

TBS TBS6902

TBS 6902 DVB-S/S2 Dual Tuner Digital PCIe Satellite TV Card User Manual

Model: TBS6902

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TBS 6902 DVB-S/S2 Dual Tuner Digital PCIe Satellite TV Card. This high-performance card is designed for receiving and recording Free-to-Air (FTA) satellite TV and radio programs on your PC, making it ideal for Live TV and IPTV server applications.

2. SAFETY INFORMATION

Please read and understand all safety precautions before installing and operating the device. Failure to do so may result in injury or damage to the product.

- Always disconnect power from your computer before installing or removing the card.
- Handle the card by its edges to avoid touching components and to prevent electrostatic discharge (ESD). Consider using an anti-static wrist strap.
- Ensure proper ventilation for your computer system to prevent overheating.
- Do not expose the device to moisture or extreme temperatures.
- Only use the provided accessories and cables.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x TBS6902 DVB-S/S2 Dual Tuner Digital PCIe Satellite TV Card
- 1 x Low profile bracket
- 1 x DC line

4. SETUP

4.1 System Requirements

- Operating System: Windows XP / Vista / 7 / 8 / 10, Linux
- Available PCI Express x1, x4, x8 or x16 slot
- Satellite dish and LNB (Low Noise Block downconverter)

4.2 Hardware Installation

1. Power off your computer and disconnect the power cord.
2. Open the computer case.
3. Locate an available PCI Express slot (x1, x4, x8, or x16).
4. Carefully insert the TBS6902 card into the chosen PCIe slot, ensuring it is fully seated. Secure the card with the bracket screw. If your PC case requires a low-profile bracket, replace the standard bracket on the card with the included low-profile bracket before installation.
5. Connect your satellite LNB cables to the two LNB IN ports (J1 and J2) on the card.
6. Close the computer case and reconnect the power cord.

