

YHNNH TP.SK108.PB801

YHNNH TP.SK108.PB801 Universal TV Motherboard Drive Board User Manual

1. INTRODUCTION

The YHNNH TP.SK108.PB801 is a universal TV motherboard drive board designed for integration into various display equipment. This board serves as the central processing unit for a television, managing video input, audio output, and overall system control. It is compatible with both 32W and 45W power configurations, operating within a voltage range of 35-59V.

This manual provides essential information for the proper installation, operation, and maintenance of your TP.SK108.PB801 motherboard. Please read it thoroughly before attempting any installation or use.

2. FEATURES

- **Ample Memory Chips:** Equipped with sufficient memory to store user-personalized settings, applications, and cache data, supporting rich smart TV functionalities.
- **Efficient Heat Dissipation:** Features a reasonable circuit layout and heat dissipation structure to prevent overheating and ensure stable, long-term operation, even during extended use.
- **Professional Image Processing:** Integrates a dedicated image processing module to enhance contrast, clarity, and color saturation, delivering an improved visual experience.
- **High Compatibility:** Utilizes highly compatible electronic components, ensuring adaptability with various TV screens and power strips, simplifying maintenance and reducing replacement costs.
- **Multiple HDMI Inputs:** Includes three HDMI ports for versatile connectivity with external devices.

3. SETUP AND INSTALLATION

Important: Installation of a TV motherboard requires technical expertise. It is highly recommended that installation be performed by a qualified technician to avoid damage to the board or the television.

3.1 Safety Precautions

- Always disconnect the TV from the power source before beginning any installation or maintenance.
- Wear anti-static gloves or use an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to

sensitive electronic components.

- Handle the motherboard by its edges to avoid touching components directly.

3.2 Physical Installation

1. Carefully remove the existing motherboard from the television chassis, noting all cable connections.
2. Align the TP.SK108.PB801 board with the mounting points within the TV chassis.
3. Secure the board using appropriate screws, ensuring it is firmly seated and not loose.

3.3 Cable Connections

Connect all necessary cables to the corresponding ports on the motherboard. These typically include:

- **Power Supply:** Connect the power cable from the TV's power supply unit to the designated power input on the motherboard. Ensure the power supply matches the board's requirements (32W or 45W, 35-59V).
- **Display Panel:** Connect the LVDS cable (or similar display interface cable) from the TV panel to the motherboard.
- **Backlight:** Connect the backlight power cable.
- **Input Ports:** Connect external input cables such as HDMI, VGA, RF IN, and AV IN as needed.
- **Audio Output:** Connect internal speakers or external audio systems to the speaker output or earphone out ports.
- **USB Ports:** These are for connecting USB devices.



Figure 1: Front view of the TP.SK108.PB801 motherboard with visible ports.

