



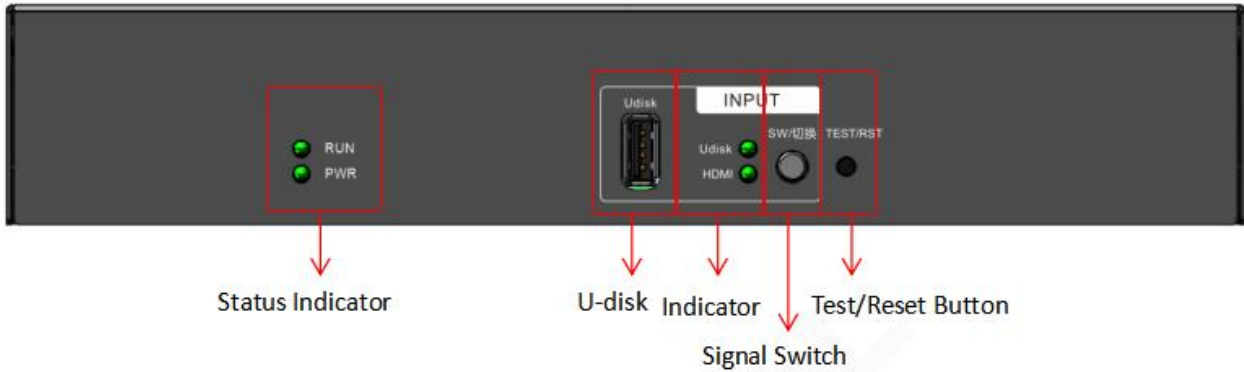
ZH Video Processor Debugging Manual

ZXD Series

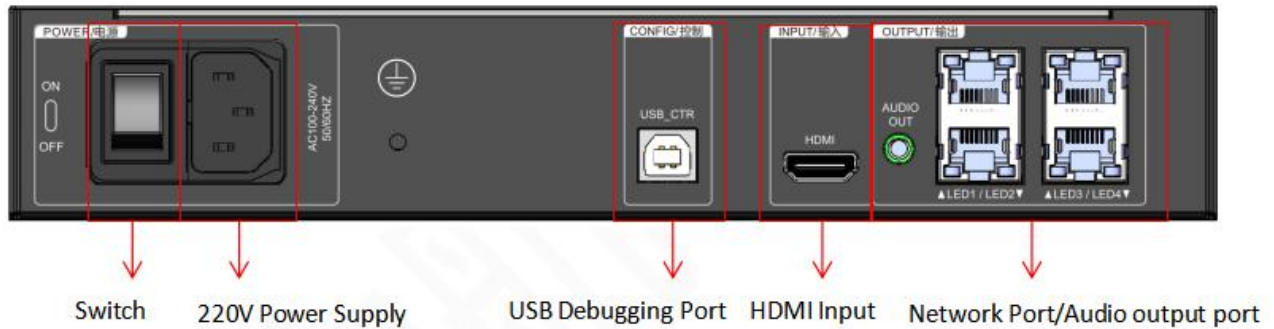
(Used For Model: ZH-Z2D/ZH-Z4D)

