

## ROYY S1

# ROYY Laptop Screen Extender Dual Monitor User Manual

Model: S1

## 1. INTRODUCTION

Thank you for choosing the ROYY Laptop Screen Extender Dual Monitor. This portable display solution is designed to enhance your productivity by providing an extended workspace for your laptop. Featuring a 14-inch FHD IPS 1080P display, it offers superior visual quality and versatile connectivity options for various operating systems and devices. This manual provides essential information for setup, operation, and maintenance of your new screen extender.

## 2. WHAT'S IN THE Box

Please verify that all items listed below are included in your package:

- Laptop Screen Extender x 1
- USB-C to USB-C Cable x 1
- USB-A to USB-C Cable x 1
- HDMI to USB-C Cable x 1
- User Manual x 1

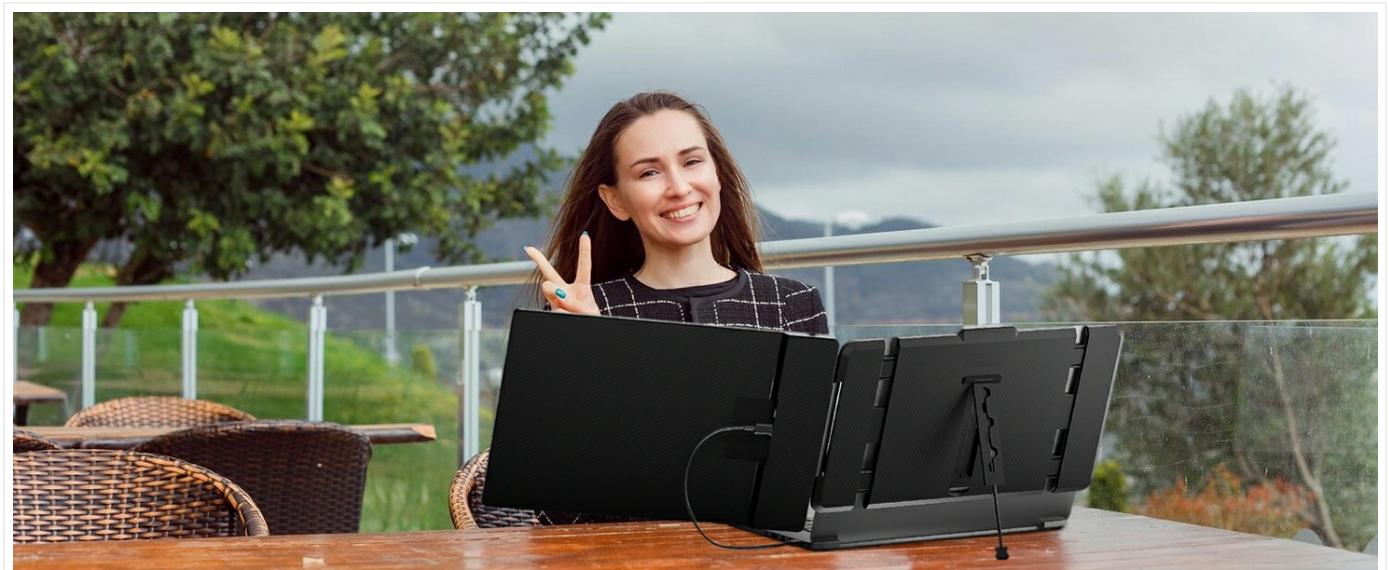


Figure 2.1: Package Contents. The image displays the ROYY Laptop Screen Extender, along with the included USB-C to USB-C cable, USB-A to USB-C cable, HDMI to USB-C cable, and the user manual.

### 3. SETUP AND CONNECTION

The ROYY Laptop Screen Extender offers flexible connection methods to suit various laptop configurations. Ensure your laptop is powered on before connecting the extender.

#### 3.1. Attaching the Extender to Your Laptop

The extender is designed to fit laptops between 13.3 and 17 inches. Carefully extend the mounting clips and position the extender securely on the top edge of your laptop screen. The integrated kickstand can be adjusted for optimal viewing angle and stability.



