BLUESTAR OPTO LIMITED | NOVALCT

How to Read Back and Export the Receiving Card Configuration

Read the real parameters from a screen that is already lit up and displaying normally, save them as a file, and rename the file so it is easy to identify later.

What this procedure is for

When a screen is already displaying the image correctly, the correct configuration is stored inside the receiving card. With Readback, NovaLCT reads those parameters back to the computer. You can then export them as a backup file: if a receiving card is replaced later, or the configuration is lost, that file lets you restore it without adjusting everything from scratch.

> **Key point:** You are not creating a new configuration. You are reading the configuration that is already in use and working on the screen, and saving an exact copy of it. The numbered red circle on each screenshot matches the number of the written step.

Before you start

- Turn the screen on first, and let it show a normal, stable image.
- Connect the computer to the sending card and open NovaLCT.
- Open the **Screen Configuration** window.
- Do not change any parameter value by hand during this process.

1 Open the Receiving Card tab and click Readback

In the **Screen Configuration** window, go to the **Receiving Card** tab and click the **Readback** button, at the position marked with red circle 1 in Figure 1.

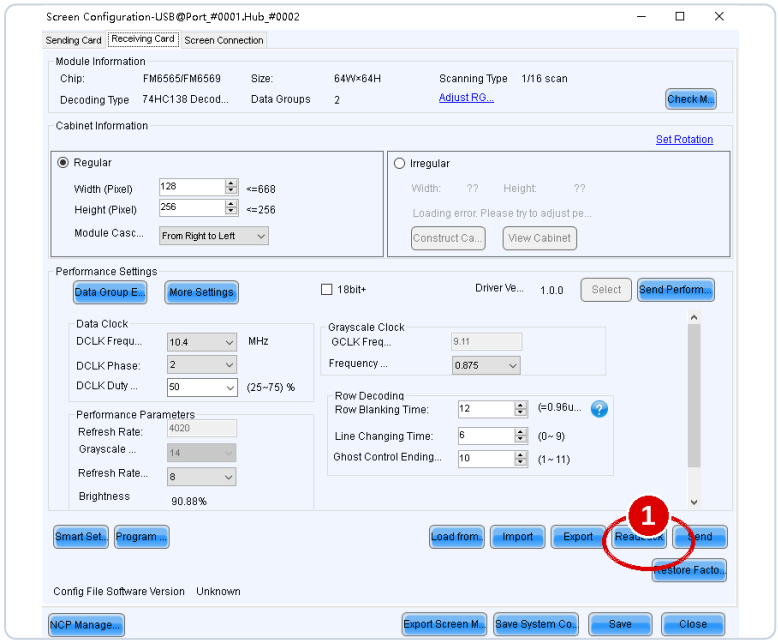

Figure 1. Numbered red circle 1 marks the Readback button, at the bottom right of the window.

2 Select the receiving card address

The **Please Select Receiving Card** window will open. Enter the position of this card: Sending Card, Port Number, and Receiving Card. The example uses **1 - 1 - 1**, which means the 1st receiving card on Port 1 of Sending Card 1. When you have entered it, click **OK**, in the area marked with red circle 2 in Figure 2.

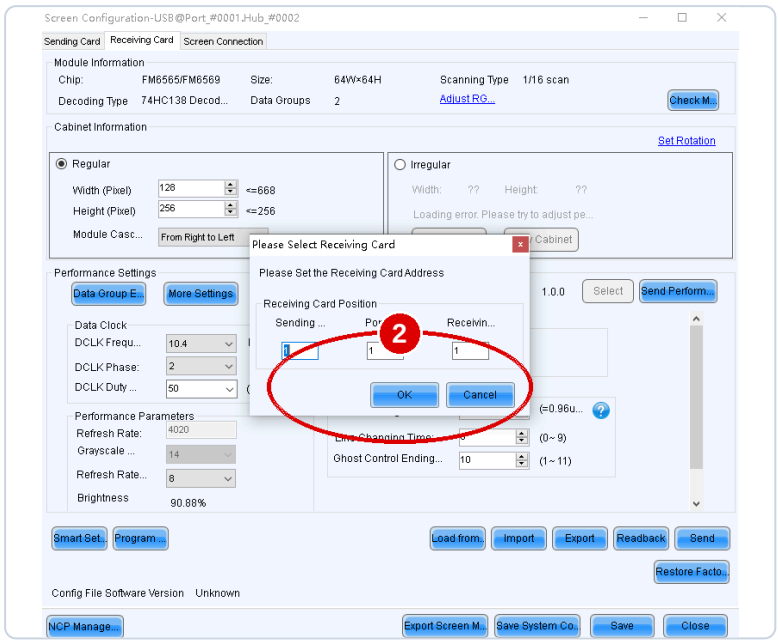

Figure 2. Numbered red circle 2 marks the address fields (1 - 1 - 1) and the OK button. If your screen uses a different port, select the address of the corresponding card.

> **Check before you click OK:** The three numbers must match the receiving card you want to read back. If you select the wrong address, you will read a different card, or you will get an error.

