

User's Guide of M.NT68676.2A Controller Board

V1.1

2014-03-28

ELECREALM

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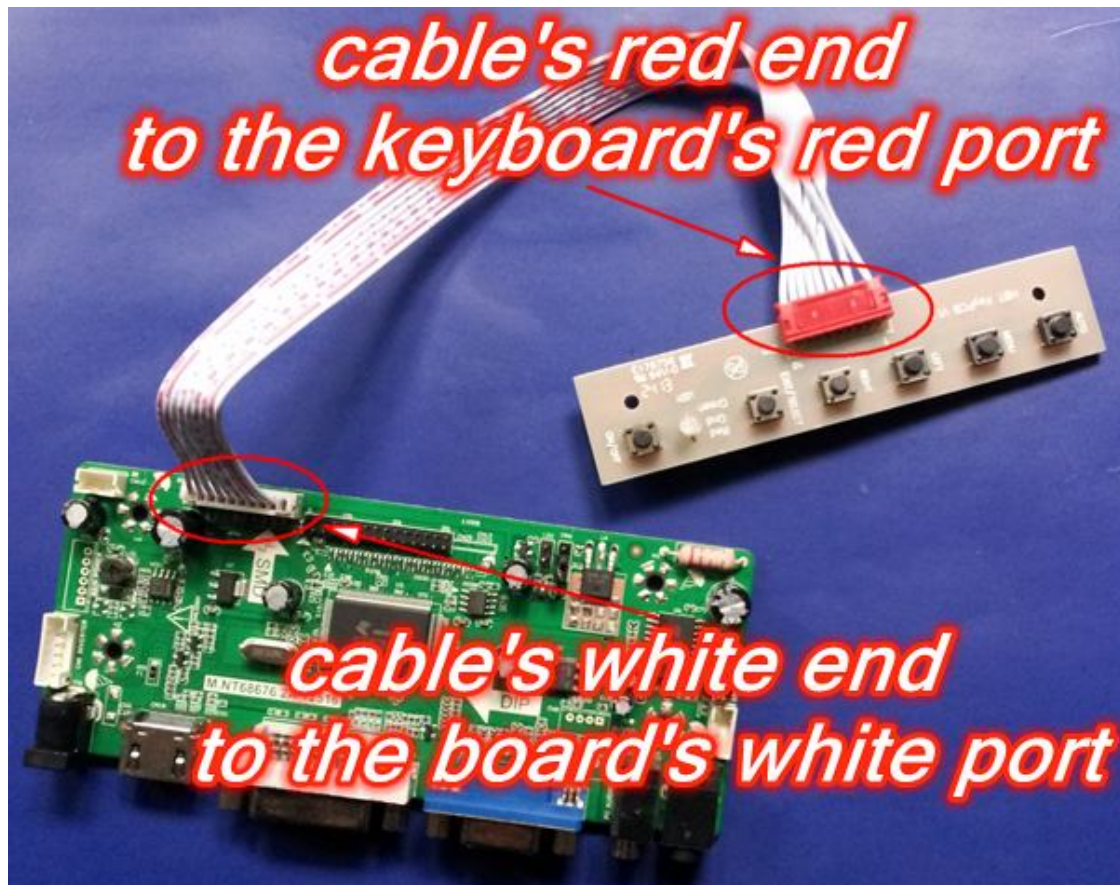


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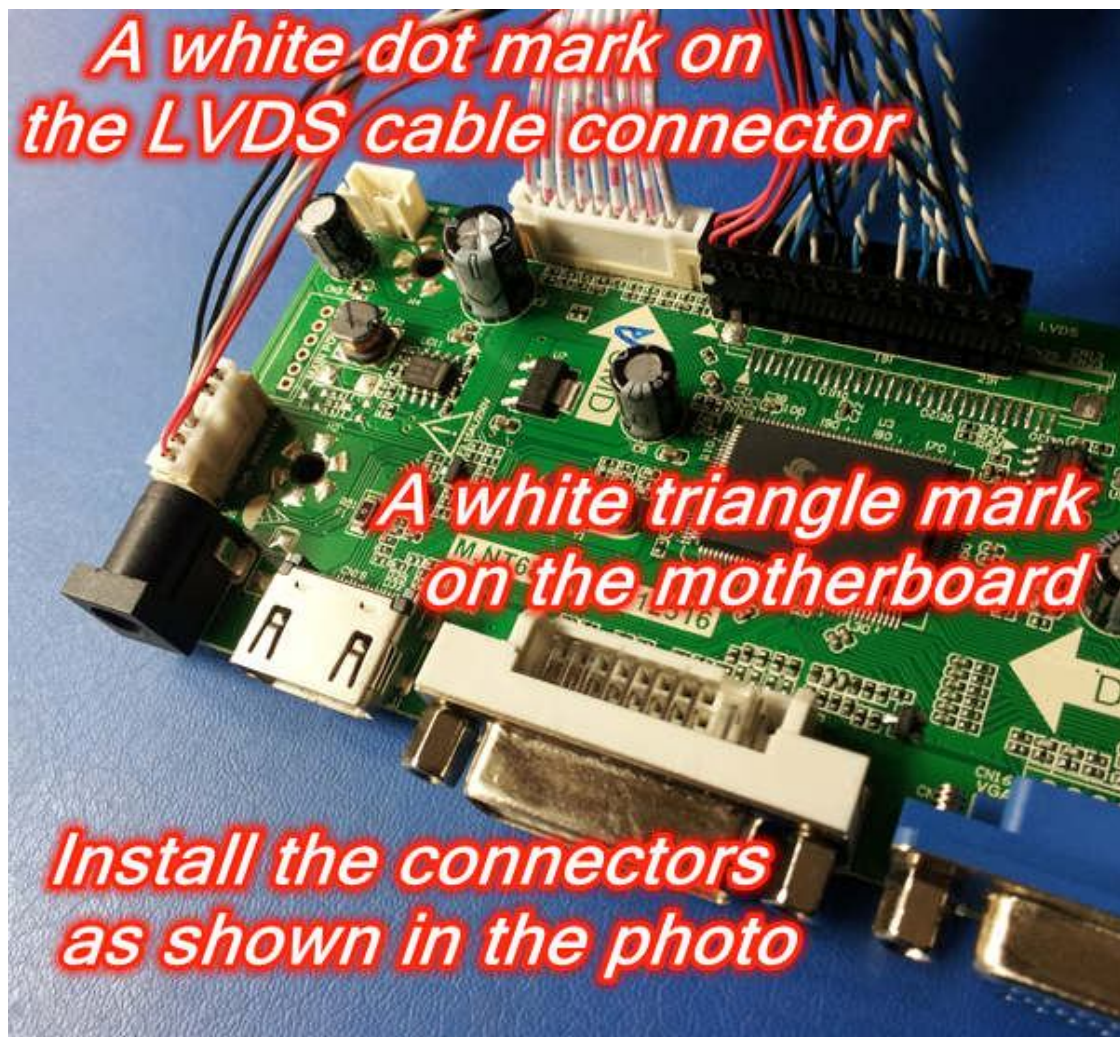


