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### Satechi ST-YU4120M

# Satechi USB C to USB C 4.0 Pro Cable User Manual

Model: ST-YU4120M

## INTRODUCTION

Thank you for choosing the Satechi USB C to USB C 4.0 Pro Cable. This high-performance cable is designed to provide unparalleled connectivity, supporting advanced features such as 8K video output, 240W Power Delivery, and 40Gbps data transfer. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your new cable to ensure optimal performance and longevity.




Image: The Satechi USB C to USB C 4.0 Pro Cable, showcasing its braided design and USB-C connectors.

## Safety Information

Please read and follow these safety guidelines to prevent damage to the cable or connected devices, and to ensure personal safety:

- Do not expose the cable to liquids, moisture, or extreme temperatures.
- Avoid bending or twisting the cable excessively, especially near the connectors.
- Do not attempt to disassemble or modify the cable.
- Keep out of reach of children.
- Use only with compatible devices and power sources that meet the cable's specifications.

## Features

The Satechi USB C to USB C 4.0 Pro Cable offers a robust set of features for high-demand applications:

- **8K Resolution Quality:** Supports stunning 8K @ 60Hz display capabilities, or 4K @ 120Hz for single displays, and 4K @ 60Hz for dual displays.
- **240W Power Delivery (EPR):** Provides fast and efficient charging for laptops, smartphones, and tablets, compatible with various power adapters.
- **40Gbps Data Transfer:** Enables rapid data synchronization and file transfers, significantly faster than previous USB standards.
- **USB-IF Certified:** Guarantees top-notch quality, reliability, and adherence to industry standards for safety and efficiency.
- **Durable & Versatile Design:** Features a reliable black braided design that resists tangling and is built for longevity.




Image: Visual representation of the cable's key capabilities: 8K/60Hz video, up to 240W Power Delivery, and 40Gbps data transfer.




Image: A close-up view of the USB-C connector, highlighting its USB-IF certification for quality and safety.