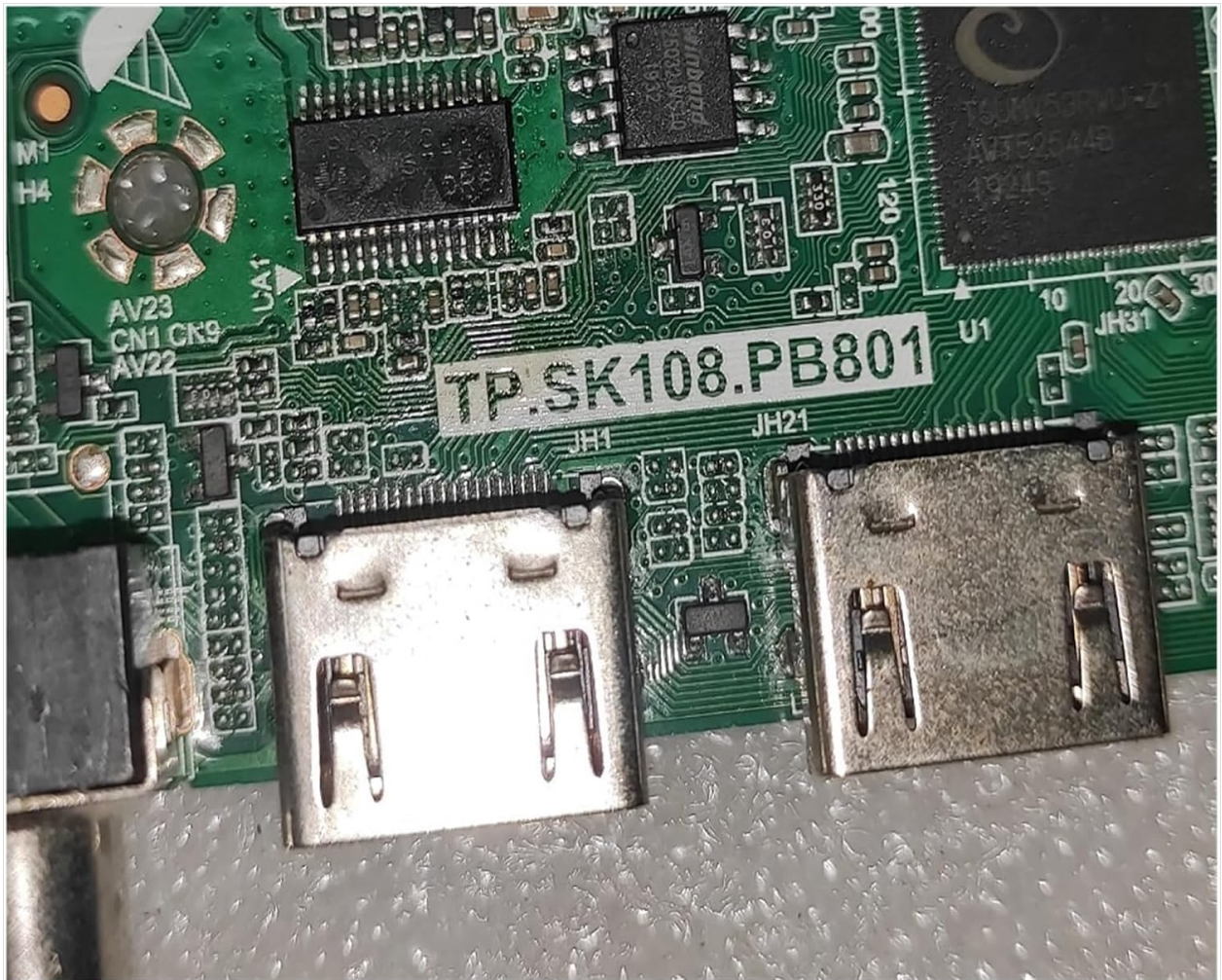


Figure 2: Detail of the TP.SK108.PB801 model number and HDMI ports.



Figure 3: Rear view of the TP.SK108.PB801 motherboard.