Chapter 1--Cable connection





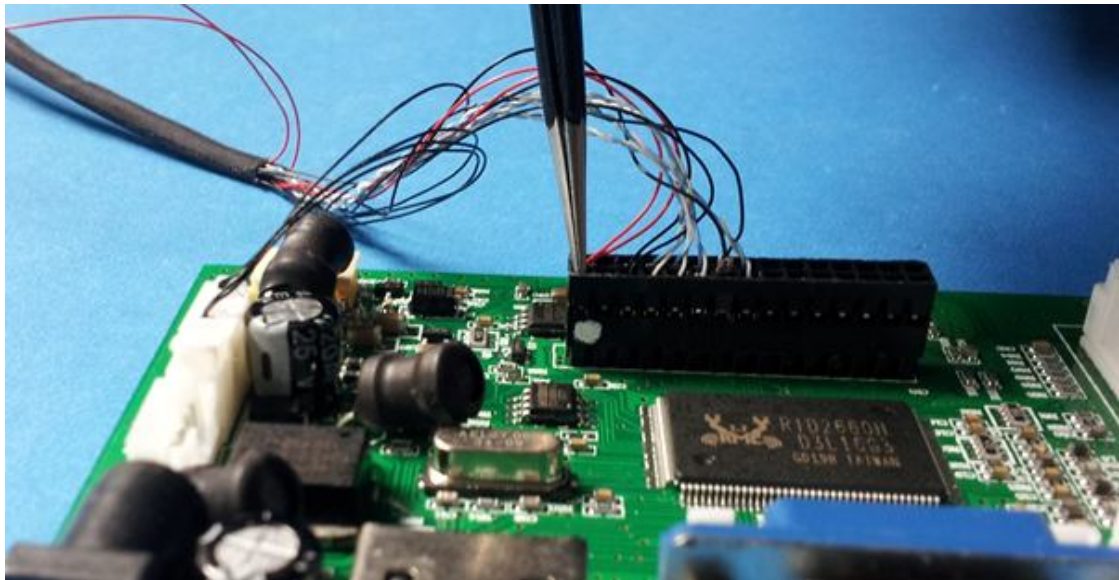
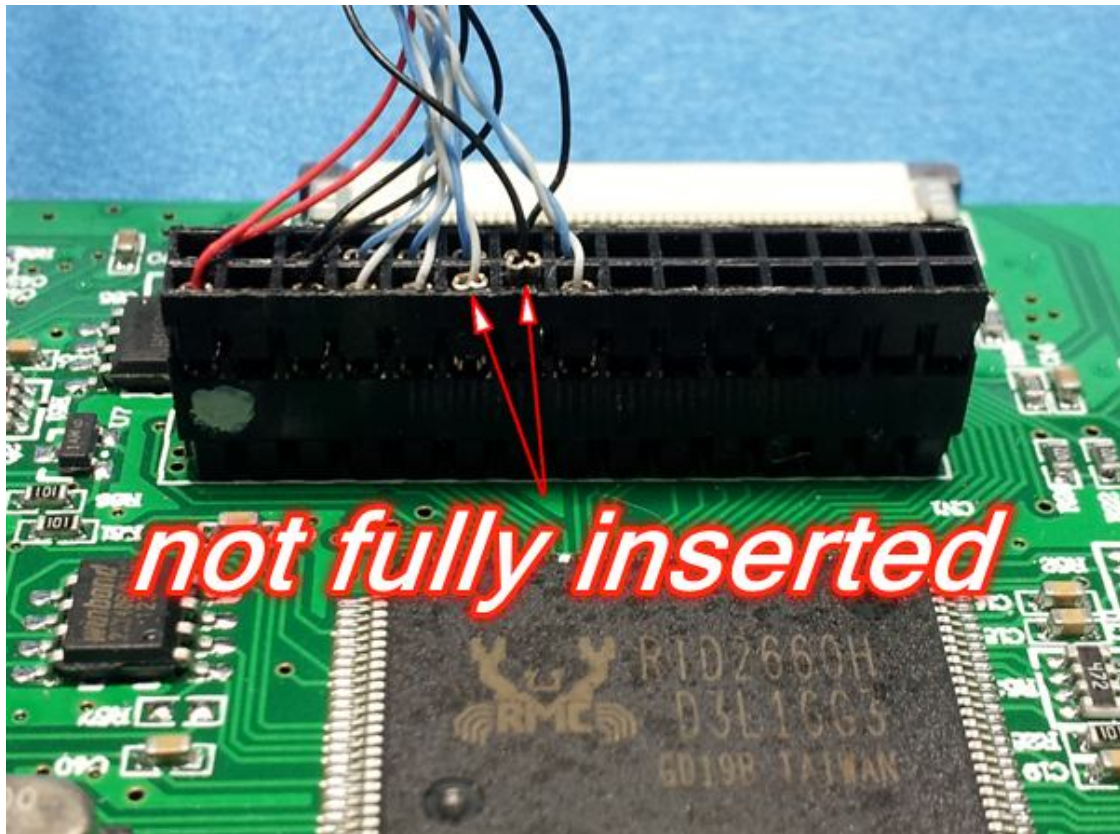
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Please check the inserting condition of each foot. If some foot is not fully inserted (as shown in the figure below), please use tweezers to press the exposure to the top of the foot, let all feet be inserted into well.

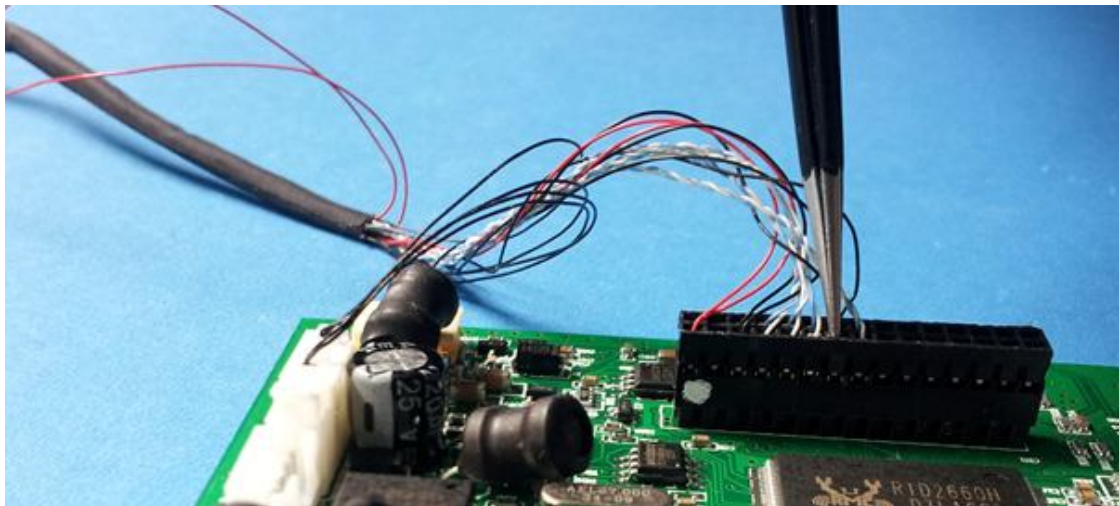
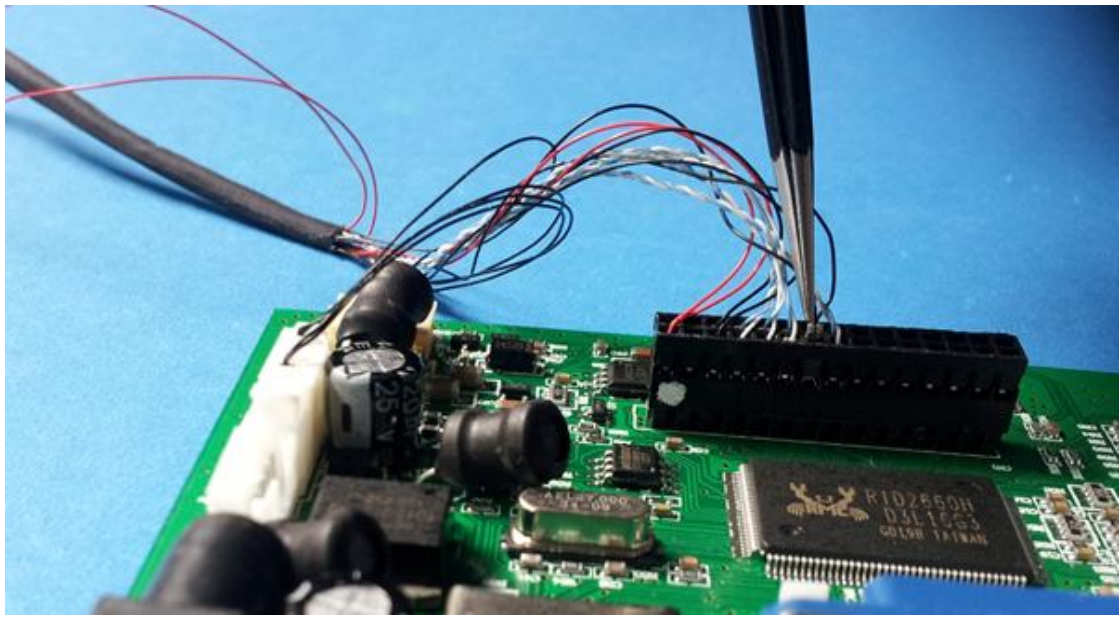