I. Production Picture:

The Front Panel



The Back Panel

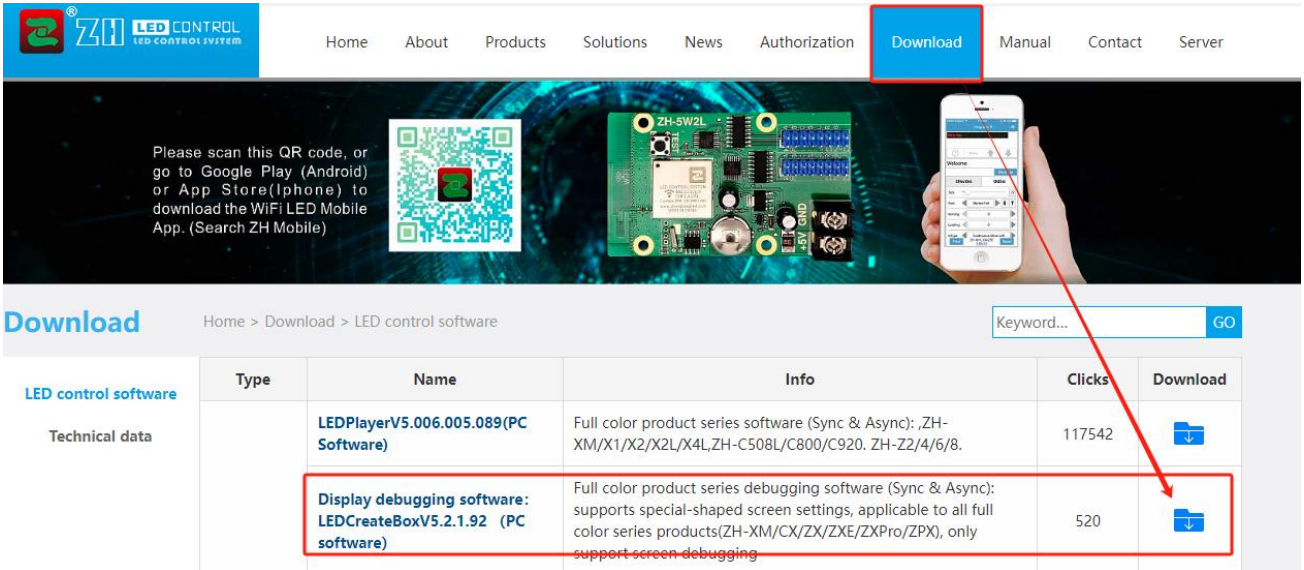


(Please refer to the actual product for details)



Button	Control	Input	Output
SW/切换键: Signal switch	USB_CTR: Debugging port	Power: DC 5V	LED : Standard Gigabit Ethernet port
TEST/RST: Click to enter test mode, long press to reset to factory settings	ETH_CTR: Central control network port	HDMI input: EIA/CEA-861 standard, compliant with HDMI1.4 standard, supports HDMI input audio data output	AUDIO: 3.5mm standard audio port
		U-disk: Standard USB2.0 port	

II. Software Download: www.zhonghanged.com/en

Click “Download” --- Display debugging software: [LEDCreateBoxV5](#)

