Ultra 10 Monitor Quick Start Guide



Rugged, powerful, and feature-packed, the Ultra 10 delivers exceptional performance with its 2000-nit brightness display, ensuring visibility even in bright environments. Ultra 10 features 6G-SDI connectivity, enabling seamless ingestion of 4K signals and a 2-pin power passthrough for streamlined setups. In addition, Ultra 10 includes an Ethernet port for camera control, a GPI interface for switching and triggering, four tactile dials, four tactile buttons, and a joystick for precise adjustments and operation. You can use the full suite of PageOS tools, functions, and settings on a 10-inch touchscreen monitor designed to meet the demands of professionals.

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

ACTIVATE WARRANTY

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: WiFi Receiver Antenna (for network connection only)

B: Touch Screen

C: UI Lock Switch

D: Power/Back Button

H: ¼"-20 Mounting Points

I: SD Card Slot

J: Headphone Input

K: HDMI Input

N: 5-Pin USB Port

O: RJ45 GPI

P: Power Input

Q: Power Output

E: Joystick

F: Custom Function Buttons

G: Multi Function Knobs

L: HDMI Output

M: RJ45 Ethernet

R: 6G SDI Input/Output

S: 6G SDI Output

POWER ON

1. Connect power to the monitor using the included 2-pin Locking Connector to D-Tap to a Gold or V-Mount battery (26v). If using a **Wooden Camera Micro Battery Plate** (sold separately), attach a compatible Gold- or V-Mount battery (26v) to the plate.
2. Press the power button.

SIGNAL

All video signals up to 4Kp30 6G are supported. For full UHD/4K compatibility, use a 12G-SDI or HDMI 2.0 cable.

INSTALLING CORNER BRACKETS, FEET, AND DIAL GUARDS

1. Slide the bottom bumpers off the monitor to remove them.
2. Insert the foot brackets into the spaces where the bumpers were, and secure them to the monitor using one of the included Captive M3 Screws.
3. Attach the foot to the bottom of the bracket by fastening a Captive M4 Screw into the corresponding screw hole.







4. Secure the side guard rails to the sides of the foot bracket by inserting two M2.5 Flat Head Cap Screws into the corresponding screw holes. **NOTE: Repeat steps 1-5 to install the foot, bracket, and dial guards on the opposite side of the monitor.**
5. Fasten the front dial guard to the screw holes on the lateral sides of the knobs using two M2.5 Captive Screws.