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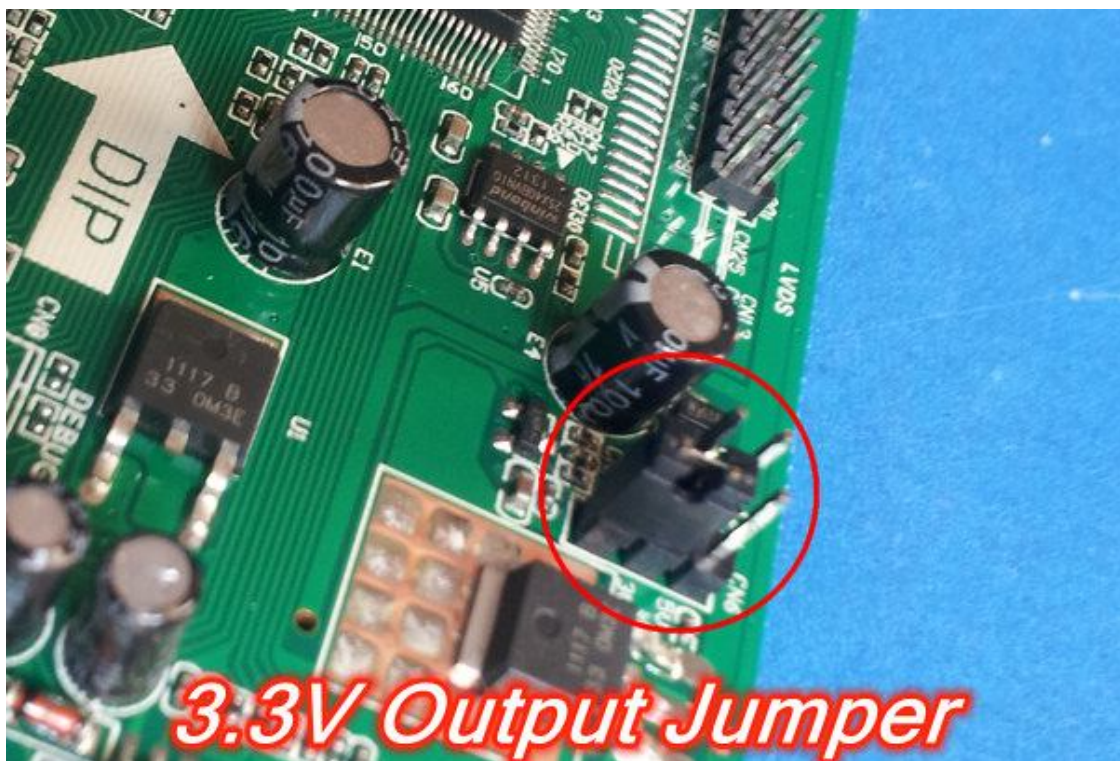
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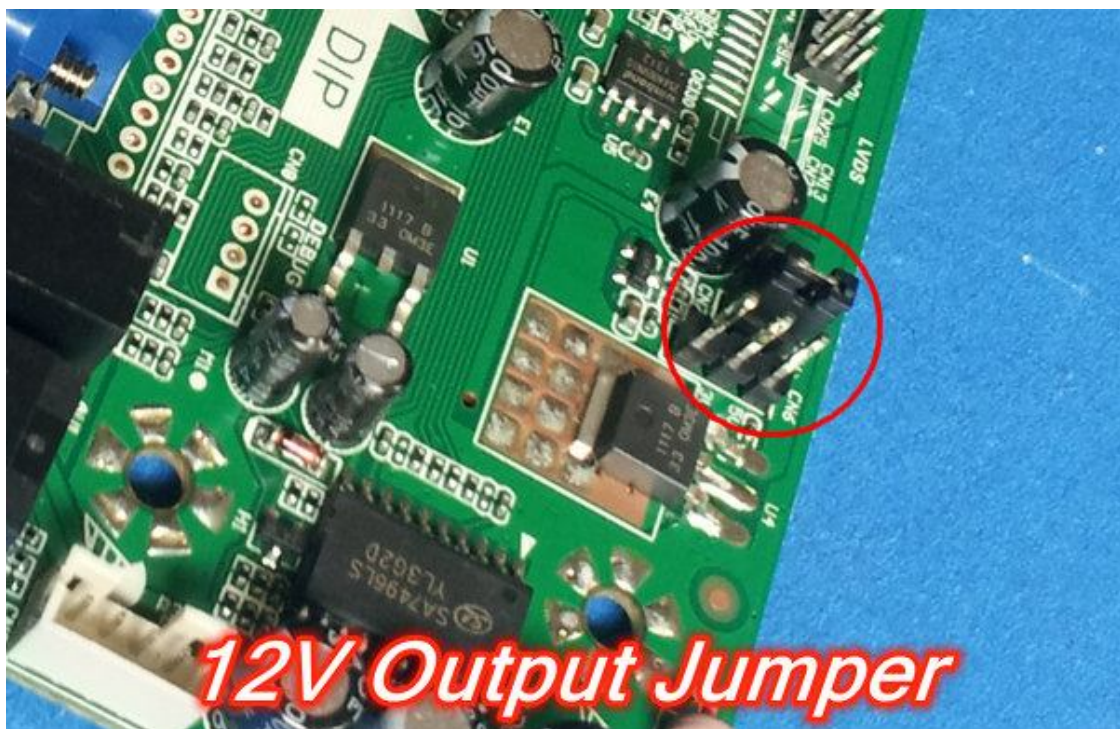
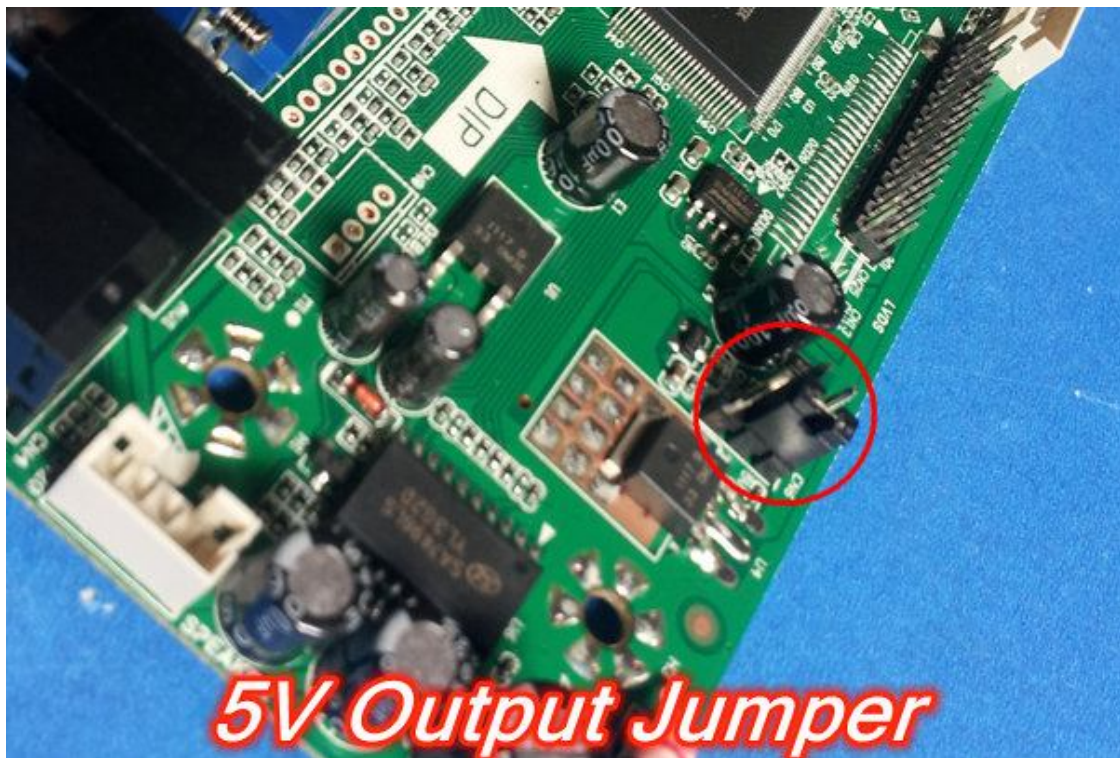
Chapter 2--The LCD Panel Voltage Jumper

The board voltage and the LCD voltage are 2 different parameters. The board can be worked from +5V to +12V. The LCD voltage only can be supplied by the board's jumper with only +3.3V +5.0V +12.0V. Most of LCD panel works at +3.3V. Normally, the board's jumper has been jumped to +3.3V and please don't jump it again. Or else, the LCD will be damaged at +5.0V/+12.0V.



