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Club 3D CSV-2511

Club3D CSV-2511 USB-C Bidirectional Video + Data + PD Switch User Manual

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Club3D CSV-2511 USB-C Bidirectional Video + Data + PD Switch. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.
The Club3D CSV-2511 is a versatile USB-C switch designed to manage video, data, and power delivery connections bidirectionally. It allows you to switch between two USB-C sources to a single display/device or one USB-C source to two displays/devices, enhancing your workspace flexibility.

2. Product Overview

2.1 Key Features

- **Bidirectional Functionality:** Switch between two USB-C sources to one display/device, or one USB-C source to two displays/devices.
- **High Resolution Video:** Supports video resolutions up to 8K at 60Hz.
- **High-Speed Data Transfer:** Supports USB 3.2 Gen 2 specification with a maximum bandwidth of 10Gbps.
- **Power Delivery (PD) Pass-Through:** Supports up to 100W PD charging between host and dock/display.
- **Plug and Play:** No software or drivers required for operation.
- **KVM Upgrade Capability:** Can be combined with an existing docking station or hub for a KVM solution.

2.2 Package Contents

- Club3D CSV-2511 USB-C Bidirectional Switch
- USB-C Power Cable (for external power supply)

2.3 Product Diagram



Figure 1: Front view of the Club3D CSV-2511 switch with integrated USB-C cable.



Figure 2: The Club3D CSV-2511 switch shown with its retail packaging, highlighting its bidirectional USB-C functionality.



Figure 3: A close-up view of the two USB-C output ports on the switch, labeled for clarity.

3. Setup Instructions

Follow these steps to set up your Club3D CSV-2511 switch:

1. **Connect Power:** Connect the provided USB-C power cable to the DC 5V port on the switch and to a standard USB-C power supply (not included). This external power is required for the device to function correctly.



Figure 4: Diagram illustrating how to connect the USB-C power cable to the switch's DC 5V port.

2. **Connect Host Devices/Displays:**
    - **Scenario 1 (Two Sources to One Display):** Connect the integrated USB-C cable from the switch to your primary display or docking station. Then, connect your two USB-C host devices (e.g., laptops, PCs) to the two USB-C ports on the switch.
    - **Scenario 2 (One Source to Two Displays):** Connect one USB-C host device to the integrated USB-C cable of the switch. Then, connect your two USB-C displays or devices to the two USB-C ports on the switch.

