

REISS Optoelectronics – Operating Instructions
Detailed Edition (NOVA)

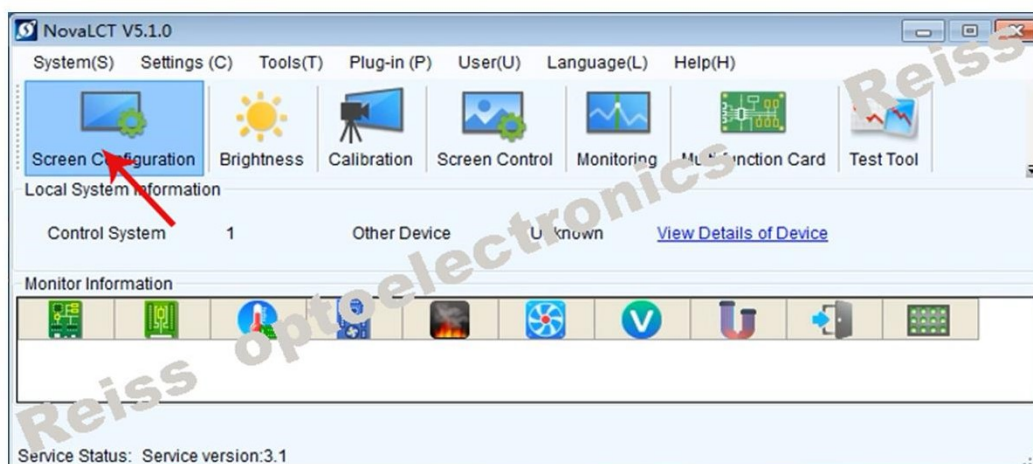
Please open the URL: <http://www.reissdisplay.com/service/Download/>

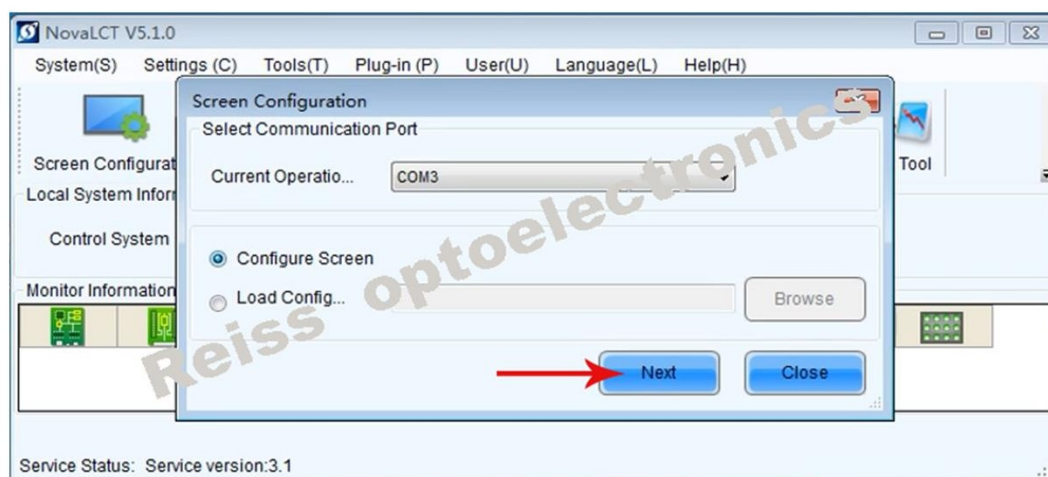
Download two software: Novastar LCT v 5.2 And Media player software

Install the two software on your computer. And check. Send card box or LED video processor. Is it properly connected to the computer?



Open debug software





Hint: If the COM interface is not displayed. Please check if the sending card interface is connected to the computer's USB interface. Or check if the computer USB settings have an open option.



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Screen Configuration-COM3

Sending Card Receiving Card Screen Connection

Module Information

Chip: Common C... Size: 32W×16H Scanning Type 1/8 scan
Direction: Horizontal Data Groups 2 [Adjust RG...](#)

Cabinet Information

☒ Regular ☐ Irregular [Set Rotation](#)

Width (Pixel) 52 ≤133
Height (Pixel) 16 ≤128
Module Casc... From Right to L

Performance Settings

[Data Group E...](#) [More Settings](#) ☐ 18bit+

Refresh Rate 240 Hz Refresh Rate Ti... 4
Grayscale Level Normal 4096 Grayscale Mode Refreshing Rate Fir
Shift Clock Fre... 12.5 MHz Duty Cycle 50 (25~75) %
Phase Position 6 Low Grayscale C... 0
Row Blanking ... 15 (=1.20us) Ghost Control En... 13 (1~14)
Line Changing ... 3 (0~12)
Minimum OE w... 328 ns
Brightness Effi... 69.11%

[Smart Settings](#) [Load from File](#) [Receiving Car...](#) [Save to File](#) [Read from Re...](#) [Send to Recei...](#)
[Restore Facto...](#)

[Save System Co...](#) [Back Up Termi...](#) [Save](#) [Close](#)

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Please Set the Receiving Card Address

