# Manual for HDSet software

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I Software installation

Double-click the software executable file HDSet.exe directly, and follow the software prompts to install it by default.

II Manual

1. Detect device

● T901/VP210/VP410 is connected to the computer using a dedicated USB cable;

● The software will automatically detect the device when open it。

● When the device is found, the device is listed on the left list and the device information if the mouse move on the device .

Shenzhen Huidu Technology Co.,Ltd.http://www.huidu.cn2
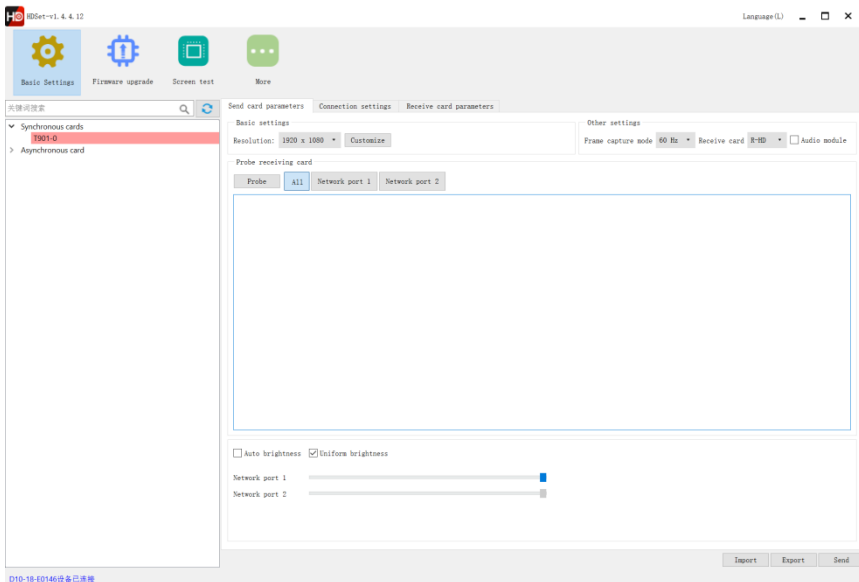
2. Setting Hardware parameters

Sending card parameter settings can be set resolution, frame selected mode (60Hz / 30Hz) selection, receiving card type (Huidu or other receiving card), audio transmission, automatic brightness, uniform brightness, receiving card detection and other functions. adjustment of network port, receiving and other functions.
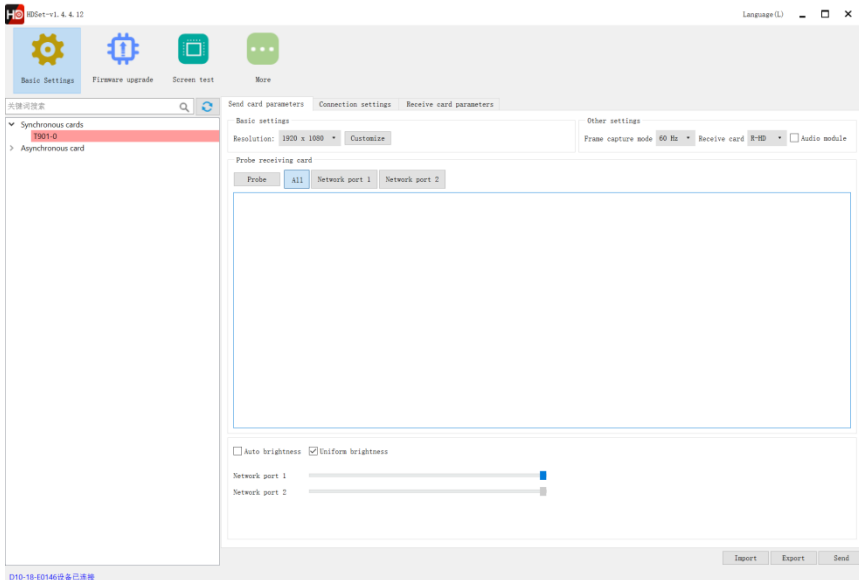
Note: 1) one RJ45 port →1280x512@60Hz, 1280x1024@30Hz；

2) Audio module and automatic brightness adjustment need to be used with multi-function card Y1.