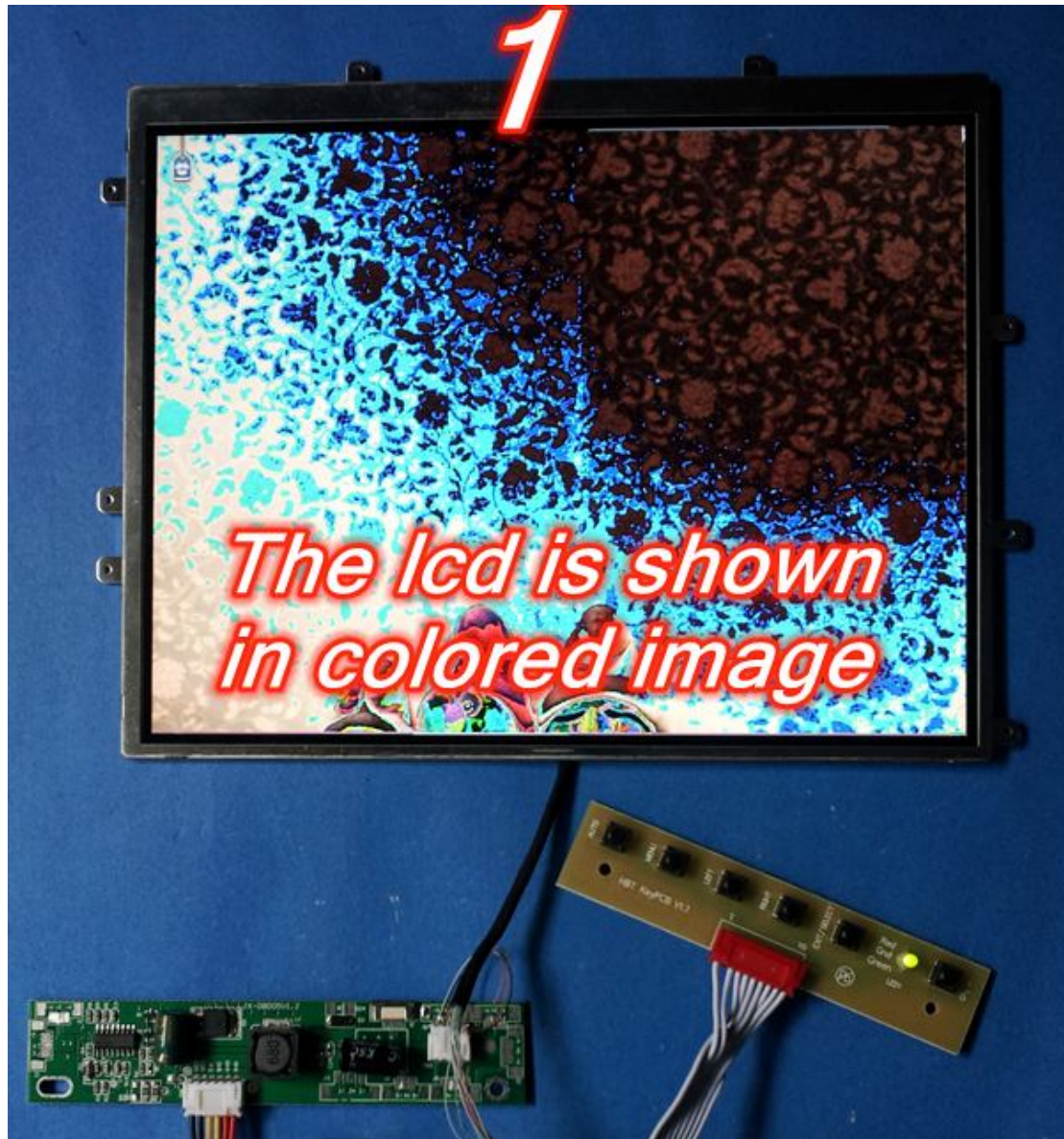


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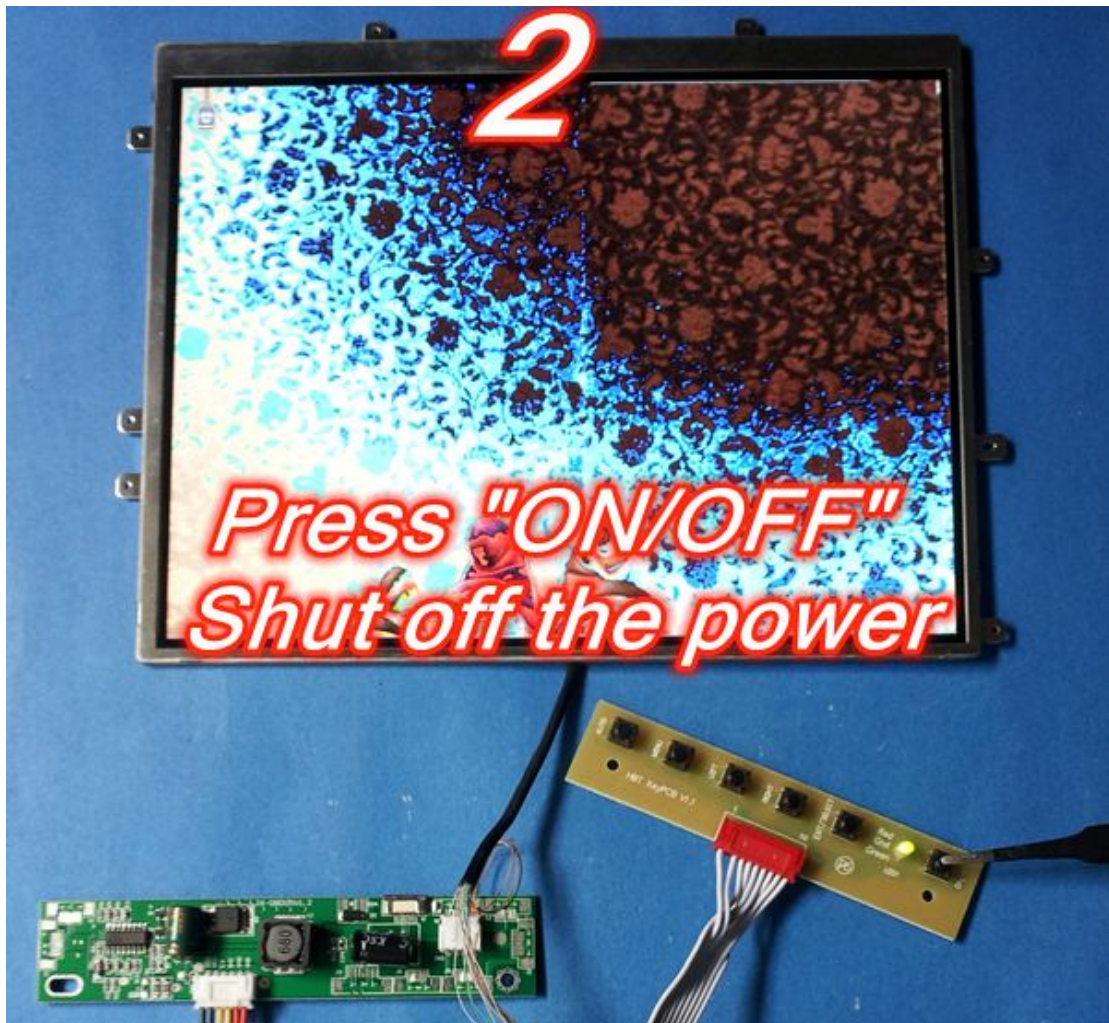


Chapter 3--How to enter into factory mode





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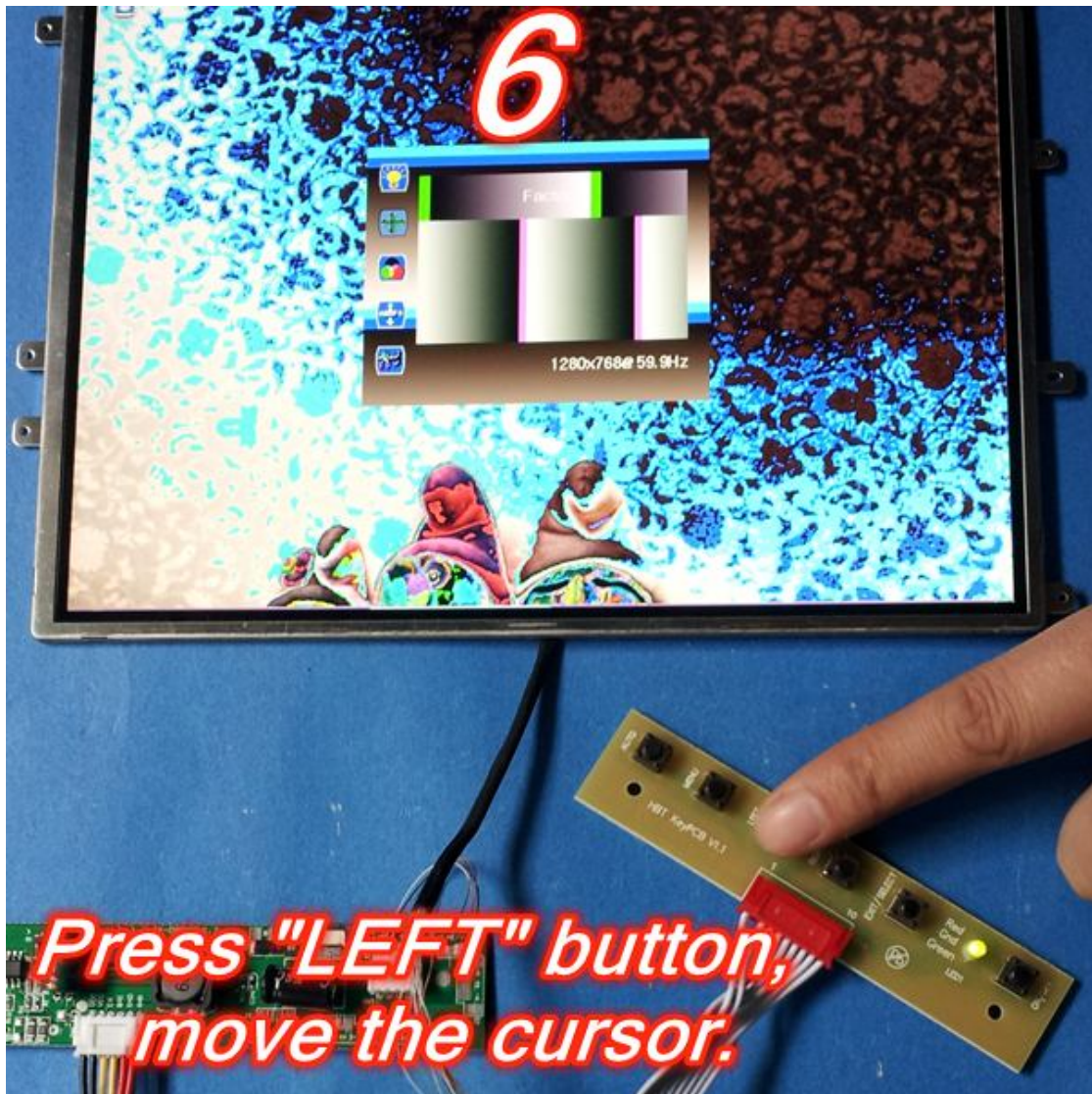