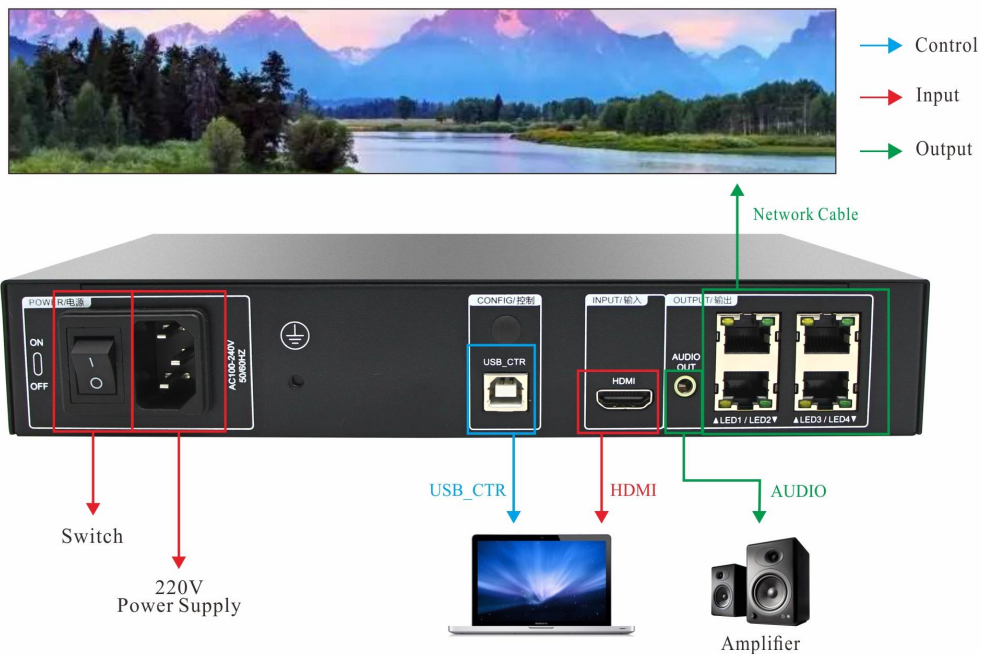


LED control software

Type	Name	Info	Clicks	Download
Technical data	LEDPlayerV5.006.005.089(PC Software)	Full color product series software (Sync & Async); :ZH-XM/X1/X2/X2L/X4L,ZH-C508L/C800/C920. ZH-Z2/4/6/8.	117542	
	Display debugging software: LEDCreateBoxV5.2.1.92 (PC software)	Full color product series debugging software (Sync & Async); supports special-shaped screen settings, applicable to all full color series products(ZH-XM/CX/ZX/ZXE/ZXPro/ZPX), only support screen debugging	520	

III. Topology Diagram:

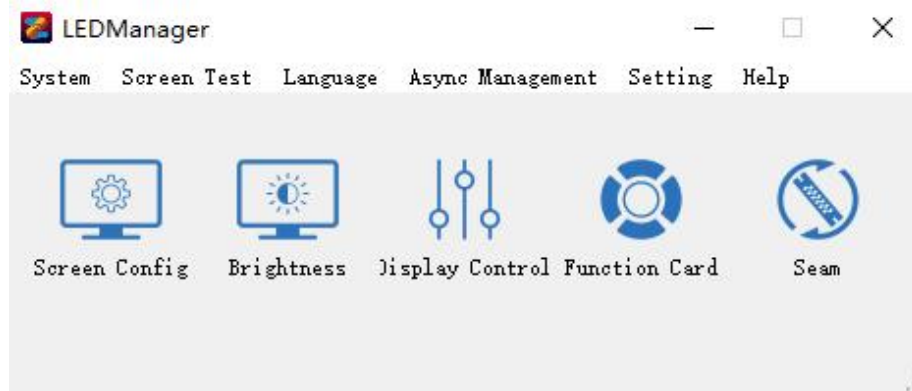
During debugging, Need to use the USB cable to connect the computer and the device for debugging, and the computer's HDMI signal needs to be connected to the device to provide a signal source. (Other signal sources can also be used, such as: DP), and the network cable needs to be connected to receiving card in the display screen.



