SmartLCT Update Notes

SmartLCT is a software platform allowing screen configuration, redundancy configuration, settings and adjustments of the parameters of sending cards and video processing devices.

Version	Release Date	Changes (New Features)	Supported Hardware Models	Compatibility
V3.1	**May 20, 2017**	**1. New features:** 1) Redundancy has become visualized. 2) Capable of rotating a single cabinet around any center. 3) A rotating bar has been added to make cabinet rotation easier. 4) Cabinet alignment has been added. 5) Capable of snapping to the left and top edges of cabinets. 6) Capable of quickly adding a certain number of rows and columns of cabinets. 7) More cabinet information and more information about the exported diagrams have been added. 8) V-Sender supports playing and controlling via USB drives. 9) More hardware devices are supported. 10) An infringement statement has been added. 11) OSX supports MCTRL300, MCTRL660/600 and V700; 12) Supports six languages: Chinese, English, French, Russian, Spanish, German; **2. Improvements:** 1) An improvement in rotating cabinets. 2) An improvement in sending the data of seam brightness	SmartLCT supports: 3D HD K2U K4 K4S K4U MCTRL4K MCTRL300 MCTRL500 MCTRL660 NovaPro HD V700 V800 V900 VX2 VX2U VX4 VX4S VX4U MCTRL R5 V-Sender supports: 3D HD K2U K4 K4S K4U MCTRL4K MCTRL300 MCTRL500 MCTRL660 NovaPro HD V700 V900	Compatible

		adjustment. 3) An improvement in grouping cabinets. 4) An improvement in the UI display and user operation of V-Sender. 5) An improvement in the algorism of automatic generation of the connections among cabinets. **3. Changes:** 1) Solved the problem that devices get lost and become abnormal when loading project files. 2) Solved the problem that LED displays get blurred when being rotated.	VX2 VX2U VX4 VX4S VX4U	
V3.1.2	**Aug 09, 2017**	**1.New features:** 1) OSX supports MCTRL300,MCTRL660/600 and V700; 2) Supports six languages: Chinese, English, French, Russian, Spanish, German; **2.Improvements:** 1) Improved the method of calculating the maximum number of cabinets that can be added in batches. 2) Improved the real-time sending efficiency of MCTRL R5. 3) The SmartLCT for Mac OSX is changed to a .dmg installation file. **3.Changes:** 1) Fixed the problem that exceptions occur during seam brightness adjustment. 2) Fixed the problem that some devices cannot be upgraded with V-Sender.		
V3.1.2	**Aug 25, 2017**	**1.New features:** **2.Improvements:** **3.Changes:** 1) Fixed the problem that cabinet		

		files in rcfgx format cannot be loaded when the display language is English.		
V3.2.0	**Jan 8, 2018**	**1.New features:** 1) Capable of reading back and sending firmware programs of the Ax series receiving cards 2) Capable of reading back and sending the receiving card configuration file (*.rcfgx) 3) The mapping function is enabled when cabinets are connected. 4) The Ax series receiving cards allow to read back and display cabinet information. 5) Capable of reading back module ID 6) The receiving card configuration file is sent automatically when an offline project is sent to match the device. 7) Supports ThunderviewS1. 8) Supports the monitoring function. **2.Improvements:** 1) Improved the main user interface style. 2) Improved offset and rotation settings. 3) Improved the seam brightness adjustment method. The keyboard can be used to adjust seam brightness. 4) Improved the main user interface style of V-Sender. **3.Changes:** 1) Fixed the problem that the logo is not shown in the exported file. 2) Fixed the problem that the screen blinks when SamrtLCT works with the MCTRL R5 to rotate from 0° to 1° and from 1° to 0°.	ThunderviewS1	
V3.2.1	**Feb 8,**	**1. New features:**	MCTRL660 Pro	

	2018	1) Advanced hot backup configuration has become visualized. 2) Supports prestoring an image in the receiving card. 3) Supports enabling and disabling calibration for a single cabinet and the whole screen. **2. Improvements:** 1) Added the view mode information in the remarks for the exported diagram. **3. Changes:**	MCTRL 1600	
V3.4.0	**Aug7, 2018**	**Note:** SmartLCT V3.4.0 supports macOS V10.10 or later. **1.New features:** 1) Batch adjustment function is added. 2) Color temperature and color gamut adjustment is added. 3) V-Sender supports the MCTRL R5 and MCTRL660 PRO. 4) V-Sender supports showing the optical ports. **2.Improvements:** 1) Improved cabinet connection. 2) The color of the exported image of screen configuration information can be customized. 3) Improved the calibration switch. 4) Improved canvas settings. 5) Improved brightness adjustment. 6) The advanced mode of hot backup function is visualized. **3.Changes:** 1) Changed the supported UI languages to only Chinese and English. 2) Deleted the Beacon function. 3) Removed the support for the MCTRL1600 device supported in V3.2.1.		

