

Manual

Description:

Model: T.RD8503.03

Tuner: RDA5160

Scheme of the chip: 8503

TV Format: Analog Signal

Support Language: Russian, English, Hindi, Simplified Chinese, Khmer, Vietnamese, Myanmar, French, German, Italian, Spanish.

Input Interface: PC / HDMI / TV / AV / USB multimedia playing

Power Adapter: DC 12V 3-5A

Screen interface: LVDS Single 6 / 8 , Double 6 / 8

Screen voltage: 3.3V / 5V / 12V (Jump cap)

Resolution: Support high screen 1920 * 1080, 8.9-42 inch LVDS screen (support most of the panels, but not all)

Not only USB interface can be used to upgrade programs, but also can use to play video/music/photo, basically, formats are supported. You can also set a boot display pictures or LOGO and Mirror Enable.

How to know if your panel suitable for this board?

Step 1: Find your LCD model's resolution (you can check the resolution from this link: <http://www.panelook.com/index.php>)

Step 2: Find and write in the corresponding firmware.

You can download the firmware from

here: <http://myosuploads3.banggood.com/products/20181221/20181221022350DANGKOURR52C04A.rar>

Programming:








1. Put the firmware of "SKR8503_100.bin" in formatted USB flash disk(FAT32), then insert the USB disk and the 7KEY-Button to the board
2. After turn on the power, the light of the 7key button be Red then flash red faster. IT KEEPS flashing and NEVER STOP. it's normal, just wait about 1 minute, it means upgrade has finished. then power off and pull off the u-disk. (Note that write programs do not power outages, crashing won't be able to use)

Note:

The IR & KEY definition is special and different between v29 v56 v59 and 3463A, pls notice and don't mix up.

This kit is just for signal interface is 2ch 8 bit 30 pins and without 4pcs ccfl inverter

If you are not sure, pls provide your lcd panel model number to us so we can help you, thanks

OVERVIEW		SPECS		STOCKS		RFQS		SUPPLIERS	
AUO M215HW01 V0 General Features								View: 26	
		 							
Brand	AUO		Resolution		Model	M215HW01 V0			
Diagonal Size	21.5 inch				Type	a-Si TFT-LCD , LCM			
Pixel Format	1920(RGB)×1080 [FHD]				Configuration	RGB Vertical Stripe			
Active Area	476.64(H)×268.11(V) mm				Outline Dim.	495.6(H)×292.2(V) ×16.85(D) mm			
Bezel Area	479.84(H)×271.3(V) mm				Treatment	Antiglare, Hard coating (3H)			
Luminance	300 cd/m² (Typ.)				Contrast Ratio	1000:1 (Typ.) (TM)			
View Direction	6 o'clock				Response Time	3.8/1.2 (Typ.)(Tr/Td)			
Viewing Angle	85/85/80/80 (Typ.)(CR≥10) ?				Operating Mode	TN, Normally White, Transmissive ?			
Support Color	16.7M 72% (CIE1931)				Light Source	CCFL [4 pcs] , 50K hours , W/O Driver			
Weight	2.19Kgs (Typ.)				Designed For				
Frame Rate	60Hz ?				Touch Panel	Without			
Interface Type	30 pins LVDS (2 ch, 8-bit) , Connector				4pcs ccfl inverter				
Power Supply	5.0V (Typ.)				2ch 8-bit 30pins lvds cable				
Environment	Operating Temperature: 0 ~ 50 °C ; Storage Temperature: -20 ~ 60 °C				panel input voltage: 5v(jump cap to 5v)				

