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› TBS5580 Multi-Standard Digital TV Tuner USB Box User Manual

TBS TBS5580

TBS5580 Multi-Standard Digital TV Tuner USB Box User Manual

Model: TBS5580

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TBS5580 Multi-Standard Digital TV Tuner USB Box. The TBS5580 is a versatile external tuner designed to receive various digital TV standards, including DVB-S2X, DVB-S2, DVB-S, DVB-T2, DVB-T, DVB-C2, DVB-C, and ISDB-T. It features a Common Interface (CI) slot for pay TV access and connects to your computer via USB 2.0.



Figure 1: Top view of the TBS5580 Digital TV Tuner USB Box.

1. SETUP

1.1 Package Contents

- 1 x TBS5580 Digital TV Tuner USB Box
- 1 x USB Cable
- 1 x F-IEC Connector

1.2 System Requirements

- **Operating System:** Windows XP/Vista/7/8/10, Linux
- **Port:** Available USB 2.0 slot
- **Signal:** Digital TV signal (ISDB-T/DVB-T2/C2/S2X/S2/T/C/S)

1.3 Physical Connection

Follow these steps to connect your TBS5580 tuner:

1. Connect the appropriate antenna or satellite dish cable to the "RF IN" or "LNB IN" port on the TBS5580, depending on your signal type. Use the provided F-IEC connector if necessary.
2. Connect the TBS5580 to an available USB 2.0 port on your desktop or laptop PC using the supplied USB cable.
3. Connect the 12V power adapter to the "DC 12V" port on the TBS5580 and plug it into a power outlet.



Figure 2: Rear view of the TBS5580 showing connection ports.



Figure 3: Side view of the TBS5580 highlighting the power and USB connections.

1.4 Driver Installation

After connecting the device, you will need to install the appropriate drivers for your operating system. Drivers are typically provided on a CD included with the product or can be downloaded from the official TBS website. Follow the on-screen instructions during the driver installation process.

Note: Ensure you download and install the correct drivers for your specific operating system version (e.g., Windows 10, Linux kernel version). Incorrect drivers can lead to device malfunction or system instability.

2. OPERATING INSTRUCTIONS

2.1 Software Installation

To view and manage TV channels, you will need compatible TV viewing software. Popular options include:

- **Windows:** DVBViewer, ProgDVB, MediaPortal, Kodi (with appropriate plugins).
- **Linux:** Tvheadend, VDR, Kaffeine, Me-TV.

Install your preferred software and configure it to recognize the TBS5580 tuner. Refer to the software's documentation for specific setup instructions.

2.2 Channel Scanning

Once the software is installed and configured, perform a channel scan to find available TV channels. The process generally involves:

1. Opening your TV viewing software.
2. Navigating to the tuner or channel setup section.
3. Selecting the TBS5580 tuner.
4. Initiating an automatic channel scan for your chosen digital TV standard (e.g., DVB-S2X, DVB-T2).

The scan duration will vary depending on the signal type and region. After the scan, save the found channels.

2.3 Common Interface (CI) Usage

The TBS5580 includes a Common Interface (CI) slot, allowing you to access encrypted pay TV channels. To use this feature:

1. Obtain a Conditional Access Module (CAM) and a smartcard compatible with your pay TV provider.
2. Carefully insert the smartcard into the CAM.
3. Insert the CAM into the CI slot on the TBS5580. Ensure it is inserted correctly and fully seated.



Figure 4: Side view of the TBS5580 with the CI slot visible.

Your TV viewing software should then be able to decode encrypted channels using the CAM and smartcard.

2.4 Blind Scan Functionality

The TBS5580 supports blind scanning for satellite and cable signals. This feature allows the tuner to automatically detect and scan for transponders or frequencies without prior knowledge of their parameters. This is particularly useful for finding new or obscure channels.

Refer to your TV viewing software's documentation for instructions on how to initiate a blind scan.

2.5 Data Receiving and Monitoring

Beyond standard TV reception, the TBS5580 can be used for data receiving and monitoring applications. This functionality is typically utilized in specialized software environments for tasks such as satellite data acquisition or network monitoring. Consult advanced user guides or developer documentation for specific configurations.

3. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block the ventilation slots.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the official TBS website for firmware updates. Updating firmware can improve performance and add new features.

4. TROUBLESHOOTING

4.1 Device Not Recognized by PC

- Ensure the USB cable is securely connected to both the TBS5580 and your PC.
- Try a different USB port on your PC.
- Verify that the 12V power adapter is correctly connected and powered.
- Reinstall the device drivers. Ensure you have the correct drivers for your operating system.
- Test the device on another computer if possible to rule out PC-specific issues.

4.2 No Signal or Poor Signal Quality

- Check all antenna/satellite cable connections. Ensure they are tight and correctly connected to the "RF IN" or "LNB IN" port.
- Verify that your antenna or satellite dish is properly aligned and free from obstructions.
- Confirm that you have selected the correct digital TV standard (e.g., DVB-S2X, DVB-T2) in your TV viewing software.
- Perform a new channel scan.
- If using a satellite dish, check LNB settings in your software.

4.3 Overheating Issues

Some users have reported overheating. To mitigate this:

- Ensure the TBS5580 is placed in an open area with good airflow.
- Avoid placing it on soft surfaces that can block ventilation.
- Consider using a small fan to provide additional cooling if operating in a warm environment or for extended periods.

4.4 Issues with Windows 11 Drivers

As noted by some users, there might be compatibility challenges with Windows 11, particularly with the latest versions. If you encounter driver installation issues on Windows 11:

- Check the official TBS website for updated Windows 11 specific drivers.
- Consult the TBS support forum or contact their technical support for assistance.
- Consider running drivers in compatibility mode if no official Windows 11 drivers are available.

5. SPECIFICATIONS

Feature	Description
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Feature	Description
Model	TBS5580
Supported Standards	DVB-S2X, DVB-S2, DVB-S, DVB-T2, DVB-T, DVB-C2, DVB-C, ISDB-T
Interface	USB 2.0
Common Interface (CI)	Yes, for CAM and smartcard
DVB-S/S2/S2X Symbol Rates	1-45 Msps
DVB-T2 Bandwidth	1.7, 5, 6, 7 or 8 MHz
DVB-C2 Bandwidth	6MHz, 7MHz, 8MHz
Power Consumption	Input/Power: 12V/12W
Operating Temperature	0~60 °C
Dimensions (LxWxH)	4 x 3.45 x 0.8 inches (10.16 x 8.76 x 2.03 cm)
Weight	3.88 ounces (110 grams)
Operating Systems	Windows XP/Vista/7/8/10, Linux

6. WARRANTY INFORMATION

TBS products typically come with a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official TBS website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

7. SUPPORT

For technical support, driver downloads, or further assistance, please visit the official TBS website or contact their customer service department. You can usually find contact information and support resources on their website.

Website: www.tbsdtv.com

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