

4K Production Monitor Quick Start Guide



4K Production Monitors

QUICK START GUIDE

Stunning color reproduction. Extreme contrasts with infinite blacks and pristine highlights. The versatile SmallHD 4K Production series of monitors combines the 4K HDR post-production viewing experience with the rugged construction needed for physical production environments. SmallHD 4K Production Monitors are powered by PageOS, the most sophisticated SmallHD toolset yet. We've updated PageOS for simplicity and speed, and streamlined color-calibration with Color Pipe. PageOS includes significant upgrades including our 4K production monitors, look around camera control, and Calman integration.



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The unit ships with a non-impact screen protector installed. (It will help protect from scratches.)

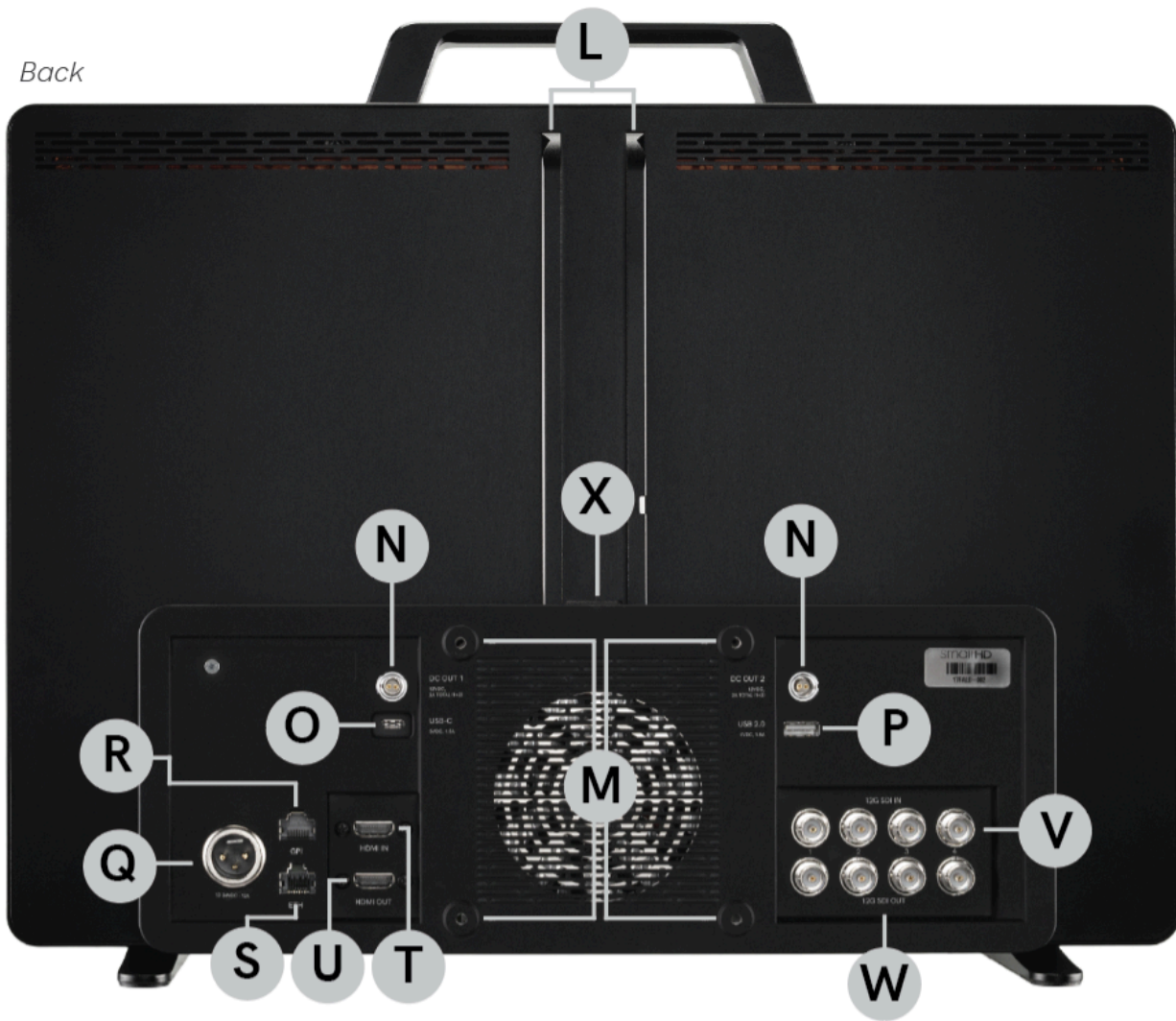


ACTIVATE WARRANTY

- i** To activate your monitor's warranty, please go to <https://activate.smallhd.com/>. You will need the serial number, which is located on the sticker where the battery goes (you may need to remove your battery to see it). You will also want to have a copy of your invoice from your purchase to confirm the purchase date.