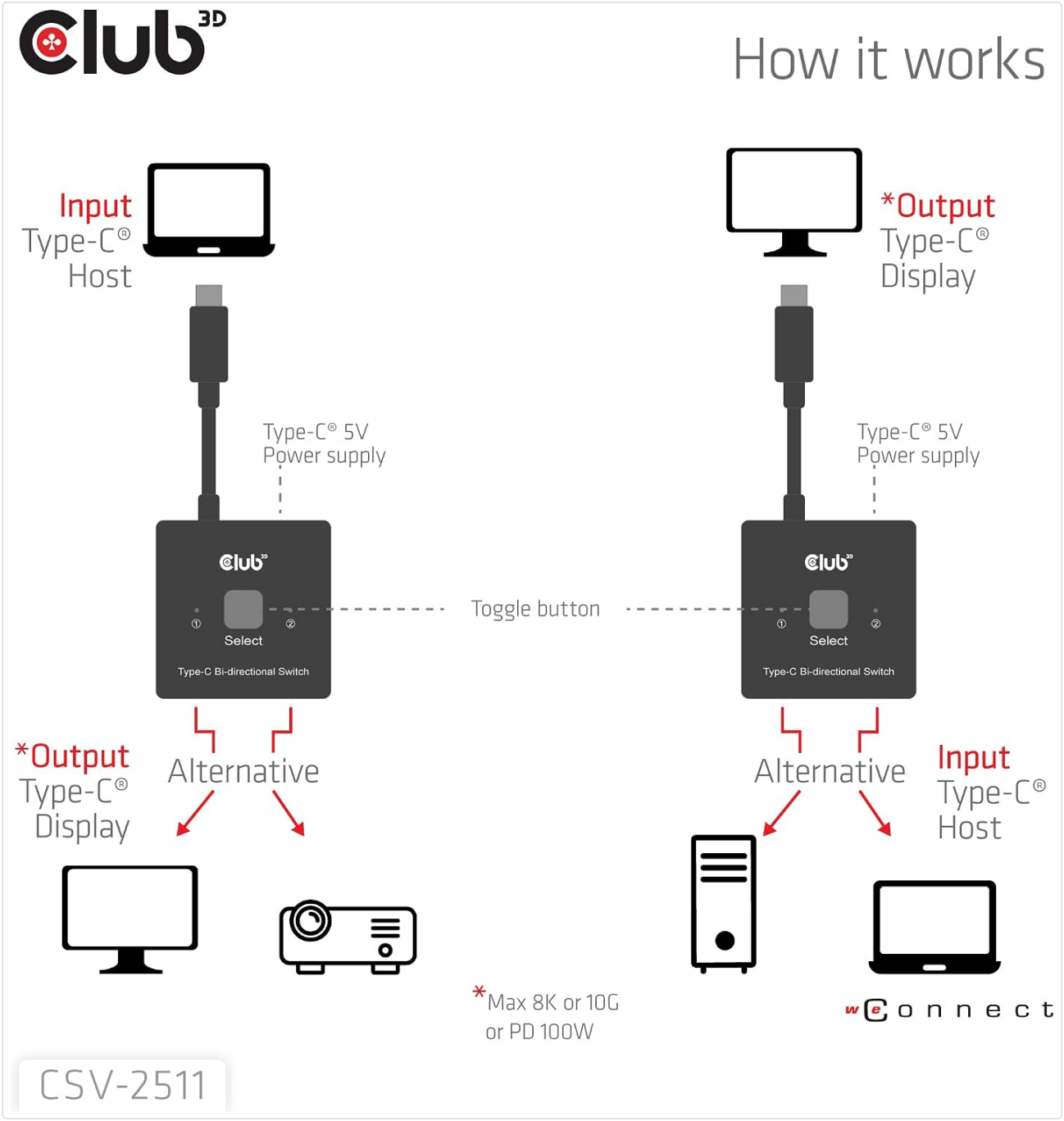


Figure 5: A diagram illustrating the two primary operational modes: two input sources to one output display, or one input source to two output displays.

3. **Verify Connections:** Ensure all USB-C cables are securely connected. The switch will automatically detect connected devices.

4. Operating Instructions

The Club3D CSV-2511 switch operates with a simple button press:

1. **Switching Between Devices/Displays:** Press the 'Select' button located on the top of the switch to toggle between the connected USB-C ports. The LED indicators (1 and 2) will illuminate to show which port is currently active. Only one route is active at a time.
2. **Bidirectional Use:** The switch functions bidirectionally. This means it can direct a signal from two sources to one destination, or from one source to two destinations. The 'Select' button controls which path is active.
3. **KVM Integration:** For a KVM-like experience, connect the switch to your existing docking station or hub. This allows you to control two computers using a single set of peripherals (keyboard, mouse, monitor) connected through your dock.