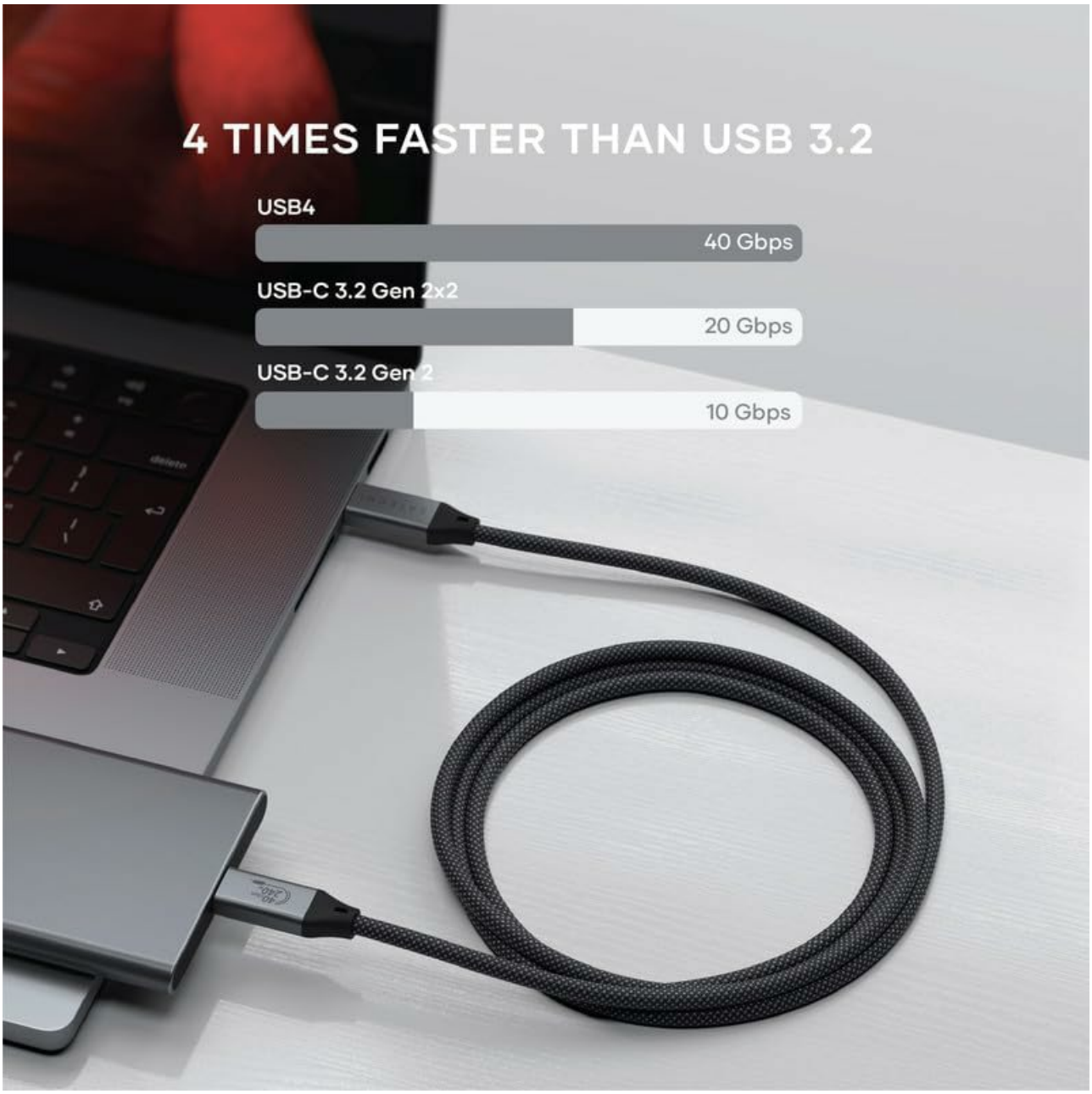



Image: A bar chart illustrating that USB4 offers 40Gbps data transfer, which is four times faster than USB-C 3.2 Gen 2 (10Gbps) and twice as fast as USB-C 3.2 Gen 2x2 (20Gbps).

## Setup

Setting up your Satechi USB C to USB C 4.0 Pro Cable is straightforward. Simply connect the cable to your compatible devices.

### Connecting for Power Delivery

1. Ensure your power adapter supports USB Power Delivery (PD) and has a USB-C output port.
2. Connect one end of the Satechi USB C to USB C 4.0 Pro Cable to the USB-C output port of your power adapter.
3. Connect the other end of the cable to the USB-C charging port of your laptop, smartphone, or tablet.
4. Verify that your device indicates it is charging.

### Connecting for Data Transfer

1. Locate the USB-C data port on your source device (e.g., computer, external SSD).
2. Connect one end of the Satechi USB C to USB C 4.0 Pro Cable to this port.

3. Connect the other end of the cable to the USB-C data port of your target device (e.g., external hard drive, another computer).
4. Your devices should now recognize each other for data transfer.

### Connecting for Video Output

1. Ensure your source device (e.g., laptop, tablet) has a USB-C port that supports DisplayPort Alternate Mode (Alt Mode) or Thunderbolt.
2. Ensure your display monitor has a USB-C input port that supports video input.
3. Connect one end of the Satechi USB C to USB C 4.0 Pro Cable to your source device.
4. Connect the other end of the cable to your display monitor.
5. Adjust display settings on your source device if the video does not appear automatically.

## Operating

The Satechi USB C to USB C 4.0 Pro Cable operates automatically once connected to compatible devices. Its primary functions include power delivery, data transfer, and video output.

### Power Delivery

When connected to a compatible power source and device, the cable will automatically negotiate the optimal power delivery up to 240W. This allows for rapid charging of high-power devices like laptops.




Image: A Satechi USB-C cable connected to a MacBook Pro, illustrating its capability to charge the laptop rapidly with up to 240W power delivery.

## Data Transfer

For data transfer, ensure both connected devices support USB 4.0 or a compatible standard (Thunderbolt 3/4, USB 3.2/3.1/3.0/2.0). The cable will facilitate data transfer at speeds up to 40Gbps, depending on the capabilities of the connected devices.

## Video Output

The cable supports single 8K @ 60Hz or 4K @ 120Hz display output, and dual 4K @ 60Hz display output. For dual display setups, ensure your source device and docking station/hub support the necessary video output configurations.




Image: A laptop connected to two external monitors, demonstrating the cable's ability to support dual 4K/60Hz displays or a single 8K/60Hz display.