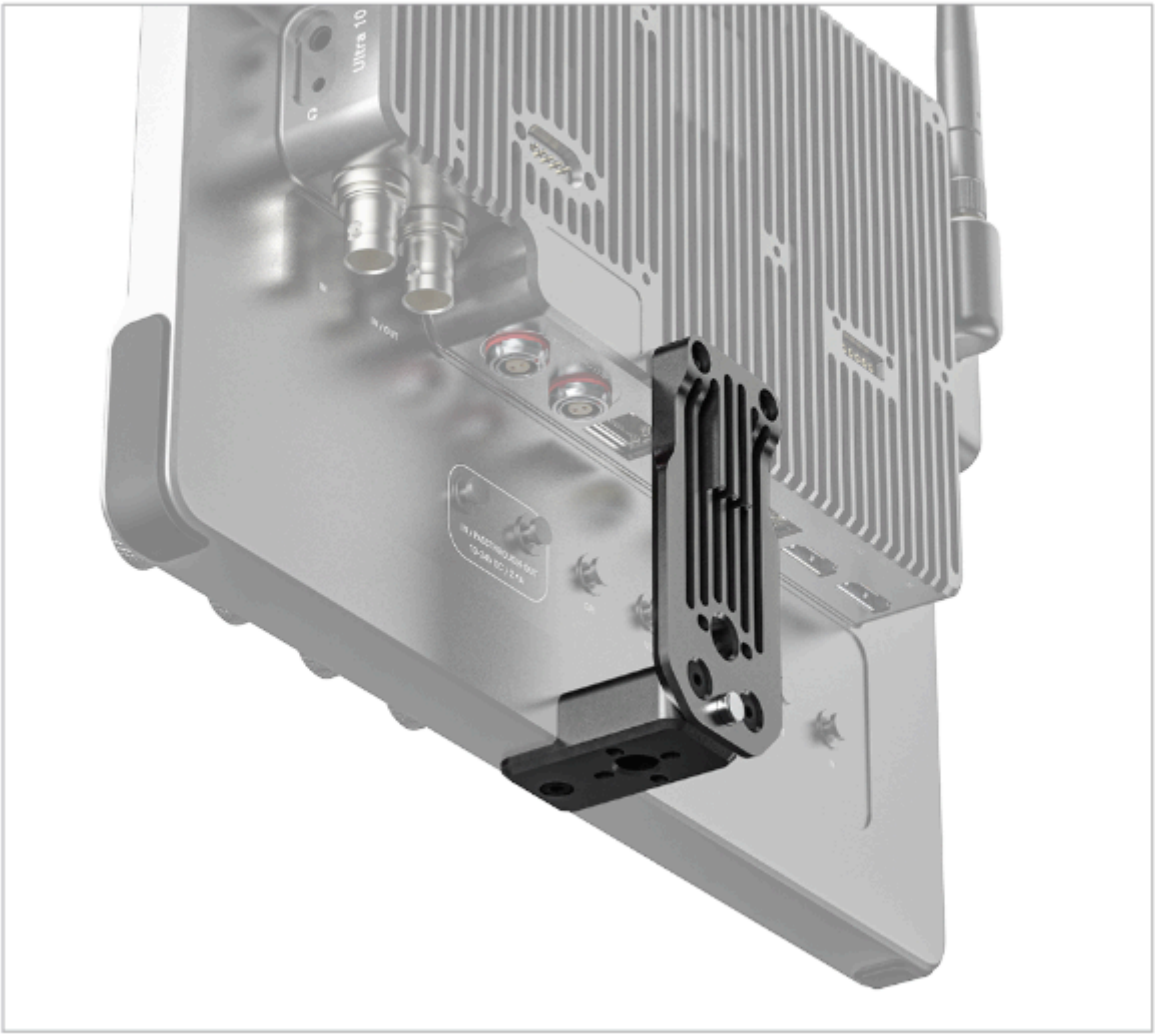
MOUNTING OPTIONS

¼"-20 MOUNTING POINTS

There are ¼"-20 mounting points on each side of the monitor as well as **7x** ¼"-20 on top. These can be used for mounting handles or other accessories.

ARCA MOUNTING RAIL

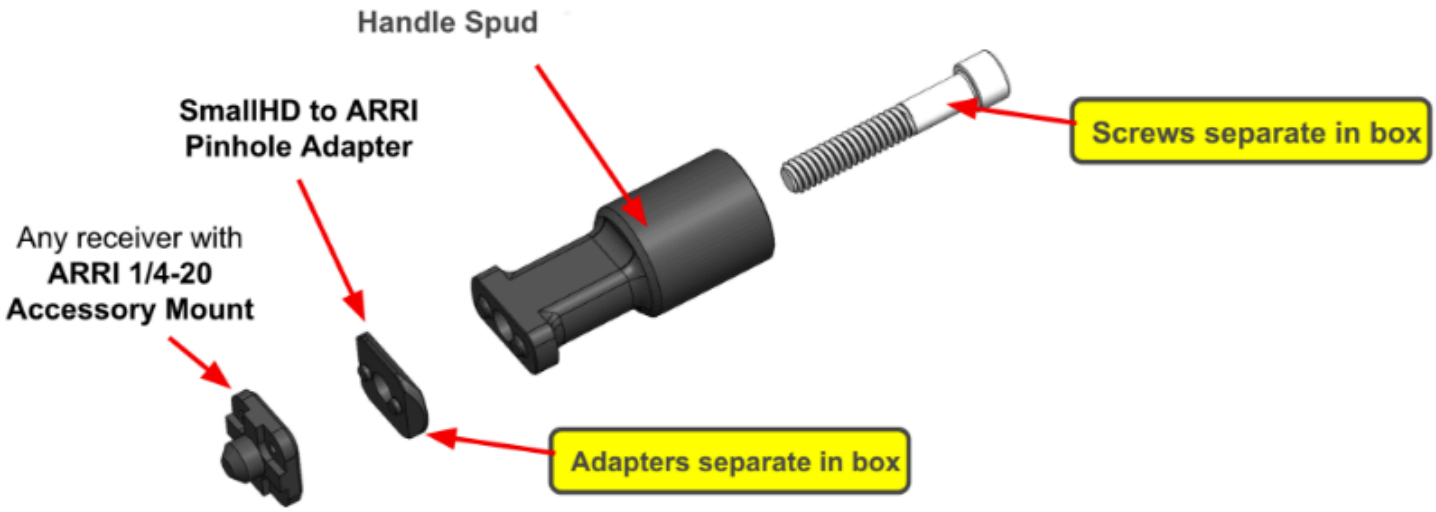
- Ultra 10 accommodates an arca rail mounting option, including the **Ultra QR Articulating Monitor Mount**