PHYSICAL PROPERTIES





A: Removable Handle

B: Sliding Door - Stereo Headphone Jack, SD Card Slot, USB 2.0 (5VDC/2.4A)

C: Removable Monitor Feet

D: Power

E: Back Button

I: 8x Custom Function Buttons

J: Monitor Speaker

K: Tool-Free Locking Screen Protector

L: Dovetail Mounting Rail

M: 100mm VESA Compatible Mounting Points

Q: XLR Power Connector

R: RJ45 GPI

S: RJ45 Ethernet

T: HDMI Input

U: HDMI Output

F: Navigation Joystick

N: 2x 2-pin Locking LEMO 12V
(2A total combined)

V: 4x 12G-SDI Input

G: Input Select

O: USB-C (5VDC/1.5A)

W: 4x 12G-SDI Output

H: Settings Button

P: USB 2.0 (5VDC/1.5A)

X: Battery Plate Power Port

POWER AND CONNECT

POWER

1. Connect power to the monitor using the included AC power supply. If using a battery bracket (sold separately), attach a compatible Gold- or V-Mount battery (26v required for Vision 24 & OLED 27).
2. Press the power button.

SIGNAL

All video signals up to DCI 4Kp60 are supported. For full UHD/4K compatibility, be sure to use a 12G-SDI or HDMI 2.0 cable.

MOUNTING OPTIONS

CHEESE STICK MOUNTING RAILS

- Easily-swappable Cheese Stick Mounting rails can be replaced or swapped as needed (1/4"-20, 3/8"-16, and blank plate options available).

DOVETAIL MOUNTING RAIL

- Accommodates Dual Gold-Mount or V-Mount Battery Brackets, as well as other accessories (cheese plate, etc).

TERADEK BOLT 4K COMPATIBLE

- Easily connect Teradek Bolt 4K Receivers to any of the Cheese Stick Mounting points using a mounting arm/bracket of your choice.

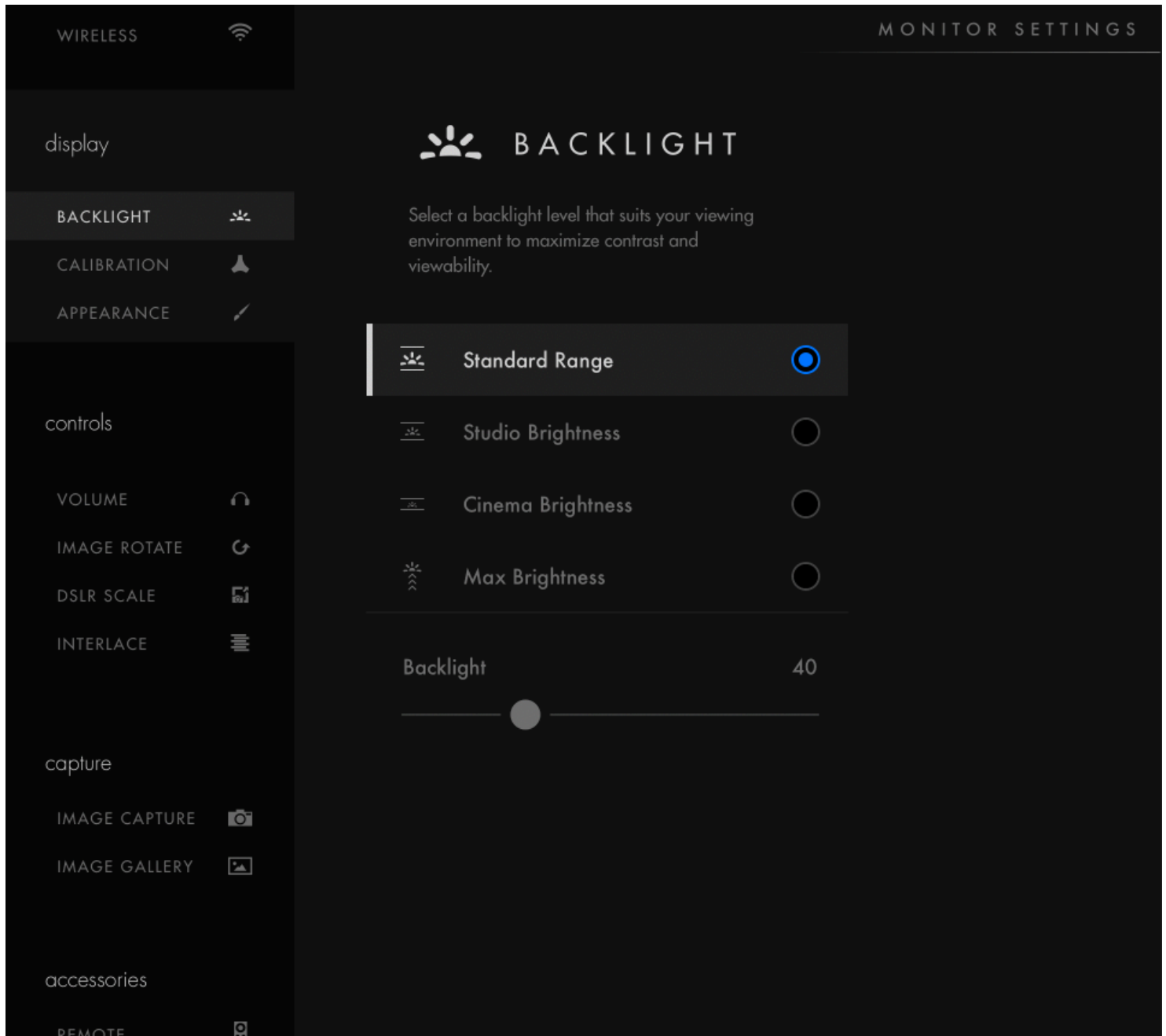


- Power your Receiver from one of the integrated 2pin power outputs, or sandwich between a battery bracket and battery. (Note: this may impact performance depending on orientation of Tx/Rx antennas).
- Connect Bolt 4K Receivers via SDI or HDMI.