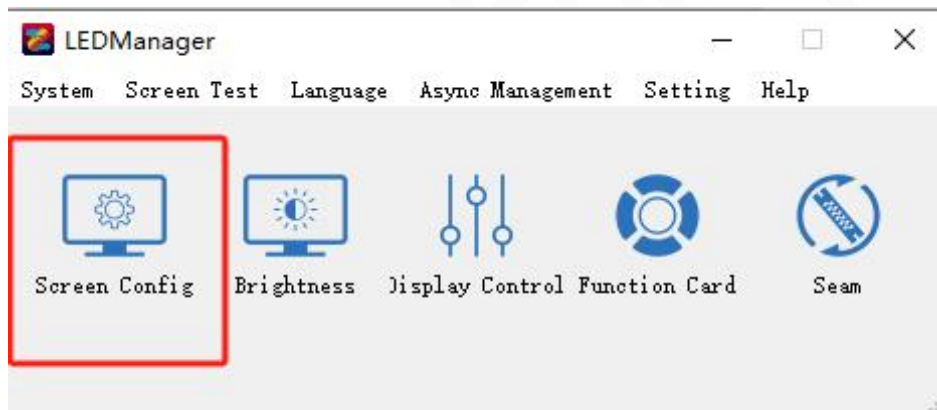
IV. Parameter Setting



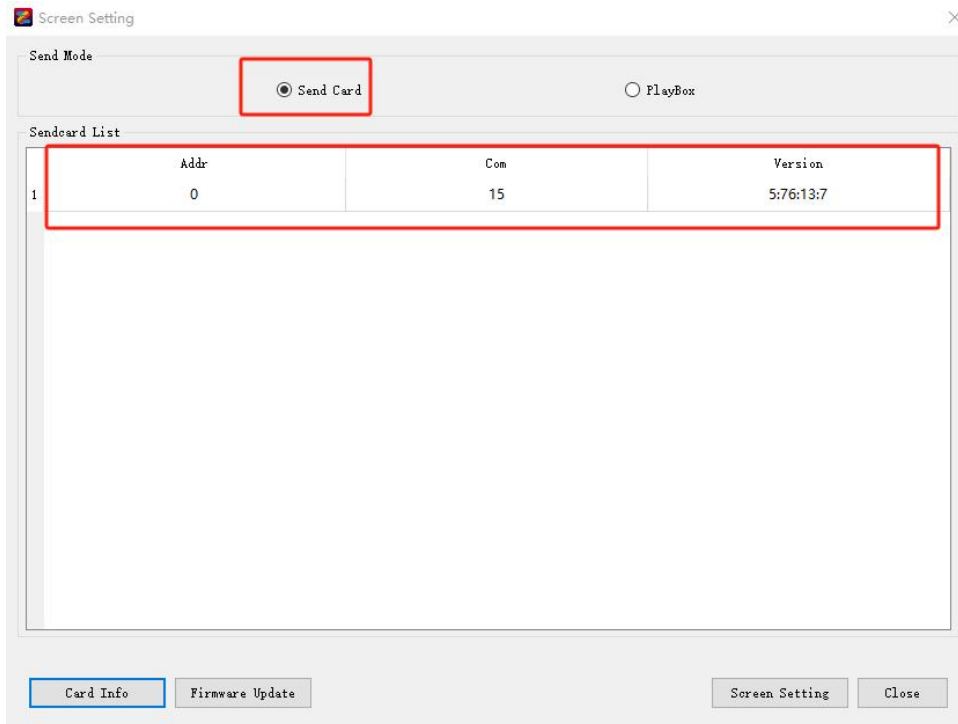
1. Open the Software



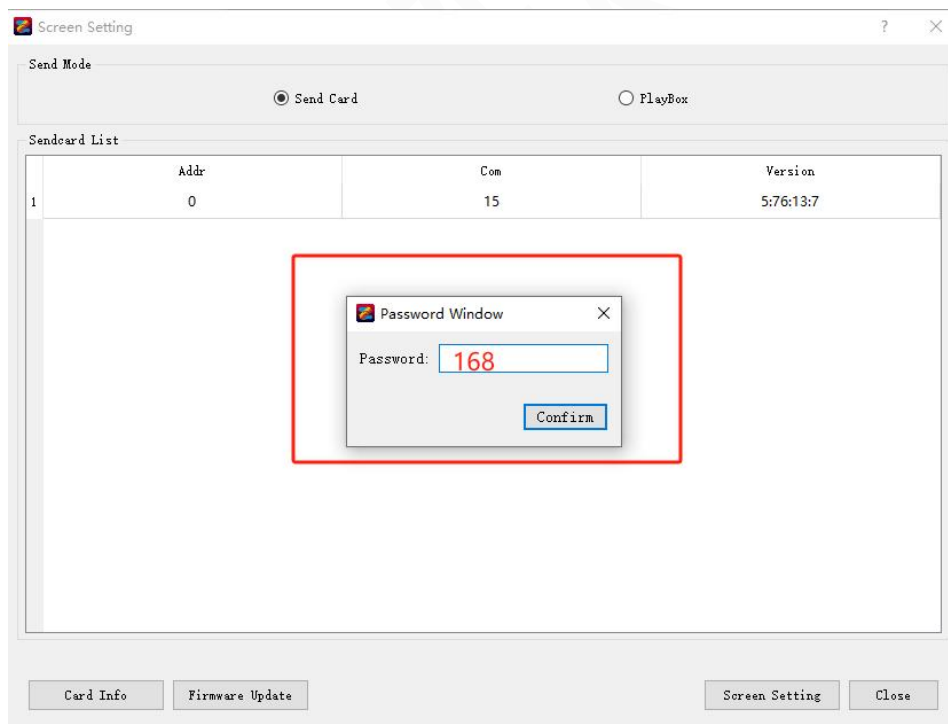
2. Click “Screen Config”



