


PORTABLE MONITOR U13NA


User Manual

* Please read the manual carefully before use and keep the manual.


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01. About Your Monitor

Monitor Specifications


Screen Type	IGZO
Screen Size	13.4 inch, 288x180mm
Resolution	3840 x 2400
Aspect Ratio	16 : 10
Color Gamut	sRGB 100%
Color Depth	16.7 Million colors
Color Temperature	6500K
Brightness	500 cd/m ²
Contrast Ratio	1500 : 1
Viewing Angle	Horizontal 178°, Vertical 178°
Refresh Rate	60 Hz
Net Weight	1.04 lbs
HDR Support	Yes
FreeSync Support	Yes
Power Consumption	12W
Connectivity	Mini HDMI, 3.5mm Audio Jack, 2 Full-featured Type-C ports
Built-in devices	Speakers(1Wx2)

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What's in the Box


Please contact us if anything is missing or damaged, support@intehill.com




Portable Monitor



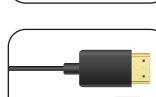
Magnetic Cover/Stand




USB Type C to USB Type C Cable
 For power and video signal transmission.
 Can be connected to the Type-C port of your device for power and display by single cable.



USB Type C to USB Type C Cable
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Mini HDMI to HDMI Cable
 For video signal transmission
 External power supply is required.

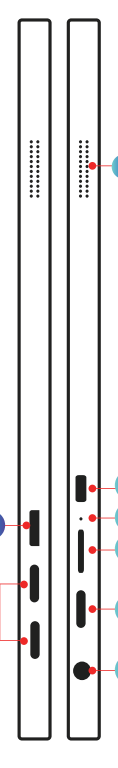


Power Adapter PD 20w

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Identifying Parts and Controls



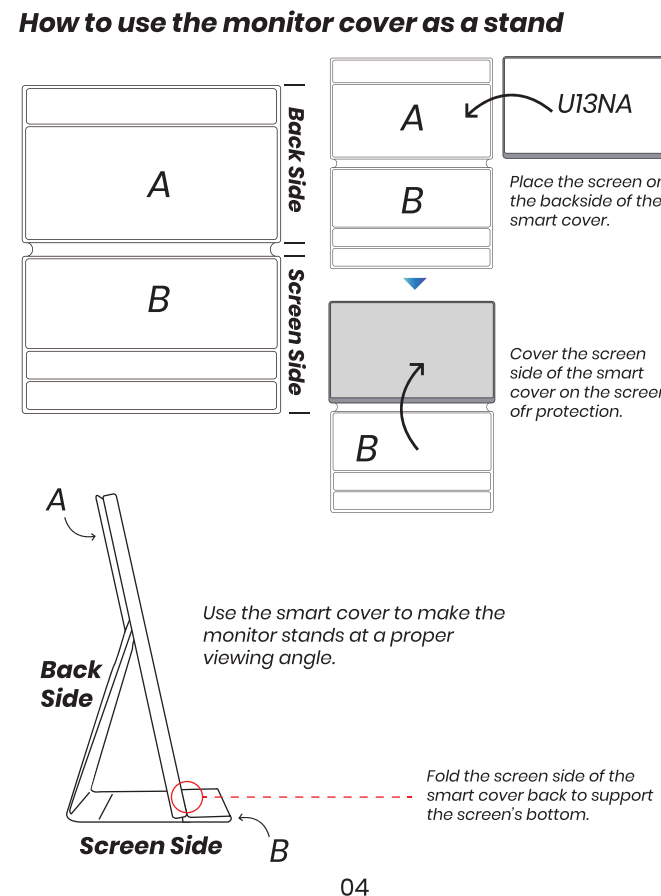
- 1 Mini HDMI
- 2 Full Function Type-C Port (For power, video, audio and touch signal)
- 3 3.5mm Headphone Jack
- 4 OTG interface (suitable for mouse, keyboard and other equipment connection)
- 5 Multi-Function Key
a. Press in the middle display the menu
b. Scroll up/down navigate the menu
- 6 Power Indicator Light
- 7 Power Button
a. Press the button for second time turn off
b. Press when on the menu
- 8 Built-in Dual Speaker

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02. Using the Monitor

How to use the monitor cover as a stand



Place the screen on the backside of the smart cover.

