

TBS TBS6205se

TBS 6205se Digital TV Tuner Card Instruction Manual

Model: TBS6205se

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the TBS 6205se Quad PCIe Digital TV Tuner Card. The TBS 6205se is designed to receive various digital television standards including DVB-T2/C2/T/C (J.83A/B/C), ISDB-T/C, and ATSC1.0, allowing for simultaneous reception of multiple channels.

SETUP

System Requirements

- **Operating System:** Windows XP / Vista / 7 / 8 / 10, Linux
- **PCI Express Slot:** Available PCI Express x1, x4, x8, or x16 slot
- **Digital TV Signal:** DVB-T2/C2/T/C(J.83A/B/C), ISDB-T/C, ATSC1.0 compatible signal source

Package Contents

Verify that all items are present in the package:

- 1x TBS6205se Digital TV Tuner Card
- 1x DC power line
- 1x F connector adapter



Image: TBS 6205se card, DC power line, and F connector adapter next to its retail box.

Physical Installation

1. **Power Off:** Shut down your computer and disconnect the power cable.
2. **Open Case:** Open the computer case to access the motherboard.
3. **Locate PCIe Slot:** Identify an available PCI Express x1, x4, x8, or x16 slot.
4. **Insert Card:** Carefully insert the TBS6205se card into the chosen PCIe slot, ensuring it is fully seated. Secure the card with the case's retention mechanism.
5. **Connect Antenna/Cable:** Connect your digital TV antenna or cable signal to the 'IN' F-connector port on the card. If using multiple tuners, connect additional signals to the other 'IN' ports.