Support Resolution

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Product Photo

T.RD8503.03 Full Kit For HD Panel



Remote



IR



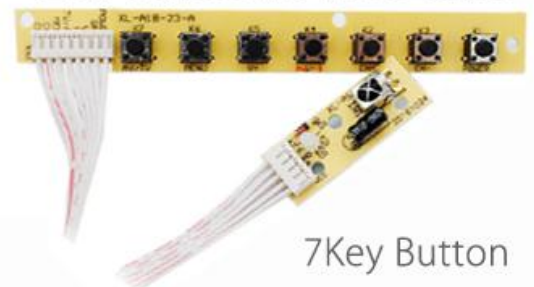
Controller



4 Pcs CCFL Inverter

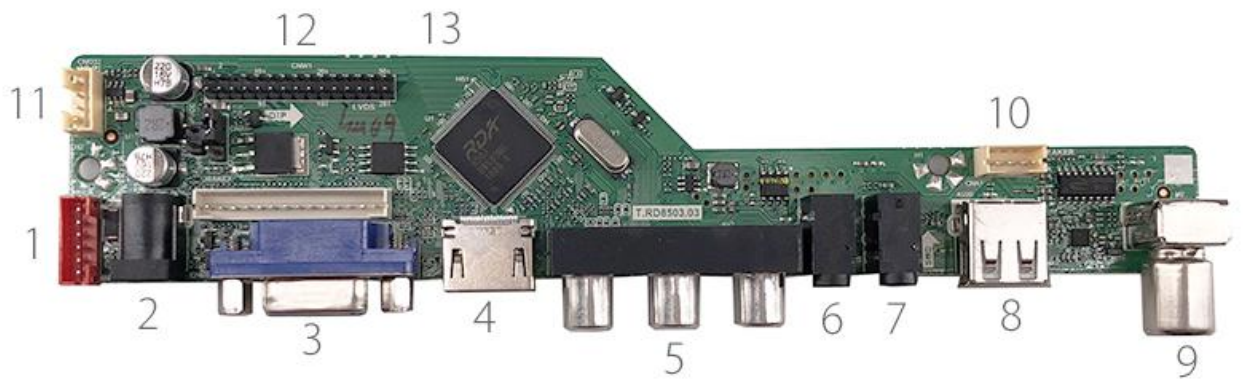


2Ch 8Bit 30Pins LVDS Cable



7Key Button

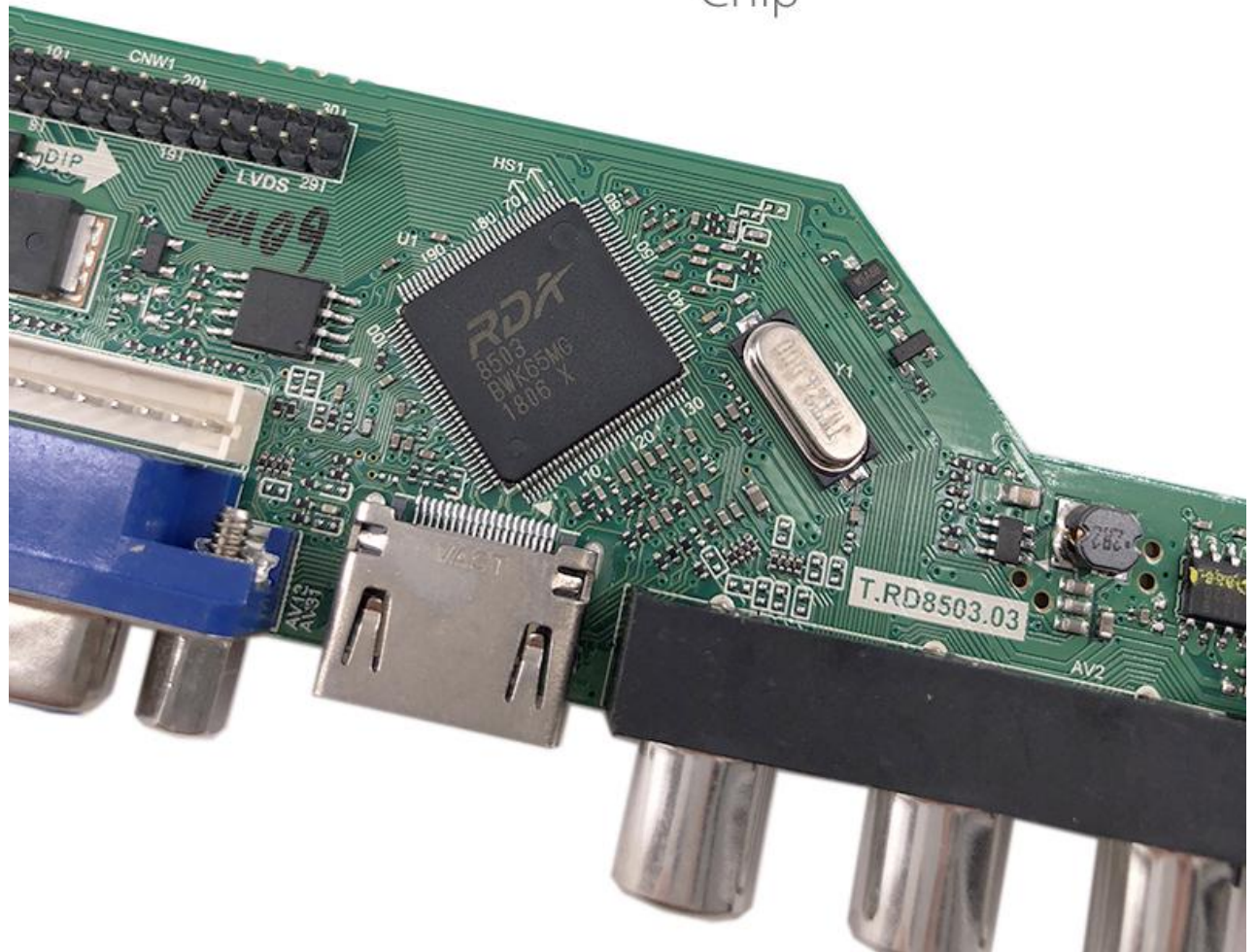
Interface List



- 1. Inverter
- 2. DC 12V
- 3. VGA IN
- 4. HDMI IN
- 5. AV IN
- 6. PC AUDIO IN
- 7. Earphone
- 8. USB
- 9. RF

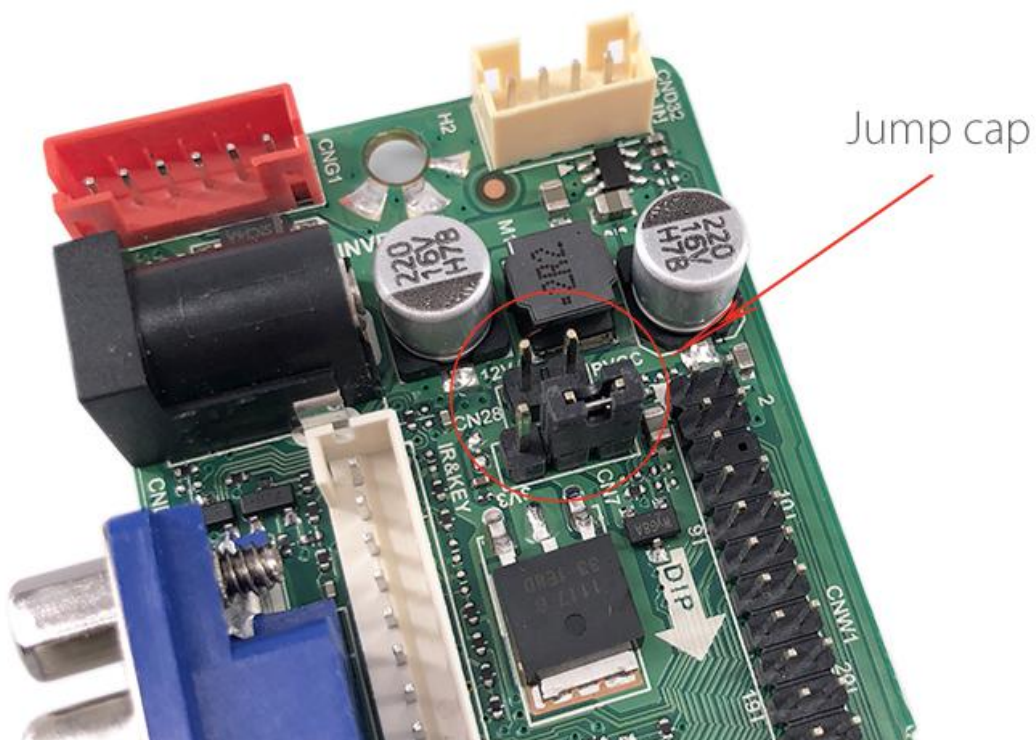
- 10. Speaker
- 11. DC IN
- 12. LVDS
- 13. IR+KEY

Chip



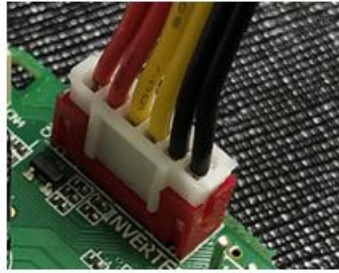


Panel input Voltage: Factory default on 5V
 Pls jump cap to the correct place for your panel.

