

X-Rite EO3BAS

X-Rite i1Basic Pro 3 User Manual

Model: EO3BAS

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your X-Rite i1Basic Pro 3 device. Designed for imaging professionals, the i1Basic Pro 3 ensures accurate color for displays and projectors, and allows for verification of monitor and print quality, as well as spot color measurement. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The X-Rite i1Basic Pro 3 is a professional color calibration solution. It is engineered to meet the demands of color-critical workflows, providing precise color measurement and profiling capabilities.



Figure 2.1: Complete X-Rite i1Basic Pro 3 kit, showing the spectrophotometer, various accessories, and the protective carrying case.

Key Features:

- **Custom Profile Creation:** Create custom profiles for professionally calibrated Monitors and Projectors, including presets for video production workflows.
- **Enhanced Spectrophotometer Design:** The i1Pro 3 spectrophotometer features a new illuminant design with a custom, full-spectrum LED light source, improving device reliability and accuracy.
- **High Brightness Support:** Supports 5001 nit measurement for high monitor brightness levels and broadcast video standards (NTSC, PAL SECAM, Rec. 709, Rec. 2020, DCI-P3).
- **i1Profiler Software:** Includes i1Profiler software with basic and advanced modes for monitors and projectors, plus display and printer quality assurance functions.
- **PANTONE Color Manager:** Easily capture and manage spot colors, and keep your PANTONE libraries up to date with this color palette creation and swatch bridging software.

3. SETUP

Follow these steps to set up your X-Rite i1Basic Pro 3 for first use:

1. **Unpack the Device:** Carefully remove all components from the packaging. Verify that all items listed in the product overview are present.
2. **Software Installation:** Insert the i1Profiler software disc into your computer's optical drive, or download the latest version from the official X-Rite website. Follow the on-screen instructions to complete the installation. Ensure your operating system meets the minimum requirements.
3. **Connect the Device:** Connect the i1Basic Pro 3 spectrophotometer to your computer using the provided USB

cable. Ensure a secure connection.

4. **Initial Calibration:** Before first use, the device may require an initial calibration. Follow the prompts within the i1Profiler software to perform this step. This typically involves placing the device on its calibration plate.



Figure 3.1: The X-Rite i1Basic Pro 3 device and its packaging, illustrating the components as they appear when unboxed.

4. OPERATING INSTRUCTIONS

The i1Basic Pro 3 is primarily operated through the i1Profiler software. Below are general steps for common tasks:

4.1. Display Profiling

1. **Prepare Your Display:** Ensure your display has been on for at least 30 minutes to stabilize. Clean the screen surface.
2. **Launch i1Profiler:** Open the i1Profiler software. Select the "Display Profiling" workflow.
3. **Attach the Device:** Use the counterweight to hang the i1Basic Pro 3 spectrophotometer over the center of your display. Ensure the measurement window is flush against the screen.
4. **Follow On-Screen Prompts:** The software will guide you through the measurement process, including adjusting brightness and contrast, and measuring color patches.
5. **Save Profile:** Once measurements are complete, save the generated ICC profile. This profile will automatically be applied to your operating system.



Figure 4.1: The i1Basic Pro 3 spectrophotometer positioned on a monitor screen, ready for display calibration.