- Click on the 'connection settings' and enter the 'connection Settings 'interface.
- This page is divided into 'Standard' settings and' profession' settings. It is convenient and quick to set the connection relationship of the receiving card, when look from the front of the screen, the first receiving

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card connect is the card number 1 , and so on.Multiple network ports

can be set.
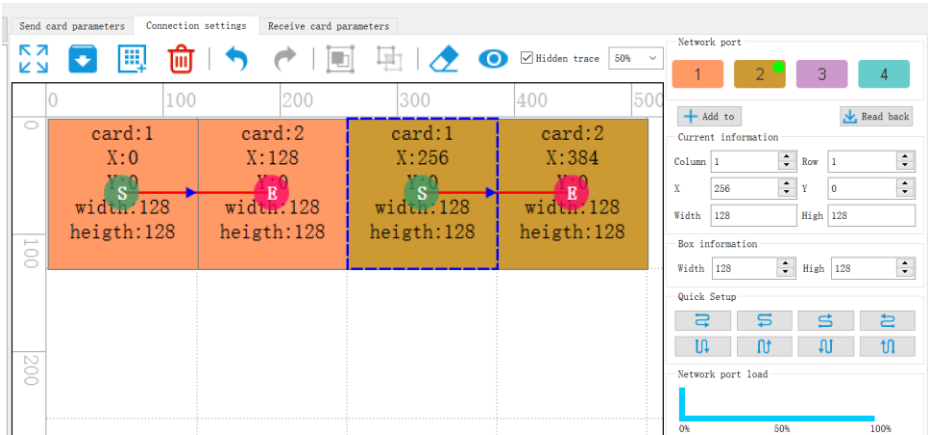
● Introduction of icons in connection setting interface：

Full screen edit connection relationship；

Read back: readback connection settings

Add cabinet: click and drag in the box setting interface for a long time to

add multiple cabinets.

Delete cabinet: Click to delete the selected cabinet;

Delete cabinets.

Restore button: Click to restore the previous steps.

Combined button: select multiple cabinets and click it. The selected

cabinet becomes a whole

Button for canceling combination: after canceling combination, each cabinet becomes a box that can be set separately.

Erase button: clear cabinet information

Hide / show cabinet: click it to hide or show all cabinets of the selected network port.

☑ Hidden trace Hide route: click it to hide or show the route of connection relationship

50% Cabinet proportion: adjust the cabinet proportion to facilitate operation

Notes

1. The connection relations of all network ports are set together, and the sending parameters do not distinguish between network ports.

2. The import and export do not distinguish between network ports. When the parameters exported by the old version of software are imported into the control card with multiple network ports in the new version of software, only the connection relationship and receiving card parameters of network port one are imported. The connection relationship of other network ports needs to be adjusted manually. No other settings are required for the control card imported to the single network port.

3. Network port division of the old version. The network port is loaded on the interface of the new version of the connection relationship

4. Add the setting parameters of the specified receiving card (right click the box to select the receiving card parameters to enter the specified receiving card setting interface). A30, cx0 and CX5 series sending cards