Receiving Card Position

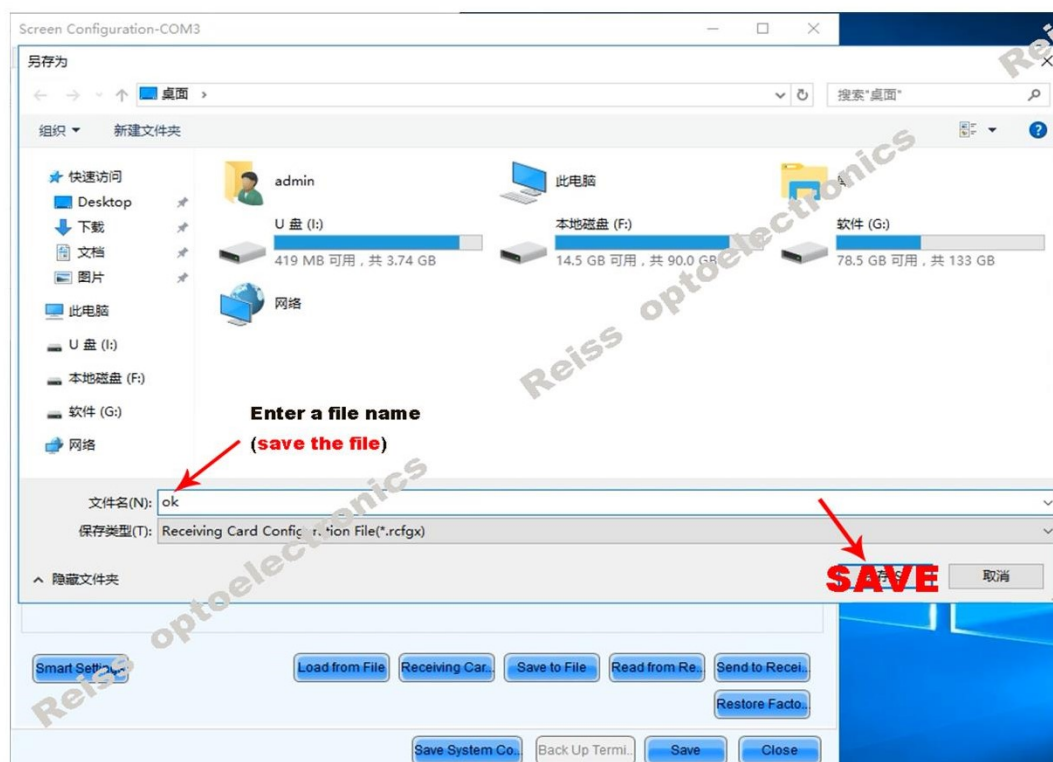
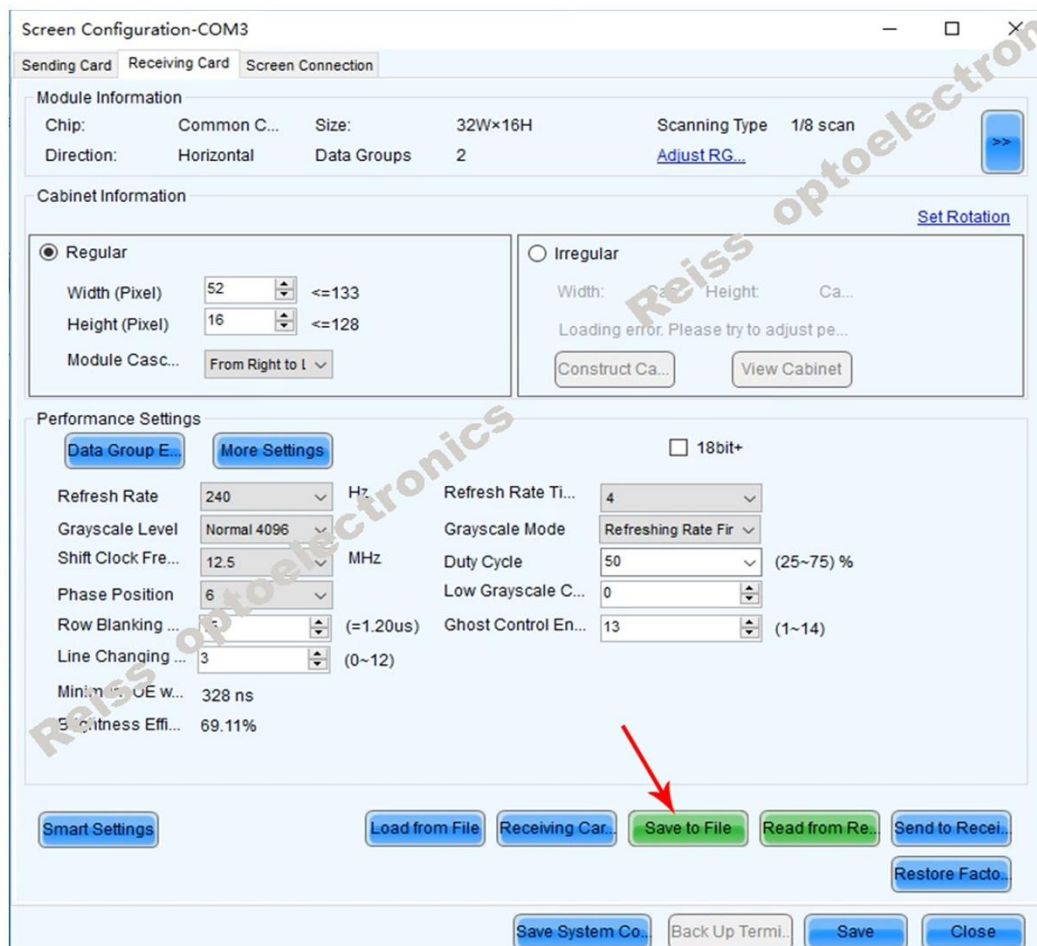
Sending Port Nu... Receiving...
1 1

[OK](#) [Cancel](#)

[Smart Settings](#) [Load from File](#) [Receiving Car...](#) [Save to File](#) [Read from Re...](#) [Send to Recei...](#)
[Restore Facto...](#)

[Save System Co...](#) [Back Up Termi...](#) [Save](#) [Close](#)

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Please save this file. **Keep it forever.**

Screen Configuration-COM3

Sending Card | Receiving Card | Screen Connection

Module Information

Chip: ICN2053 Size: 64W×64H Scanning Type 1/16 scan
Direction: Horizontal Data Groups 2 [Adjust RG...](#)

Cabinet Information

☒ Regular ☐ Irregular [Set Rotation](#)

Width (Pixel) 128 ≤728 Height (Pixel) 256 ≤384
Module Casc... From Right to Left

Performance Settings

[Data Group E...](#) [More Settings](#) ☒ Elimin... ☐ 18bit+

Refresh Rate 4260 Hz Grayscale Level 15Bit grayscale
DCLK Frequ... 11.4 MHz DCLK Duty Cycle 50 (25~75) %
Data Phase 2 Refresh Rate... 8
Row Blanki... 25 (=2.20us) Ghost Control En... 24 (1~24)
Line Changi... 3 (0~23) GCLK Frequency: 11.4 MHz
GCLK Phase: 5 (0~9) GCLK Duty Cycle: 50 (25~75) %

Brightness ... 77.51%

[Smart Settings](#) [Load from File](#) [Receiving Car...](#) [Save to File](#) [Read from Re...](#) [Send to Recei...](#) [Restore Facto...](#)

[Save System Co...](#) [Back Up Termi...](#) [Save](#) [Close](#)

Screen Configuration-COM3

Sending Card | Receiving Card | Screen Connection

Module Information

Chip: ICN2053 Size: 64W×64H Scanning Type 1/16 scan
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Data Phase 2 Refresh Rate... 8
Row Blanki... 25 (=2.20us) Ghost Control En... 24 (1~24)
Line Changi... 3 (0~23) GCLK Frequency: 11.4 MHz
GCLK Phase: 5 (0~9) GCLK Duty Cycle: 50 (25~75) %

Brightness ... 77.58%

[Smart Settings](#) [Load from File](#) [Receiving Car...](#) [Save to File](#) [Read from Re...](#) [Send to Recei...](#) [Restore Facto...](#)

[Save System Co...](#) [Back Up Termi...](#) [Save](#) [Close](#)

Send Parameters to Receiving Card

☒ All Recei... ☐ Reset the Starting Coordi...
☐ Specify Receiving Card

[Send](#) [Cancel](#)

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Screen Configuration-COM3

Sending Card Receiving Card Screen Connection

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Performance Settings

[Data Group E...](#) [More Settings](#)

Refresh Rate 4260 Hz DCLK Frequ... 11.4 MHz Data Phase 2
Row Blanki... 25 (=2.20us) Line Changi... 3 (0~23) GCLK Phase: 5 (0~9)

Ghost Control En... 24 (1~24) GCLK Frequency: 11.4 MHz GCLK Duty Cycle: 50 (25~75) %

Brightness ... 77.58%

[Smart Settings](#) [Load from File](#) [Receiving Car...](#) [Save to File](#) [Read from Re...](#) [Send to Recei...](#) [Restore Facto...](#)

[Save System Co...](#) [Back Up Termi...](#) [Save](#) [Close](#)

Sent parameters successfully!

