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VBESTLIFE GTX550Ti 8GB

VBESTLIFE GTX550Ti 8GB Graphics Card User Manual

Model: GTX550Ti 8GB

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your VBESTLIFE GTX550Ti 8GB Graphics Card. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.



Image: The VBESTLIFE GTX550Ti 8GB Graphics Card, showing its dual-fan design and highlighting its GDDR5 8192MB 128-bit memory specifications.

The GTX550Ti 8GB graphics card is built around the GF116 core, featuring 1.17 billion transistors, 192 stream processors, and 32 texture units. It supports DirectX 11 API and CUDA 3.0. The card is equipped with 8192MB (8GB) of high-speed GDDR5 memory, operating on a 128-bit interface. Core frequency is 800MHz, shader frequency is 1600MHz,

and memory frequency is 3400MHz.



Image: An angled view of the graphics card, emphasizing the GF116 core, 192 integrated stream processors, 32 texture units, and support for DirectX 11 API and CUDA 3.0.

Output interfaces include High Definition Multimedia Interface (HDMI), VGA, and DVI, supporting various display modes, 3D stereo display, and multi-screen output.

Safety Information

- Always disconnect power from your computer before installing or removing any components.
- Handle the graphics card by its edges to avoid touching sensitive components.
- Use anti-static precautions (e.g., an anti-static wrist strap) to prevent electrostatic discharge (ESD) damage.
- Ensure proper ventilation within your computer case to prevent overheating.
- This product is for internal computer use only.

Package Contents

Verify that all items are present in the package:

- VBESTLIFE GTX550Ti 8GB Graphics Card
- Power Supply Line (adapter cable)
- CD ROM (for drivers)
- User Manual (this document)

Specifications

Feature	Specification
Graphics Card Type	GTX550Ti 8GB

Graphics Card Core	GF116
Memory Capacity	8192MB (8GB)
Memory Type	GDDR5
Memory Bit Width	128bit
Memory Frequency	3400MHz
Core Frequency	800MHz
Stream Processor Unit (SP)	192
Bus Interface	PCI Express 2.0
Maximum Resolution	2560x1600
DirectX Support	DirectX 11
Graphics Power Consumption	90W
External Power Supply	Yes
Recommended Power Source	300W
Graphics Card Cooling	Air Cooling (Dual Fan)
Output Interface	HDMI, VGA, DVI
Package Dimensions	10.91 x 6.06 x 2.4 inches
Item Weight	1.39 pounds
Model Number	VBESTLIFE958t1qhxo4-11

SETUP

1. Physical Installation

- 1. Prepare your computer:** Turn off your computer and disconnect the power cable. Open the computer case.
- 2. Locate a PCI Express slot:** Identify an available PCI Express 2.0 x16 slot on your motherboard.
- 3. Insert the graphics card:** Carefully align the graphics card with the PCI Express slot and press down firmly until it is securely seated. Ensure the retention clip (if present) locks into place.



Image: A detailed view of the PCI Express connector on the graphics card, which connects to the motherboard slot.

4. **Connect the power cable:** This graphics card requires an external power supply. Connect the provided power supply line (adapter cable) to the graphics card's power connector and to an available power connector from your power supply unit (PSU). A recommended PSU of 300W or higher is required.



Image: The graphics card shown with its external power supply cable connected, illustrating the necessary power connection.

5. **Secure the card:** Secure the graphics card to the computer case with screws if necessary.
6. **Close the case:** Replace the computer case cover and reconnect the power cable.

2. Driver Installation

1. **Power on:** Connect your monitor to the graphics card and power on your computer.
2. **Install drivers:** Insert the provided CD ROM into your computer's optical drive and follow the on-screen instructions to

install the graphics drivers. If an optical drive is not available, or for the latest drivers, visit the VBESTLIFE official website or the NVIDIA driver download page and search for drivers compatible with the GTX550Ti.

3. **Restart:** Restart your computer after the driver installation is complete.

OPERATING INSTRUCTIONS

Connecting Displays

The VBESTLIFE GTX550Ti 8GB Graphics Card supports multiple display outputs:

- **High Definition Multimedia Interface (HDMI):** For digital video and audio output.
- **VGA:** For analog video output.
- **DVI:** For digital video output.



Image: A close-up view of the graphics card's output panel, showing the HDMI, VGA, and DVI ports for connecting various display types.

Connect your monitor(s) to the appropriate port(s) on the graphics card. The card supports various types of head output modes, including 3D stereo display and multi-screen configurations.

Basic Usage

Once drivers are installed and your display is connected, the graphics card will automatically handle video output. You can adjust display settings (resolution, refresh rate, multi-monitor setup) through your operating system's display settings or the NVIDIA control panel (if installed with drivers).

Important Note: This graphics card is designed for light work and daily use. It is not intended for demanding games or applications that require high graphics processing power.

MAINTENANCE

- **Cleaning:** Periodically clean the fans and heatsink of the graphics card to prevent dust buildup, which can impede cooling performance. Use compressed air to gently remove dust. Ensure the computer is powered off and unplugged before cleaning.
- **Temperature Monitoring:** Monitor the graphics card's temperature during operation using system monitoring software

to ensure it stays within safe operating limits.

- **Driver Updates:** Keep your graphics drivers updated by regularly checking the manufacturer's website for new releases.

TROUBLESHOOTING

- **No Display Output:**

- Ensure the graphics card is fully seated in the PCI Express slot.
- Verify that the external power cable is securely connected to the graphics card and the PSU.
- Check that your monitor cable is correctly connected to the graphics card and the monitor is powered on and set to the correct input.
- Try connecting to a different display output port on the card.

- **Driver Issues / Poor Performance:**

- Ensure you have installed the correct drivers for your operating system.
- Uninstall any previous graphics drivers before installing new ones.
- **Windows 11 Incompatibility:** This graphics card may not be compatible with Windows 11 due to driver limitations, which can lead to abnormal operation. Consider using a compatible operating system.
- Remember that this card is intended for light use and may not perform well with demanding applications or modern games.

- **Overheating:**

- Ensure your computer case has adequate airflow.
- Clean any dust from the graphics card's fans and heatsink.

WARRANTY INFORMATION

Specific warranty details for the VBESTLIFE GTX550Ti 8GB Graphics Card are typically provided at the point of purchase or on the manufacturer's official website. Please retain your proof of purchase for warranty claims. For any warranty-related inquiries, contact your retailer or VBESTLIFE customer support.

SUPPORT

For technical assistance, driver downloads, or further product information, please visit the official VBESTLIFE website. You may also contact their customer support channels as listed on their website for direct assistance.

VBESTLIFE Store Link: [Visit the VBESTLIFE Store on Amazon](#)