PAGEOS 4 OVERVIEW

The PageOS 4 interface allows users to configure and assign specific image analyzing tools and/ or features to up to eight customizable pages. Users can access those tools by navigating to the corresponding page on the monitor, instead of enabling or disabling features individually.

General Layout



Pages View

The 'Pages View' offers a zoomed-out perspective of all configured pages, allowing organization and naming to ensure the most efficient overall setup.

- Press BACK BUTTON or thumbstick DOWN to access Pages View.
- Navigate thumbstick LEFT and RIGHT to cycle through Pages.
- Navigate thumbstick UP or PRESS thumbstick IN to select desired Page.



Settings

Adjust a wide range of global monitor settings.

- Navigate thumbstick LEFT until monitor settings appear.
- Press thumbstick UP and DOWN to navigate.
- Press thumbstick IN to select.
- Press BACK BUTTON to go to previous Page.

Dashboard

The Dashboard provides access to the most commonly-used settings such as Input, Volume and Backlight. The Dashboard can be disabled via **Full Settings > Dashboard**.

Basic Navigation





Joystick

Use the joystick to navigate the Pages menu:

- LEFT or RIGHT -- to change Pages
- DOWN -- Enter Page View mode
- UP -- Zoom or Exit Page View mode
- Button press or depress

Back Button

Click to close or navigate back/exit.

Function Buttons

Press and hold to program these custom function buttons as shortcuts.

Adding New Pages

To create a new page from either a fresh workspace, a template, or a specific utility, navigate to the right-hand side of the Pages View.

- Press BACK BUTTON or thumbstick DOWN to access Pages View.
- Navigate thumbstick RIGHT until New Page appears.
- Press thumbstick IN to create New Page.

Adding/Activating A New Tool

- Press thumbstick IN to bring up the Tool Bar.
- Select "Add New Tool" and navigate to the desired tool.
- Navigate thumbstick RIGHT to customize a highlighted tool.
- Press thumbstick IN to activate/deactivate a tool.
- Press the BACK BUTTON to go back or remove Tool Bar.

Settings: Feed

Input Config

Select an input to display its image -- configure a source to unlock log conversions into HDR and SDR color spaces.

Color Pipe

Follow the Wizard instructions to assign and configure color space and curve transformations, to enable HDR and SDR from incoming log-based sources.



Settings: Display

Backlight

Select a backlight level that suits your viewing environment to maximize contrast and viewability.

Calibration

Calibration ensures chrominance and luminance accuracy that can be relied upon for critical color decisions.

Appearance

Apply sharpening to the video data, if desired

Settings: Controls



Volume

Adjust the audio output level for the headphone jack and/or monitor speaker.

Image Rotate

Image Rotate options enable upside-down mounting - or enable Mirroring for when the monitor must face the subject.

Interlace

These options control how interlaced footage is displayed.



Settings: Capture

Image Capture

Configure the Image Capture tool to help facilitate shot matching or for automatic thumbnail creation upon pressing Record. (Note: SD card must be inserted into the monitor to perform an image capture).

Image Gallery

Browse the Image Gallery to review the images on your removable media.

Settings: Interface



Pixel Zoom

Configure the default zoom levels for Pixel Zoom to 'punch in' to a desired amount when spot checking a particular shot.

Status Display

Enable and configure the Status Display to get info on various monitoring-related data such as battery life and frames per second.

UI Lock

Once enabled, pressing and holding on the touchscreen for five seconds will lock the UI. Repeating the process will unlock the UI.

Language

Change the language of the internal menu system.

Settings: User



Backdrop

Enable a customizable backdrop for when the monitor is not displaying a signal.

Monitor ID

Set a custom name for your monitor, to make it more easily recognizable.

Date Time

Setting the correct Date & Time will ensure that captured images get an accurate timestamp.

Power

Power-related options such as auto recovery.



Profiles

Save or load the entire monitor's configuration to an SD card, great for keeping consistent settings across several monitors.

Settings: System

Firmware

Firmware can be updated by inserting an SD card with a compatible update file.

Factory Reset

Reset the monitor settings to its original factory settings, with the option to clear registration and calibration.

ADDITIONAL RESOURCES AND FCC COMPLIANCE

Additional Resources
guide.smallhd.com



Social Media
[@smallhd](https://twitter.com/smallhd)



For more info go to
smallhd.com/support



Certifications

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: this device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.