

# NovaStar NovaLCT-Mars Troubleshooting

Pixel Counts: P2.84 = 176x176, P3.9 = 128x128, P5.9 = 84x84

User(U) -> Advanced Login(A) -> Password: 666

System(S) -> Reconnect(R) to connect to Processor. Make sure USB A/B is connected.

## [1] Setup:

### Screen Configuration

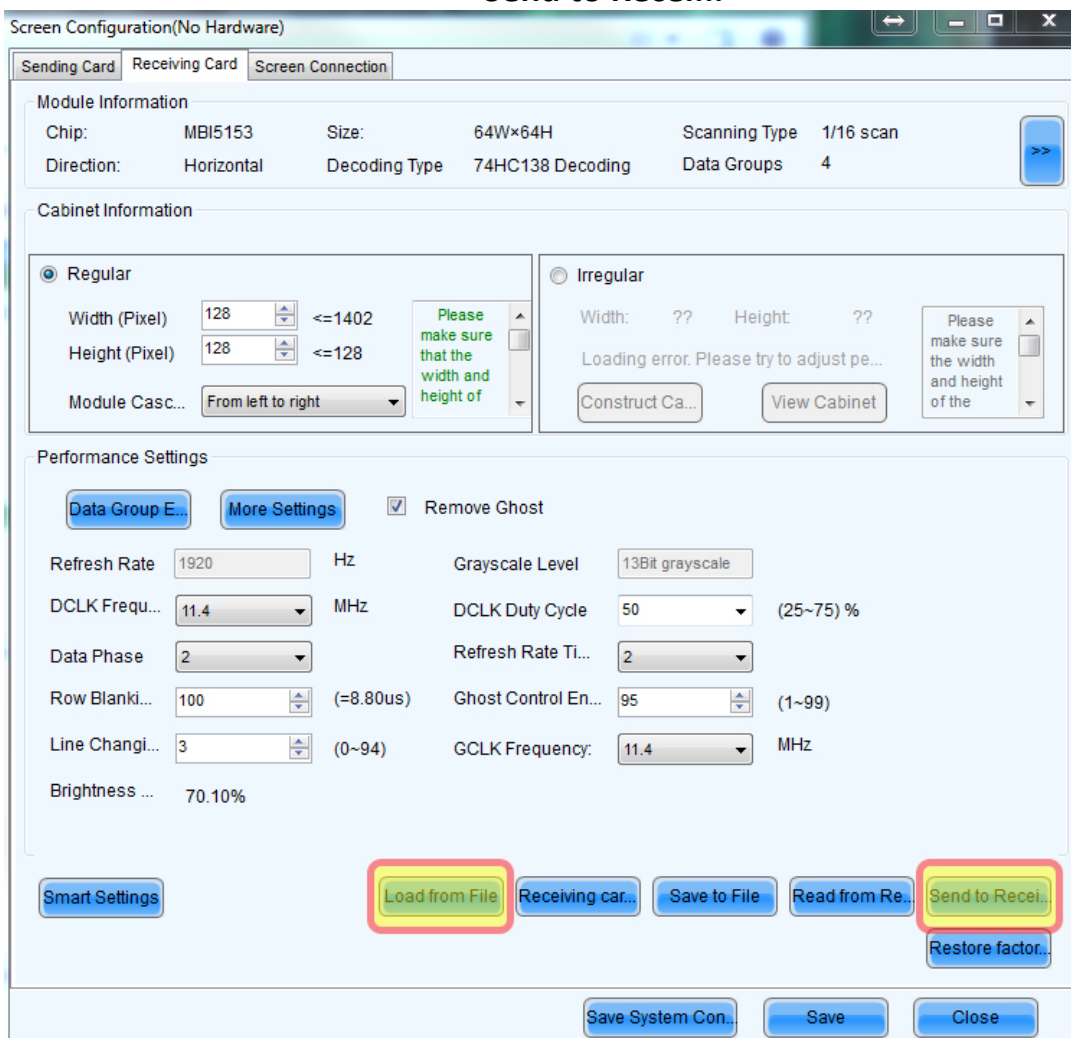
Select 'Configure Screen', click 'Next'

Receiving Card tab

Load from File

Select appropriate .rcfg file [ex: P3.9MG5 5252.rcfg for YesTech P3.9]

Send to Recei...



