

# NovaLCT-Mars Upgrading Instructions

## 1. Version Route

V4.4.1 ← V4.4.0 ← V4.2.6 ← V4.2.5 ← V4.2.4 ← V4.2.2 ← V4.2.1 ← V4.2.0 ← historical versions

## 2. Major Contents of Version for Upgrading and Modification (Compared with Last Version)

### V4. 4. 1

Version & release date:	<b>Mar. 18<sup>th</sup>, 2016</b>	
Contents updated:	Upgrading of function	<ol style="list-style-type: none"> <li>1. Smart brightness adjustment: support the redundancy mode of light sensor adjustment — in need of upgrading the hardware and the software package of multi-function card</li> <li>2. Support custom configuration of monitoring card</li> <li>3. Advanced color configuration -&gt;Factory setting: support the restoration of default values of current gain</li> <li>4. Function name: change “My NovaiCare” to “Cloud Monitoring”</li> <li>5. Support MCU upgrading of receiving card</li> <li>6. Support new device: VX5</li> <li>7. Support the batch to be renamed in Multi-batch Adjustment</li> <li>8. Support the operation of monitoring control under redundancy</li> <li>9. Smart brightness adjustment : support to send information by screen(serial port)-needs to update hardware firmware;</li> <li>10. Support brightness broadcast function by hardware-needs to update hardware firmware</li> <li>11. Support to read and adjust brightness in backup mode by smart brightness of hardware -needs to update hardware firmware</li> <li>12. More chips supported ICN2038\SM16027\SM16159\TLS3001\GW6205\SUM2017T\SUM2033\SUM2130\SUM2131\MY9231\GW6202B Algorithm revised:MBI5152\MBI5153\SM6158</li> <li>13. In daisy chain connection, the user can select which device's EDID to be upgraded</li> </ol>
	Bug Fixing	<ol style="list-style-type: none"> <li>1. Fix the abnormal display of monitoring strategy of combined screens</li> <li>2. Fix the bug that some screens are still executing the strategy after the deletion of combined screens</li> <li>3. Fix the abnormal display after loading the system configuration files</li> <li>4. Fix the ceaseless registration when no displays are in monitoring state</li> </ol>

		<ol style="list-style-type: none"> <li>5. Fix the nonsupport of smart brightness adjustment when not all receiving cards of display are effective in gradient mode</li> <li>6. In monitoring, fix the issue of display and strategy execution when work in the combined screen</li> </ol>
Writer:	Li Jin	

#### V4. 4. 0

Version & release date:	Nov. 16 <sup>th</sup> , 2015	
Contents updated:	Upgrading of function	<ol style="list-style-type: none"> <li>1. Optimize manual brightness and automatic brightness function;</li> <li>2. In case a screen is disconnected from the software, the hardware will automatically adjust the brightness in accordance with automatic brightness table;</li> <li>3. New advanced color configuration function;</li> <li>4. Support video device configuration offset and enable synchronization in screen configuration;</li> <li>5. Support real time surveillance on display combination;</li> <li>6. The bright and dark lines support module adjustment;</li> <li>7. New video control function;</li> <li>8. Surveillance malfunction notification frequency support configuration;</li> <li>9. Calibration supports maximization;</li> <li>10. The receiving card supports multi-card cascade connection program update;</li> <li>11. Comprehensive function test of three types of receiving card chips;</li> <li>12. Multi-function card supports external 3D emitter settings;</li> <li>13. Add supported equipment:VP200,VX2,VX4,VX4S,V700,Nova3D HD;</li> <li>14. Optimization of Multi-Batch Adjustment.</li> </ol>
	Bug Fixing	<ol style="list-style-type: none"> <li>1. Repair dark and bright lines adjustment disorder under Demo mode ;</li> <li>2. Repair multifunction card upgrade authority problem;</li> <li>3. Repair Gamma recovery failure of some screens when switching screens during multi-screen calibration;</li> </ol>
Writer:	Li Jin	

