

Xqscvqwfa TP.V56.PB816, SKR.816, TP.RD8503.PB816

Xqscvqwfa Universal LCD TV Motherboard Instruction Manual

Models: TP.V56.PB816, SKR.816, TP.RD8503.PB816
For 1366x768 Resolution Displays

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Xqscvqwfa Universal LCD TV Motherboard. This versatile driver board is designed to replace or upgrade existing TV main boards, supporting high-definition displays with 1366x768 resolution. Please read this manual thoroughly before proceeding with installation or operation to ensure proper functionality and safety.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent damage to the product or personal injury:

- **Power Disconnection:** Always disconnect the power supply from the TV and the motherboard before installation, removal, or any maintenance procedures.
- **Static Electricity:** Electronic components are sensitive to static electricity. Use anti-static precautions (e.g., anti-static wrist strap) when handling the motherboard.
- **Professional Installation:** If you are not experienced with electronics or TV repair, seek assistance from a qualified technician.
- **Ventilation:** Ensure adequate ventilation around the installed motherboard to prevent overheating.
- **Liquid Contact:** Keep the motherboard away from liquids and moisture.
- **Component Integrity:** Do not attempt to modify or repair damaged components on the board.

3. PRODUCT OVERVIEW

The Xqscvqwfa Universal LCD TV Motherboard (Models: TP.V56.PB816, SKR.816, TP.RD8503.PB816) is a three-in-one solution integrating power supply, main board, and LED driver functions. It offers system stability, high-definition support, and includes anti-static and overvoltage protection.



Figure 3.1: Xqscvqwfa Universal LCD TV Motherboard and Remote Control. This image displays the Xqscvqwfa universal LCD TV motherboard alongside its accompanying remote control. The motherboard features various ports and components, including power input, video inputs, and a connector for the LCD panel. Key areas such as "HOT" and "COLD" sections are visible, indicating thermal zones. The remote control provides standard functions for TV operation, including number keys, volume, channel, and menu navigation.

Key Features:

- Integrated design for simplified installation.
- Supports 1366x768 resolution LCD panels.
- Multiple input interfaces (e.g., HDMI, VGA, AV, USB).
- Built-in anti-static and overvoltage protection.
- Stable system performance.

4. SETUP

The installation process requires careful attention to connections. Ensure all power is disconnected before beginning.

Installation Steps:

1. **Prepare the TV:** Carefully open the back panel of your TV to access the internal components. Identify the existing motherboard and its connections.
2. **Remove Old Board (if applicable):** Disconnect all cables from the old motherboard, noting their positions. Remove any mounting screws and carefully lift out the old board.
3. **Mount New Board:** Position the Xqscvqwfa universal motherboard in the TV chassis. Secure it with appropriate screws, ensuring it is firmly seated and not shorting against any metal parts.
4. **Connect LVDS Cable:** Connect the LVDS (Low-Voltage Differential Signaling) cable from the LCD panel to the LVDS connector on the new motherboard. Ensure the orientation is correct to avoid damage. The LVDS connector is typically labeled "LVDS" on the board.
5. **Connect Backlight Cable:** Connect the backlight power cable from the LCD panel to the corresponding connector on the motherboard.
6. **Connect Input/Output Cables:** Reconnect all necessary input/output cables, such as HDMI, VGA, AV, and USB, to their respective ports on the new motherboard.
7. **Connect Power Supply:** Connect the main power supply cable to the motherboard.
8. **Initial Power-Up:** Before fully reassembling the TV, connect the power cord and briefly power on the TV to check for basic functionality (e.g., backlight, on-screen display). If issues arise, immediately disconnect power and recheck connections.
9. **Final Assembly:** Once basic functionality is confirmed, disconnect power, reassemble the TV back panel, and secure all screws.

Note: The "DIP" switch visible on the board may be used for specific panel configurations. Refer to advanced documentation or consult technical support if panel compatibility issues arise after installation.

5. OPERATING INSTRUCTIONS

After successful installation, operate the TV using the provided remote control.

Remote Control Functions:

- **Power Button:** Turns the TV on or off.
- **Number Buttons (0-9):** Directly select channels.
- **Input/Source Button:** Cycles through available input sources (HDMI, VGA, AV, USB).
- **Volume Up/Down (+/-):** Adjusts the audio volume.
- **Channel Up/Down (CH+/-):** Changes TV channels.
- **Menu Button:** Accesses the on-screen display (OSD) menu for settings adjustments.
- **Navigation Buttons (Arrows):** Navigate through menu options.
- **OK/Enter Button:** Confirms selections in the menu.
- **Exit/Back Button:** Exits the current menu or returns to the previous screen.

Basic Operation:

1. **Power On:** Press the Power button on the remote control.
2. **Select Input:** Press the Input/Source button repeatedly to select the desired input source (e.g., HDMI for a media player, VGA for a computer).
3. **Adjust Settings:** Press the Menu button to open the OSD. Use the navigation arrows to browse options like Picture Settings, Sound Settings, Channel Scan, and Time Settings. Press OK to enter a sub-menu or confirm a selection.
4. **Channel Scan:** If using an antenna, navigate to the Channel menu and select "Auto Scan" to find available channels.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your motherboard.

- **Cleaning:** Periodically clean the TV's interior (with power disconnected) to remove dust accumulation, which can hinder cooling and cause component failure. Use compressed air or a soft brush.
- **Ventilation:** Ensure the TV's ventilation openings are not blocked.
- **Environmental Conditions:** Operate the TV in a dry, well-ventilated environment, away from extreme temperatures and direct sunlight.
- **Power Surges:** Consider using a surge protector to safeguard against electrical spikes, despite the board's built-in overvoltage protection.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Power cable loose; faulty power supply; board not receiving power.	Check power cable connection. Ensure wall outlet is functional. Verify power supply unit is working. Recheck power connections to the motherboard.
No Signal / Blank Screen	Incorrect input source selected; loose LVDS cable; faulty input device.	Press the Input/Source button on the remote to cycle through inputs. Recheck LVDS cable connection to the LCD panel. Test with a different input device.
Distorted Image / Incorrect Colors	Loose LVDS cable; incorrect panel settings (DIP switch).	Ensure LVDS cable is securely connected and correctly oriented. If issues persist, consult technical support regarding panel configuration settings.
Remote Control Not Working	Dead batteries; obstructed sensor; remote not paired (if applicable).	Replace remote control batteries. Ensure no obstructions between remote and TV's IR sensor.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Brand: Xqscvqwfa

Model Numbers: TP.V56.PB816, SKR.816, TP.RD8503.PB816

Supported Resolution: 1366x768

Type: Three-in-one LCD TV Motherboard (Main Board, Power Supply, LED Driver)

Key Features: Easy installation, system stability, high definition support, anti-static and overvoltage protection.

Item Weight: Approximately 50 Grams

9. WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty inquiries, please contact the seller or manufacturer directly. The manufacturer has over 20 years of experience in TV motherboards and is available for consultation.

Please refer to your purchase documentation for specific warranty terms and contact information.

ASK A QUESTION ABOUT THIS MANUAL

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