**NOTE: 'LOAD FILE' WILL RESET PARAMETERS TO DEFAULT AND WILL NEED TO BE SET AGAIN FOLLOWING. USEFUL TO DO WHEN ENCOUNTERING INIDENTIFIABLE ISSUE -> START '[1] Setup' TO REFRESH.**

## [2] Screen Configuration:

### Screen Configuration

Select 'Config Screen', click 'Next'

Screen Connection tab, Config, Standard Screen

Select 'Read File', choose corresponding .scr file. Ex: '3.9mm\_16x9\_Ground Set'

Send to HW

If using multiple signal outputs/ports from processor:

Select **Port Index** output number

Draw signal path for that single port output

Select next **Port Index** output number

Draw signal path for that single port output

Send to HW

**NOTE: BE SURE 'Scan Board Size' MATCHES EXISTING WALL SETUP.**

*Image below is only for reference; wall sizing, scan board size, etc. could be different to existing wall. Image represents a [2] port output from processor. Green path indicates Port 1 flow, Yellow path indicates Port 2 flow.*

*Each panel info line also indicates 'Port:1', 'Port:2' etc.*

The screenshot shows the 'Screen Config' software interface. At the top, there are tabs for 'Sending Board', 'Scan Board', and 'Screen Connection'. A red arrow points to a 'Config' button in the top right corner with the text 'Click 'Config' if no screen detected'. Below the tabs, there are radio buttons for 'Simple Screen', 'Standard Screen' (selected), and 'Complex Screen'. A text box indicates 'Corresponds to physical wall size (Ex: 16' x 9' wall = 10 columns, 6 rows)'. Below this, there are fields for 'Virtual Mo...' and 'Enable'. A table shows 'Scan Board Columns' (1-10) and 'Scan Board Rows' (1-6). A 'Port Index' section shows a grid of 10 ports, with '1' and '2' highlighted in yellow. Below this, there are fields for 'Scan Board Size' (Width: 128, Height: 128) and 'Apply to port'. A note at the bottom says 'Note: Click or drag the left mouse button to configure the screen. Right click to cancel.' At the bottom right, there are buttons for 'Read File', 'Save File', 'Read from HW', 'Send to HW', 'Save Config File', 'Save', and 'Close'. Annotations on the left side of the image point to the 'Port Index' and 'Scan Board Size' sections, stating 'Corresponds to physical data port out of LED Processors' and 'Corresponds to panel size: P2.84 = 176x176, P3.9 = 128x128, P5.9 = 84x84. Then click 'Apply to Port' for each port'. The main grid shows a 6x10 grid of panels, each with a 'Sending#', 'Port', 'Scan B...', 'Width', 'Height', and 'Port' field. Green and yellow paths are drawn across the grid, indicating signal flow for Port 1 and Port 2 respectively.

Corresponds to physical data port out of LED Processors

Corresponds to panel size:  
P2.84 = 176x176  
P3.9 = 128x128  
P5.9 = 84x84  
Then click 'Apply to Port' for each port

Select 'Read File' and corresponding .scr file for wall type. Ex: '3.9mm\_16x9\_Ground Set.scr'  
Once all parameters have been set. Always click 'Send to HW'