OK

Screen Configuration-COM3

Sending Card Receiving Card Screen Connection

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Chip: ICN2053 Size: 64W×64H Scanning Type 1/16 scan
Direction: Horizontal Data Groups 2 [Adjust RG...](#)

Cabinet Information

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Performance Settings

[Data Group E...](#) [More Settings](#) ☒ Eliminate ☐ 18bit+

Refresh Rate 4260 Hz DCLK Frequ... 11.4 MHz Data Phase 2
Row Blanki... 25 (=2.20us) Line Changi... 3 (0~23) GCLK Phase: 5 (0~9)

Gray Scale Level 15bit grayscale DCLK Duty Cycle 50 (25~75) %
Refresh Rate Ti... 8 Ghost Control En... 24 (1~24) GCLK Frequency: 11.4 MHz GCLK Duty Cycle: 50 (25~75) %

Brightness ... 77.58%

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[Save System Co...](#) [Back Up Termi...](#) [Save](#) [Close](#)

Select led display connection settings

Screen Configuration-COM3

Sending Card Receiving Card **Screen Connection**

Quantity o... 1

Screen1

Screen Type: ☒ Standard Screen ☐ Complex Screen

Sending Card Number: 1

Ethernet Port No.: 1 2

Receiving Card Size: Width: 104 Height: 208

Quick Connection

Basic Information: Coordinate: X: 0 Y: 0 Virtual Mo... E... Enabl... Screen Ar... 1920 x 1080

Columns: 5 Rows: 3

1	Sending Card: Port: Receiving Card: Width:0	2	Sending Card: Port: Receiving Card: Width:0	3	Sending Card: Port: Receiving Card: Width:0	4	Sending Card: Port: Receiving Card: Width:0	5	Sending Card: Port: Receiving Card: Width:0
2	Sending Card: Port: Receiving Card: Width:0	3	Sending Card: Port: Receiving Card: Width:0	4	Sending Card: Port: Receiving Card: Width:0	5	Sending Card: Port: Receiving Card: Width:0		
3	Sending Card: Port: Receiving Card: Width:0	4	Sending Card: Port: Receiving Card: Width:0	5	Sending Card: Port: Receiving Card: Width:0				
4	Sending Card: Port: Receiving Card: Width:0	5	Sending Card: Port: Receiving Card: Width:0						
5	Sending Card: Port: Receiving Card: Width:0								

Zoom: 1 Note: Click or drag the left mouse button t...

Detect Card... Read the Number... Enable Mapping Load from File Save to File Read from HW Send to HW

Restore Factor... Save System Co... Back Up Termi... Save Close

Screen Configuration-COM3

Sending Card Receiving Card **Screen Connection**

Quantity o... 1

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Screen Type: ☒ Standard Screen ☐ Complex Screen

Sending Card Number: 1

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4	Sending Card: Port: Receiving Card: Width:0	5	Sending Card: Port: Receiving Card: Width:0						
5	Sending Card: Port: Receiving Card: Width:0								

Zoom: 1 Note: Click or drag the left mouse button t...

Detect Card... Read the Number... Enable Mapping Load from File Save to File Read from HW Send to HW

Restore Factor... Save System Co... Back Up Termi... Save Close

According to the sending card network interface - select 1 or 2.

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Screen Configuration-COM3

Sending Card Receiving Card Screen Connection

Quantity o... 1

Screen1

Screen Type: ☒ Standard Screen ☐ Complex Screen

Sending Card Number: 1

Ethernet Port No.: 1 2

Receiving Card Size: Width: 104 Height: 208

Quick Connection: [Icons]

Basic Information: Coordinate: X: 0 Y: 0 Virtual Mo... E... Screen Ar... 1920 x 1080

Columns: 5 Rows: 3

1	2	3	4	5
Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0
3	4	5		
Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0
4	5			
Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0
5				
Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0

Zoom: 1 Note: Click or drag the left mouse button t...

Buttons: Detect Card, Read the Number, Enable Mapping, Load from File, Save to File, Read from HW, Send to HW, Restore Factor, Save System Co., Back Up Termi., Save, Close

Contact the sales person.
Need to provide data for width and height

Screen Configuration-COM3

Sending Card Receiving Card Screen Connection

Quantity o... 1

Screen1

Screen Type: ☒ Standard Screen ☐ Complex Screen

Sending Card Number: 1

Ethernet Port No.: 1 2

Receiving Card Size: Width: 104 Height: 208

Quick Connection: [Icons]

Basic Information: Coordinate: X: 0 Y: 0 Virtual Mo... E... Screen Ar... 1920 x 1080

Columns: 5 Rows: 3

1	2	3	4	5
Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0
3	4	5		
Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0
4	5			
Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0
5				
Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0	Sending Card: Port: Receiving Card: Width:0

Zoom: 1 Note: Click or drag the left mouse button t...