cannot modify the sending card itself as the parameters of the receiving card.
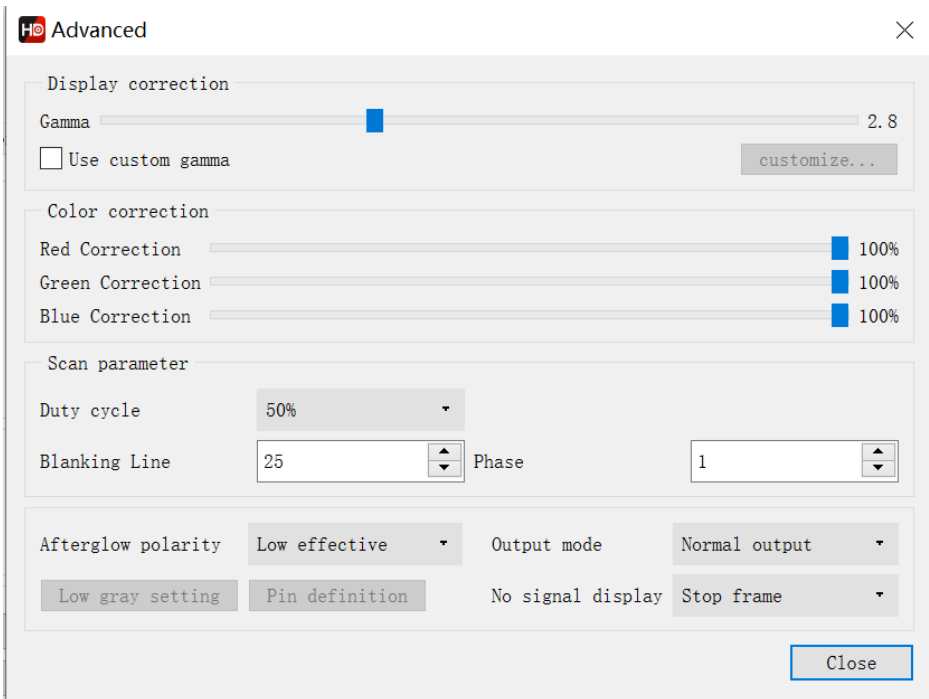
● Receiving card parameter setting:

Click 'receiving card parameter' to enter the receiving card parameter setting interface. thisinterfaceis for the gray level, refresh rate, PWM register parameter settings, the parameters of this interfacedirectly affect the effect of LED display screen .
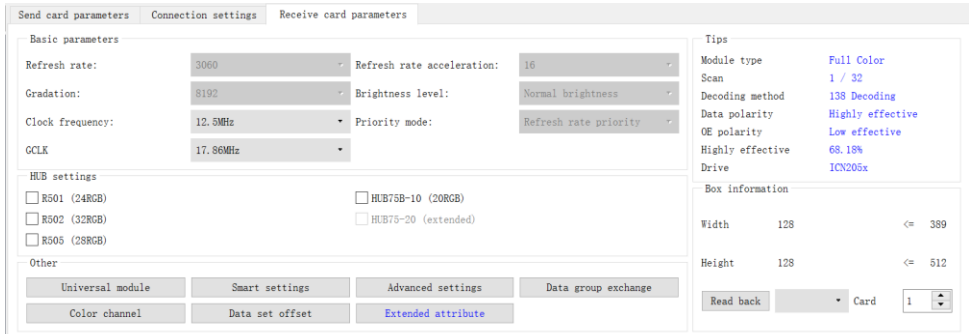
● Universal module interface of can set up the common module quickly.
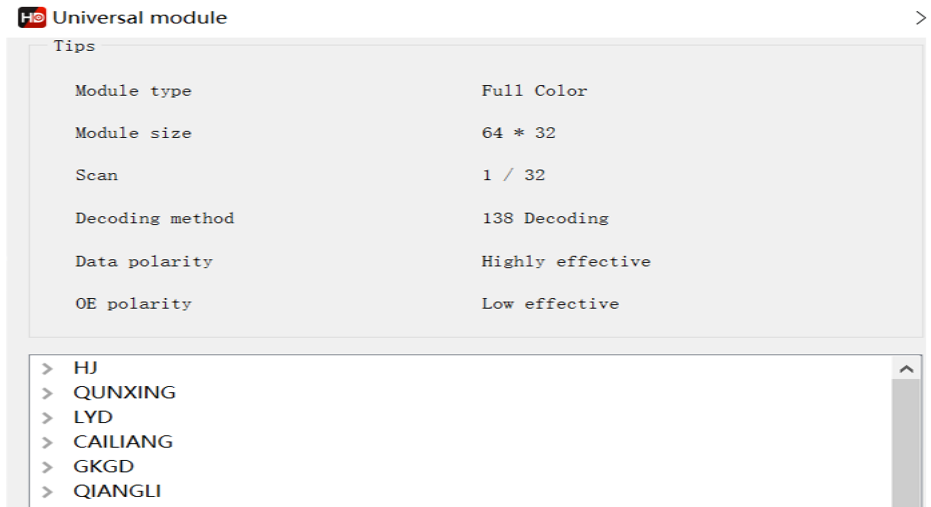
- Smart setting ：for the common module, if there is no corresponding configuration file in 'Universal module', the module parameters can be set by 'Smart setting'.——For details, see section 2.3.
- Advanced setting : In this interface, you can adjust gamma, color correction and other parameters to further adjust the effect of the LED screen display.