3 Confirm that the readback succeeded

Wait a few seconds. When NovaLCT has finished reading, it will show the message **Read information from receiving card successfully!**, marked with red circle 3. Click **OK** to close the message.

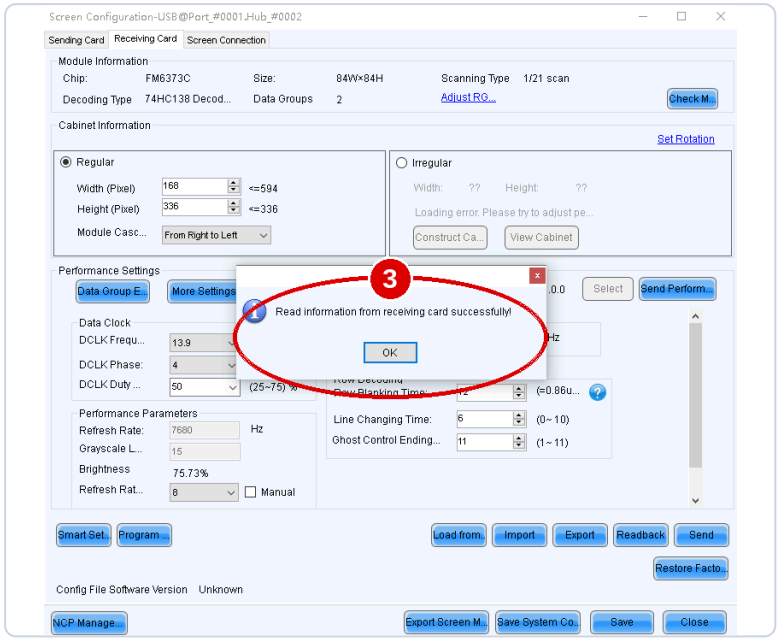

Figure 3. Numbered red circle 3 marks the readback success message and its OK button. The updated parameters are already visible behind the message.

Check the parameters that were read back

After you click OK, the values shown in the window are the real parameters stored in the receiving card. Only check them. Do not change anything:

Area	What to check
Module Information	Module chip, module size (Size), and scanning type (Scanning Type).
Cabinet Information	Cabinet width and height in pixels (Width / Height), and the module cascade order.
Performance Settings	DCLK frequency, refresh rate (Refresh Rate), grayscale level, and brightness (Brightness).

It is normal for these values to be different from the values shown before the readback. In this example, the chip, module size, scanning type, and cabinet resolution all changed, which confirms that the real data from the screen was read back.

4 Export the file and rename it

Once the parameters have been read back, click the **Export** button, at the position marked with red circle 4 in Figure 4. Choose the folder where you want to save the file, enter a clear file name, and confirm to save.

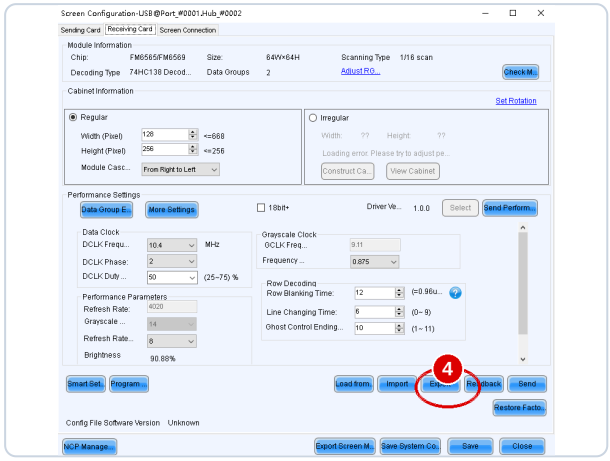

Figure 4. Numbered red circle 4 marks the Export button, at the bottom right of the window, next to Readback.

When you rename the file, make the name clear without having to open it. Include the model, the size, and the date:

- Example: `P3.91_500x1000_Receiving-Card_2026-11-19`
- Example: `Config_Receiving_Port1_Card1`

Keep another backup copy somewhere else (a USB drive or a shared folder). If the file is for technical support, also send the screen model and a photo of the screen displaying normally.

> **Warning:** Do not click **Send**, and do not click **Restore Factory**. This tutorial only reads back and saves the existing configuration. It does not change the configuration, and it does not send the configuration to the screen again.

If the readback fails

- Confirm that the screen is still on and is still displaying a normal image.
- Check the cables between the computer, the sending card, and the screen.
- Check that the address in Step 2 is correct, then go back to Step 1, click **Readback** again, and try once more.
- If it still fails, do not change parameters by hand: save a screenshot of the error and tell us the screen model, and we will help you.

Quick summary

1. Screen on, image normal > Receiving Card > **Readback** (red circle 1).
2. Enter the receiving card address, for example 1 - 1 - 1 > **OK** (red circle 2).
3. Readback success message appears > **OK** (red circle 3), then check the parameters.
4. **Export** (red circle 4), save the file, and rename it with the model and the date.