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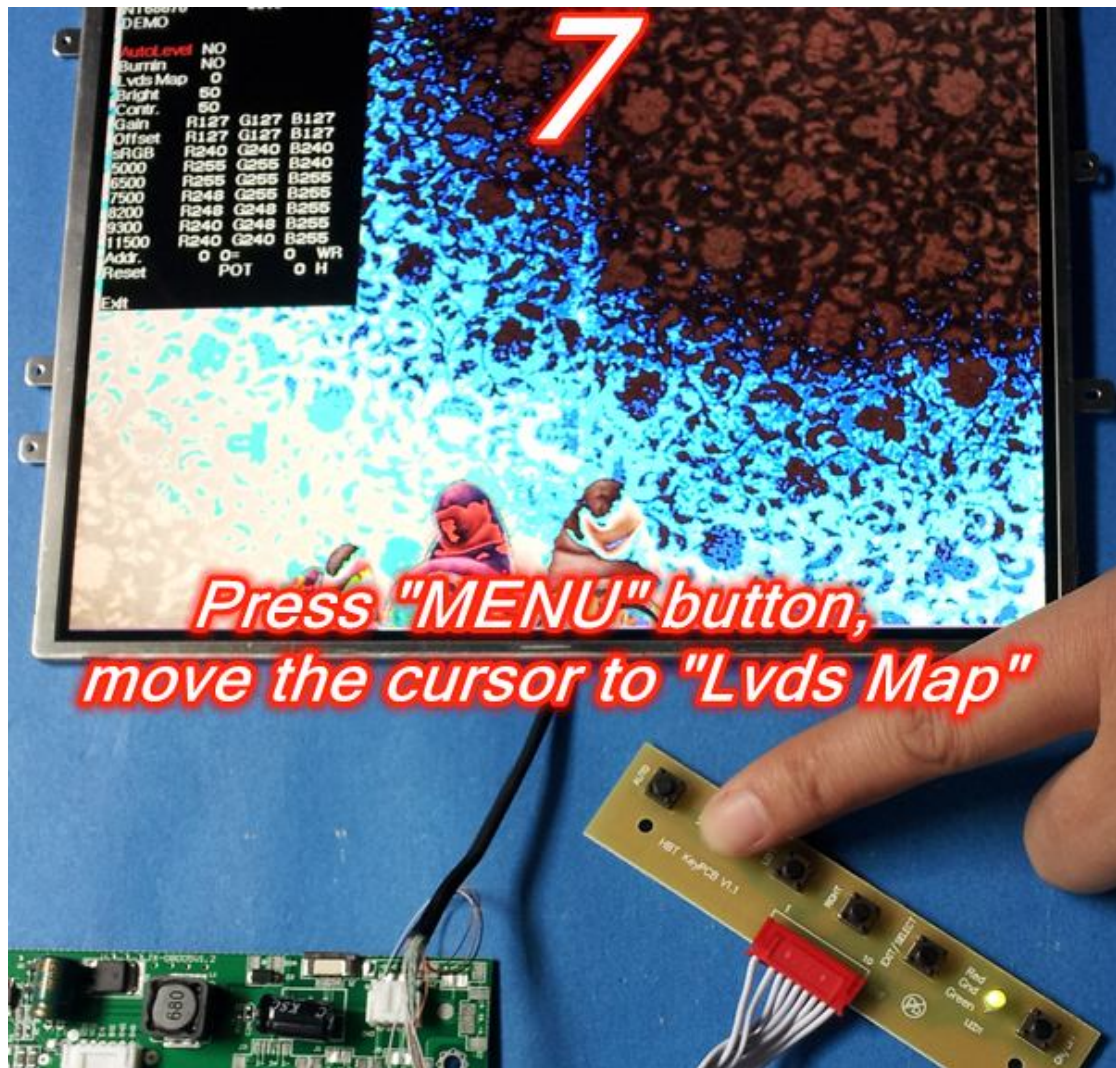


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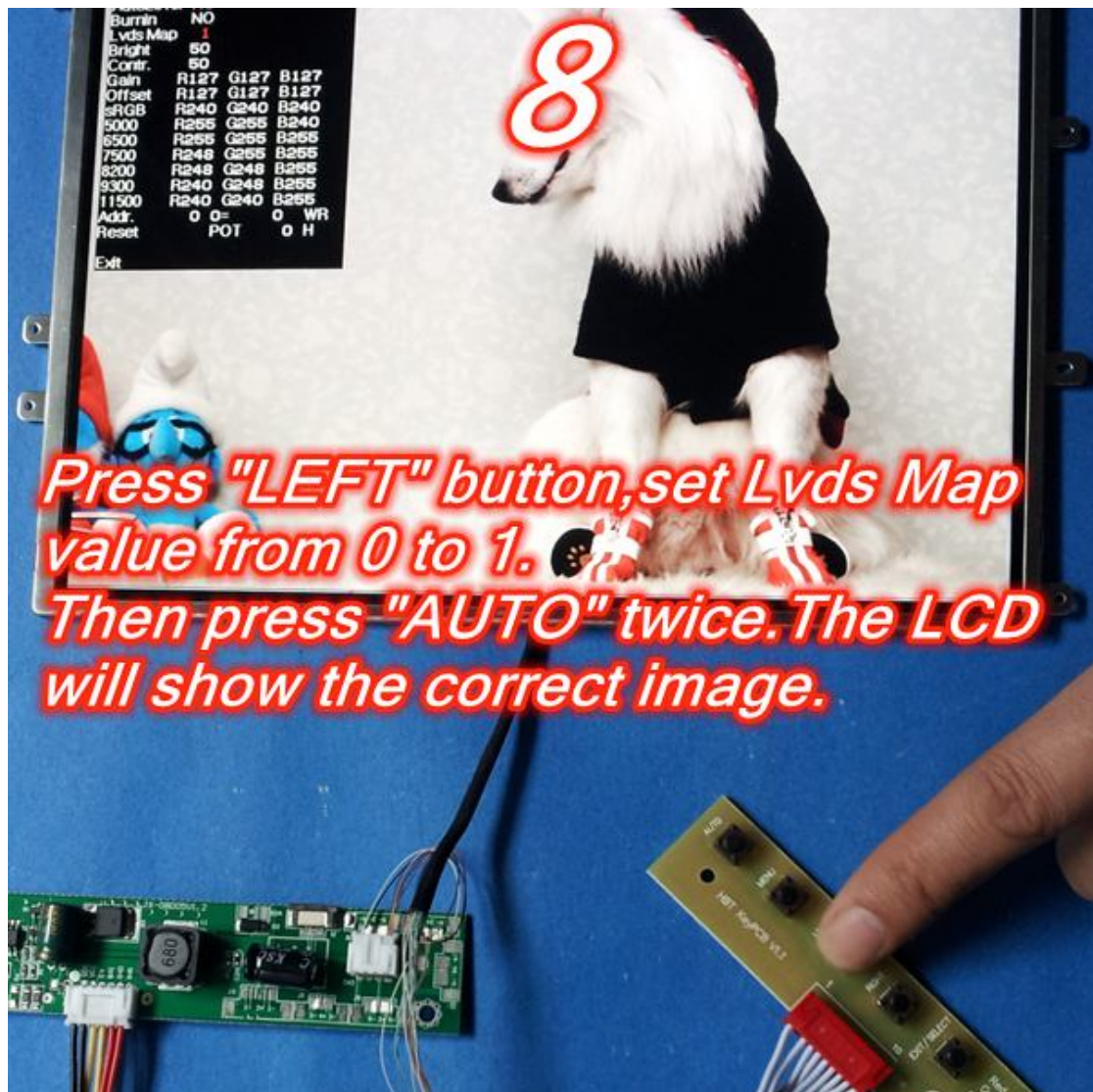