H🔴 Advanced	✕

Display correction

Gamma ————————————————————■——————————————— 2.8
☐ Use custom gamma   customize...

Color correction

Red Correction ——————————————————————————————■ 100%
Green Correction ——————————————————————————————■ 100%
Blue Correction ——————————————————————————————■ 100%

Scan parameter

Duty cycle   50%   ▾

Blanking Line   25   ▲▼   Phase   1   ▲▼

Afterglow polarity   Low effective   ▾   Output mode   Normal output   ▾

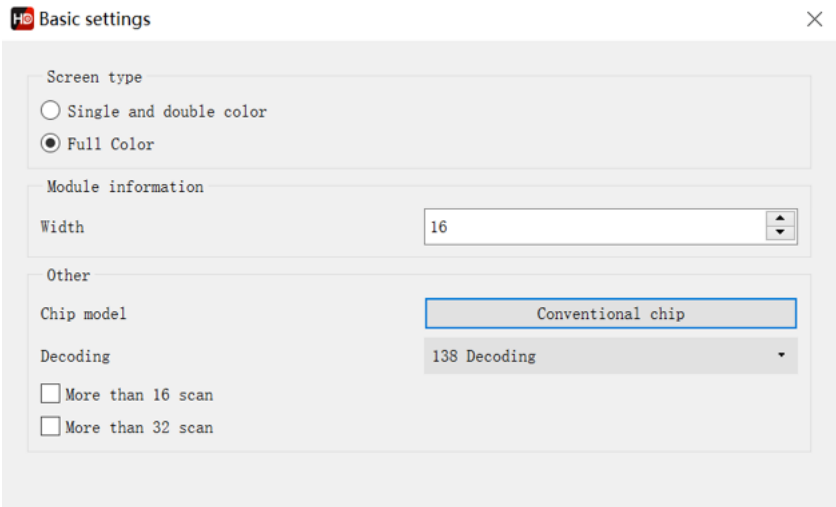Low gray setting   Pin definition   No signal display   Stop frame   ▾

Close

- Color channel: the red, green and blue color of the display can be changed through debugging.
- Data Group Exchange：this function can exchange output data from one ports to another ports.

- Extended mode：for some special IC, such as high refresh rate IC. Register configuration is required to set up with this function.
- Data group offset: mainly used for special irregular screen or cross screen.

3. Smart setting

- The following figure is the first step for Smart setting. In this interface need to set, the screen color type, single module width(in pixel), module chip type, and decoding mode (drop-down options are: 138 decode, non decoding, 595 decode, 5958 decode, etc.). If the module is larger than 16 scan, please check 'More than 16', If the module is larger than 32scan, please check 'More than 32'
-

HD Basic settings ✕

Screen type
◯ Single and double color
◉ Full Color

Module information
Width | 16

Other
Chip model | Conventional chip
Decoding | 138 Decoding ▾
☐ More than 16 scan
☐ More than 32 scan

- The figure below shows the second step of smart settings. In this step, please try to select A B to see if the module is fully lit. Select the corresponding option in the display state according to the module performance. This step is to determine the data polarity.