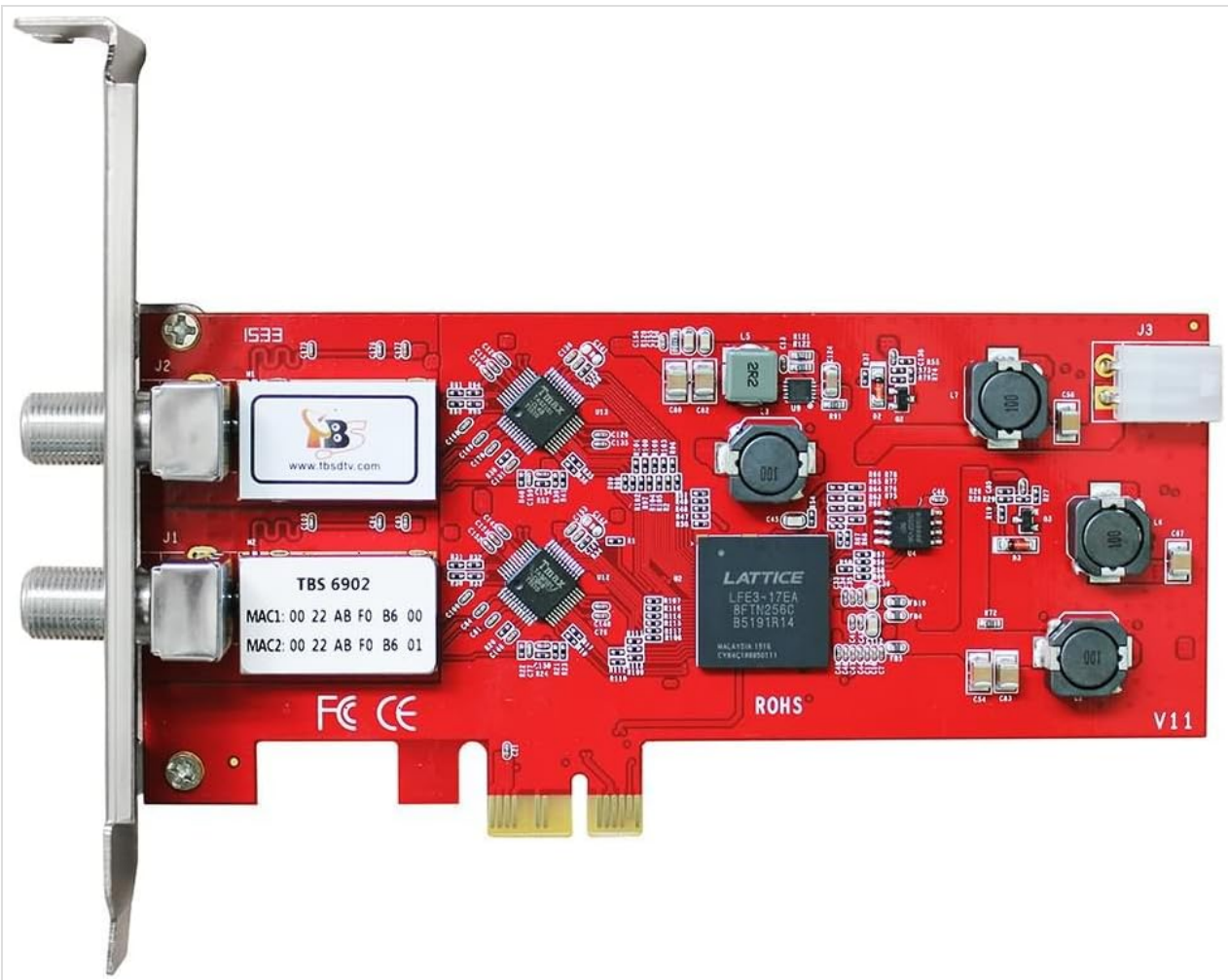


Figure 1: Top-down view of the TBS 6902 PCIe card, showing the two LNB input connectors and the PCIe interface.