Image: An iPad Pro connected to a large external monitor, showcasing the cable's versatility for video output from tablets.

## Compatibility

The Satechi USB C to USB C 4.0 Pro Cable is engineered for broad compatibility with a wide range of devices, including those supporting USB 4, Thunderbolt 3, Thunderbolt 2, and all USB 3 and USB 2 standards. Please note that cable speeds may be limited by devices that do not fully support the USB4 protocol.

### Compatible Devices Include:

- **Mac:** MacBook Pro 16-inch (2019 - 2024), MacBook Pro 14-inch (2021 - 2024), MacBook Pro 13-inch (2016 - 2023), MacBook Air 15-inch (2022 - 2025), MacBook Air 13-inch (2018 - 2025), iMac 24-inch (2021 - 2024), Mac Studio (2022 - 2025), Mac Mini (2018 - 2024), Mac Pro (2019).
- **Windows:** Microsoft Surface Pro 7/8/9, Microsoft Surface Laptop Studio, Lenovo ThinkPad X13 Gen 2, Lenovo X1 Gen 1 Carbon, Lenovo Yoga 720-12IKB, Lenovo Legion S7 15ACH6, Dell XPS 13 9315.
- **iPad:** iPad Pro 13-inch (2024), iPad Pro 12.9-inch (2018 - 2022), iPad Pro 11-inch (2018 - 2024), iPad Air 13-inch (2024 - 2025), iPad Air 11-inch (2020 - 2025), iPad (2022 - 2025), iPad Mini (2021 - 2024).




Image: An illustration showing a variety of devices such as a smartphone, laptop, and tablet, emphasizing the cable's broad compatibility.

## Maintenance

To ensure the longevity and optimal performance of your Satechi USB C to USB C 4.0 Pro Cable, follow these simple maintenance tips:

- **Cleaning:** Gently wipe the cable and connectors with a soft, dry, lint-free cloth. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, coil the cable loosely. Avoid tight coiling or sharp bends, which can damage the internal wires. Store in a cool, dry place away from direct sunlight.
- **Handling:** Always grasp the connector head when plugging or unplugging the cable. Do not pull on the cable itself, as this can strain the connection points.
- **Inspection:** Periodically inspect the cable for any signs of wear, fraying, or damage to the connectors. If damage is observed, discontinue use.

## Troubleshooting

If you encounter issues with your Satechi USB C to USB C 4.0 Pro Cable, refer to the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Device not charging or slow charging. | Incompatible power adapter; cable not fully inserted; device issue. | Ensure power adapter supports PD and provides sufficient wattage. Re-insert cable firmly into both ports. Test with another cable or device. |
| No data transfer or slow data transfer. | Incompatible ports; driver issues; cable not fully inserted. | Verify both devices have compatible USB-C data ports (e.g., USB 4, Thunderbolt). Update device drivers. Re-insert cable. Try a different port on your device. |

| Problem | Possible Cause | Solution |
|---|---|---|
| No video output or flickering display. | Source device does not support DisplayPort Alt Mode/Thunderbolt; display settings incorrect; cable issue. | Confirm your source device's USB-C port supports video output. Check display settings on your computer (e.g., resolution, refresh rate). Re-insert cable. Try a different monitor or port. |
| Cable appears damaged. | Physical damage. | Discontinue use immediately. Contact Satechi customer support for assistance. |

## Specifications

| Feature | Detail |
|---|---|
| Model Number | ST-YU4120M |
| Connector Type | USB Type C to USB Type C |
| Cable Type | USB4 V1 |
| Power Delivery | Up to 240W (Extended Power Range - EPR) |
| Data Transfer Speed | Up to 40Gbps |
| Video Resolution | 8K @ 60Hz (Single Display), 4K @ 120Hz (Single Display), 4K @ 60Hz (Dual Display) |
| Cable Length | 4 ft / 1.2 m |
| Special Features | Braided, Data Transfer, Fast Charging, High Speed, USB-IF Certified |

## Warranty and Support

Satechi products are covered by a 2-year limited warranty against defects in materials and workmanship under normal use. For customer support, technical assistance, or warranty claims, please visit the official Satechi website or contact their customer service department directly.

**Online Resources:**

- Official Satechi Website: satechi.net
- Product Support Page: Refer to the support section on the Satechi website for your specific model.

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