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Chapter 4--Upgrading the M.NT68676.2A firmware

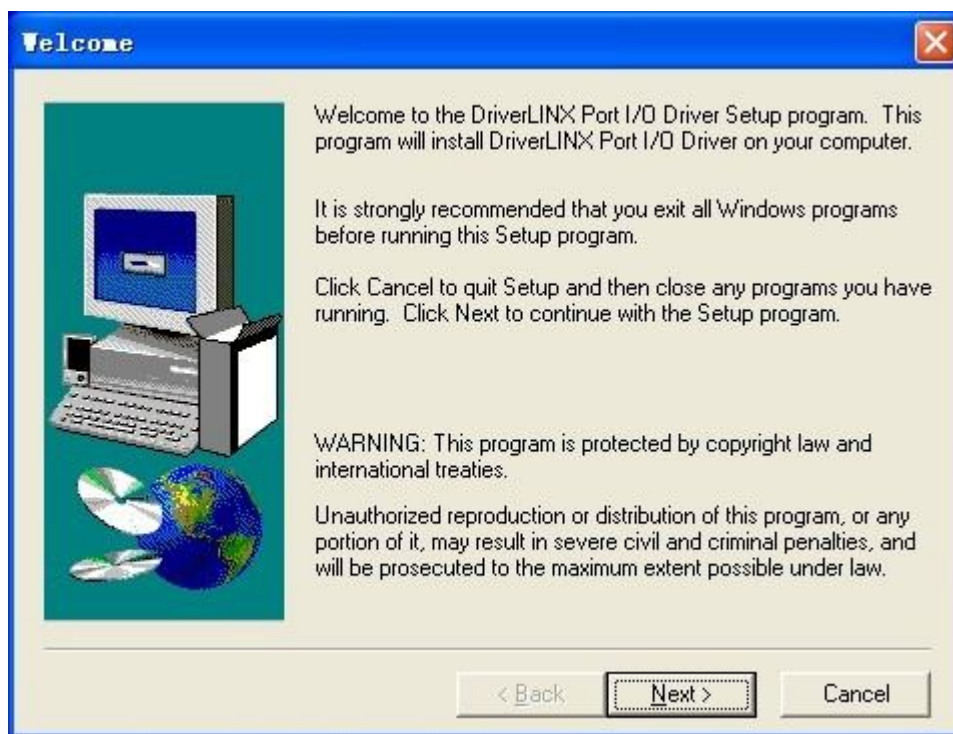
Tools:

- VGA Cable—1pcs
- Parallel Programmer--1pcs
- Parallel Cable—1pcs

The steps:

Please confirm your PC has been installed the Parallel port driver program. If it isn't installed, please install it first.

Step 1. Installed the Parallel port driver program on the PC.





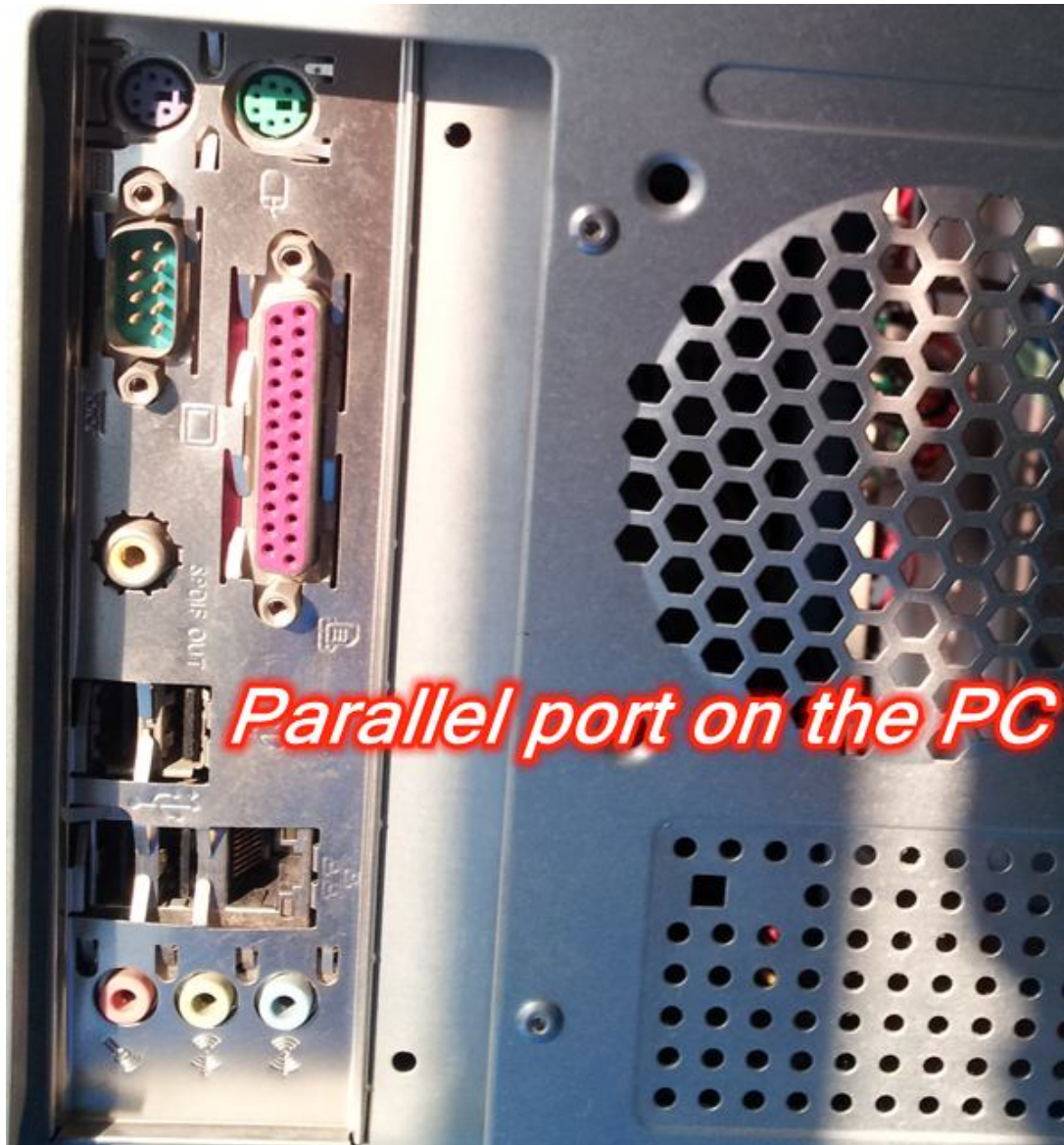
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Step 2. Connect the cables as follows.



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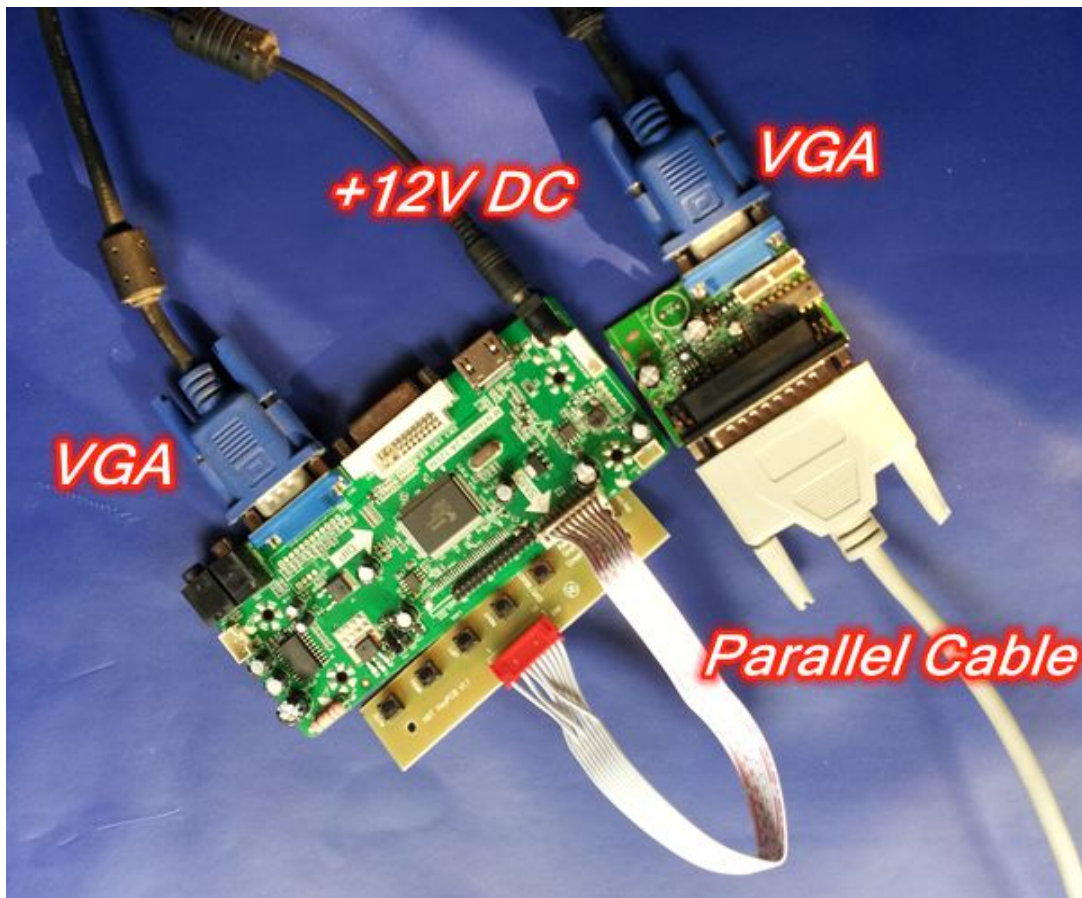