ADAPTERS REQUIRED FOR HANDLES

NOTE: As of early 2025, the Ultra 10 Monitor features ARRI-compatible ¼"-20 mounting points, replacing the previous standard ¼"-20 mounting points.





TERADEK BOLT 6/BOLT 4K COMPATIBLE

- Using a mounting arm or bracket, you can easily connect Teradek Bolt 6 and Bolt 4K Receivers to any Cheese Stick Mounting points.

- Power your Receiver from one of the integrated 2-pin power outputs or sandwich it between a battery bracket and battery. **NOTE: This may impact performance depending on the orientation of the TX/RX antennas.**
- Connect your Bolt 6 or Bolt 4K Receiver via SDI or HDMI.

PAGE OS OVERVIEW

The PageOS 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.

Interactive Overlays
EI, ND, FPS, WB, and SHUTTER can be changed by interacting with the camera's corresponding overlay. If you tap one of these fields, the monitor will display a drop-down list to change it to a different value. NOTE: These controls can only be adjusted with a camera control license for the camera you are using. The camera control license is sold separately.

EL Zone
EL Zone is a stop-based exposure map tool—developed in collaboration with legendary cinematographer Ed Lachman, ASC that works like a virtual spot meter, replacing IRE exposure values with stops. Sensor data from the camera provides a reference point, and a false color represents each stop above and below 18% gray, allowing for easier, more intuitive on-set communication.

EL Zone is only possible to use if you are feeding your SmallHD monitor a Log signal. It doesn’t work if you are inputting a signal with a LUT enabled.