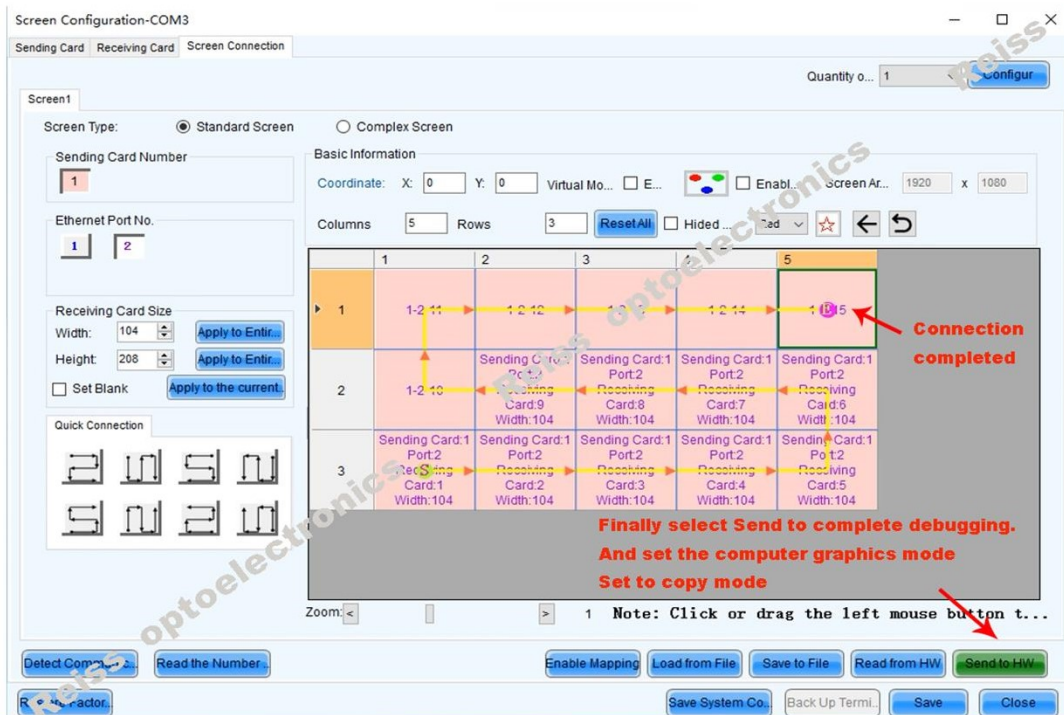
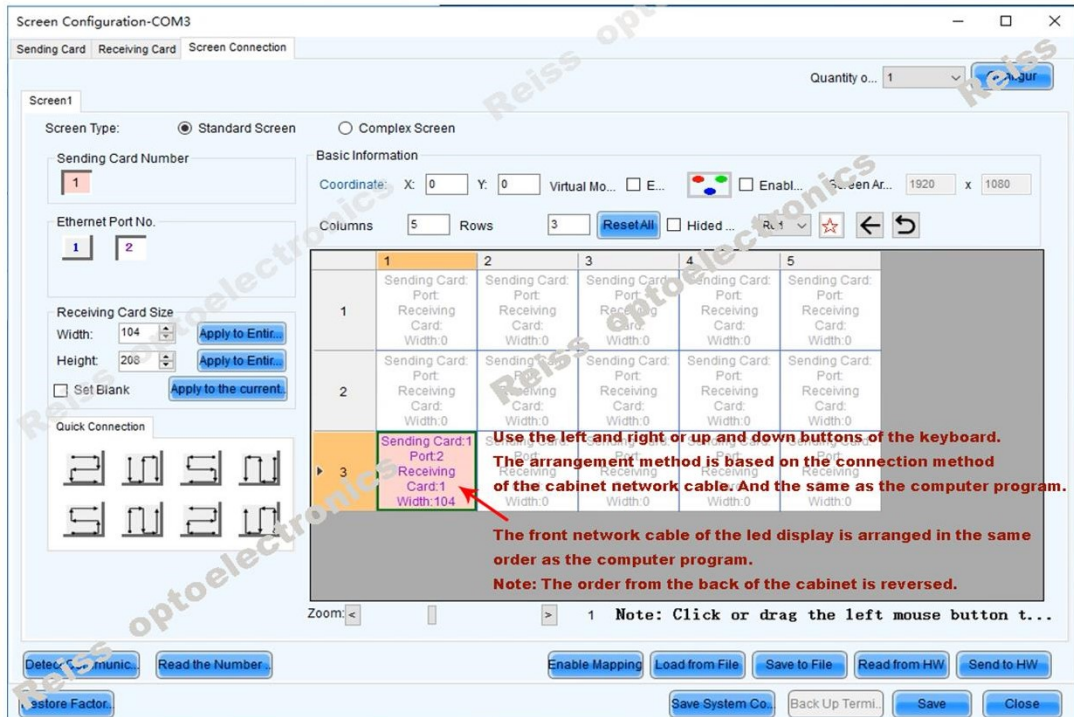
Buttons: Detect Card, Read the Number, Enable Mapping, Load from File, Save to File, Read from HW, Send to HW, Restore Factor, Save System Co., Back Up Termi., Save, Close

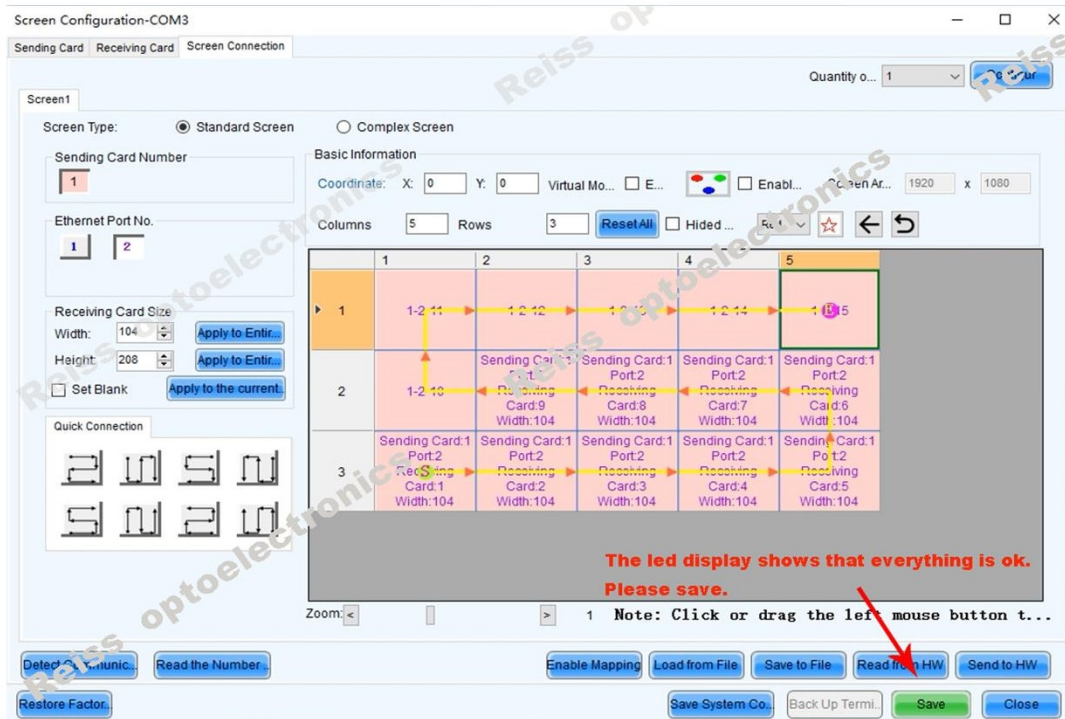
Select the number of rows
Select the number of led display cabinet columns

Method 1: Suitable for pixels within 650,000 points.

The entire screen setup requires only one network cable.