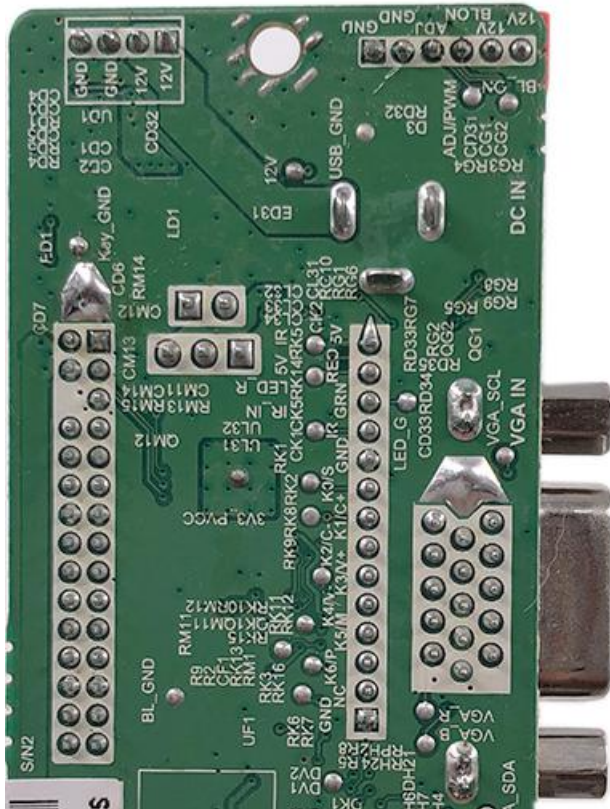


Inverter Parameters:

12V-Red
12V-Red
BL_ON
ADJ/PWM
GND-Black
GND-Black



Pls don't mix up when connection.