Figure 3.1: Attaching the Screen Extender. This image illustrates how the ROYY screen extender attaches to a laptop, highlighting its adjustable stretch length and 180-degree rotation capability for various laptop sizes.

#### 3.2. Connection Methods

##### 3.2.1. USB-C to USB-C Connection (Recommended)

For laptops with a full-featured USB-C port (supporting video output and power delivery), use the provided USB-C to USB-C cable. This single cable provides both video signal and power to the screen extender.

1. Connect one end of the USB-C to USB-C cable to your laptop's full-featured USB-C port.
2. Connect the other end of the cable to the designated USB-C input port (Port 2) on the screen extender.

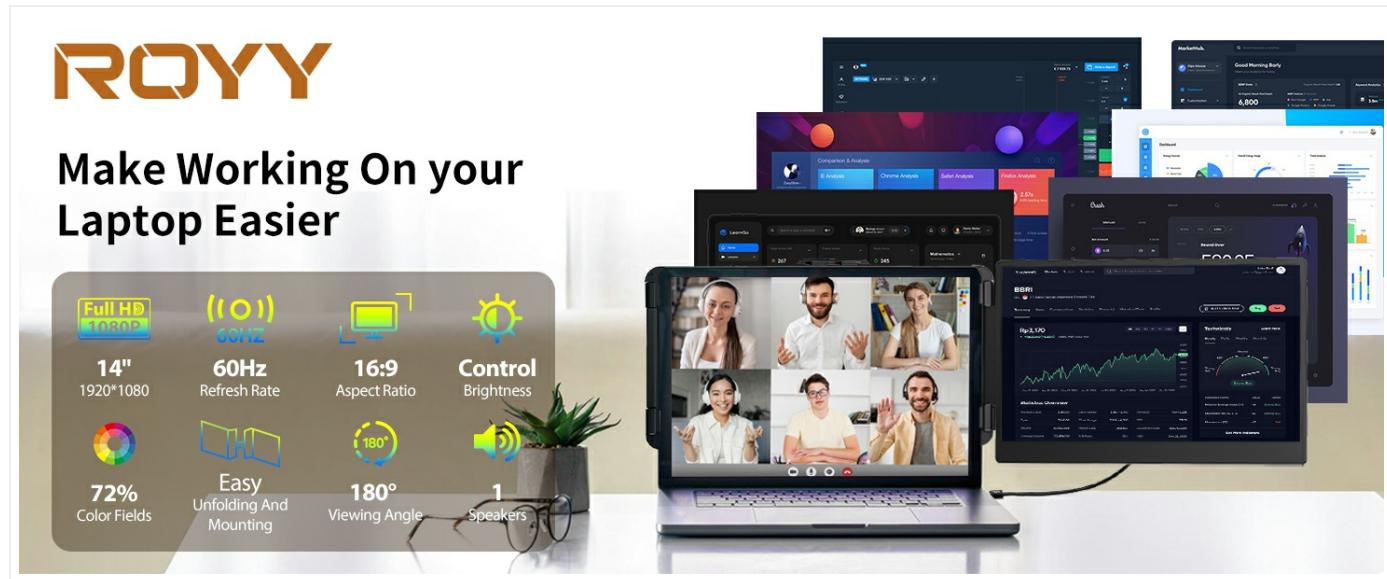


Figure 3.2: USB-C to USB-C Connection. This diagram illustrates connecting the screen extender to a laptop using a single USB-C to USB-C cable, highlighting the full-featured USB-C port on the laptop and the corresponding port on the extender.

### 3.2.2. USB-A to USB-C & HDMI to USB-C Connection

If your laptop does not have a full-featured USB-C port, you can use a combination of USB-A and HDMI cables for video and power.

1. Connect the USB-A to USB-C cable from your laptop's USB-A port to Port 2 on the screen extender for power supply.
2. Connect the HDMI to USB-C cable from your laptop's HDMI port to Port 3 on the screen extender for video signal.

