

V29

Generic V29 LCD TV Motherboard User Manual

Model: V29 (DS V53RLBK)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Generic V29 LCD TV Motherboard. This versatile board is designed to support a wide range of LCD panels from 7 to 55 inches, making it suitable for various television and display applications. Please read this manual thoroughly before attempting any installation or operation to ensure proper functionality and safety.

2. SAFETY INFORMATION

- Always disconnect power before installing or removing the motherboard or any connected components.
- Handle the motherboard by its edges to avoid touching sensitive components and static discharge.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage.
- Do not expose the board to moisture or extreme temperatures.
- If you are unsure about any installation step, consult a qualified technician.

3. PRODUCT OVERVIEW

The Generic V29 LCD TV Motherboard (internal model DS V53RLBK) is a compact and powerful solution for driving LCD panels. It integrates essential functionalities for a television, including video processing, audio output, and various input interfaces.

3.1. Key Components and Ports

The motherboard features a range of input/output ports and internal connectors to facilitate its integration into a display system.



This image displays the top side of the V29 LCD TV Motherboard (serial number 53RLBK118111408268), highlighting its input/output ports including HDMI, VGA, AV In, USB, and antenna input. Key chips and connectors are also visible, such as the main processor and various power regulation components.

- **HDMI Port:** For high-definition digital video and audio input.
- **VGA Port:** For analog video input from computers.
- **AV In (RCA):** For standard definition analog video and stereo audio input.
- **USB Port:** For multimedia playback and firmware updates.
- **Antenna Input (RF):** For connecting to terrestrial or cable TV signals.
- **LVDS Connector:** For connecting to the LCD panel.
- **Backlight Connector:** For connecting to the LCD panel's backlight.
- **Power Input:** Typically 12V DC.

4. SETUP AND INSTALLATION

4.1. Before You Begin

- Ensure you have the correct LVDS cable for your LCD panel.
- Verify the backlight voltage and current requirements of your panel.
- Prepare a clean, static-free workspace.

4.2. Installation Steps

1. **Connect LVDS Cable:** Carefully connect the LVDS cable from the motherboard to the LCD panel. Ensure the cable is oriented correctly.
2. **Connect Backlight Cable:** Connect the backlight cable from the motherboard to the LCD panel's backlight input.
3. **Connect Power Supply:** Connect a compatible 12V DC power adapter to the motherboard's power input.
4. **Connect Input Devices:** Connect your desired video sources (e.g., HDMI, VGA, AV) and antenna if applicable.
5. **Power On:** Plug in the power adapter. The board should power on, and the display should show a signal.

5. OPERATING INSTRUCTIONS

5.1. Initial Power-Up and Setup

Upon first power-up, the board may automatically detect the panel resolution. If not, you may need to enter the service menu to configure the correct LVDS settings for your specific panel. Refer to online resources or manufacturer support for service menu access and navigation specific to the V29 chipset.

5.2. Remote Control Operation

The V29 motherboard is designed to be controlled via an infrared remote control. A compatible remote (often included or sold separately) allows for easy navigation of menus, input selection, volume control, and channel changing.



This image shows the V29 LCD TV Motherboard next to a black remote control labeled 'LED TV'. The remote features numerical buttons, navigation keys (up, down, left, right, enter), volume, channel controls, and input selection, indicating the board's compatibility with remote operation for various functions.

- **Power Button:** Turns the display on/off.
- **Input Button:** Cycles through available input sources (HDMI, VGA, AV, TV).
- **Volume +/-:** Adjusts the audio volume.
- **Channel +/-:** Changes TV channels (if antenna connected).
- **Menu Button:** Accesses the on-screen display (OSD) menu for picture, sound, and general settings.
- **Navigation Buttons (Up/Down/Left/Right/Enter):** Used to navigate and select options within the OSD menu.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to gently wipe dust from the board. Do not use liquid cleaners.

- **Storage:** If storing the board, keep it in an anti-static bag in a cool, dry place.
- **Firmware Updates:** Periodically check for firmware updates from the manufacturer to improve performance or add features. Updates are typically performed via the USB port.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No picture on screen	Incorrect LVDS cable connection or panel settings. No power.	Check LVDS cable orientation. Verify panel resolution settings in service menu. Ensure power adapter is connected and functional.
No sound	Speakers not connected or faulty. Volume too low.	Check speaker connections. Increase volume. Test with different speakers.
Remote control not working	Batteries dead. IR sensor blocked. Incompatible remote.	Replace remote batteries. Clear any obstructions to the IR sensor. Ensure remote is compatible with V29 chipset.
Picture distorted or flickering	Loose LVDS connection. Incorrect panel timing.	Reseat LVDS cable. Adjust panel timing settings in service menu.

8. SPECIFICATIONS

Feature	Detail
Model	V29 (DS V53RLBK)
Supported Panel Size	7-55 Inch
CPU Socket	LGA 1200 (Note: This refers to the general form factor, not a CPU socket for this specific board)
Main Power Connector Type	24-Pin (Note: This refers to the general form factor, not a standard ATX 24-pin connector for this specific board)
Graphics Card Interface	PCI Express (Note: This refers to the general form factor, not a standard PCI-E slot for this specific board)
Platform	Not Machine Specific
Manufacturer	Ducduongshop
Date First Available	August 8, 2024

9. WARRANTY INFORMATION

This product is covered by the standard warranty provided by the seller or manufacturer at the time of purchase. Please retain your proof of purchase for any warranty claims. The warranty typically covers defects in materials and workmanship under normal use. Damage caused by improper installation, misuse, or unauthorized modifications is not covered.

10. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the seller or manufacturer directly through the platform where the product was purchased. Provide your order details and a clear description of the issue for prompt support.