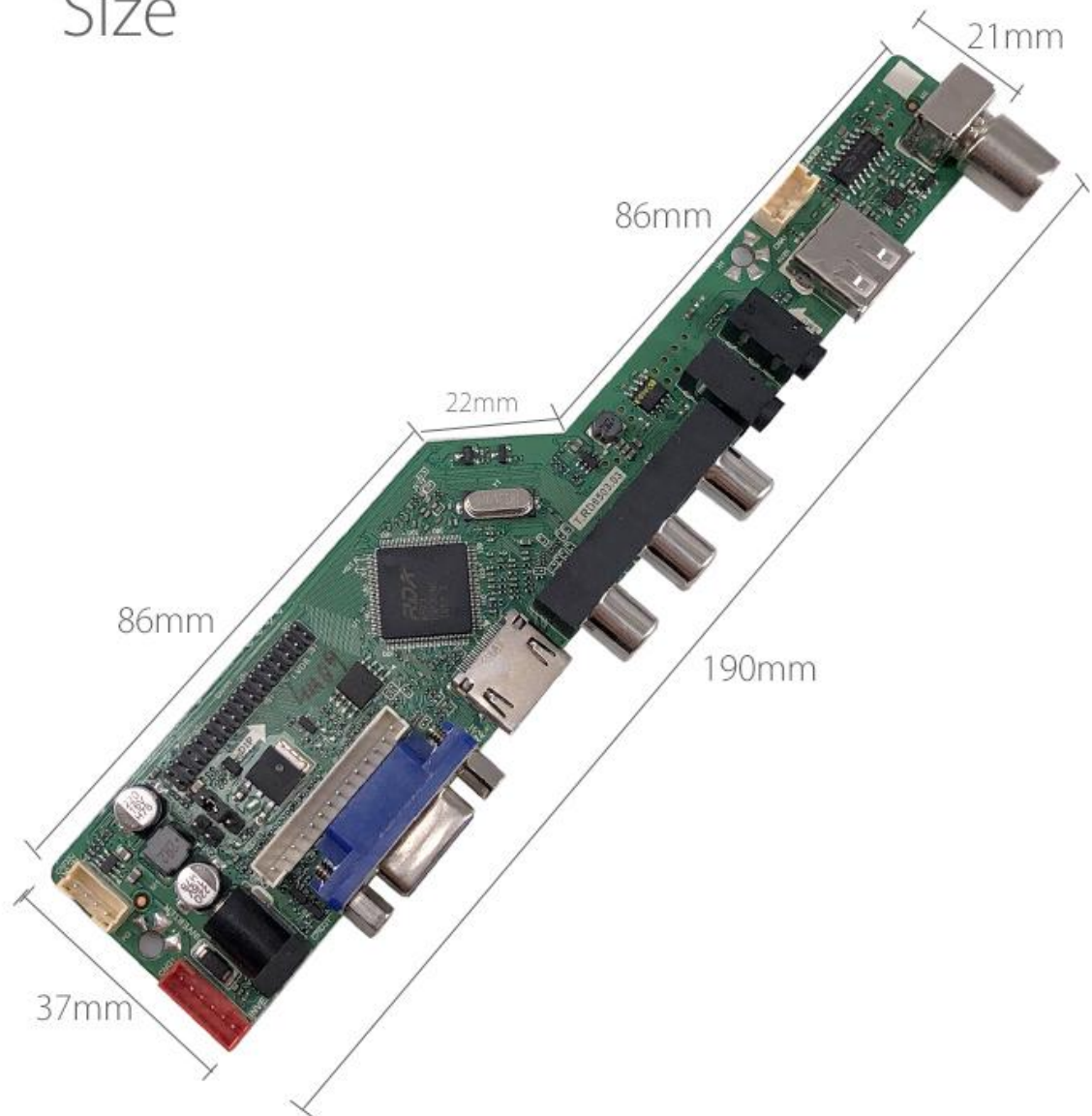


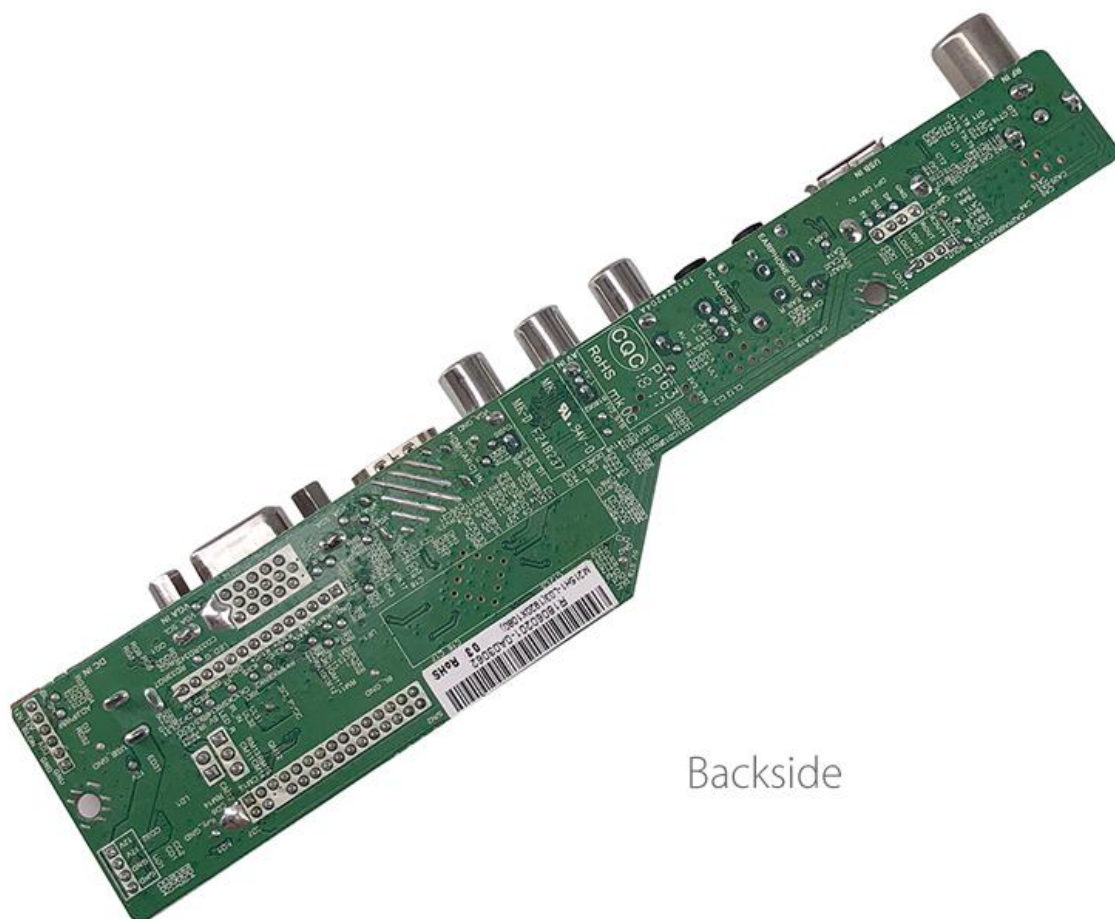
IR+KEY Datasheet

5V_IR
Red
Green
IR IN
GND
K0/S=Signal
K1/C+=CH+
K2/C-=CH-
K3/V+=VOL+
K4/V-=VOL-
K5/M=MENU
K6/P
K7=NC
GND



Size

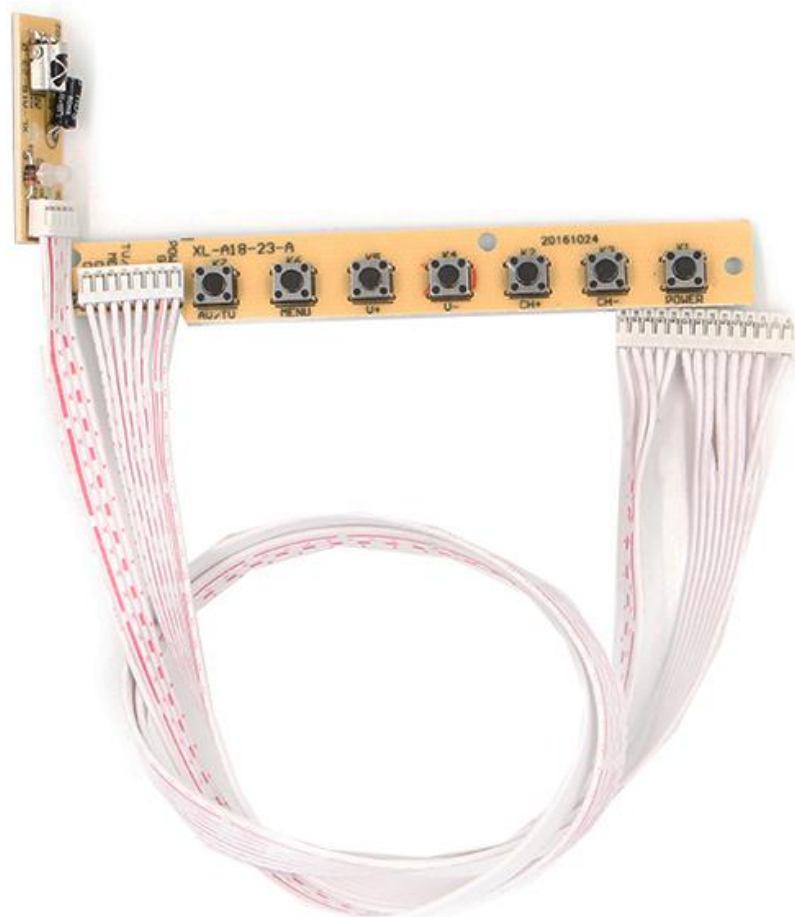




Backside