HD Data polarity setting   ✕

┌─ Display state ──┐
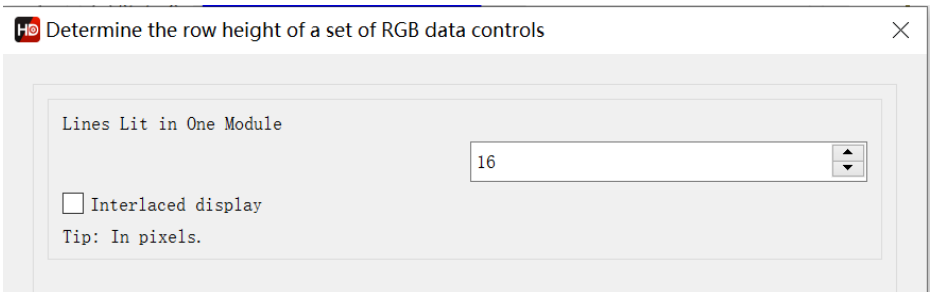│   │
│   ☐ Automatic switching   │
│   ○ A   ◉ B   │
│   Display state   │ A is black while B is white   ▾ │
│   │
└──┘
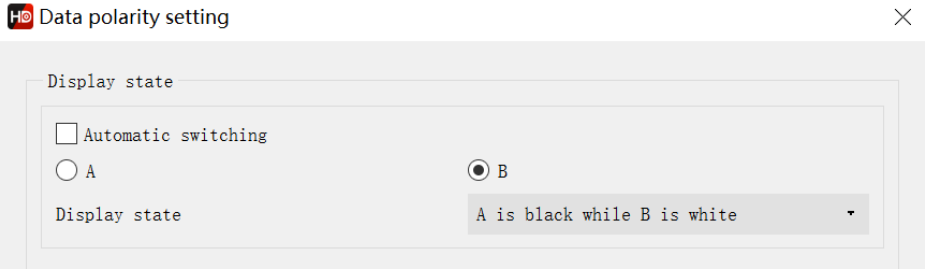
●   The figure below shows the third step of smart settings. At this step, please try to select A B to observe the brightness of the module. According to the performance of the module, select the corresponding option in the display state. This step is to determine the OE polarity.

HD OE polarity setting   ✕

┌─ Display state ──┐
│   │
│   ☐ Automatic switching   │
│   ○ A   ◉ B   │
│   Display state   │ A is brighter than B   ▾ │
│   │
└──┘

●   The following figure shows the fourth step of smart settings. At this step, please try to select the status A ,B,C,D to observe the color display of the module. According to the module performance, select the corresponding option in the display status. This step is to determine the color channel of the module.

HD Color channel ✕

☐ Automatic switching

◉ State A ▬▬▬▬▬▬▬▬▬▬ ▾

◯ State B ▬▬▬▬▬▬▬▬▬▬ ▾

◯ State C ▬▬▬▬▬▬▬▬▬▬ ▾

◯ State D ▬▬▬▬▬▬▬▬▬▬ ▾

- The figure below shows the fifth step of smart settings. Please observe the performance of the module and fill in the corresponding values. This step is to test the height of a set of RGB controls.

HD Determine the row height of a set of RGB data controls ✕

Lines Lit in One Module

16 ▲▼

☐ Interlaced display

Tip: In pixels.

- The figure below shows the sixth step of smart settings. Please observe the performance of the module and fill in the corresponding values. This step is to test the scan type.