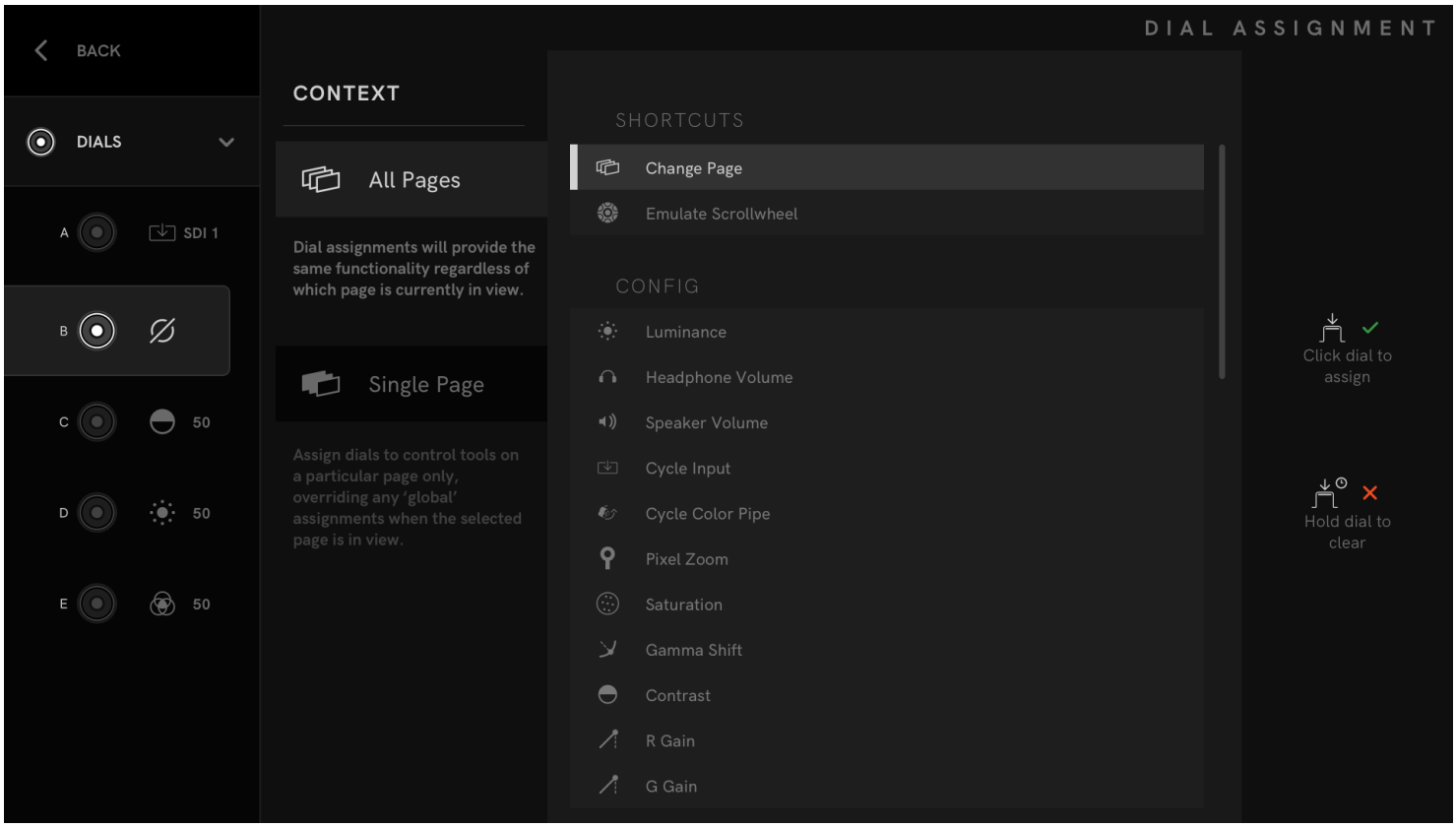
To enable EL Zone, make sure you create a color pipe in your monitor's settings menu. You will need to send the monitor a LOG signal and select the log signal that you will be sending it. **NOTE: Make sure you select "Do Not Convert" in the Color pipe options**.