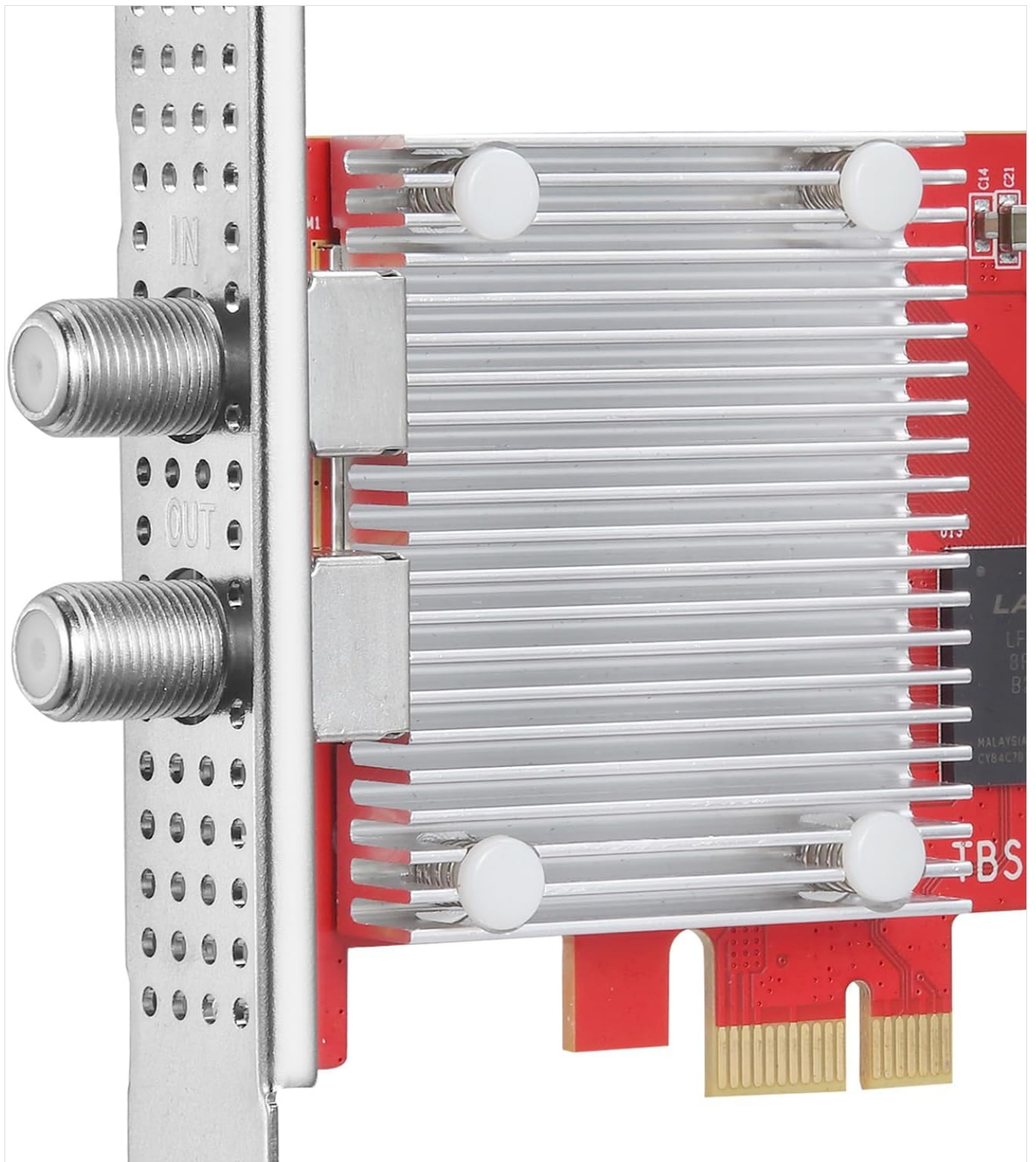


Image: Close-up view of the two F-connector ports ('IN' and 'OUT') on the TBS 6205se card's bracket.

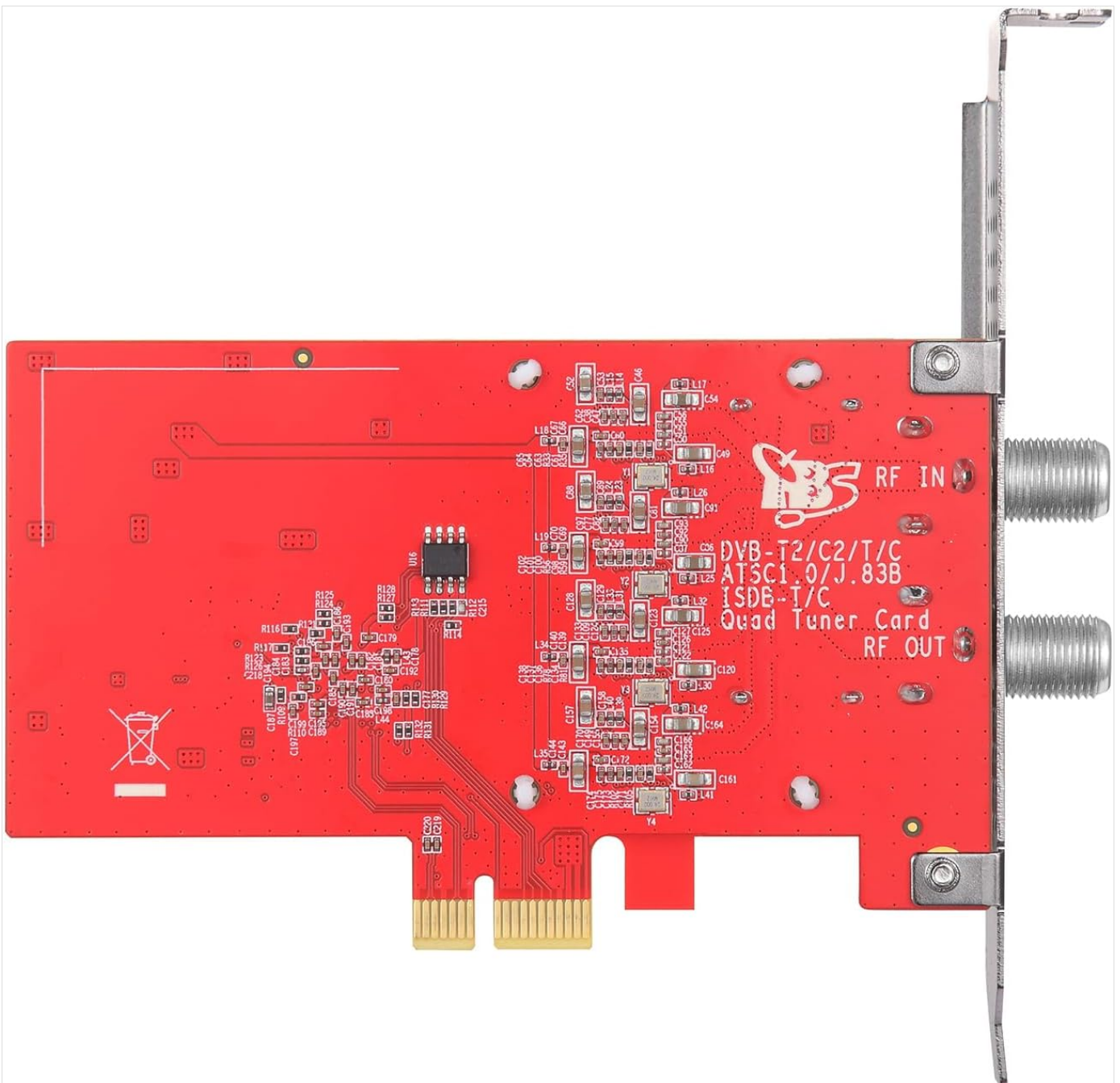


Image: Rear view of the TBS 6205se card, highlighting the PCIe connector pins and the overall circuit board layout.