HD Determine scan mode ✕

Lines Lit in One Module

2 ▾

Tip: In pixels.
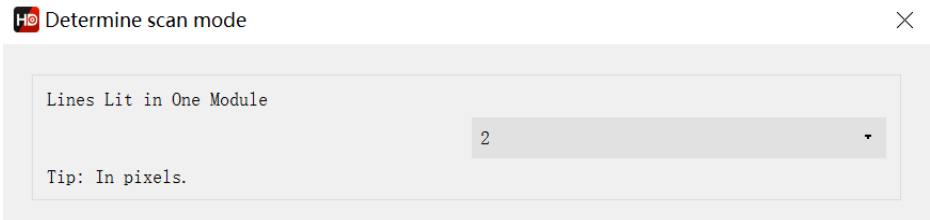
- The figure below shows the seventh step of smart settings..Please observe the module performance and click the corresponding cell according to the location of the flashing point .
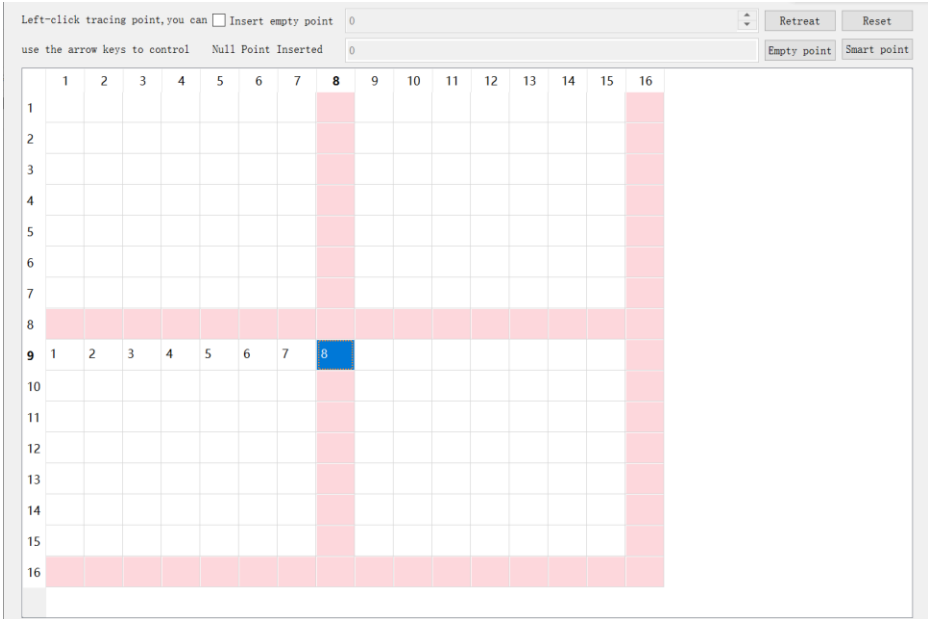

After you finish, click Save to complete the smart settings.

III   Auxiliary function
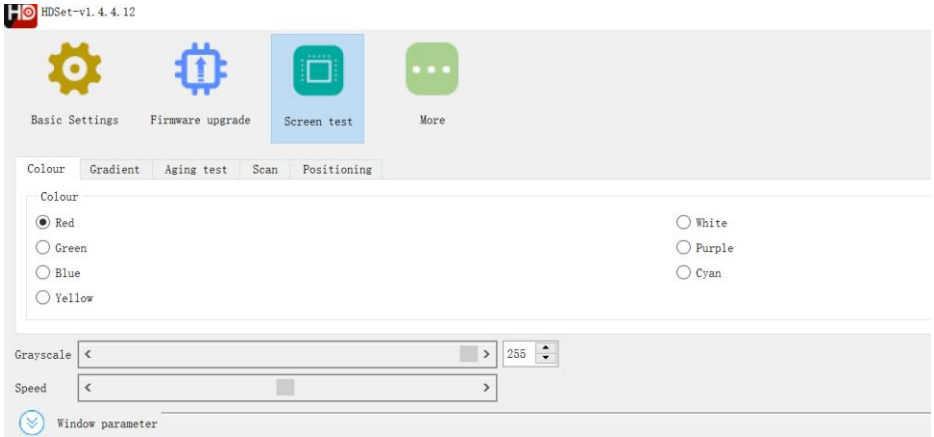
1. Firmware Updating

- Click firmware upgrade and the password is 888. Enter the interface of sending card upgrade, select the corresponding firmware, and then click upgrade. Select all the corresponding firmware in the interface of receiving card parameters. Click upgrade (download the corresponding controller firmware, each product has the

