HEADSET Master 5.1 USB

Hardware and driver installation

English manual

Version: 15.09.2006

CE / FCC Declaration

We
TerraTec Electronic GmbH • Herrenpfad 38 • D-41334 Nettetal
hereby declare that the product:

Master 5.1 USB headset

to which this declaration refers, is in compliance with the following standards or standardizing documents:

EN 55022 Class B
EN 55024

The product is designed for the following operating conditions and deployment environments: residential, retail, commercial and small-business.

This declaration is based on:
Test report(s) of the ADT-Corp testing laboratory

Contents

Welcome!

We're pleased that you have chosen a TerraTec headset and would like to congratulate you on this decision. With the TerraTec Headset Master 5.1 USB, you've purchased a sophisticated product representing the state of the art of PC/audio technology. We're convinced that our product will prove extremely useful to you and provide you with a great deal of entertainment, both at home and on the road. Before we go into detail, here's a foretaste of what you can expect:

The 5.1 Surround Sound Headset

The Headset Master 5.1 USB is a true 5.1 surround-sound headset with 6 speakers, microphone and convenient cable remote. Movies and computer games are accompanied by perfect sound quality achieved using the software equalizer and the separate volume controls on the cable remote for each channel. Every equalizer and the separate volume controls for each channel sound can be set effortlessly—a must for thrilling entertainment. Because if you hear your opponent first, the advantage is obviously yours. Thanks to the integrated sound system, no additional hardware is necessary. Just connect it to the USB 2.0 port, install the software, and the Headset Master 5.1 USB is ready to use. The snug fit of the headset guarantees perfect comfort—even after long hours of gaming.

Thanks for your attention—enjoy!

...your TerraTec Team

Key features.

- 5.1 Headset with 6 separate speakers

- USB 2.0 port

- Plug and Play

- Supports 48 / 44.1 kHz sampling frequency during recording and playback

- Frequency response:
  front, surround, center 20 – 20,000 Hz
  subwoofer 20 – 120 Hz

- Subwoofer with bass shaker

- Separate volume control for each channel

- Removable microphone with mute function

- Maximum comfort

- Software equalizer and karaoke effect

- No sound card necessary

- Cable length approx. 2 m

- Weight 450 g

- 2 years warranty

System requirements.

- 1 GHz Intel or AMD CPU

- 256 MB RAM

- 1 free USB 2.0 interface

- CD or DVD drive for software installation

- Windows 2000 or Windows XP

Scope of delivery.

- Master 5.1 USB headset

- Removable microphone

- Protective bag

- Software CD ROM

- Manual (on CD-ROM)

- Service request form

- Registration documents

- Quick Setup Guide

The hardware at a glance.

Overview of the hardware and connections of the Headset Master 5.1 USB:

1. USB 2.0 plug

2. Controller unit

3. Removable microphone

4. Headset

USB port

Connect the USB plug (1) to a free USB port on your desktop or laptop PC. For more information, refer to the Driver installation chapter later in this manual.