#### V4. 2. 6

Version &	June 26 <sup>th</sup> , 2015
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release date:		
Contents updated:	Upgrading of function	<ol style="list-style-type: none"> <li>1. Added the upgrade package that supports V900;</li> <li>2. Added the resolutions 3840*1080 and 2560*1600 for the Nova3D HD device;</li> <li>3. Added the upgrade package that supports Nova3D HD;</li> </ol>
	Bug Fixing	<ol style="list-style-type: none"> <li>1. Rectified the quantity display issue in Device Details on the main interface;</li> <li>2. Rectified the reaction failure between the LCT and brightness tool in the Russian system and French system;</li> <li>3. Rectified the Pro or V900 crash resulting from clicking after it is configured with redundancy;</li> <li>4. Rectified the failure of the loading system if the configuration file does not match the information of the current sending card;</li> <li>5. Rectified the brightness adjustment failure if the brightness tool, configured with redundancy between the cascading sending cards, is powered off;</li> </ol>
Writer:	Li Jin	

## V4.2.5

Version & release date:	<b>V4.2.5 April 26<sup>th</sup>, 2015</b>	
Contents updated:	Upgrading of function	<ol style="list-style-type: none"> <li>1. Support the following driver chips: MBI5252, 5041B, 5041Q, 5045, 5043, 5038, 5124, A043 as well as MY9862, 9269, and 9366;</li> <li>2. Support NovaPro device to be named and displayed on LCD display;</li> <li>3. Add 3D function setting;</li> <li>4. Support advanced users to change login password;</li> <li>5. Support cabinet configuration file to be imported to a specified sending card;</li> <li>6. Support hardware automatic adjustment of brightness;</li> <li>7. Support Dark or Bright Lines recovery for cabinet;</li> <li>8. Support NovaPro cascading through USB;</li> <li>9. Support offline LCT demo;</li> <li>10. Add screen gradual lighting function;</li> <li>11. Support screen calibration to be saved cabinet by cabinet and consecutive saving;</li> <li>12. Support multiple batches to be renamed and batch configuration file to be imported/exported;</li> <li>13. Support data group switch to be searched in a smart way;</li> </ol>
	Bug Fixing	<ol style="list-style-type: none"> <li>1. Resolve the fault caused by Windows 8 permission issue;</li> <li>2. Resolve black screen issue that occurs if ambient brightness exceeds 60000Lum;</li> </ol>

		<ol style="list-style-type: none"> <li>3. Resolve the reading fault that occurs if more than 10 pieces of redundancy information are added;</li> <li>4. Cancel the limitation on width and height modification made to sending card EDID;</li> <li>5. Resolve name incompleteness issue that occurs in expansion mode;</li> <li>6. Resolve OE high level effectiveness setting issue that occurs in general chips;</li> <li>7. Resolve the Delete button clicking failure issue;</li> <li>8. Resolve the software restart failure that occurs after the first step is completed if the sending card is closed;</li> <li>9. Resolve the Configuration button clicking failure issue that occurs if no information is available on the screen;</li> <li>10. Resolve the issue that 10 sending cards are shown on the screen but only one sending card is connected actually;</li> <li>11. Resolve the error that occurs during Flash inspection if a vacancy is reserved;</li> </ol>
Writer:	Li Jin	

#### V4.2.4

Version & release date:	<b>V4.2.4 February 03<sup>th</sup>, 2015</b>	
Contents updated:	Upgrading of function	<ol style="list-style-type: none"> <li>1. Support bright and dark line adjustment appeared after the screen combined with cabinets, which can quickly adjust bright and dark lines between cabinets;</li> <li>2. Support upload the results of the bright and dark line adjustment, which can directly apply to the adjusted results;</li> </ol>
	Bug Fixing	<ol style="list-style-type: none"> <li>1. Added function selection of bright and dark lines Screen Gamma is set to 1, after closing restoration;</li> <li>2. Resolve the error that occurs during Flash inspection if a vacancy is reserved;</li> <li>3. Fixed Upload bright and dark lines correction coefficient does not support expansion mode;</li> </ol>
Writer:	Li Jin	