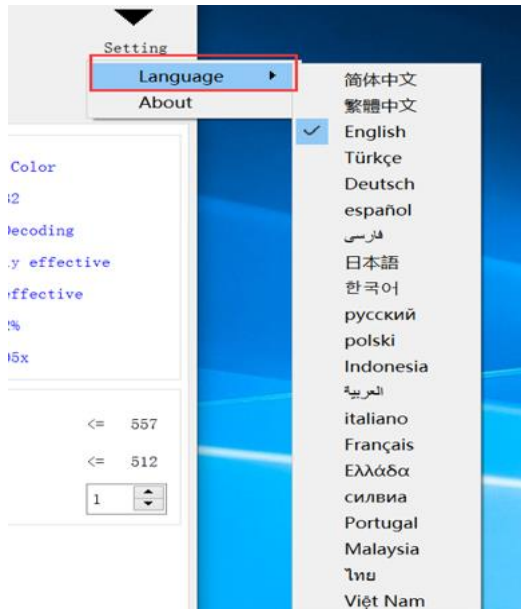corresponding. Bin file, and you can download the corresponding firmware on the official website).
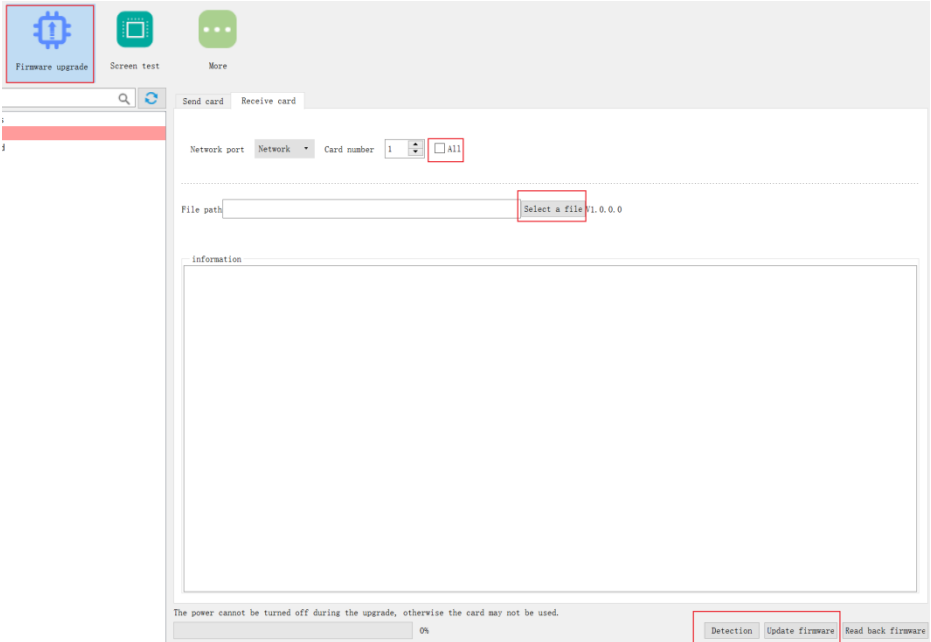
2. Screen Testing

● For LED screen test, including color, gradient, aging test, scan, positioning.

HDSet-v1.4.4.12

Basic Settings   Firmware upgrade   Screen test   More

Colour   Gradient   Aging test   Scan   Positioning

Colour

○ Red   ○ White
○ Green   ○ Purple
○ Blue   ○ Cyan
○ Yellow

Grayscale   < _____ >   255 ▲▼

Speed   < _____ >

⊗ Window parameter

3. More languanges

● Click【language】 in the upper right corner to adjust the display language

Setting
　Language ▶
　About

　　　　　简体中文
　　　　　繁體中文
✓ English
　Türkçe
Color   Deutsch
2   español
decoding   فارسی
y effective 日本語
ffective   한국어
%   русский
5x   polski
             Indonesia
             العربية
<=   557   italiano
<=   512   Français
             Ελλάδα
1 ▲▼   силвиа
             Portugal
             Malaysia
             ไทย
             Việt Nam

- Click to bring up the following interface,password is 168.

4. Other Settings

1) Point-by-point correction, use for correcting the brightness of each pixel/module on the LED screen;

2) Multi-function card, used with multi-function card YI, mainly including relay setting (on/off power of the screen), detecting the temperature/humidity of the box body and so on;

3)Hidden function trial lock, also known as engineering lock, is used for timeout lock setting. Shortcut key (FN + F9)

VI Player control software-HDShow

After HDSet has set the screen ok, use HDShow to edit and play the program.

HDShow operation learn from<HDShow operating manual>