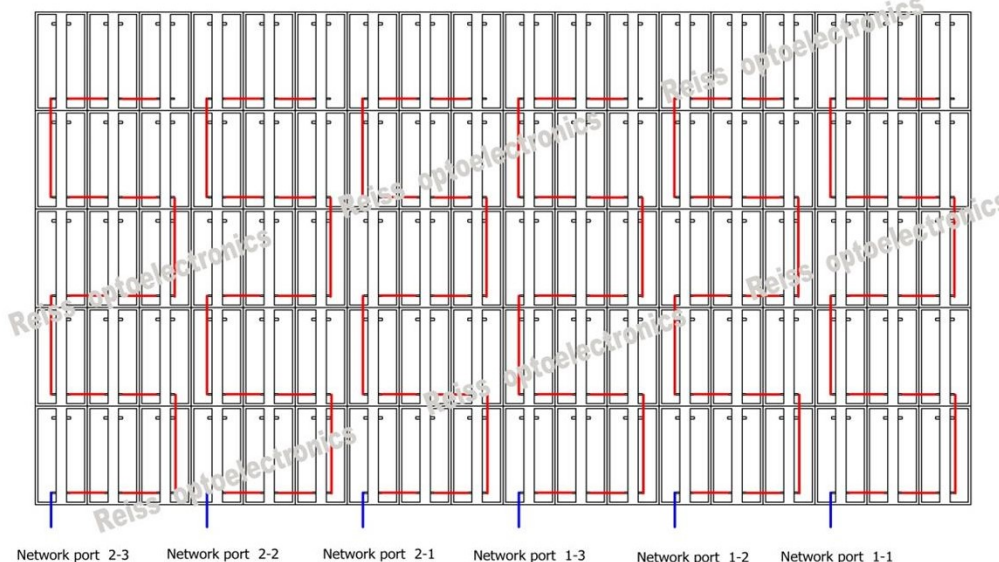
Choose a connection network interface arbitrarily.





Large-scale high-definition led display multi-pixel setting method.

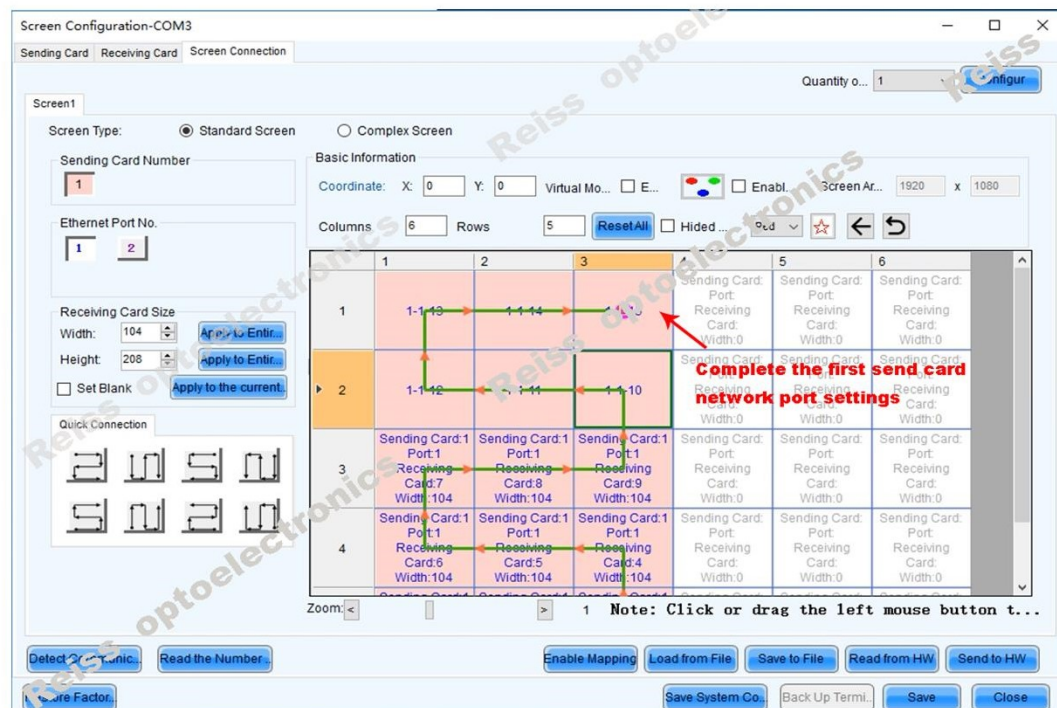
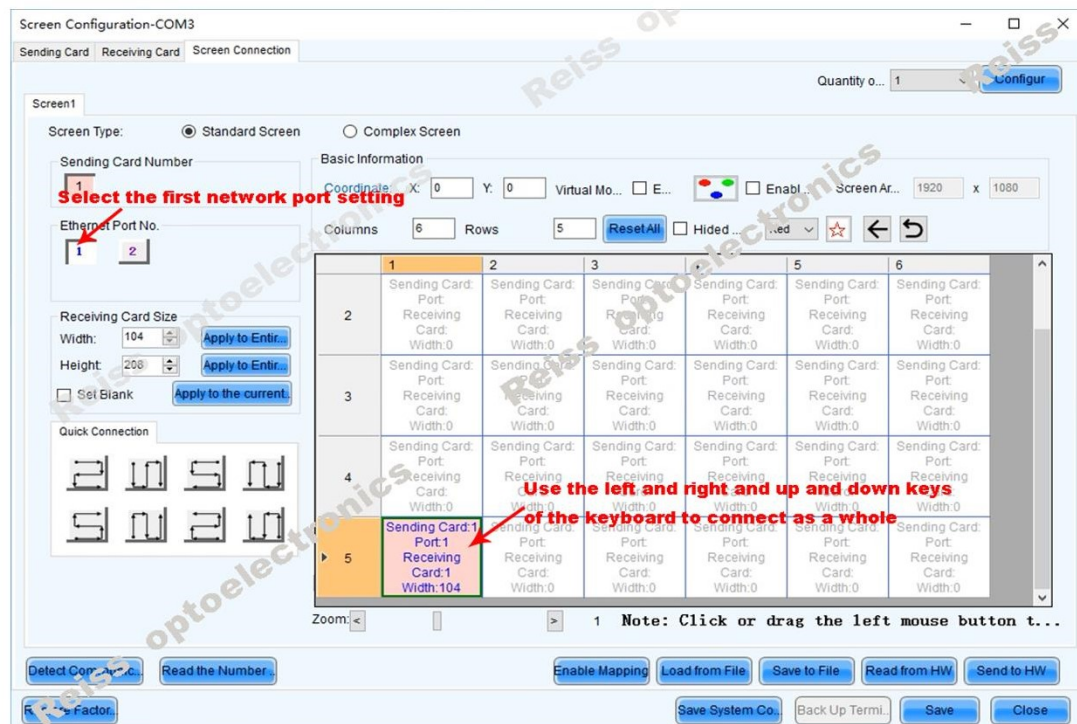
Cabinet network cable connection diagram