Controller unit

1   2   3

- Surround+   - Front+   - Vol+
                                Mute

HEADSET Master 5.1 *USB*   7

- Sub+   - Center+

4   5   6
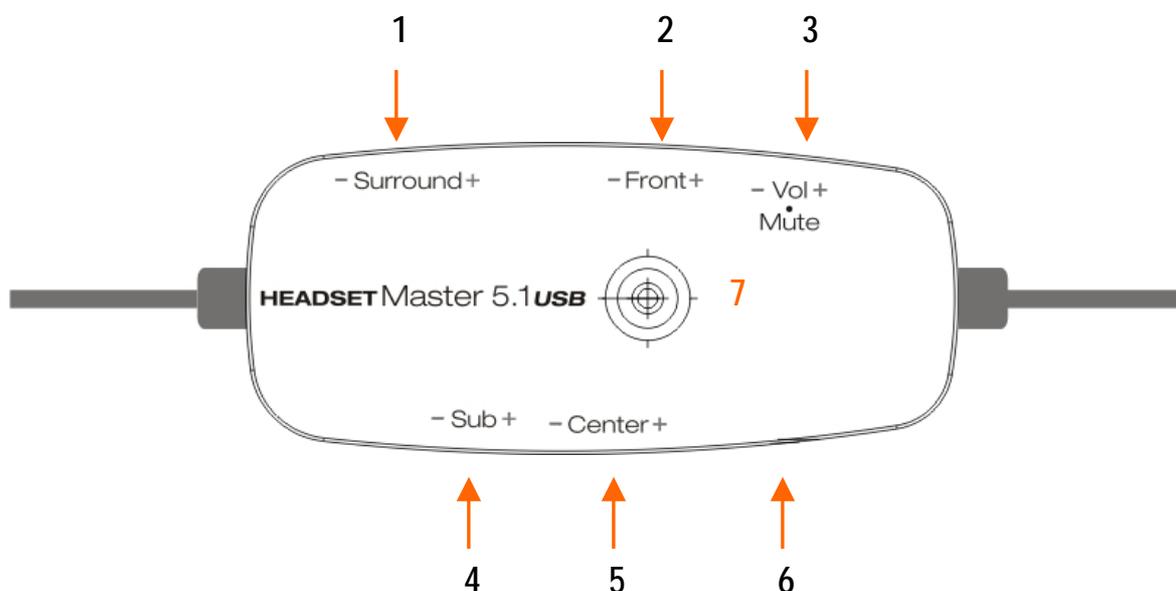
Use the controller unit to manage all major functions of the headset. The unit can adjust the levels of each channel individually.

1. Surround level: Adjust the level of the surround channels, i.e. the rear speakers, here. The range is from 0 to 10. Please note that the maximum level is limited by the setting of the volume control (3). If the total volume is very low, the range of adjustment at the controller unit will also be minimal. Ideally, you should set the volume control (3) to maximum and turn the surround level down to the desired level.

2. Front level: Adjust the level of the front channels here. The range is from 0 to 10. Please note that the maximum level is limited by the setting of the volume control (3). If the total volume is very low, the range of adjustment at the controller unit will also be minimal. Ideally, you should set the volume control (3) to maximum and turn the front level down to the desired level.

3. Volume control/mute function: Use the volume control to adjust the overall level of all channels. You can thus specify the total volume range. All level controls will then be restricted to that range. If you have the volume control set to 50%, the levels of the individual channels will each be limited to a maximum of 50%.

Press the control to mute the headset. Press it again to cancel the mute.

4. Sub level: Adjust the level of the subwoofer here. The range is from 0 to 10. Please note that the maximum level is limited by the setting of the volume control (3). If the total volume is very low, the range of adjustment at the controller unit will also be minimal. Ideally, you should set the volume control (3) to maximum and turn the sub level down to the desired level.

5. Center level: Adjust the level of the center channel here. The range is from 0 to 10. Please note that the maximum level is limited by the setting of the volume control (3). If the total volume is very low, the range of adjustment at the controller unit will also be minimal. Ideally, you should set the volume control (3) to maximum and turn the center level down to the desired level.

6. Microphone mute switch: Use the mute switch to turn the microphone on and off. When the microphone is turned off, the LED (7) on the controller will be purple. The LED will change back to blue when the microphone is reopened.

7. Status LED: The status LED indicates that the headset is plugged in and ready to use. The color of the LED will change to purple when the microphone is muted. The LED will change back to blue when the microphone is reopened by pressing the mute button (6) a second time.

Setting up the hardware and installing drivers

The following sections describe how to connect your Headset Master 5.1 USB to your computer. Wait until Windows has booted completely, then insert the USB plug of the headset into a free USB 2.0 port on your PC. Continue with the driver installation.

Driver installation in Windows XP

Once Windows is fully booted up, it will display a message bubble in the taskbar to indicate that Windows has found new hardware. The required system drivers will now be installed.

Wait until Windows displays another message bubble indicating that the Headset Master 5.1 USB was installed successfully.

The installation was completed successfully.

To be sure, open the Device Manager (Start → Settings → Control Panel → System → Hardware tab → Device Manager) and expand the "Sound, video and game controllers" entry (click the + sign). The installation was successful if the TerraTec Audio Device or TerraTec Headset Master 5.1 USB is listed and is not marked by a yellow exclamation point.