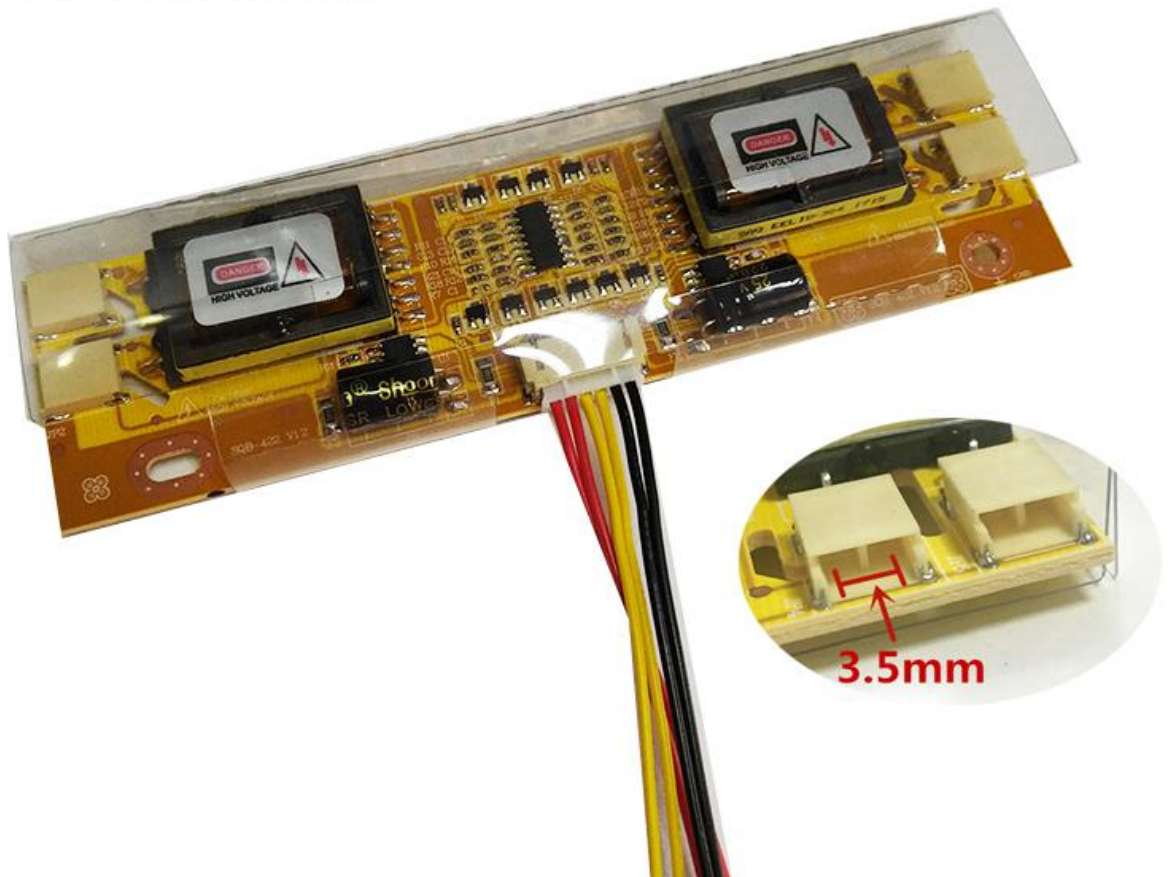
7 Key Button



2 Ch 8-Bit 30Pins
Length: 250mm



Lamp Amount: 4 Pcs
Pins: 2 Pins
Pin Pitch: 3.5mm



How to change the default language Chinese to other languages

无频道

请搜台

How to change language

1. The board defaults Chinese