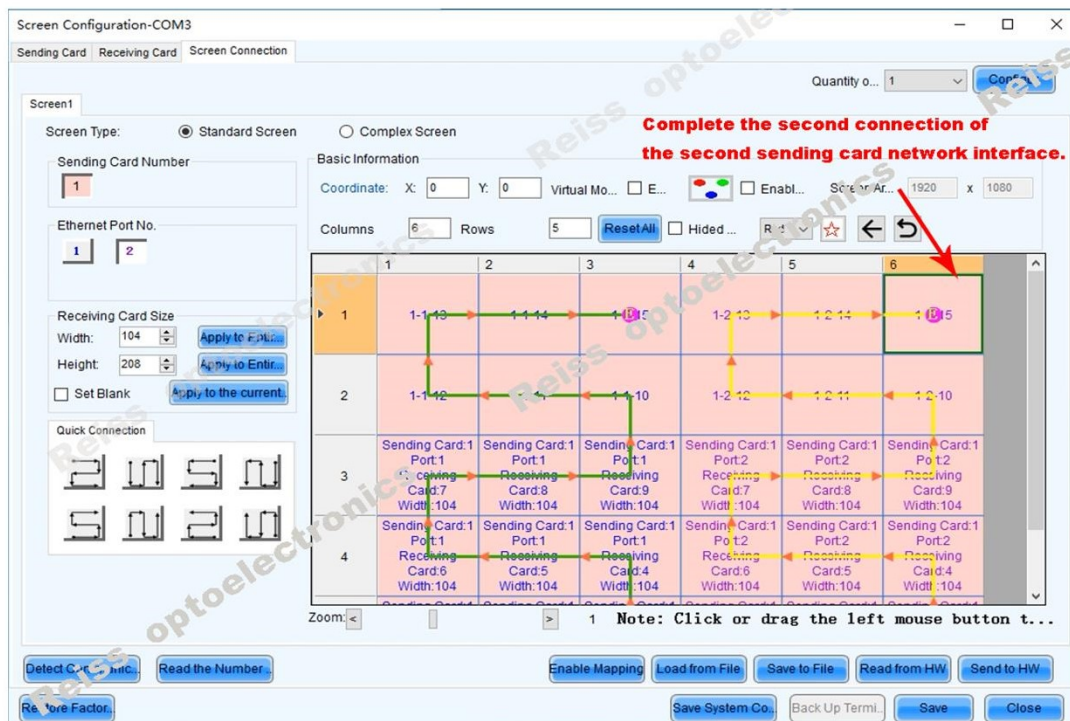
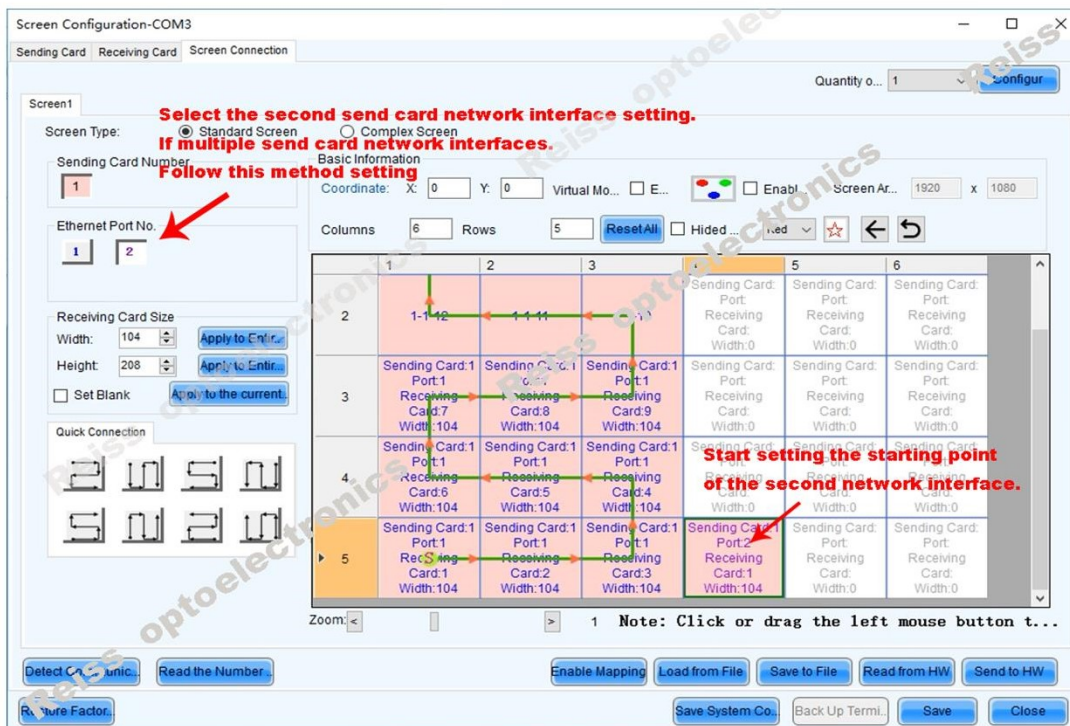


Connect to the processor network port

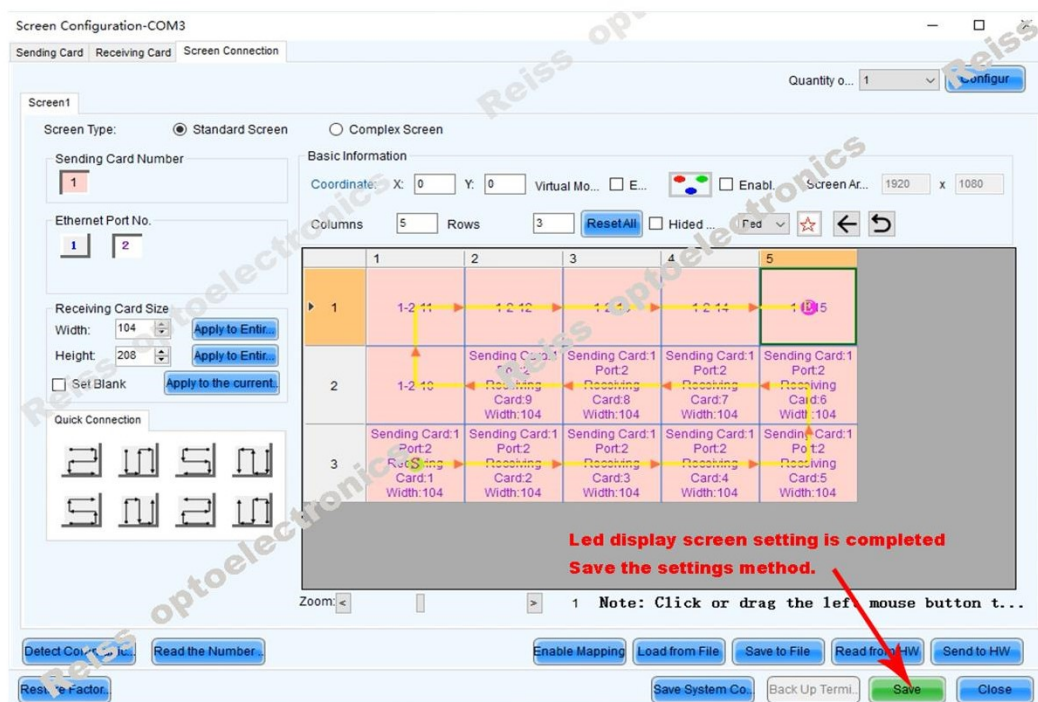
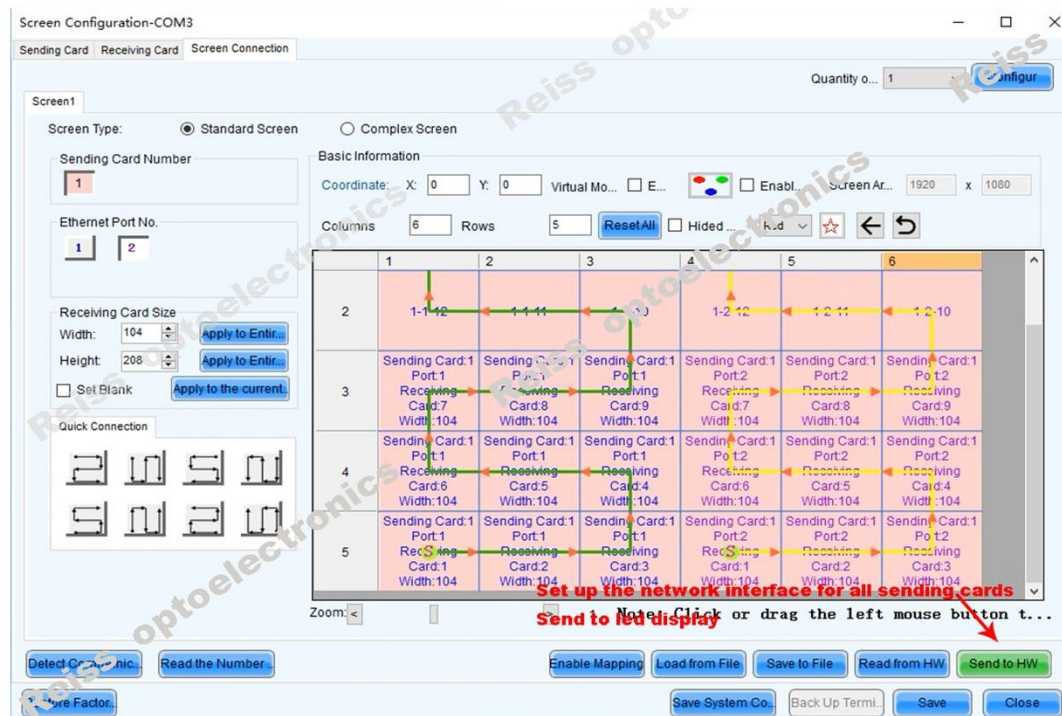
Complex connection method. The engineer will provide a network cable connection diagram