#### V4.2.2

Version & release date:	<b>V4.2.2 August 26<sup>th</sup>, 2014</b>	
Contents updated:	Modification and	<ol style="list-style-type: none"> <li>1. Helping the document save advertising pages in the presence of network;</li> <li>2. Synchronization of color temperature supporting value and hardware;</li> <li>3. Problem solving that the positioning is inaccurate through a sending card program package.</li> </ol>

	perfection	
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### V4.2.1

Version & release date:	<b>V4.2.1 August 15<sup>th</sup>, 2014</b>	
Contents updated:	Modification and perfection	<ol style="list-style-type: none"> <li>1. Multi-batch adjustment: multi-batch uploading coefficients are normal; deletion of multi-batch normal use; the color is kept in accordance with the selected color when adjusting the brightness; and other known Bug renovation;</li> <li>2. Testing tools: the Cancel button is clicked and errors are reported at first use of positioning background image; normally switch over pages;</li> <li>3. Place changing for storage of main program (to solve limits of authority);</li> <li>4. High-byte low-bit BUG of RefNumPerVs of receiving card new parameter;</li> <li>5. Help document has advertising pages in the presence of network;</li> <li>6. Calibration function to obtain receiving card documents is in accordance with the method for saving documents of the receiving card in display configuration;</li> <li>7. Configuration after successful reading of the receiving card is acquired through copy approach, to solve new display upon next opening;</li> <li>8. Upgrading of hardware sending card program package.</li> </ol>
Writer:	Li Jin	

### V4.2.0

Version & release date:	<b>V4.2.0 June 13<sup>th</sup>, 2014</b>	
Contents updated:	Upgrading of function	<ol style="list-style-type: none"> <li>1. Multi-batch calibration and adjustment of public color gamut;</li> <li>2. Flash configuration function of lamp plate;</li> <li>3. Color temperature simple-adjustment pull rod increased;</li> <li>4. Programmed control brightness, wherein an automatic brightness adjustment interface increases current brightness value;</li> <li>5. User-defined Gamma table saved in receiving card configuration document;</li> <li>6. Positioning function of testing tool: background color refillable pictures increased;</li> <li>7. Functions of import and export of all configuration documents in NovaLCT increased;</li> <li>8. Newly increased setting of coordinates for starting of main program;</li> </ol>

		<ol style="list-style-type: none"> <li>9. Calibration coefficient reset according to size of the lamp plate or pixel points;</li> <li>10. Inspection of Flash checker newly increased;</li> <li>11. Reading and writing of special shaped cabinet configuration software newly increased;</li> <li>12. Reading and writing of cabinet ID newly increased;</li> <li>13. Newly increased supporting to 9868, 2028 chips;</li> <li>14. Online calibration to support verification of Flash calibration coefficient of the lamp plate;</li> <li>15. Setting of display screen, wherein the on-load amount of the internet access exceeds the hint (size: 1G, effective rate: 95%);</li> <li>16. Gradual brightness adjustment through a brightness tool (timed and automatic brightness adjustment);</li> <li>17. Initialized setting of current gains;</li> <li>18. Installation package supports starting of registration of Windows8 brightness tool upon starting up;</li> </ol>
	Modification and perfection	<ol style="list-style-type: none"> <li>1. Partial register open of 5045, 5042B and 5124 chips supported;</li> <li>2. Selection according to pixel domain, which improves the condition that a red box hint is increased when exceeding the domain;</li> <li>3. Application of returning domain increased at the selected area;</li> <li>4. Flash operation and viewing of the lamp plate, with saving function automatically opening chroma calibration;</li> <li>5. Optimization of function use of testing tool;</li> <li>6. E-mail configuration support: SSL safe mode;</li> <li>7. Setting of register initial value of 16136 chip;</li> </ol>
	Bug Fixing	<ol style="list-style-type: none"> <li>1. Bug renovation of color rendition, and drawing of user-defined Gamma curve;</li> <li>2. Problem of Chinese displayed in main interface;</li> <li>3. Modification of error appeared in reading DVI refresh rate of a second card during monitoring;</li> <li>4. Modification of Nova.Windows.Forms.CustomMessageBox.dll; and modification of incomplete language display.</li> </ol>
Writer:	Li Jin	

### 3. Compatibility Instructions

**Incompatible with customized Version**