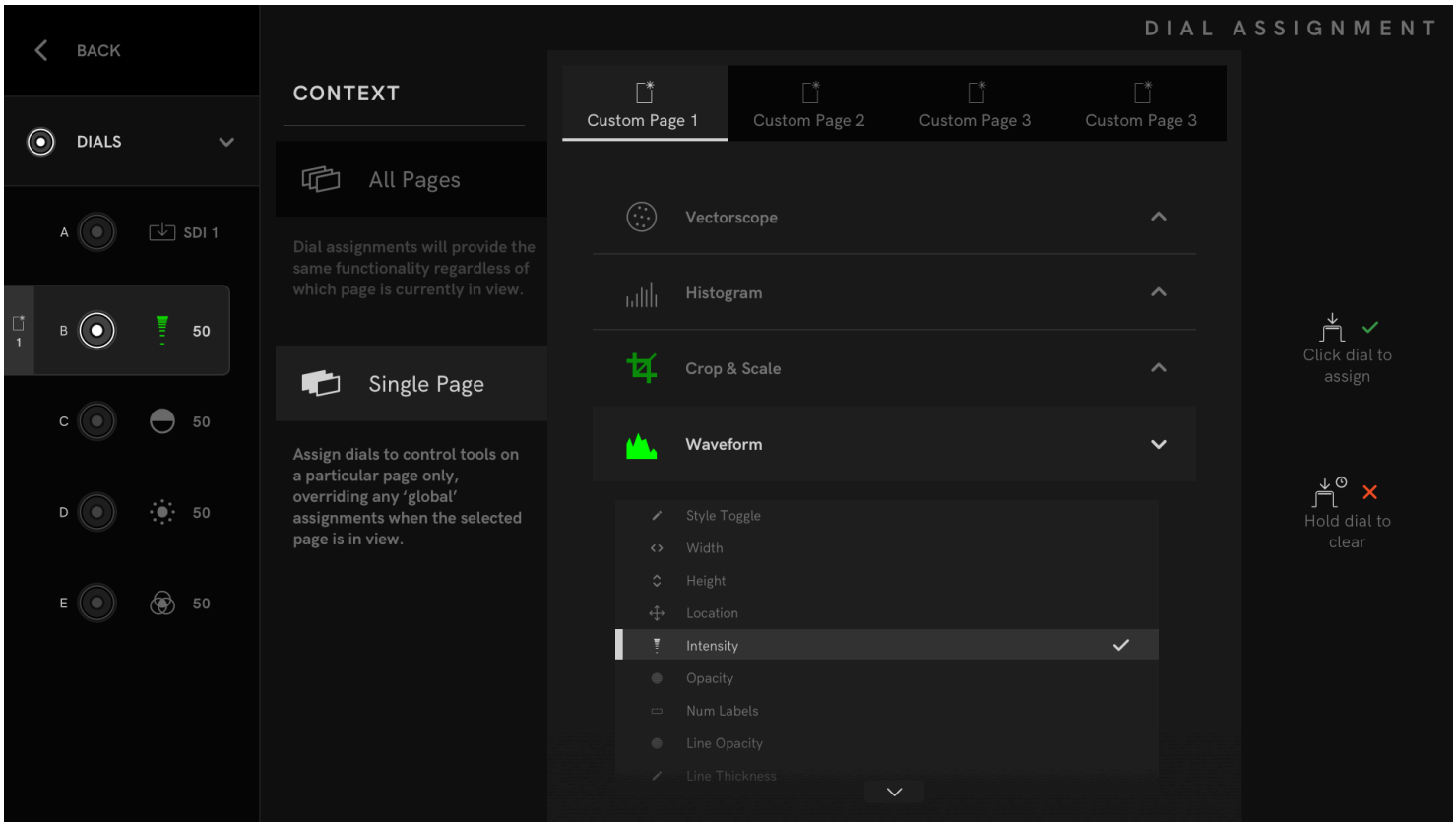
Capacitive Touch Dials

Touching the dials reveals assigned functions and values before making adjustments. Pressing the dial inward will reset to the function's default value.

- **Dial Editing Functions** - Press and Hold the dial, select the desired function from the **DIAL ASSIGNMENT** menu, and press the dial again to select. Functions can be assigned to **All Pages** (by default)



or a **Single Page**, which will assign the function to a specific tool within a page only.



The assigned tool-specific function icon will turn green to designate its selection for the specific page. The Dial LEDs follow the function color scheme found in the menu to help visually identify assigned tools (**Blue** indicates **ALL PAGES** and **Green** indicates **SINGLE PAGE** operation).

For more information on the **User Functions**, click **here**.



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

Delete a Page
Zoom out and navigate to the page you would like to delete, push down with your joystick to select the delete option, or if using touch just press the delete button and then confirm.

Adding/Activating A New Tool

- Press the thumbstick IN to bring up the Tool Bar.
- Select “Add New Tool” and navigate to the desired tool.

- Navigate the thumbstick RIGHT to customize a highlighted tool.
- Press the thumbstick IN to activate/deactivate a tool.
- Press the BACK BUTTON to go back or remove the Tool Bar.

Settings: Feed

Input and Output
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, and to enable HDR and SDR from incoming log-based sources. You can also access the steps **here**.



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





External Control
Configure the monitor to be controlled by an external device.

User Functions
Create customizable functions with pre-built layouts to quickly change monitor settings and tools.

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. A UI Lock Switch is also located on the front of the monitor which can be configured to lock buttons and touch, or just touch screen in the system menu **Settings > Interface > UI Lock**

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.
NOTE: Use an SD card of 16GB or smaller for firmware updates, as larger cards are incompatible with the monitor.

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

ADDITIONAL RESOURCES

If you have any questions about your product please Support@smallhd.com

- **SMALLHD SUPPORT**
- **INSTAGRAM**
- **FACEBOOK**
- **YOUTUBE**
- **X/SMALLHD**
- **LINKEDIN**

COMPLIANCE

FCC Certification
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.

For all other Compliance Certifications (EC, EU, FCC, IC, MIC, RCM), please visit the **Regulatory Information** page