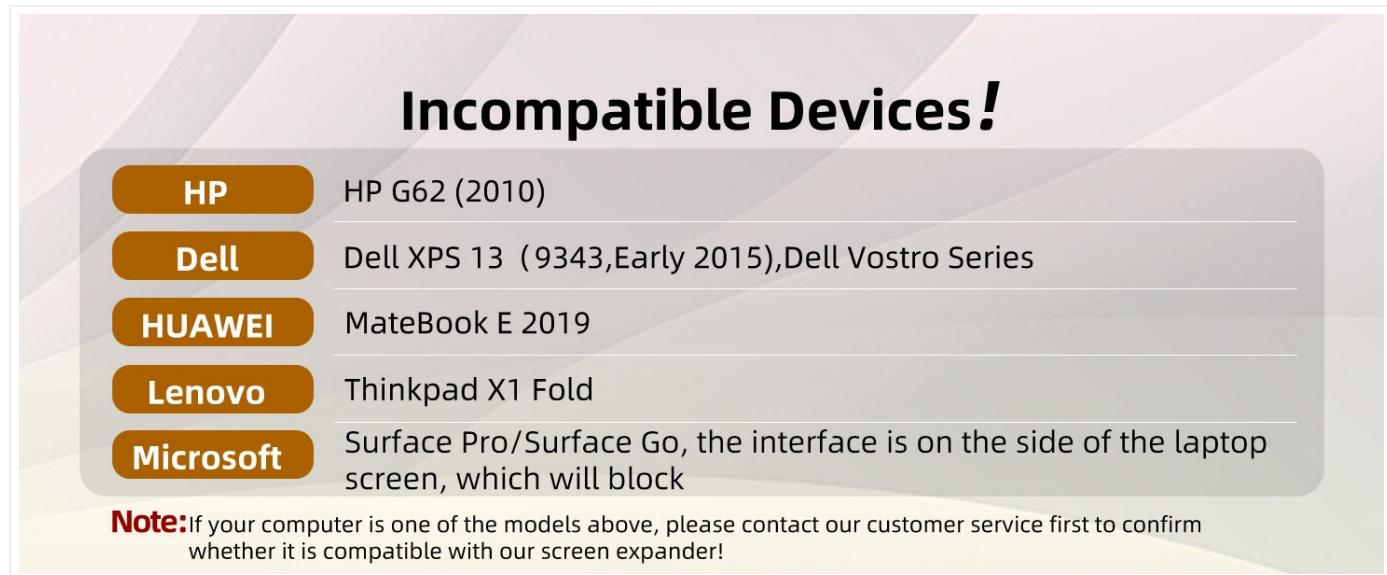


Figure 3.3: USB-A & HDMI Connection. This diagram shows how to connect the screen extender using both a USB-A to USB-C cable for power and an HDMI to USB-C cable for video, suitable for laptops without a full-featured USB-C port.

## 4. OPERATING THE SCREEN EXTENDER

Once connected, your operating system should automatically detect the new display. You can configure the display

settings through your laptop's operating system.

## 4.1. Display Modes

The ROYY screen extender supports various display modes to suit your workflow:

- **Extend Mode:** Expands your desktop across both screens, allowing you to multitask with multiple applications open simultaneously. This is ideal for increased productivity.
- **Mirror Mode:** Duplicates your laptop's display onto the extender, useful for presentations or sharing content with others.
- **Portrait Mode:** Rotates the display vertically, beneficial for coding, reading long documents, or viewing social media feeds.