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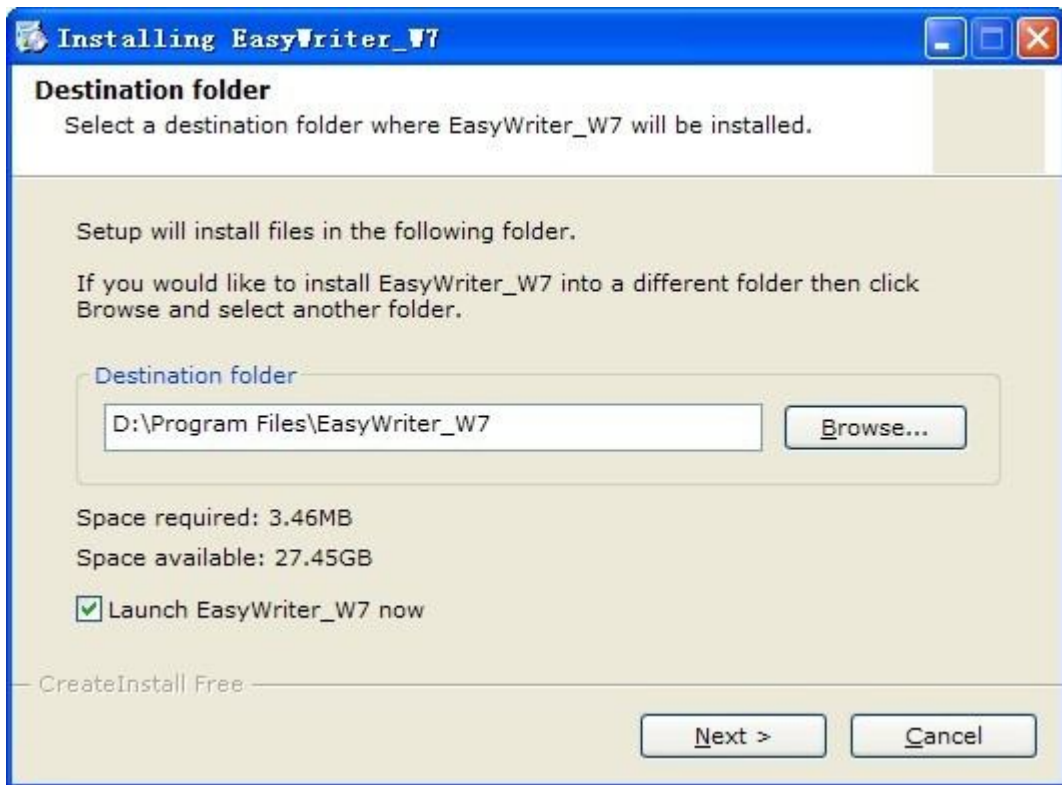
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Step 3. Double click the Easy WriterV2011.0831_W7.exe file to start software driver installation. Then, the setup program will guide user to complete software installation.



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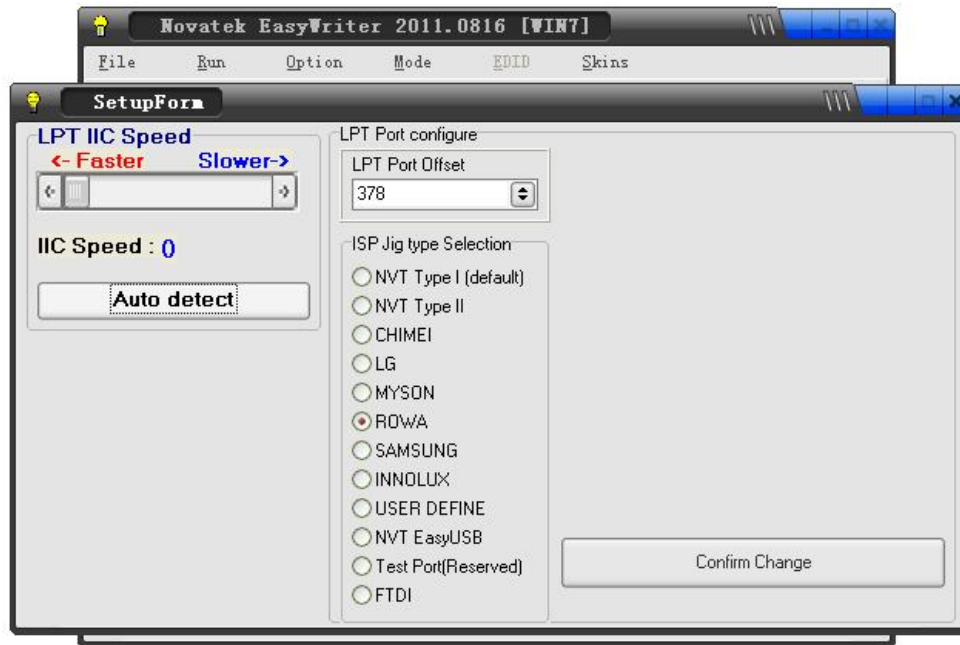



Step 4. Then run EasyWriter_V2010 software, a new dialog popped up as below.


Press **Auto detect** button, and select .



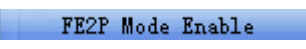
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Step 5. Then press , a new dialog popped up as below. Press the left

 button and finish the software configuration.



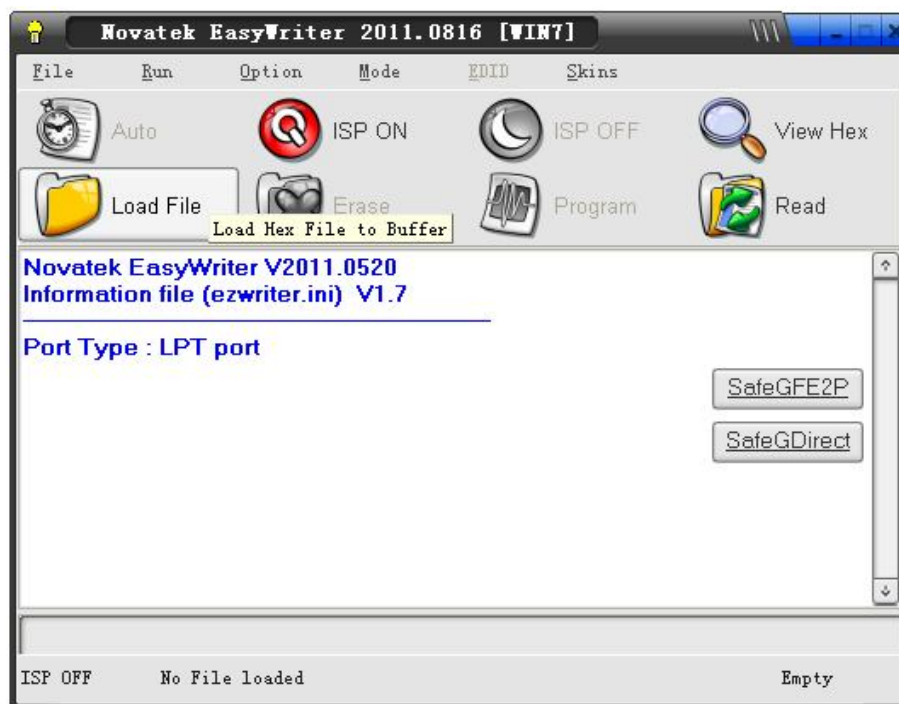
Step 6. Press **Option**, remove the selection of .