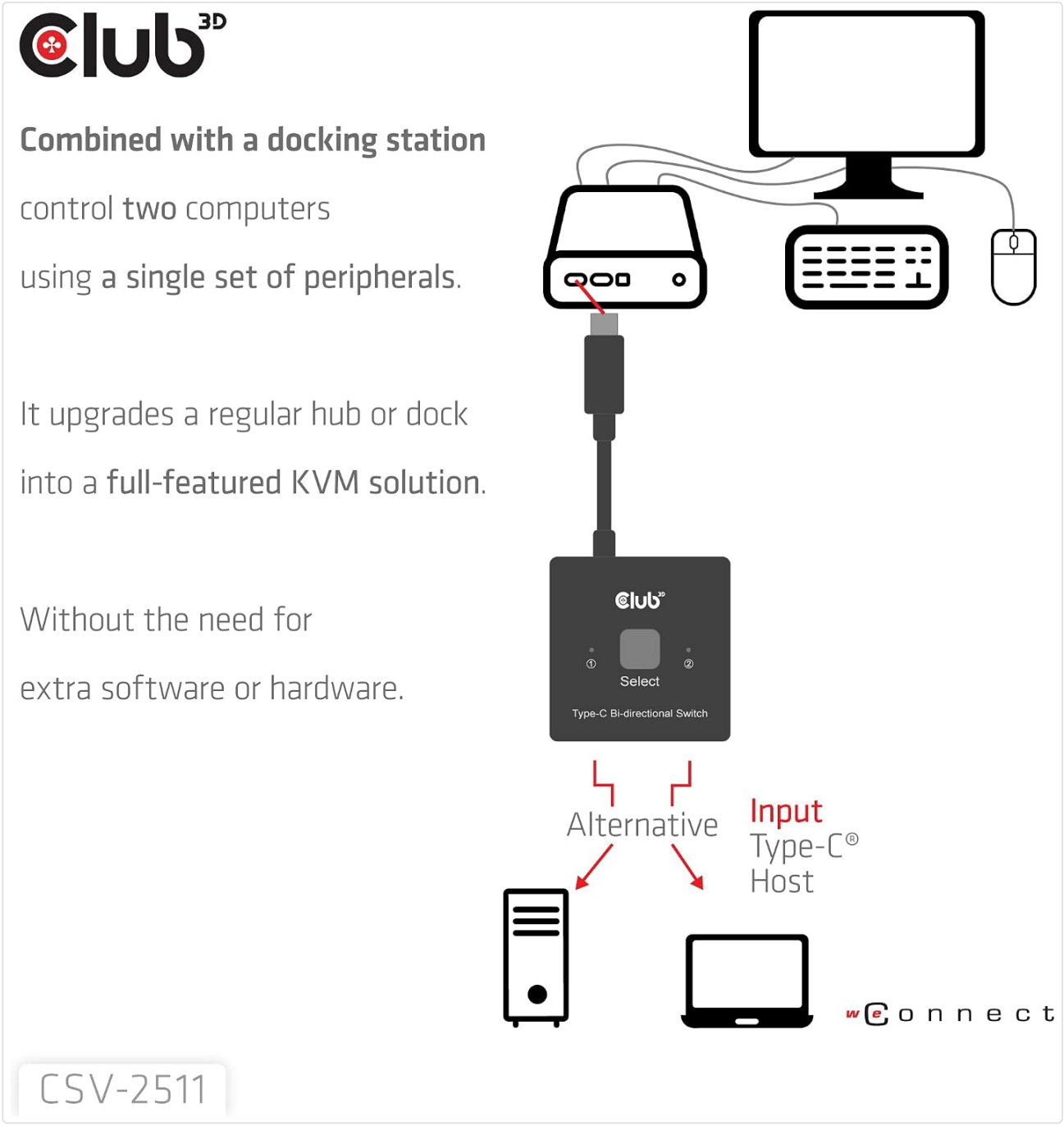


Figure 6: Diagram showing the Club3D CSV-2511 integrated with a docking station to control two computers with one set of peripherals.

5. Specifications

Feature	Specification
Model Number	CSV-2511
Hardware Interface	USB Type C
Compatible Devices	Laptop, Monitor, PC
Data Transfer Rate	10 Gigabits Per Second (USB 3.2 Gen 2)
Power Delivery	Up to 100W PD Pass-Through
Video Resolution	Up to 8K@60Hz

Number of Ports	4 (1 integrated USB-C cable, 2 USB-C ports, 1 USB-C for power)
Product Dimensions	5.5 x 5.5 x 1.5 cm
Item Weight	45 g
Color	Black