2. Press "MENU"



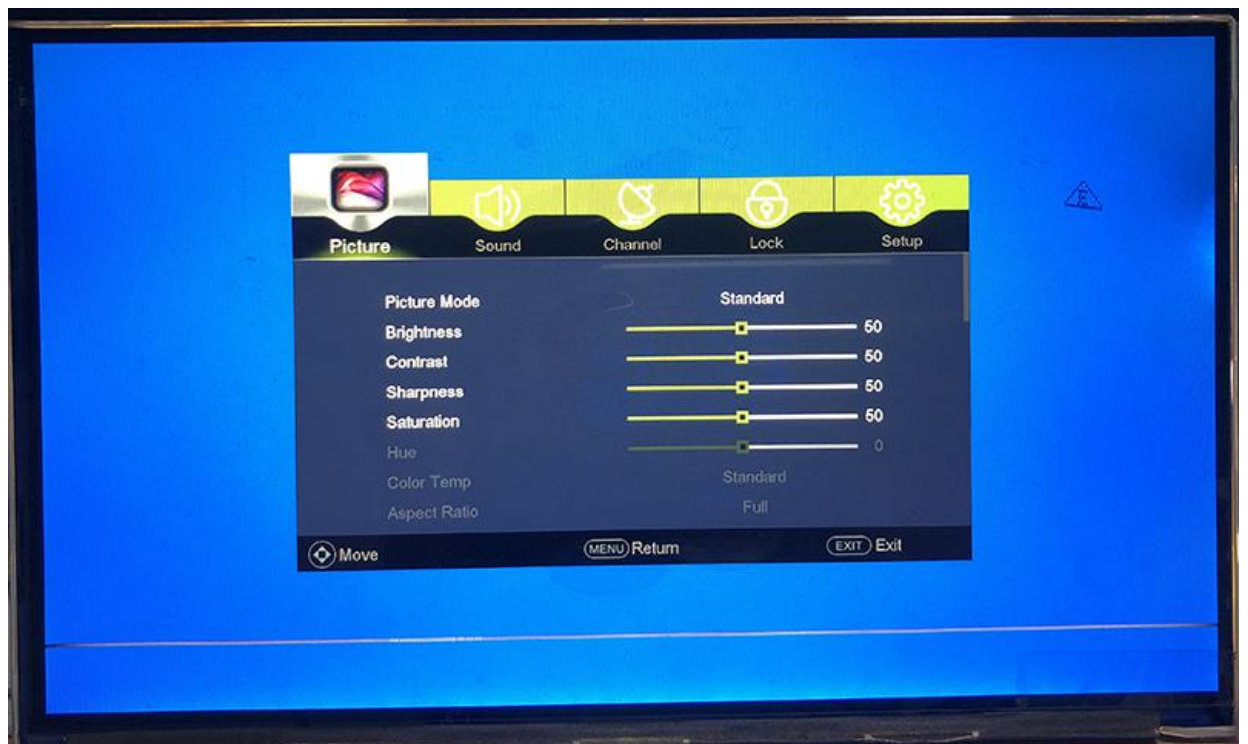
3. Press "right" 4 times, you will see as below:
press "Down" then press "left" or "right" to choose language



4. For example, English



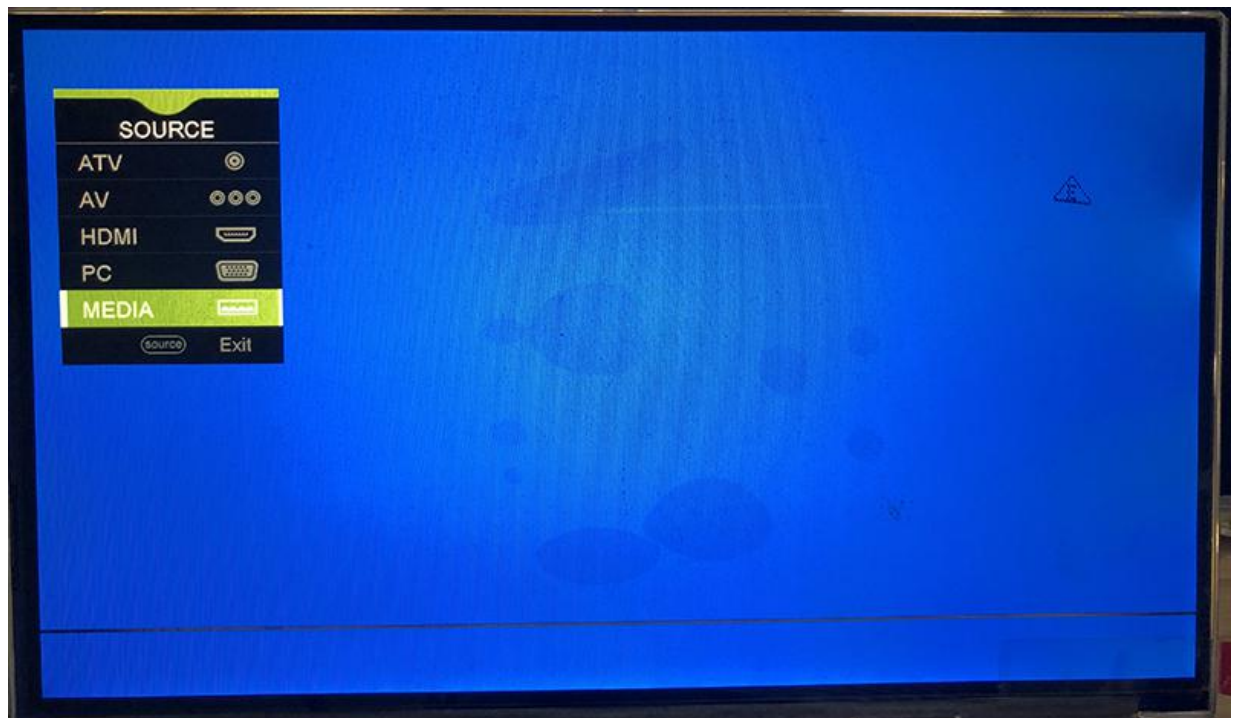
Press Menu (for example: English)