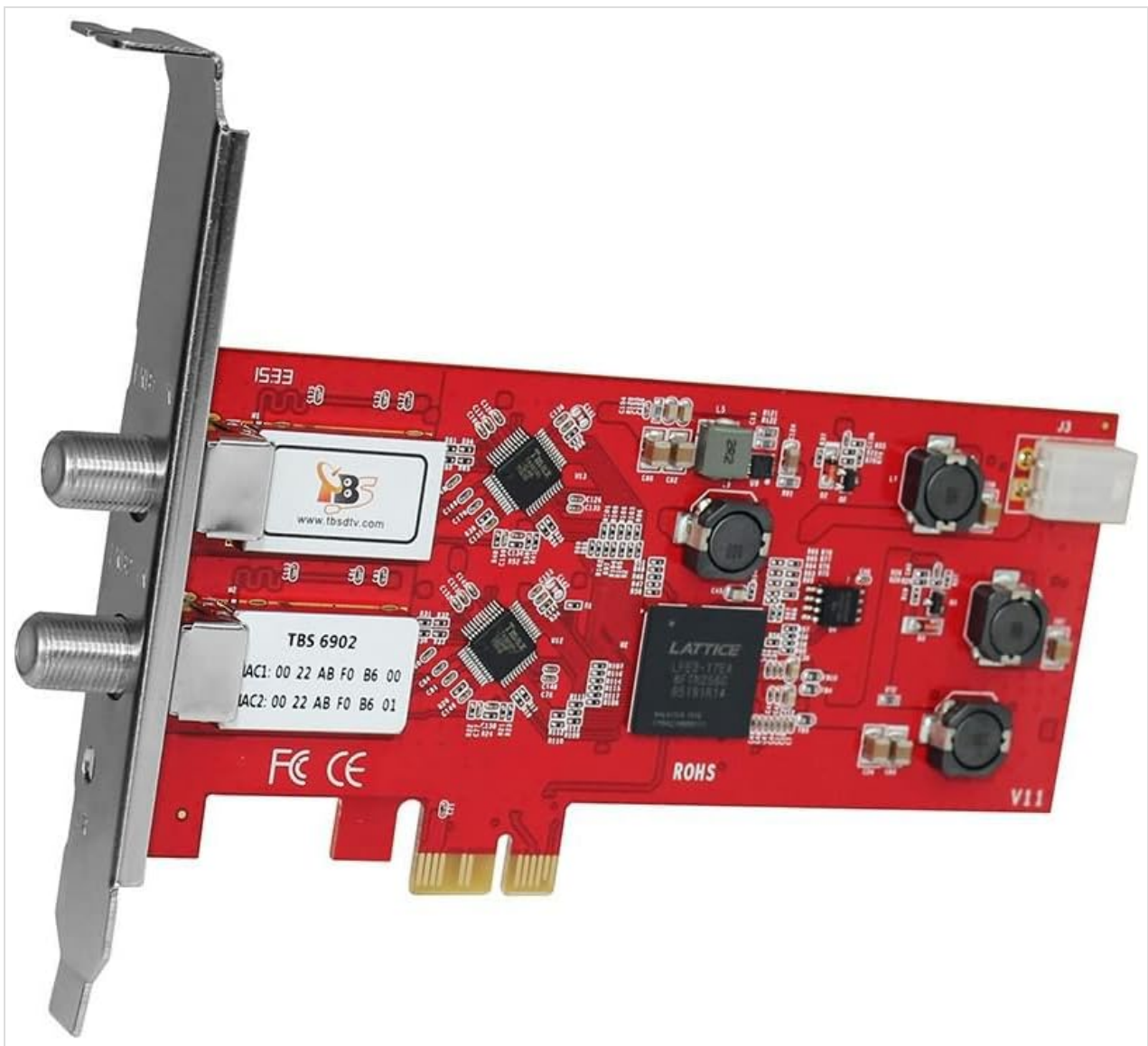


Figure 2: Angled view of the TBS 6902 PCIe card, demonstrating its compact design and the included low-profile bracket option for smaller PC cases.

4.3 Software Installation

1. Power on your computer. The operating system should detect new hardware.
2. Download the latest drivers for the TBS6902 from the official TBS website (www.tbsdtv.com).
3. Install the drivers by following the on-screen instructions.
4. Install compatible TV viewing software (e.g., DVBCViewer, ProgDVB, MediaPortal, Kodi with appropriate plugins, or other IPTV server software) to utilize the card's functionality. Ensure the software supports DVB-S/S2 standards.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once the hardware and software are installed, you can begin watching and recording Free-to-Air (FTA) satellite programs:

- Launch your chosen TV viewing software.
- Perform a channel scan within the software to detect available satellite channels. Refer to your software's manual for specific instructions on scanning.
- Utilize the dual tuner capability to watch one channel while simultaneously recording another from a different transponder/satellite.

5.2 Advanced Features

- **EPG (Electronic Program Guide) Support:** Access program schedules and information directly through your TV software, if supported.
- **Unicable/One Cable Compatible:** The card supports DiSEqC 1.0, 1.2, and 2.x, allowing compatibility with Unicable systems for simplified satellite dish cabling.
- **High-Speed Data Download:** The card supports high-speed data reception via satellite, with up to 190 Mbit/s channel bit rate capture and wide range symbol rates from 1Msps to 45Msps.

6. MAINTENANCE

The TBS 6902 card requires minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- Keep your computer's interior clean and free of dust to prevent overheating of components, including the TV card.
- Ensure adequate airflow around the card within your PC case.
- Regularly update the drivers from the official TBS website to benefit from performance improvements and bug fixes.

7. TROUBLESHOOTING

If you encounter issues with your TBS 6902 card, refer to the following common problems and solutions:

Problem	Possible Solution
Card not detected by the operating system.	Ensure the card is fully seated in the PCIe slot. Try a different PCIe slot. Verify that the necessary drivers are installed correctly. Check your motherboard's BIOS/UEFI settings for PCIe slot enablement.
No signal or poor signal quality.	Check LNB cable connections to the card and the satellite dish. Ensure the satellite dish is properly aligned. Verify LNB power settings in your TV software. Check for obstructions between the dish and the satellite.

Problem	Possible Solution
Driver installation issues or system instability.	Download the latest drivers directly from the TBS website. Ensure you are installing the correct drivers for your operating system. Temporarily disable antivirus software during installation if issues persist. Some users report better stability with specific driver versions or Linux kernel versions; consult online forums or TBS support.
Low profile bracket does not align correctly with PC case.	Ensure the bracket is oriented correctly. Some cases or motherboards may have slight variations; gentle alignment may be needed.
Audio/Video out of sync or stuttering.	Ensure your system meets the minimum requirements. Update your graphics card drivers. Try different video and audio codecs within your TV viewing software. Increase buffer sizes in software settings if available.