| V3.4.1 | Nov 21, 2018 | **1. New features:**
1) Added 8 cabinet connection patterns.
2) In the **Advanced** function on the **Edit** page, the configuration files can be sent at the same time.
3) Added the following functions in V-Sender:
  - Low latency (supported by the MCTRL4K and MCTRL660 PRO)
  - Working as fiber converter (supported by the MCTRL660 PRO and MCTRL1600)
  - 3D (supported by the MCTRL4K and MCTRL1600)
  - HDR (supported by the MCTRL4K)
4) Supports the MCTRL700, VX5s and VX6s.

2. Improvements:
1) Improved the initialization process and moved it to the guidance page.
2) Improved direction pointing of triangle in the center of the initial cabinet during cabinet connection.
3) Improved the induction zone in cabinet during cabinet connection.
4) Improved the test tool. The number range of modules can be set.
5) Improved settings of pre-stored image.

3. Changes:
1) On the device properties page, deleted **Position** and changed **Mapping Position** to **Offset**.
2) On the **Cabinet Management** page, changed the minimum cabinet size to 1 mm.
3) On the **New Offline Design** > | MCTRL700
MCTRL1600
VX5s
VX6s | |

		Create a new project page, changed **Max**. **Load** to **Source Resolution**. 4) Fixed the problem that the offset position cannot be viewed after the cabinets are grouped. 5) Fixed the problem that the receiving card model is incorrect after the monitoring data is refreshed. 6) Fixed the problem that supplementing blue by green for the first time does not take effect in batch cabinet adjustment. 7) Fixed the language resource and other on-site problems. 8) Language setting is available only on the guidance page.		
V3.4.2	**Jan 18, 2019**	**1. New features:** 1) Allows to rename the MCTRLR5 device. **2. Improvements:** 1) Improved naming of HLG modes. **3. Changes:** 1) Deleted the **Save** button on the seam brightness adjustment page. 2) Supports the AXS series receiving cards that support image rotation in 90° increments. The angles of online cabinets in SmartLCT can change according to the rotation. 3) Changed the stepping of adjusting HDR10 parameters to 10.		
V3.5.0	**Jun 28, 2019**	**1. New features:** 1) Added support for the NovaPro UHD Jr all-in-one controller. 2) Supports online software update. 3) Added device properties in the		

| | | properties area on the right.
4) Allows users to connect cabinets with keyboard shortcuts (Shift + arrow keys).
5) Allows users to select cabinets with keyboard shortcuts (Shift + left mouse button).
6) Allows users to replace receiving card using the Maintenance function under Help tab in the toolbar.
7) Added No Video Source mode on the Seam Brightness Adjustment page.
8) Allows users to apply effect to all receiving cards.
9) Allows users to recover receiving card parameters from factory partition.
10) Allows users to verify Ethernet port hot backup of online device (supported by the MCTRL4K and MCTRL R5).
11) Supports rotation backup and HDMI 10-bit input of the MCTRL R5.
12) Supports mirror backup of the MCTRL660 PRO.
13) Supports the DH418/MRV206/AT20/DH226 /MRV266/RV17 receiving cards.
14) Displays receiving card model in the properties area on the right.
2. Improvements:
1) Improved the initialization efficiency (Need to upgrade firmware program of the MCTRL4K).
2) Improved the MCTRL4K upgrading efficiency.
3) Improved the Mapping | | |

		function.		
		4) Allow users to choose whether to save screen configuration information to hardware after sending the screen configuration.		
		5) Improved the color temperature adjustment function.		
		6) Improved the rotation in 90° increments function.		
		7) Improved restrictions on project name characters.		
		8) Improved the cabinet management function.		
		9) Improved the canvas zoom range to 10%—500%.		
		10) Improved the exported image of screen configuration.		
		3. Changes:		
		1) Deleted the monitoring function.		
		2) Deleted the reset function in the V-Sender toolbar.		