- 1.097 Added support for DM5. Fixed the bug with AF going to infinity when the distance was out of the Near-Far limit. (April 2019)
- 1.098 Handling serial ports improved. (June 2017)
- 1.099 Lens manufacturers and lens types look-up tables added for lens information request. Added new command _INFO for information transfer. Requires HU3 V2.29 or higher. (June 2017)
- 1.100 DM5 motor coefficients tuned. (June 2017)
- 1.101 DM2 and DM1X motor settings optimized. (July 2017)
- 1.102 Improved handling of the Distance Clients. (July 2017)
- 1.103 Fixed the bug where the client on the serial port can lock-up the Hand Unit if controlling the Zoom motor (August 2017).
- 1.104 Added ability to send zoom information received from other zoom clients (Analog Z, Wireless Z, Serial Z) back to the Hand Unit. This allows the HU to use this info to: e.g. drive the bargraph display or calibrate zoom. This version requires HU firmware V2.35 or higher. (Jan. 2018)
- 1.107 Added the Hybrid/Manual mode in addition to AF/ Manual mode. Requires VIU V2.051 or higher and HU V2.40 or higher.
Changed the way LANC is handled. Fixed the bug with COM1 and COM2 getting locked when switching baud rates. (April 2018)
- 1.108 Fixed the bug with AF moving motor even if out of the Near/Far limits.
DM5 torque increased. (April 2018)
- 1.109 Added support for transceivers that support FCC, EU and Japan modes. (May 2018)
- 1.110 DM5 calibration speed doubled (June 2018)
- 1.111 Fixed a bug introduced in V1.110 where the motor calibration speed was incorrect. (June 2018)
- 1.112 Improved the accuracy of the DM1x motor. (September 2018)
- 1.113 Fixed the bugs with LANC and Time Code introduced in V1.112. (September 2018)
- 1.115 Improved communication routines. (March 2019)