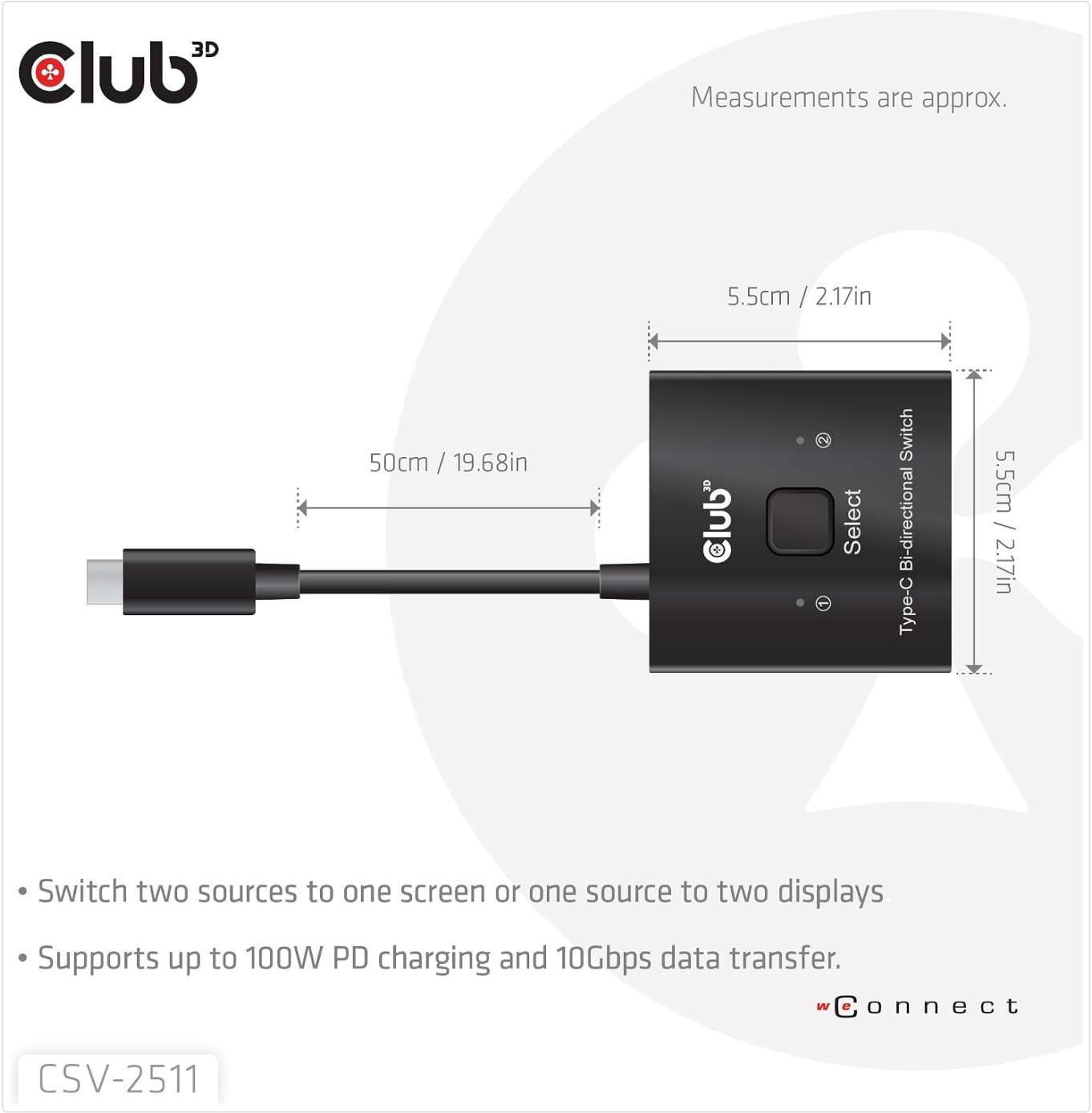


Figure 7: Approximate dimensions of the Club3D CSV-2511 switch.

6. Troubleshooting

If you encounter issues with your Club3D CSV-2511 switch, refer to the following common problems and solutions:

- **No Display Output:**
  - Ensure the switch is powered by an external USB-C power supply.

- Verify all USB-C cables are securely connected to the switch, host devices, and displays.
- Press the 'Select' button to ensure the correct port is active (indicated by the LED).
- Check if your host device and display support USB-C Alt Mode for video output.
- Test with different USB-C cables, as cable quality can affect performance.

- **No Data Transfer:**
  - Confirm the switch has external power.
  - Ensure your connected devices and cables support USB 3.2 Gen 2 data speeds.
  - Try reconnecting the USB-C cables.
- **Power Delivery Not Working:**
  - Ensure the external USB-C power supply connected to the switch is capable of providing sufficient power (e.g., 60W or 100W PD charger).
  - Verify that your host device and connected display/dock support USB-C Power Delivery.
- **Intermittent Connection:**
  - Check for loose connections.
  - Ensure there is no interference from other electronic devices.
  - Consider using shorter, high-quality USB-C cables.

7. Maintenance

To ensure the longevity and optimal performance of your Club3D CSV-2511 switch, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the device to strong impacts. Do not attempt to disassemble the device, as this will void the warranty.

8. Warranty and Support

Club 3D products are designed for reliability and performance. For warranty information, technical support, or to view additional product details, please visit the official Club 3D website or contact their customer service.
Official Product Page: https://www.club-3d.com/en/detail/2700/
For further assistance, you may also visit the Club 3D store on Amazon:Club 3D Amazon Store

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