

TerraTec 251739

TerraTec Connect C6 USB-C Hub User Manual

Model: 251739

1. PRODUCT OVERVIEW

The TerraTec Connect C6 is a versatile USB-C hub designed to expand the connectivity options of your USB Type-C enabled devices such as MacBooks, MacBook Pros, Chromebooks, and Windows laptops. It consolidates multiple essential ports into a single, compact device, addressing the limited port availability on modern slim form factor computers.

This hub provides a comprehensive solution for various connectivity needs, including data transfer, video output, audio connectivity, network access, and power delivery.



Figure 1: Top-down view of the TerraTec Connect C6 hub, illustrating its various ports including USB-C host, USB-C PD, HDMI, audio jacks, USB 3.0 ports, card readers, and Ethernet port.

Key Features:

- Connects via a single USB Type-C port to your host device.
- USB Type-C Power Delivery (PD) port with pass-through charging up to 100W.
- Three USB 3.0 ports offering 5 Gbps data transfer speeds, backward compatible with BC 1.2 fast charging technology.
- HDMI port supporting 4K resolution at 30Hz or 1080p at 60Hz.
- 3.5 mm microphone and headphone audio jack.
- Integrated card reader for standard formats (SD and MicroSD).
- Ethernet port for stable wired network connectivity.

2. SETUP AND INSTALLATION

Setting up your TerraTec Connect C6 hub is straightforward. Follow these steps to begin using your device:

1. **Connect to Host Device:** Plug the integrated USB Type-C cable of the TerraTec Connect C6 hub into an available USB Type-C port on your laptop, MacBook, or other compatible device. Ensure the connection is firm.
2. **Power Connection (Optional):** If your host device requires charging or if you are connecting power-intensive peripherals, connect your original USB Type-C power adapter to the USB Type-C PD port on the hub. This will provide pass-through charging to your host device and power to the hub's connected peripherals.
3. **Connect Peripherals:** You can now connect your desired peripherals to the hub's available ports:
 - USB devices (e.g., external hard drives, keyboards, mice) to the USB 3.0 ports.
 - External display to the HDMI port.
 - Headphones or microphone to the 3.5 mm audio jack.
 - SD or MicroSD cards to the respective card reader slots.
 - Ethernet cable to the RJ45 Ethernet port for wired network access.
4. **Driver Installation:** The TerraTec Connect C6 is typically plug-and-play and does not require additional driver installation for most operating systems (Windows, macOS, Chrome OS). If prompted, allow your operating system to install any necessary drivers automatically.



Figure 2: The TerraTec Connect C6 hub connected to a laptop, demonstrating its compact integration with a host device.

3. OPERATING INSTRUCTIONS

Once the hub is connected, you can utilize its various functions:

- **USB 3.0 Ports:** Insert USB devices into any of the three USB 3.0 ports. These ports support data transfer speeds of up to 5 Gbps and are suitable for external storage, keyboards, mice, and other USB peripherals. They also support BC 1.2 fast charging for compatible devices.
- **HDMI Output:** Connect an HDMI cable from the hub's HDMI port to your monitor or TV. Ensure your display is set to the correct input source. The hub supports resolutions up to 4K@30Hz or

1080p@60Hz.

- **3.5mm Audio Jack:** Plug in your headphones, earbuds, or a microphone into the 3.5mm audio jack for audio input/output. Your operating system should automatically detect the connected audio device.
- **Card Reader:** Insert an SD card or a MicroSD card into the corresponding slot. The card will appear as a removable drive on your computer, allowing you to access or transfer files. Do not insert both types of cards simultaneously.
- **Ethernet Port:** Connect an Ethernet cable from your router or network switch to the RJ45 port on the hub. This provides a stable wired internet connection, which is often more reliable than Wi-Fi.
- **USB Type-C PD Port:** This port is primarily for power input to charge your host device and power the hub. It supports Power Delivery up to 100W. It is not intended for data transfer from peripherals.

4. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your TerraTec Connect C6 hub, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the surface of the hub. Do not use liquid cleaners, aerosols, or abrasive materials, as they may damage the device.
- **Storage:** When not in use, store the hub in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not bend or twist the integrated USB-C cable excessively.
- **Environment:** Keep the hub away from water, moisture, and high humidity. Do not expose it to corrosive substances.
- **Ventilation:** Ensure the hub has adequate ventilation, especially during prolonged use, to prevent overheating.

5. TROUBLESHOOTING

If you encounter issues with your TerraTec Connect C6 hub, refer to the following common problems and solutions:

- **No Display Output via HDMI:**
 - Ensure the HDMI cable is securely connected to both the hub and the display.
 - Verify that your display is set to the correct HDMI input source.
 - Check if your host device's USB-C port supports video output (DisplayPort Alternate Mode).
 - Try a different HDMI cable or display.
 - Restart your host device.
- **USB Devices Not Recognized:**
 - Ensure the USB device is properly inserted into the hub's USB 3.0 port.
 - Try connecting the USB device to a different USB port on the hub or directly to your host device to confirm functionality.
 - If using a high-power USB device (e.g., external HDD), ensure the hub is connected to a power adapter via its USB-C PD port.
 - Restart your host device.
- **No Power Delivery to Host Device:**

- Ensure your original USB Type-C power adapter is connected to the hub's USB-C PD port.
 - Verify that your power adapter is functioning correctly.
 - Check if your host device's USB-C port supports Power Delivery.
- **Ethernet Connection Issues:**
 - Ensure the Ethernet cable is securely connected to both the hub and your router/modem.
 - Check your network settings on your host device.
 - Try a different Ethernet cable.
 - Restart your router/modem and host device.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	1.1 x 0.71 x 12.05 inches
Item Weight	3.63 ounces (0.1 Kilograms)
Model Number	251739
Connectivity	USB Type-C (Host Connection)
USB Ports	3 x USB 3.0 (5 Gbps, BC 1.2 compatible)
USB Type-C PD Port	1 x USB Type-C with Power Delivery (up to 100W pass-through)
HDMI Output	1 x HDMI (4K@30Hz, 1080p@60Hz)
Audio Jack	1 x 3.5 mm (Microphone & Headphone)
Card Reader	SD and MicroSD (simultaneous use not supported)
Ethernet Port	1 x RJ45 (Gigabit Ethernet)
Compatible Devices	MacBook Pro, other USB-C enabled laptops/devices
Manufacturer	Terratec
First Available Date	January 27, 2023

7. WARRANTY INFORMATION

TerraTec products are covered by a limited warranty. For detailed information regarding the warranty period, terms, and conditions applicable to your Connect C6 hub, please refer to the warranty card included with your product packaging or visit the official TerraTec website. Please retain your proof of purchase for warranty claims.

8. SUPPORT

For technical support, frequently asked questions, driver downloads (if applicable), or further assistance with your TerraTec Connect C6 hub, please visit the official TerraTec support website:

**TerraTec Support
Website**

You may also find helpful resources and contact information on their website for direct assistance.