8. SPECIFICATIONS

Feature	Detail
Frequency Range	950~2150 MHz
Signal Level	-85~-10dB
Symbol Rate (DVB-S QPSK)	1-45 Msps
Symbol Rate (DVB-S2 QPSK/8PSK)	1-45 Msps
Automatic Acquisition Range	±10MHz
Automatic Pilot Detection	DVB-S2 CCM: QPSK+1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10; 8PSK+3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10; 16APSK+2/3, 3/4, 4/5, 5/6, 8/9, 9/10; 32APSK+3/4, 4/5, 5/6, 8/9, 9/10 DVB-S: QPSK+1/2, 2/3, 3/4, 5/6, 7/8
DiSEqC Support	1.0, 1.2, 2.x
Connections	PCI Express, 2x LNB IN
Video Capture Resolution	4K (supported by card, actual resolution depends on source and software)
Item Weight	1.1 pounds


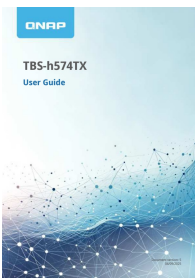

Feature	Detail
Product Dimensions (LxWxH)	6.05 x 4.7 x 0.8 inches

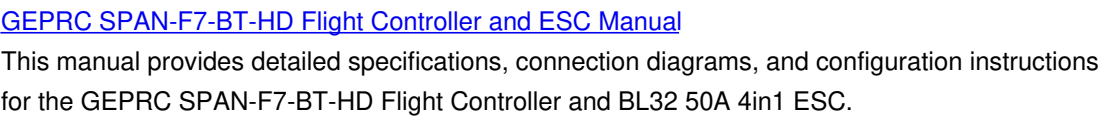
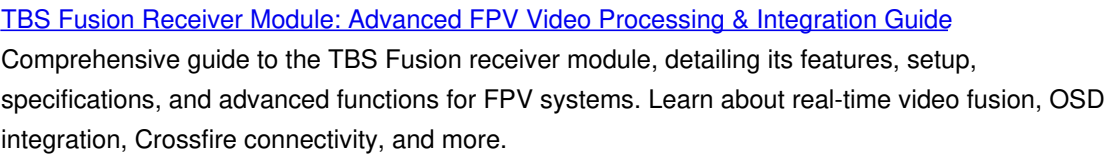
9. WARRANTY AND SUPPORT

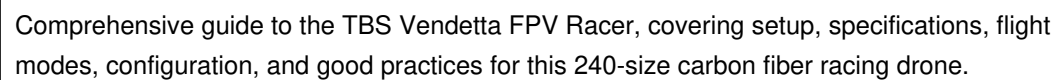
For warranty information and technical support, please refer to the official TBS Technology website or contact your retailer. Keep your purchase receipt as proof of purchase.

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Related Documents - TBS6902

	<p>TBS CAIPIRINHA II Mini FPV Wing Assembly and Operation Manual</p> <p>Comprehensive guide for assembling, configuring, and flying the TBS CAIPIRINHA II Mini FPV Wing, featuring detailed instructions, specifications, and best practices for optimal performance.</p>
	<p>QNAP TBS-h574TX User Guide: Installation, Configuration, and Operation</p> <p>Comprehensive user guide for the QNAP TBS-h574TX NASbook, covering hardware installation, QuTS hero OS setup, basic operations, and troubleshooting. Learn about its Intel processors, NVMe SSD support, and connectivity options.</p>
	<p>TBS Tracer 2.4GHz R/C System: High-Speed Drone Control Manual</p> <p>Comprehensive user manual for the TBS Tracer 2.4GHz R/C system, detailing its high-speed drone control capabilities, low latency, two-way telemetry, key features, specifications, setup, and advanced functions for FPV enthusiasts.</p>





TBS6902 User Guide

Dear Customers,

Thank you so much for using TBS products. TBS6902 is a PCI Express TV tuner card that supports multiple digital TV standards, including DVB-S2/S, which makes a switchover between different digital TV signals more convenient. Furthermore, with built-in Common Interface that allows insertion of CAM and smartcard for pay TV, it becomes your best choice to watch record digital cable TV on PC.

In order to use this item correctly, please read this user manual carefully at the beginning.

1. Hardware Installation

1.1 Install TBS TV Tuner Card

Power off the computer, remove computer cover and take out cover panel of PCI-e slot in which you want to put the card. Insert the card in PCI-e slot and fix card bracket with screw. Make sure the card fits in PCI-e slot tightly. Then put back computer cover.



Attention:
⚠️ Please turn off the computer, please do not touch the PC internal components especially the CPU and VGA chip, which has a high temperature with a risk of burn.
⚠️ Please be sure to use the manual of PC and peripheral equipment.

TBS6902 Intel®/AMD® TV Tuner Card User Guide

[pdf] User Manual Installation Guide Guide

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