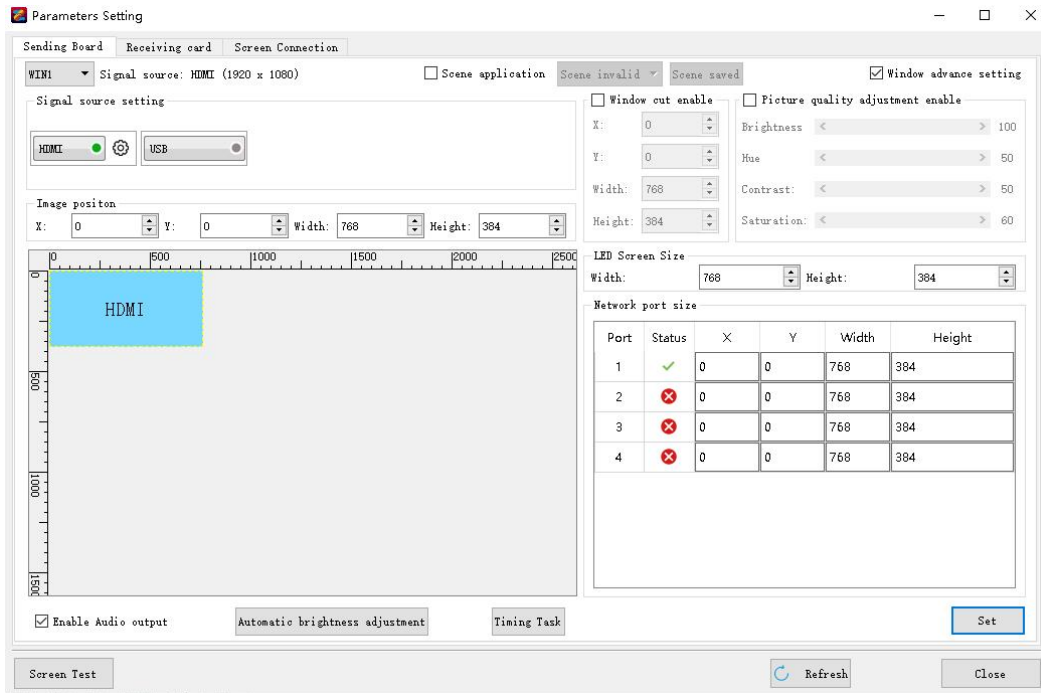
3. Choose “Send Card”, If it is connected, it will refresh automatically. The information as show in the red borders indicates that the search is successful.