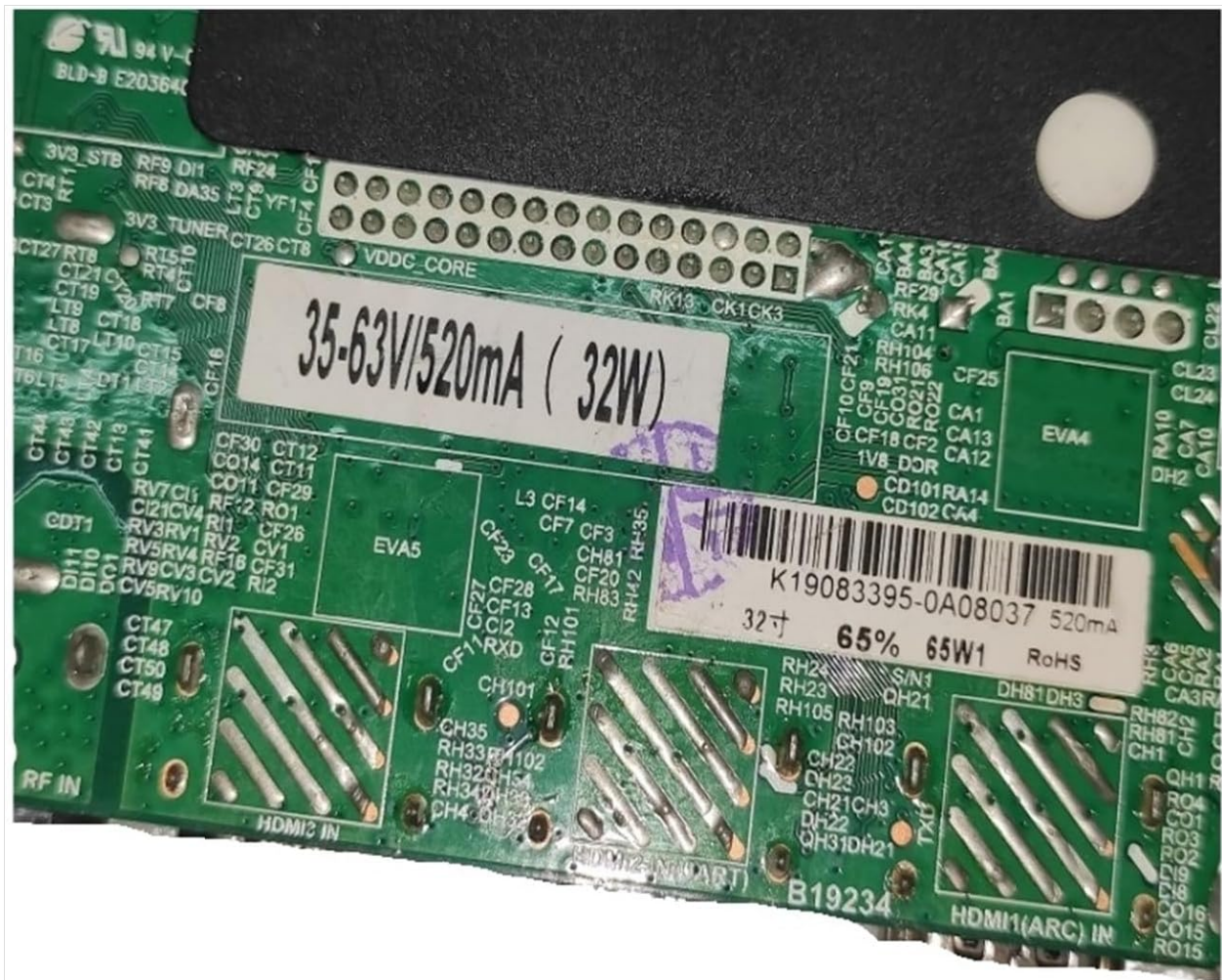


Figure 4: Power specification details on the motherboard.

4. OPERATING INSTRUCTIONS

Once the TP.SK108.PB801 motherboard is correctly installed and all connections are secure, the television can be powered on. The operation of the TV will largely depend on the specific TV model and its remote control.

- **Power On/Off:** Use the TV's power button or remote control to turn the television on or off.
- **Input Selection:** Use the 'Input' or 'Source' button on your TV remote to switch between connected devices (e.g., HDMI 1, HDMI 2, VGA, AV).
- **USB Media Playback:** Insert a USB drive into the USB port to access compatible media files (photos, videos, music) through the TV's media player interface.
- **Menu Navigation:** Use the TV remote to navigate through the on-screen display (OSD) menu for picture settings, sound settings, channel scanning, and other system configurations.

5. MAINTENANCE

The TP.SK108.PB801 motherboard is designed for durability and stable performance. Regular maintenance is generally not required for the board itself, but adhering to general electronic device care practices will prolong its lifespan.

- **Keep Clean:** Ensure the TV's interior remains free from dust and debris, which can impede heat dissipation. Use compressed air to gently clean vents if accessible.
- **Avoid Moisture:** Protect the television from liquids and high humidity environments.

- **Proper Ventilation:** Ensure the TV has adequate airflow around its vents to prevent overheating.
- **Power Surges:** Consider using a surge protector to safeguard against electrical fluctuations.

6. TROUBLESHOOTING

If you encounter issues with your television after installing the TP.SK108.PB801 motherboard, refer to the following common troubleshooting steps. For complex problems, professional assistance is recommended.

6.1 No Power

- Check if the TV's power cord is securely plugged into a working electrical outlet.
- Verify that the power cable connecting the TV's power supply to the motherboard is correctly seated.
- Ensure the power supply unit is functioning correctly and providing the required voltage (35-59V) and wattage (32W or 45W).

6.2 No Signal / Blank Screen

- Confirm that the input source on the TV matches the device you are trying to view (e.g., HDMI 1 for a device connected to HDMI 1 port).
- Check all video cables (HDMI, VGA, AV) for secure connections at both the TV and the source device.
- Test with a different source device or cable to rule out external equipment issues.

6.3 Distorted Image / Incorrect Colors

- Check the LVDS cable connection between the motherboard and the display panel for proper seating.
- Ensure the video source is outputting a compatible signal.
- Reset picture settings to default via the TV's OSD menu.

6.4 No Sound

- Verify that the TV's volume is not muted and is turned up.
- Check the audio cable connections if using external speakers.
- Ensure the audio settings in the TV's OSD menu are correctly configured.

7. SPECIFICATIONS

Model Number	TP.SK108.PB801
Brand	YHNNH
Manufacturer	Lijial
Power Output	32W or 45W
Voltage Range	35-63V
HDMI Ports	3
Other Input/Output Ports	VGA, USB, RF IN, AV IN, Earphone Out, Speaker Out
Compatible Equipment Style	Display Equipment

8. WARRANTY AND SUPPORT

Specific warranty information for the YHNNH TP.SK108.PB801 motherboard is not provided in this manual. Please refer to the product packaging, your purchase receipt, or contact the seller or manufacturer directly for details regarding warranty coverage and technical support.

For technical assistance or inquiries, it is recommended to contact the point of purchase or the manufacturer, YHNNH, through their official support channels.