Driver Installation

After physical installation, power on your computer. You will need to install the appropriate drivers for the TBS6205se card.

- **Windows:** Install the Windows BDA driver. This driver is typically provided on a CD with the product or available for download from the TBS website.
- **Linux:** Install the Linux driver. Refer to the TBS website for specific instructions and driver versions compatible with your Linux distribution.

Once drivers are installed, the operating system should recognize the tuner card. You can then proceed to install compatible TV viewing software.

OPERATING

Basic Functionality

The TBS 6205se is a quad tuner card, meaning it can receive up to four different frequencies simultaneously. This allows for watching or recording multiple channels at once, depending on your software configuration.

- **Digital TV Reception:** The card supports DVB-T2/C2/T/C (J.83A/B/C), ISDB-T/C, and ATSC1.0 standards.
- **Digital Video Recording (DVR):** Use compatible software to record digital terrestrial TV programs in full HDTV quality.
- **Time-shifting:** Pause live broadcasts and resume viewing from where you left off with the time-shifting function.

Signal Reception Details

The card supports a wide range of modulation and coding schemes for various digital TV standards:

- **DVB-T2 and T2-Lite:** VHF/UHF bands, 6/7/8 MHz bandwidth, 1K-32K FFT modes, various guard intervals (1/32 to 19/256), 16-256QAM modulations, 1/2 to 5/6 code rates.
- **DVB-T:** 6/7/8MHz bandwidth, 2K/8K FFT, QPSK, 16/64QAM, 1/2 to 7/8 code rates.
- **DVB-C2:** 6/8MHz bandwidth, 1/64/1/128 guard intervals, 16-4096 QAM, 2/3 to 9/10 code rates.
- **DVB-C:** 1.7 to 7.2 Msym/s, 16-256QAM, 0.15 roll-off factor.
- **ISDB-T:** 6/7/8MHz bandwidth, 2K/4K/8K FFT, 1/32 to 1/4 guard intervals, QPSK, 16/64QAM.
- **ISDB-C:** 5.274 Msym/s, 0.13 roll-off factor, 64/256QAM, TSMF support.
- **J.83B (ITU-T J.83 v3.0 Annex B):** 5.056941, 5.360537, 5.6 Msym/s, 0.18/0.12 roll-off factor, 64/256QAM.
- **ATSC1.0:** 6MHz channel bandwidth, 8VSB modulation, 2/3 code rate.

MAINTENANCE

To ensure optimal performance and longevity of your TBS 6205se card:

- **Keep Clean:** Periodically clean dust from inside your computer case, especially around the tuner card's heatsink, to prevent overheating. Use compressed air for this purpose.
- **Ventilation:** Ensure adequate airflow within your computer case. Poor ventilation can lead to component overheating.
- **Software Updates:** Keep your operating system and TV viewing software updated to benefit from performance improvements and bug fixes. Regularly check the TBS website for updated drivers.

TROUBLESHOOTING

If you encounter issues with your TBS 6205se card, consider the following:

- **Card Not Detected:**
 - Ensure the card is fully seated in the PCIe slot.
 - Verify that the necessary drivers are correctly installed.
 - Try the card in a different PCIe slot if available.
- **No Signal/Poor Signal Quality:**
 - Check all antenna/cable connections for tightness and proper seating.
 - Ensure your antenna is correctly positioned and pointed towards the broadcast tower.
 - Verify that your signal source is active and providing a strong signal.
 - Perform a channel scan within your TV viewing software.
- **Software Issues:**

- Ensure your TV viewing software is compatible with BDA drivers (for Windows) or the Linux driver.
- Update your TV viewing software to the latest version.
- Consult the documentation or support resources for your specific TV viewing software.

For further assistance, refer to the Support section below.

SPECIFICATIONS

Feature	Detail
Model Name	TBS6205se
Interface	PCI Express x1
Tuner Type	Quad Digital TV Tuner
Supported Standards	DVB-T2/C2/T/C(J.83A/B/C), ISDB-T/C, ATSC1.0
Video Capture Resolution	Up to 1080p
Operating Systems	Windows XP / Vista / 7 / 8 / 10, Linux
Dimensions (LxWxH)	5 x 4.7 x 0.8 inches (12.7 x 11.9 x 2.0 cm)
Item Weight	3.52 ounces (100 grams)
Manufacturer	UTA Technology

WARRANTY

Warranty information for the TBS 6205se is typically provided with your purchase documentation or available on the manufacturer's official website. Please retain your proof of purchase for warranty claims.

SUPPORT

For the latest drivers, software, and technical support, please visit the official TBS website:

<http://www.tbsiptv.com>

Online resources often include FAQs, forums, and contact information for direct support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question