Sending card multiple network interface connection methods



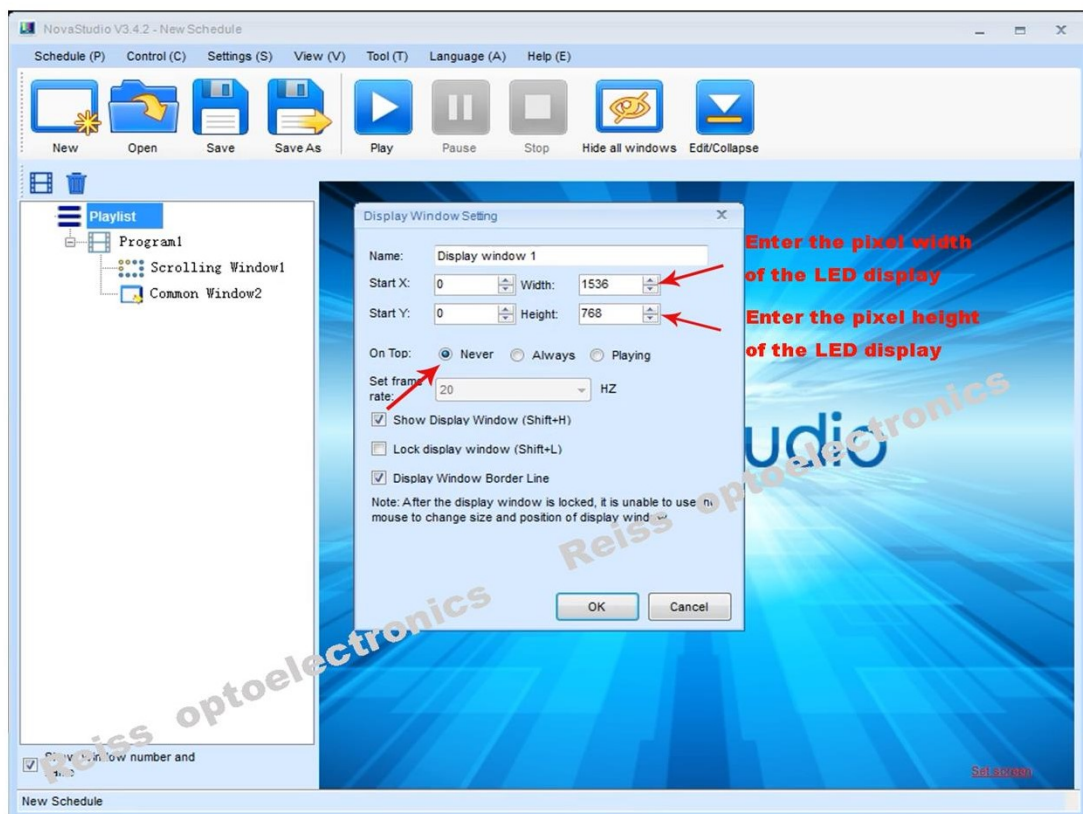
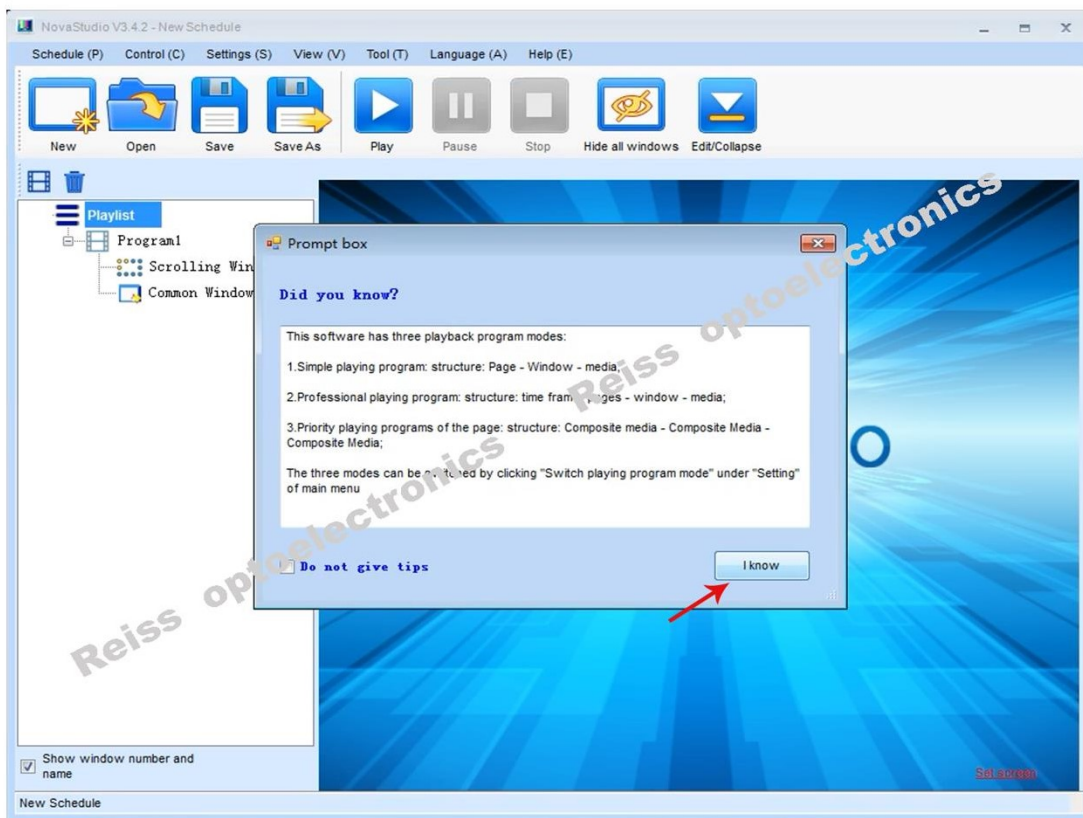