Installing the Control Panel software

Insert the CD in your CD/DVD drive and wait for it to start automatically. Use the menu to install the Control Panel (Autostarter → English → Software → Control Panel). Follow the onscreen instructions and click "Finish" to complete the installation. You may be prompted to reboot your computer.

Note: The headset must be plugged into your PC during the installation.

A small headset icon will appear in the system tray after rebooting. Double-click the icon to open the Control Panel of the headset.

System tray with headset icon

The Control Panel at a glance

The Control Panel is the central configuration tool for your headset. Use it to set up the headset's full range of features to suit your preferences.

Basic settings

Choose between two- and six-channel mode in the basic settings. For two-channel mode, click the headset icon. To enjoy surround sound, click the button to activate six-channel mode.

Output settings in the Control Panel

Click the tool icon (hammer) to configure additional settings such as bass boost and channel output.
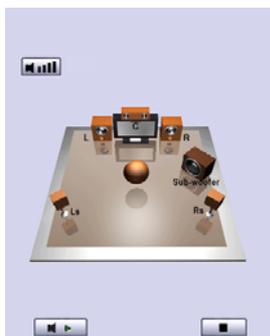
Test the individual channels at the right side of the window. Simply click the speakers to test them individually, or click play to test all channels one after the other. Press the Stop button to stop the test. The dynamics can be adjusted individually for each channel using the *Dynamics* button at the top.

Mixer

The mixer lets you adjust the levels of individual audio sources independently. In the upper part, configure the speakers as you would with the Windows mixer. The lower part lets you configure all factors related to recording, i.e. the microphone. A button to mute each individual source is located under the source's controller.

Wave: controls the level for all *.wav and other audio files.

SW Synth: controls the level of the integrated Windows software synthesizer.

CD Playback: controls the level of audio media in the optical drive.

Microphone: controls the level of the microphone.

Line-In: controls the Line-In level. This setting is not relevant, as the headset does not have a line input.

Stereo Mix: controls the level of the Line-In stereo mix. This setting is not relevant, as the headset does not have a line input.

Effects

The Effects section lets you set and configure special environmental variables realized via the software synthesizer. Use the 10-band equalizer to tailor the sound to your taste, or choose one of the 12 presets. These have been customized for different musical genres so that you can enjoy your favorite hits with maximum punch.

You can also specify the size of your listening environment. As you are using a headset, you should choose the smallest environment.

Configuring the environment itself is an entertaining effect. Check out the padded cell, or enjoy your music under water. Or how about a mountain cave? It's all possible, thanks to our audio engineers who spared neither trouble nor expense to deliver an authentic audio experience to your living room. ☺

Karaoke

This is a nice function for your next party or when having a drink or two with your friends. Simply activate the karaoke function, put on the headset, and belt it out. You can even apply effects to the microphone signal or the music playback. The so-called Magic Voices let your voice appear in a whole new light. Other effects include pitch shifting and the vital vocal suppression function that reliably removes all of the original voices and replaces them with the microphone signal.

Appendix A – Frequently asked questions (FAQ).

The current version of the frequently asked questions (FAQ) can be found in the Support section of the TerraTec website (http://www.terratec.net). Check the website from time to time, not only for updated FAQs, but also current software updates and interesting brief guides for your product. Our support staff always aims to provide the best possible assistance for a variety of applications.

Appendix C – Service at TerraTec.

"Nothing seems to work!" — This can happen even on the best systems. If this happens to you, the TerraTec team is happy to offer its service and support.

Hotline, Internet.

In case of a serious problem—where you can neither solve the problem on your own nor with the guided help found in this manual, nor with the help of your dealer—please contact us directly.

If you have access to the Internet, please check our service and support at **http://supporten.terratec.net/** first. There you'll find the answers to frequently asked questions (FAQ) and a form for e-mail support requests.

If you can't access our website, please check the service request form that came with the product for country-specific helpline numbers with which you can contact our support team.

Regardless of whether you contact us by e-mail or phone, you must have the following information at hand:

- your registration number,

- this documentation.

In addition, it would be helpful to our technicians if the device is within reach during the phone call so that you can carry out our support tips directly. Please do not forget to write down the name of the respective support technician if you contact our Support Team. You will need this name if a defect is present and your device needs to be mailed to us.