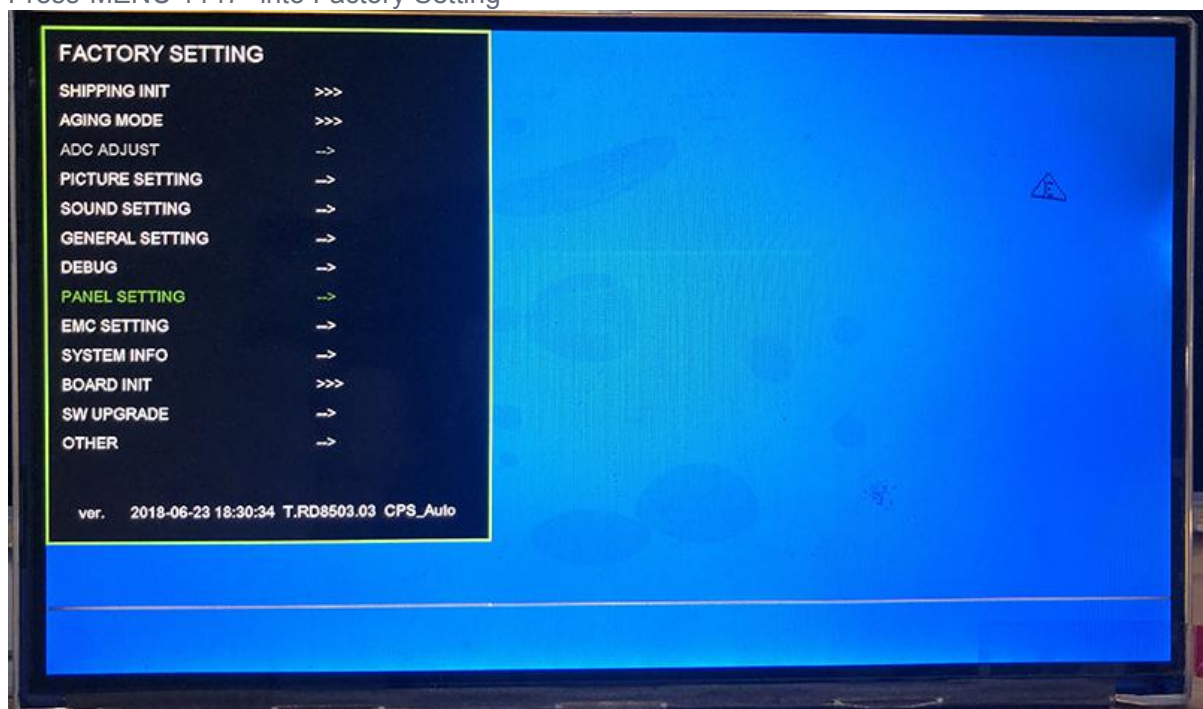
SUPPORT LANGUAGE



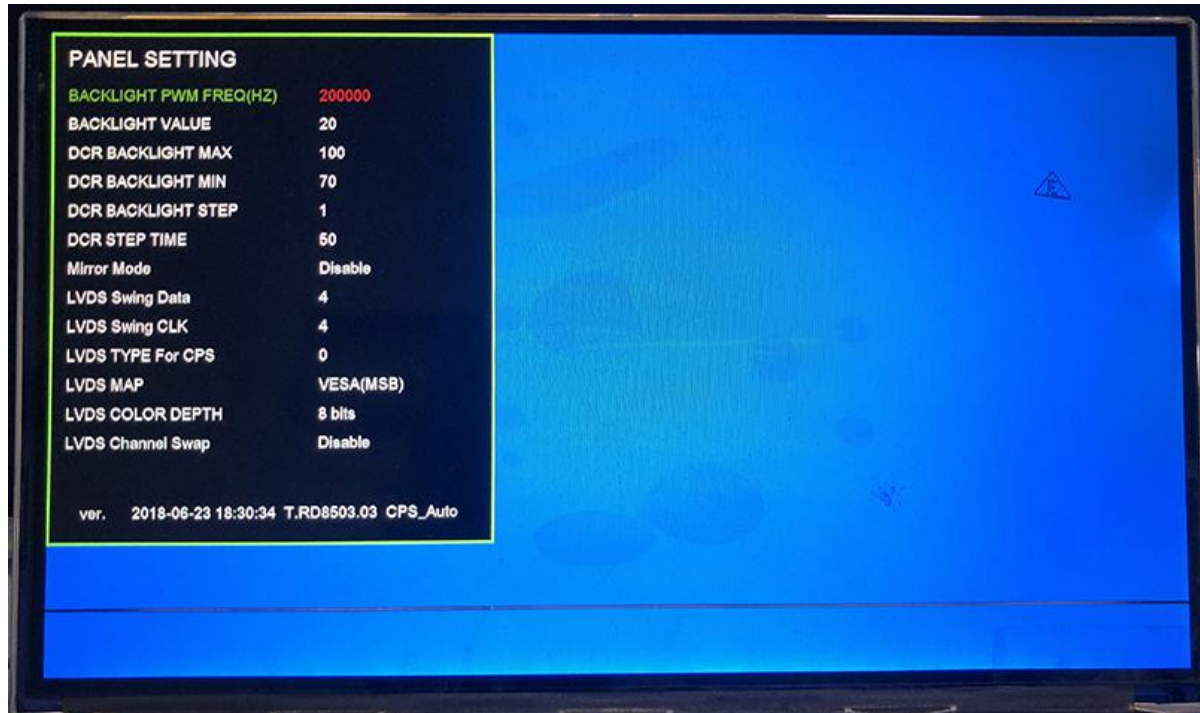
Input Source



Press "MENU 1147" into Factory Setting

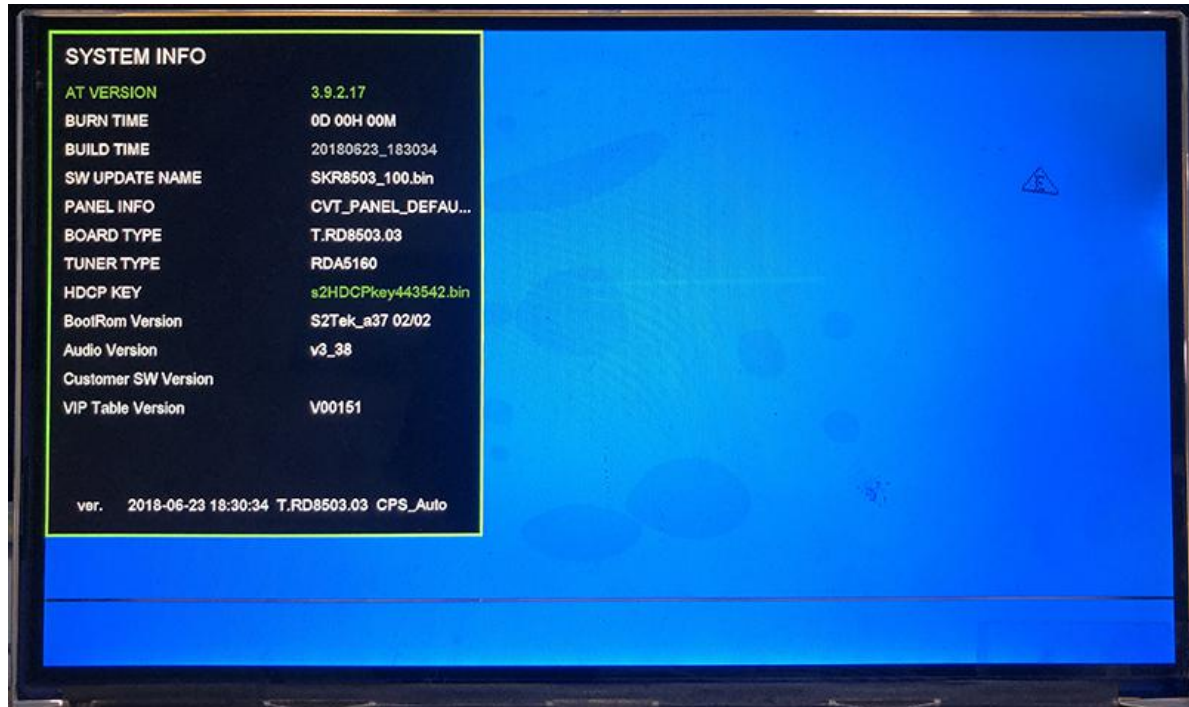


Panel Setting

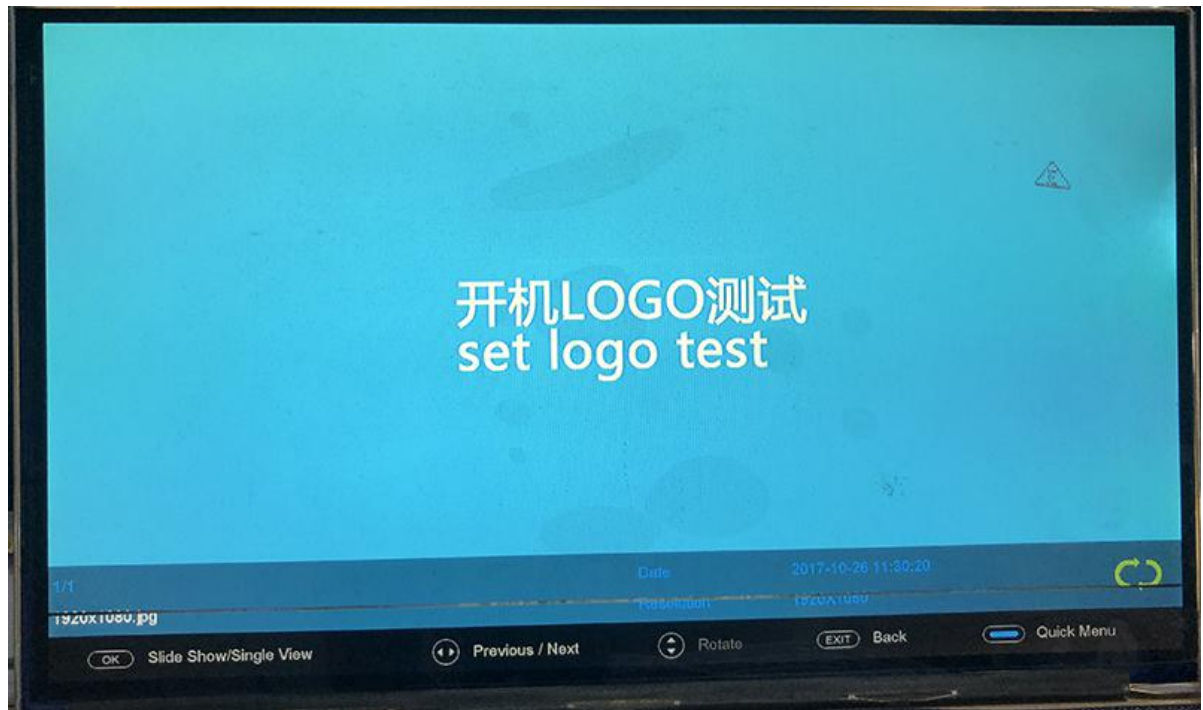


If your lcd display color is very bad, you can adjust the lvds parameters until the display is ok. you can also set mirror enable.