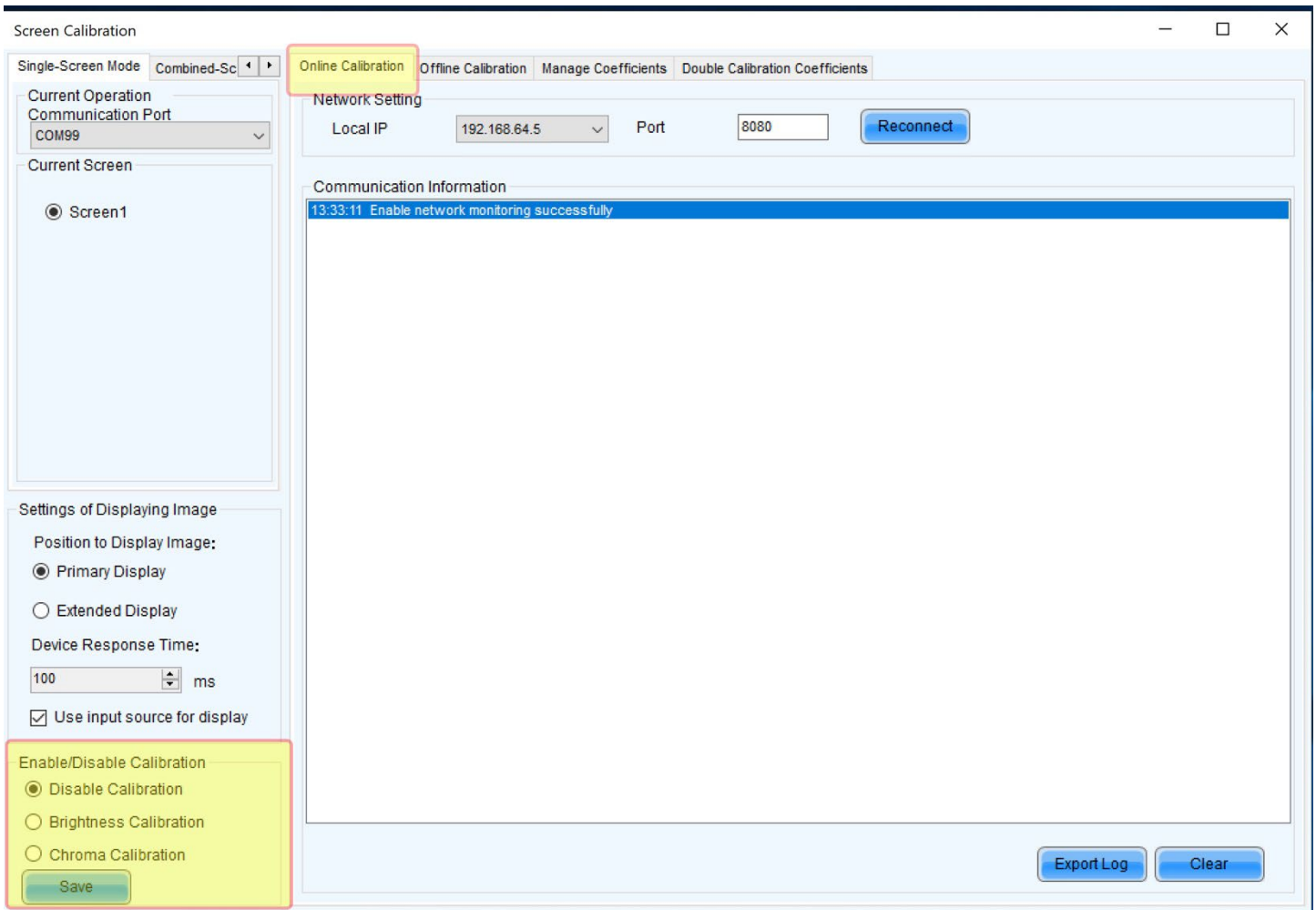
### [3] Calibration [if colour or brightness are not uniform across panels]

#### Home Screen

#### Calibration

Select **Disable Calibration** from bottom left selection

**Save**



# [4] Colour Adjustments and Restore [should not need to adjust]

## Settings(C)

### Advanced Color Configuration(O)

Select **Default Value** for standard

**Save to HW**

The screenshot shows the 'Advanced Color Configuration' window. At the top, there is a 'Screen' dropdown menu set to 'COM99-Screen1', and buttons for 'Import', 'Export', and 'Refresh'. Below this is a 'Factory Setting' tab with sub-tabs for 'Configure Color Space', 'Color Temperature Table', and 'Color Adjustment'. The main area is divided into two sections: 'Current Gain' and 'RGB Brightness'. Each section has three sliders for Red (R), Green (G), and Blue (B) channels. In the 'Current Gain' section, all sliders are set to 101.54%. In the 'RGB Brightness' section, all sliders are set to 255 (100.0%). There are checkboxes for 'Synchronize' in both sections. A 'Default Value' button is located at the bottom right of the 'Current Gain' section, and a 'Save to HW' button is at the bottom right of the 'RGB Brightness' section. A status bar at the bottom of the window displays the message: '6/18/2019 13:38:11--The screen information has been read successfully'.