4. Click "Screen Setting" the password is "168"

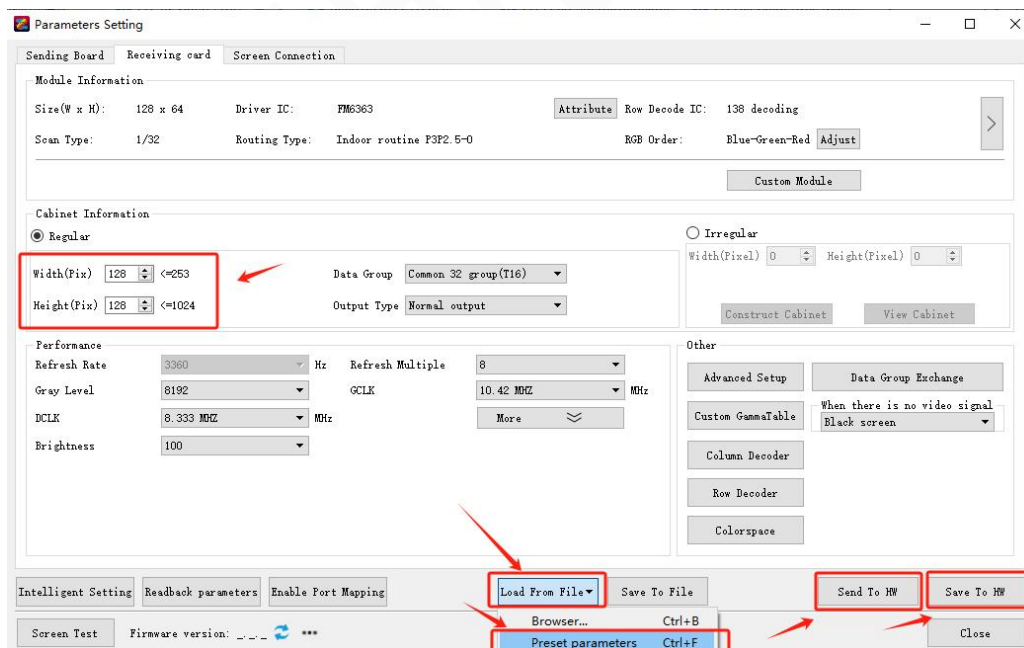


5. Click "Sending Board" to enter its interface. Make sure that HDMI signal is displayed as "Signal" in the "Signal Source Settings", and click this signal source. (Or click "SW" on the device. The HDMI light is always on to indicate there is a signal. The button light is off or flashing to indicate there is no signal.)



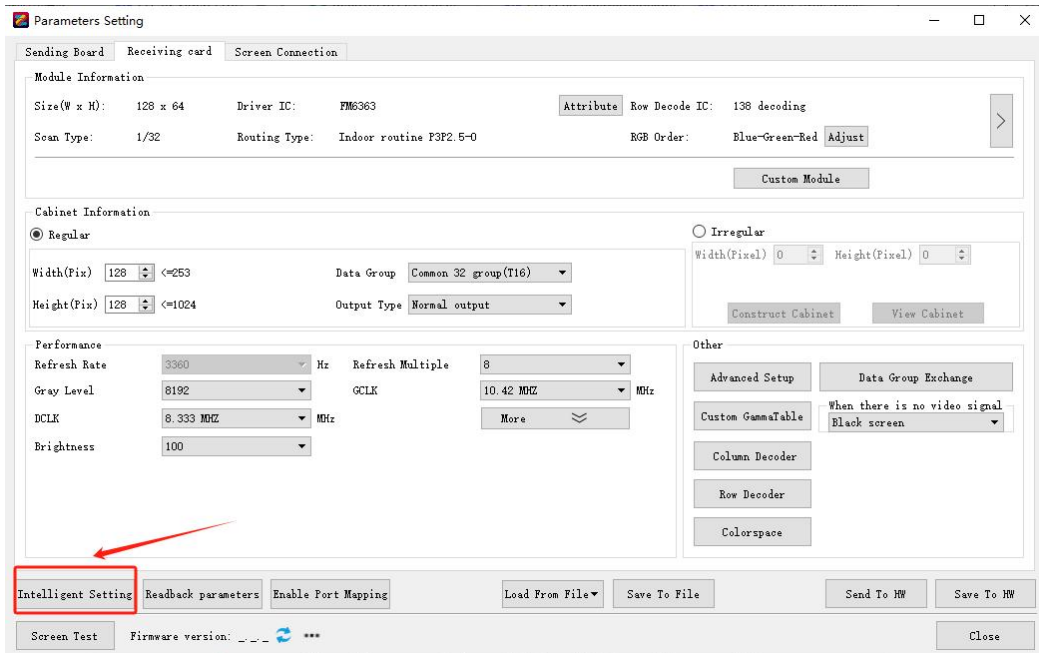
6. Click "Receiving Card" to enter its interface. If the unit board information is known, you can directly click "Load from File" --- "Preset Parameters" (Ctrl+F) to debug, then set its "Height" and "Width", click "Send to Hardware" and "Save to Hardware". (Also you can also use "Intelligent Settings" to debug)

Note: The preset parameter needs to be obtained by the computer link with internet, or it can be used after downloading the offline file in advance.





ZH LED Display Control System



7. Click "Screen Connection" to enter its interface --- choose "Receiving Card Count"--- set the number of "columns" and "Row" of the card. Select the corresponding "Netport number" to connect the receiving card in right order. Then set each receiving card in "width" and "height", after the configuration is completed, click "Send to the HW", after the screen is displayed normally click "Save to the HW" to complete the debugging.

(When connecting the receiving card, the LED display and the computer screen both in the same direction on the front side, just distinguish between up and down, left and right is ok).