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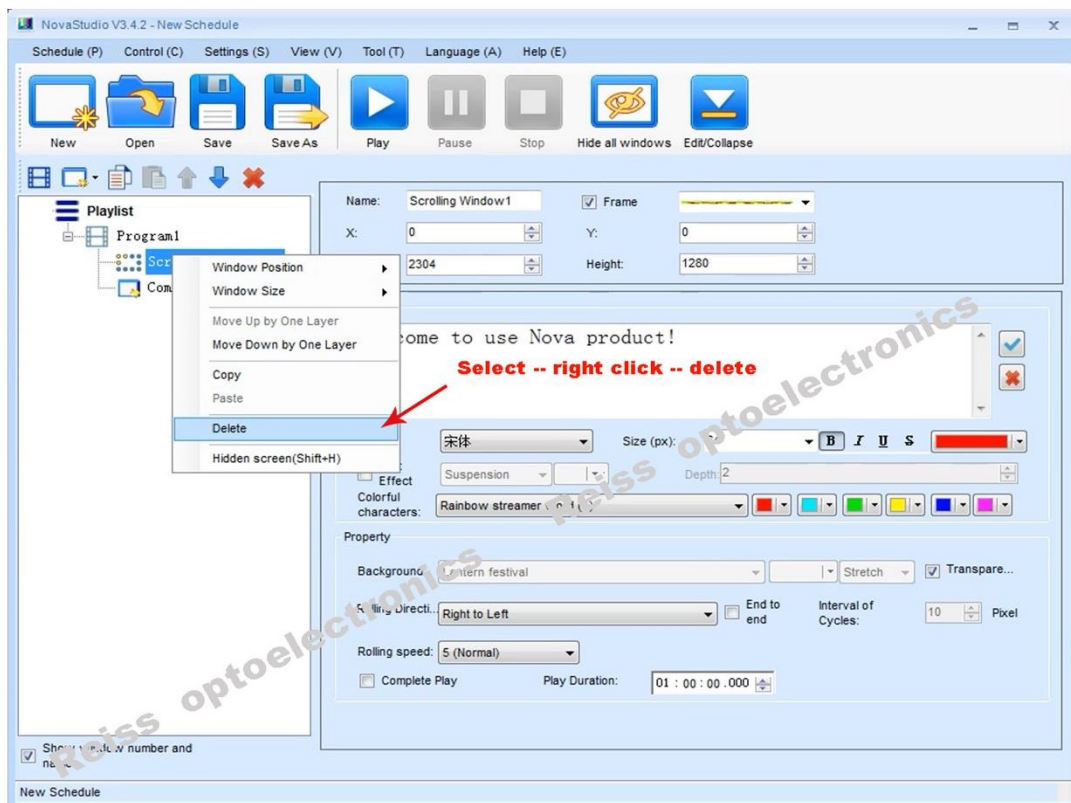
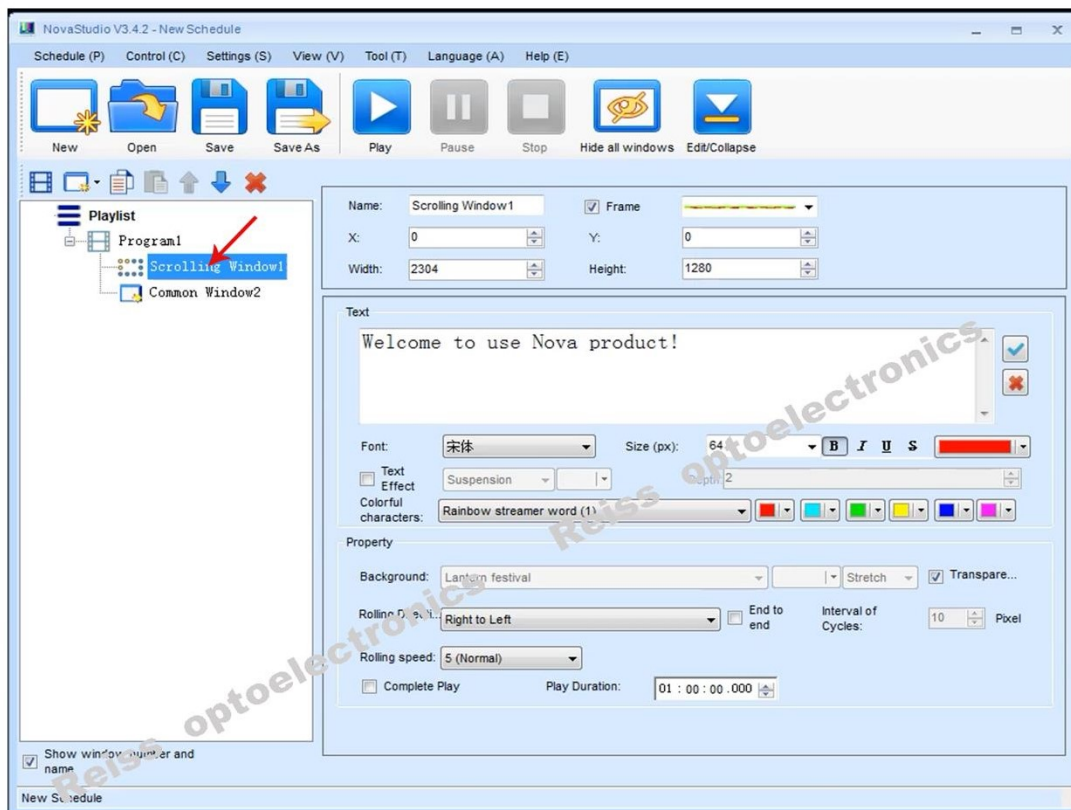




Open media player software



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