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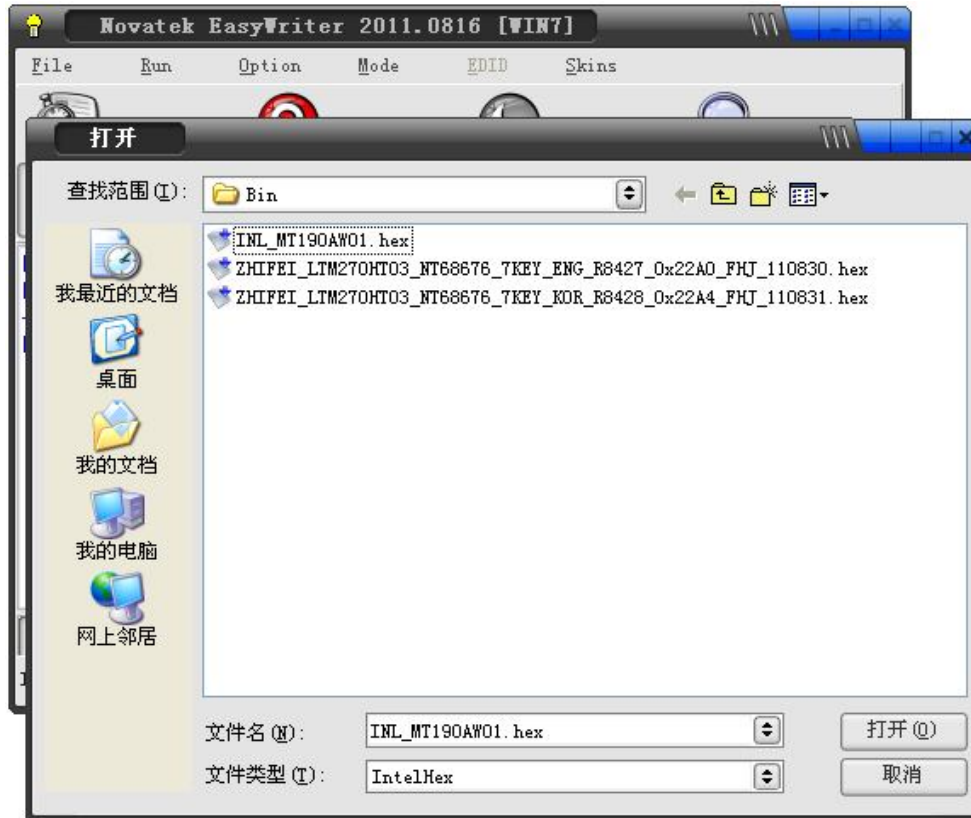



Step 7. Press **Load File**, a new dialog popped up as below. Select the bin file on the PC.

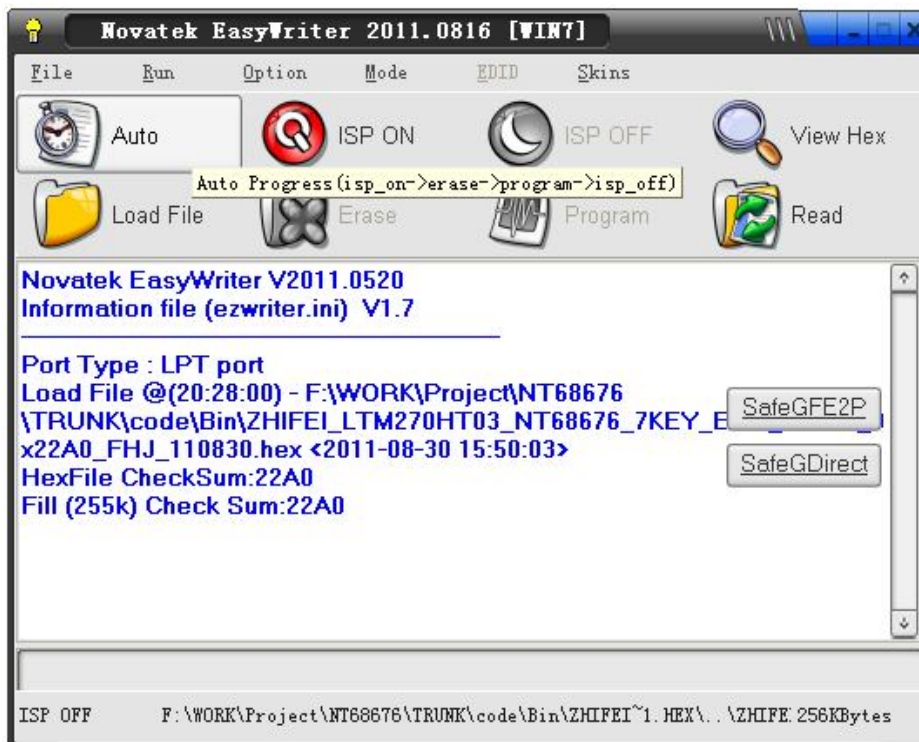




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Step 8. Press  to burn bin file to the driver board.

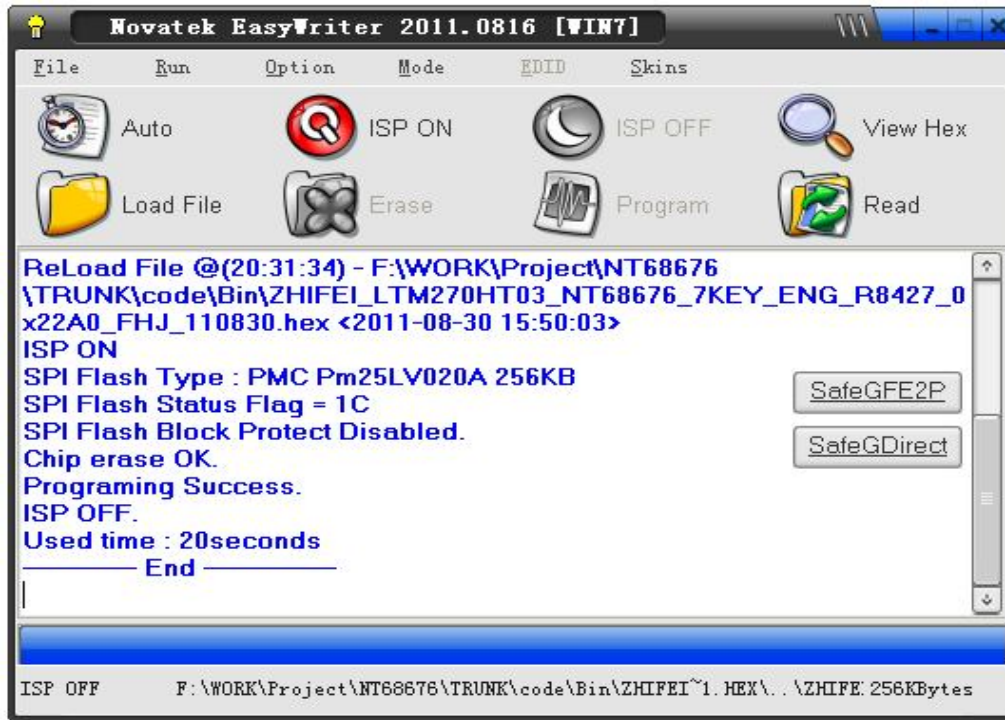





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图 6

Step 9. A new dialog popped up as below, the total process finished.



Step 10. If the upgrading procedure is failed, please press , then

press , then press  and re-burn the bin file to the board.





Chapter 5--Troubleshooting

Question 1 – The power adapter requirement of the board.

POWER	Requirement	12V DC/12V(built)/12V,5V(built in)/12V,5V,5VSB(built in)
	To Panel	3.3V/5V/12V
	Management	Standby Power Consumption < 0.5W(Board Only)

The board voltage and the LCD voltage are 2 different parameters.

The board can be worked from +5V to +12V with 3.0A current.

Question 2 – The LCD panel voltage

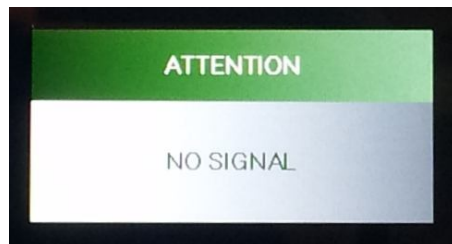
The LCD voltage only can be supplied by the board's jumper with only +3.3V +5.0V +12.0V. Most of LCD panel works at +3.3V. Normally, the board's jumper has been jumped to +3.3V and please don't jump it again. Or else, the LCD will be damaged at +5.0V/+12.0V.

Question 3 – How to confirm all the connections are in good condition.

First of all, please do not input any signal cable.

Then power on the board via keyboard power ON/OFF button.

The following image can be shown on the LCD. That means the board kits and LCD are in good condition. Then you can start use it via plugging in the signal cable.



If the "ATTENTION NO SIGNAL" isn't shown on the LCD, there should be problems and please don't connect the signal cable to the board in order to save time. Please check the board power, the LVDS cable connection to board and to the LCD.