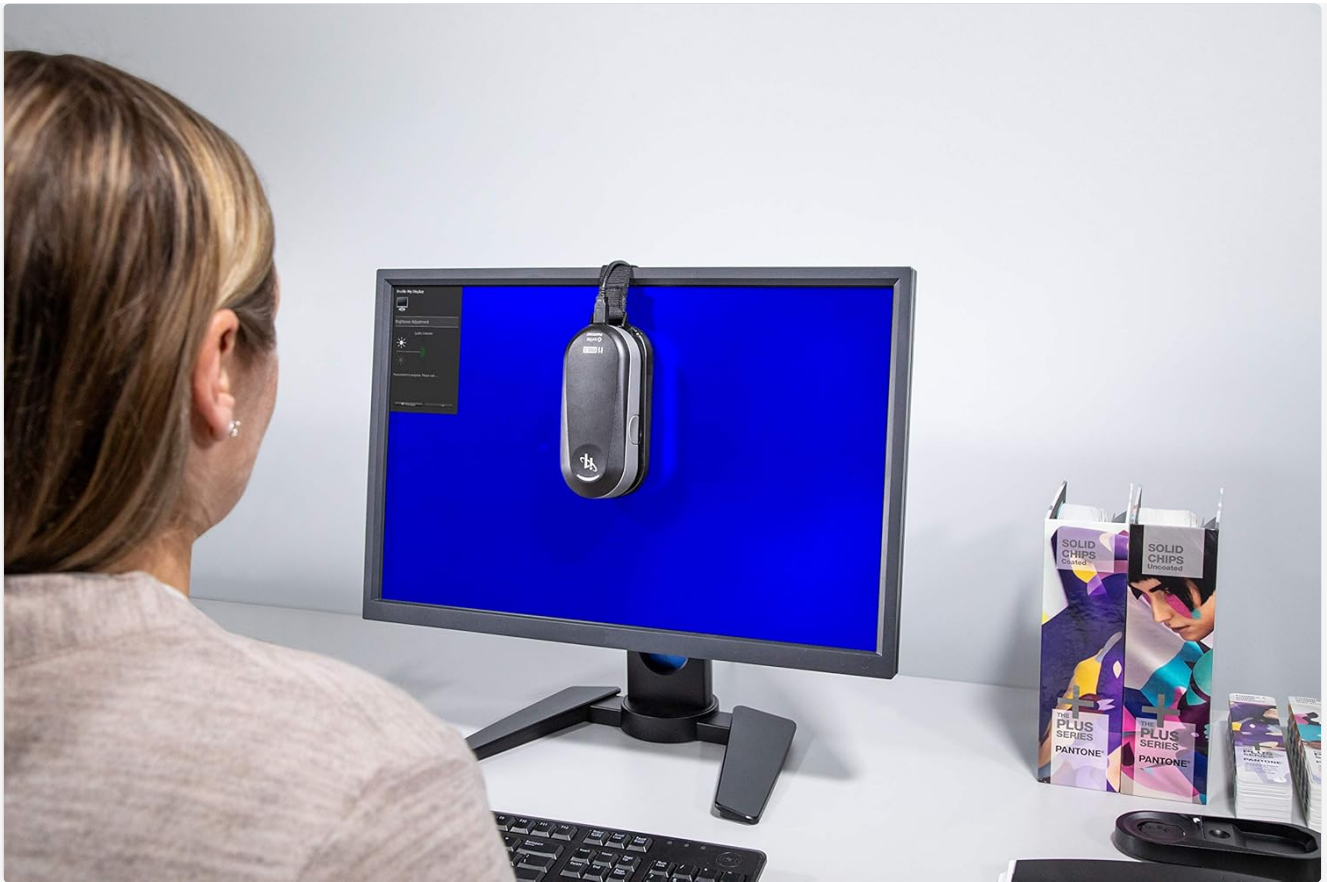


Figure 4.2: A user engaged in the process of calibrating a monitor using the X-Rite i1Basic Pro 3, demonstrating typical usage.

4.2. Projector Profiling

For projector profiling, the i1Basic Pro 3 uses ambient light measurement and projected color patches. Refer to the i1Profiler software's dedicated section for detailed steps, as this process requires specific setup of the projector and screen.

4.3. Spot Color Measurement

The i1Basic Pro 3 can also measure spot colors from physical samples. Use the included ruler and software interface to capture precise color data for integration into your digital workflows.

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your i1Basic Pro 3:

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the device's exterior. Do not use abrasive cleaners or solvents. Keep the measurement aperture clean and free of dust.
- **Storage:** When not in use, store the device in its protective carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Recalibration:** Perform regular recalibration of the device as prompted by the i1Profiler software, or at least once a week for critical work. This maintains measurement accuracy.
- **Software Updates:** Regularly check the X-Rite website for software updates to ensure compatibility and access to the latest features and improvements.

6. TROUBLESHOOTING

If you encounter issues with your i1Basic Pro 3, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not recognized by software.	USB connection issue, driver not installed, or software not updated.	Ensure USB cable is securely connected to both device and computer. Try a different USB port. Reinstall device drivers or i1Profiler software. Check for software updates.
Inaccurate color measurements.	Device needs calibration, dirty measurement aperture, or incorrect display settings.	Perform a device recalibration. Clean the measurement aperture. Ensure display is warmed up and set to native resolution. Check ambient lighting conditions.
Software crashes or freezes.	Outdated software, system incompatibility, or conflicting applications.	Update i1Profiler software to the latest version. Verify your computer meets the minimum system requirements. Close other demanding applications during profiling.

For further assistance, please refer to the X-Rite support website or contact customer service.

7. SPECIFICATIONS

Detailed technical specifications for the X-Rite i1Basic Pro 3 (Model: EO3BAS):

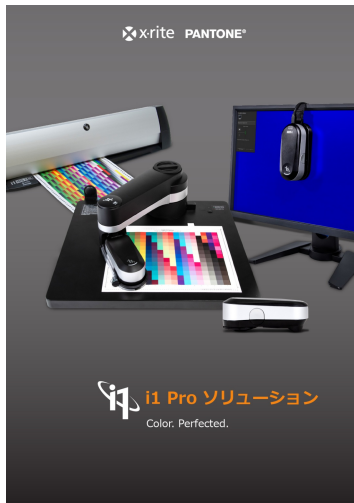
Feature	Detail
Product Dimensions (L x W x H)	6.38 x 2.72 x 2.52 inches
Item Weight	9.92 pounds
Model Number	EO3BAS
ASIN	B084GWQFSK
Manufacturer	X-Rite
Brand	X-Rite
Material	Metal
Screen Size (Visible Diagonal)	13.3 Centimeters (6 inches)
First Available Date	February 4, 2020

8. WARRANTY AND SUPPORT

X-Rite Support Website

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