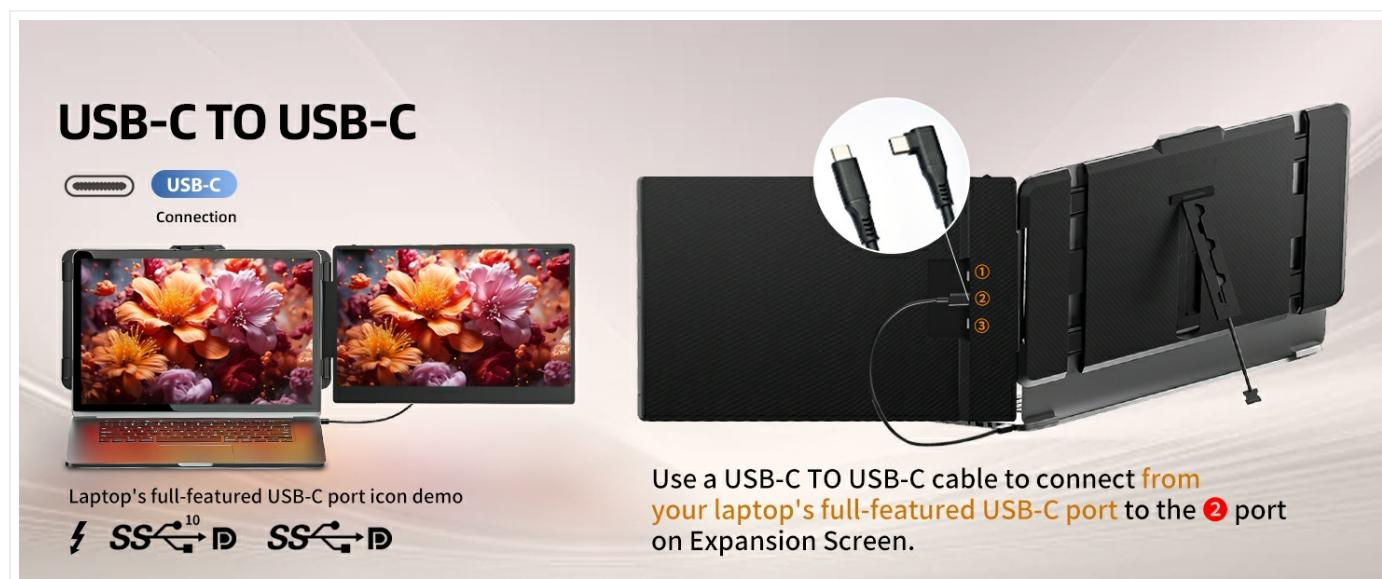


Figure 4.1: Extend Mode. This image demonstrates the screen extender in extend mode, allowing for an expanded desktop workspace.



Figure 4.2: Duplication Mode. This image shows the screen extender mirroring the laptop's display, useful for presentations.

## USB-C TO USB-C & HDMI TO USB-C



If your laptop doesn't have a full-featured USB-C port. Expansion screen's ② port connect to laptop's plain USB-C port with USB-C TO USB-C cable; the ③ port connect to laptop's HDMI port with HDMI to USB-C cable.

Figure 4.3: Portrait Mode. This image illustrates the screen extender in portrait orientation, ideal for viewing long documents or code.

## 4.2. Adjusting Display Settings

You can adjust brightness, contrast, and other display settings directly on the screen extender using its integrated controls, or through your laptop's display settings (e.g., Windows Display Settings, macOS System Settings > Displays).

# Connection Method

## USB-C TO USB-C



Use a USB-C TO USB-C cable to connect from your laptop's **full-featured USB-C port** to the **②** port on Expansion Screen.

Laptop's full-featured USB-C port icon demo



## USB-A TO USB-C & HDMI TO USB-C



If your laptop doesn't have a full-featured USB-C port. Expansion screen's **②** port connect to laptop's USB-A port with USB-A TO USB-C cable; the **③** port connect to laptop's HDMI port with HDMI to USB-C cable.