System Info



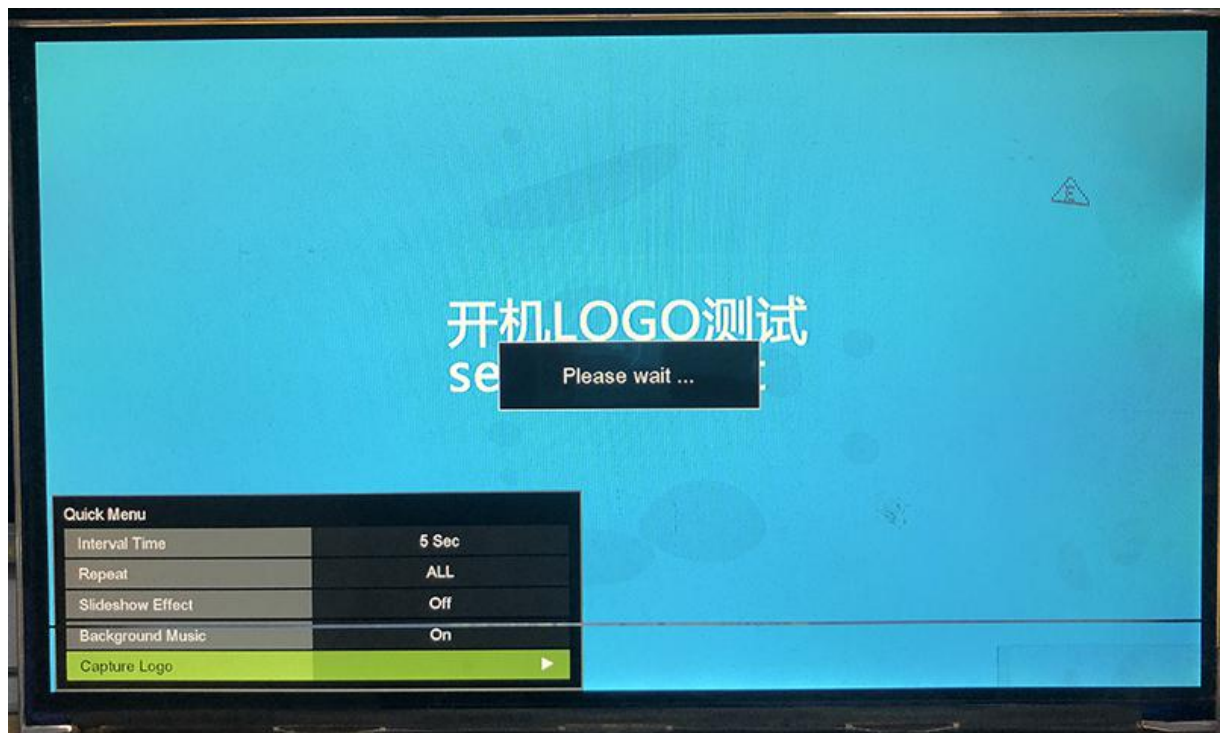
Set boot logo



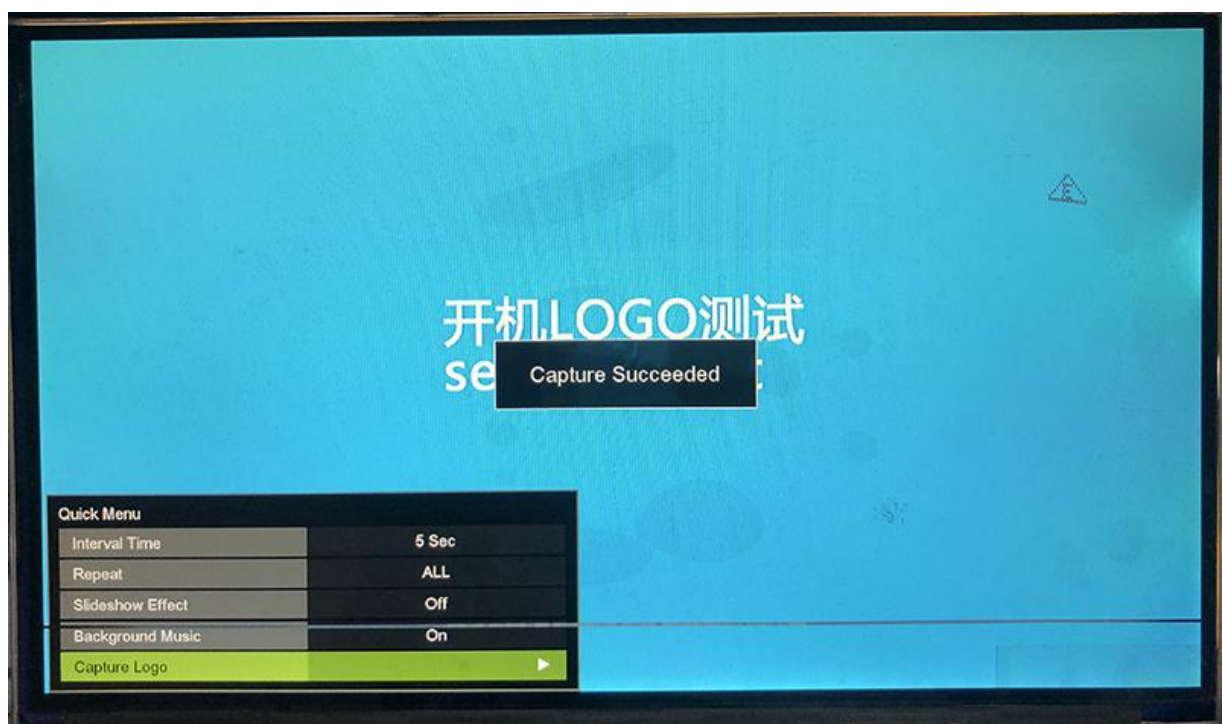
Press "input" choose "media" - "photo" choose the photo you need (same resolution as your lcd)



Press "LANG" on remote, choose "capture logo"



Press" right button" and wait



Capture succeeded

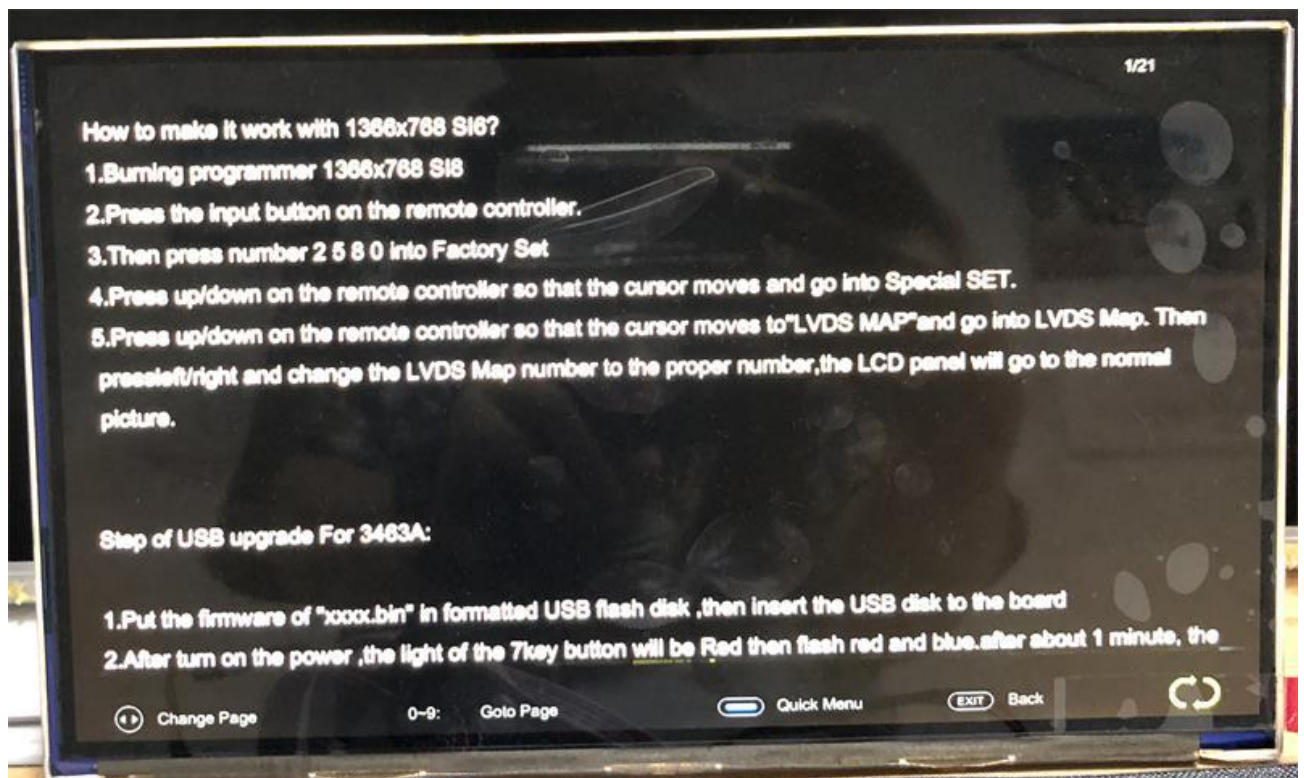
Play Video via USB port



Play Music



Play text



Connection Photo (just for reference)