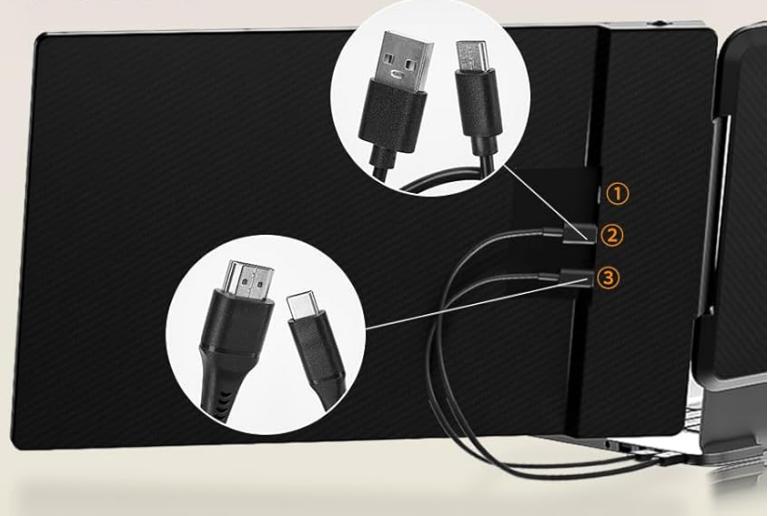


Figure 4.4: Display Quality. This image emphasizes the visual specifications of the 14-inch IPS display, including 1080P resolution, 1000:1 contrast, 300 nits brightness, and 72% NTSC color gamut.

## 5. MAINTENANCE

Proper care and maintenance will ensure the longevity of your ROYY Laptop Screen Extender.

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen and exterior. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Storage:** When not in use, fold the screen extender compactly and store it in a protective case to prevent scratches and damage.
- **Handling:** Avoid applying excessive force or pressure to the screen or hinges. Handle the device by its frame rather than the screen surface.

## 6. TROUBLESHOOTING

If you encounter issues with your ROYY Laptop Screen Extender, please refer to the following common solutions:

## 6.1. "No Signal" Message

This typically occurs if your laptop does not have a USB-C or HDMI port that supports video output, or if the connection is not secure.

**Q:** Why does the screen extender show "No Signal"?

**A:** Generally, this happens because your laptop does not have a USB-C or HDMI port that supports video output. Ensure your laptop's port is full-featured (supports video, power, and data). Check all cable connections to ensure they are firmly seated. Try restarting your laptop.



Figure 6.1: Troubleshooting "No Signal". This image provides a visual guide for resolving the "No Signal" error, emphasizing checking port compatibility and cable connections.

## 6.2. Screen Extender Does Not Light Up

The screen extender requires sufficient power to operate.

**Q:** The screen extender does not light up after connecting?

**A:** It may be that your computer does not have enough power. Please charge the monitor using an external power source that provides 5V/2A power, or ensure your laptop is connected to its power adapter.

## 6.3. Compatibility Issues

While the ROYY screen extender is widely compatible, certain laptop models may have specific limitations.

**Q:** How do I know if my laptop is compatible with this screen extender or not?

**A:** Your laptop needs to have 1 full functioning USB-C port (supports video output) or 1 USB-A/USB-C port plus 1 HDMI port (supports video output).

**Q:** What are the laptop size requirements?

**A:** The laptop screen extender is suitable for 13.3-17 inch laptops with a 16:9 aspect ratio. Please measure your laptop before you buy.



Figure 6.2: Incompatible Devices. This image lists specific laptop models that are known to be incompatible with the screen extender, such as HP G62 (2010), Dell XPS 13 (9343, Early 2015), Dell Vostro Series, HUAWEI MateBook E 2019, Lenovo Thinkpad X1 Fold, and Microsoft Surface Pro/Surface Go (due to interface blocking).

## 7. SPECIFICATIONS

Feature	Detail
Model Number	S1
Screen Size	14 Inches
Resolution	1920 x 1080 Pixels (FHD 1080p)
Display Technology	IPS
Aspect Ratio	16:9
Image Brightness	300 nits
Screen Surface	Matte
Product Dimensions	1.6 x 7.42 x 8.15 inches
Item Weight	3.69 pounds
Voltage	12 Volts (DC)
Total USB Ports	2
On-mode power consumption	7.5 watts
Visible screen diagonal	14" / 36 cm

## 8. WARRANTY AND SUPPORT

ROYY products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided on the product packaging or visit the official ROYY website. Keep your purchase receipt for warranty claims.

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