Cover the screen side of the smart cover on the screen or protection.

Use the smart cover to make the monitor stands at a proper viewing angle.

Fold the screen side of the smart cover back to support the screen's bottom.

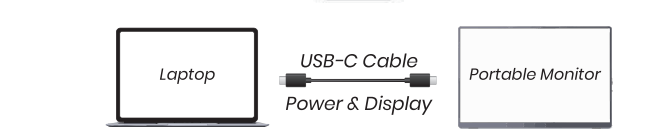
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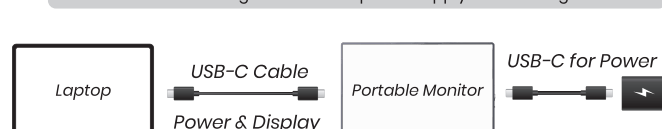
Connecting your Monitor

Laptop/PC Connection

1. Laptop/PC with Type-C port




NOTE: Please use the wall charger to power on the monitor to avoid black or flashing screen when power supply is not enough.

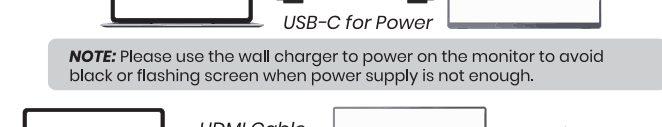


NOTE: USB-A to USB-C cable cannot be used for video transmission. The Type-C port of some devices does not support display and only supports charging. If it displays "No Cable", please contact us for help.

2. Laptop/PC with HDMI port



NOTE: Please use the wall charger to power on the monitor to avoid black or flashing screen when power supply is not enough.




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3. Laptop/PC with (min) DisplayPort e.g. Surface Pro

(Mini)DP to HDMI adapter



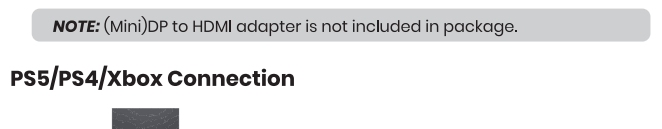
NOTE: Please use the wall charger to power on the monitor to avoid black or flashing screen when power supply is not enough.

(Mini)DP to HDMI adapter

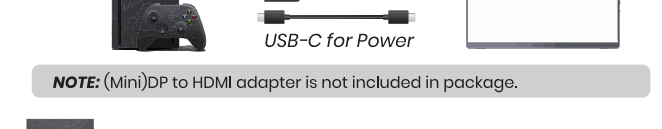


NOTE: (Mini)DP to HDMI adapter is not included in package.

PS5/PS4/Xbox Connection



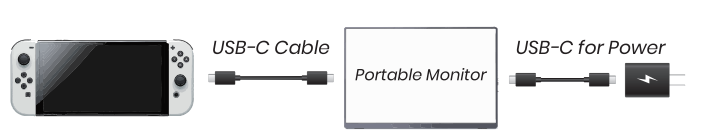
NOTE: (Mini)DP to HDMI adapter is not included in package.



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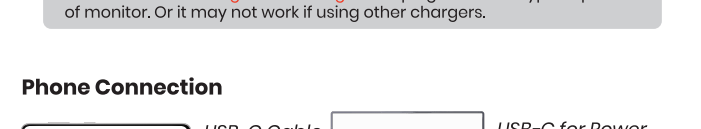
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Switch Connection

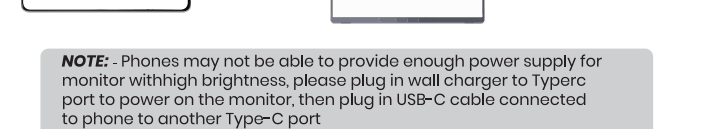


NOTE: Switch cannot provide enough power supply for monitor. Please use Switch original DC charger and plug it into the Type-C port of monitor. Or it may not work if using other chargers.

Phone Connection



NOTE: Phones may not be able to provide enough power supply for monitor with high brightness, please plug in wall charger to Type-C port to power on the monitor, then plug in USB-C cable connected to phone to another Type-C port. Some phones like Google Pixel do not support video output.

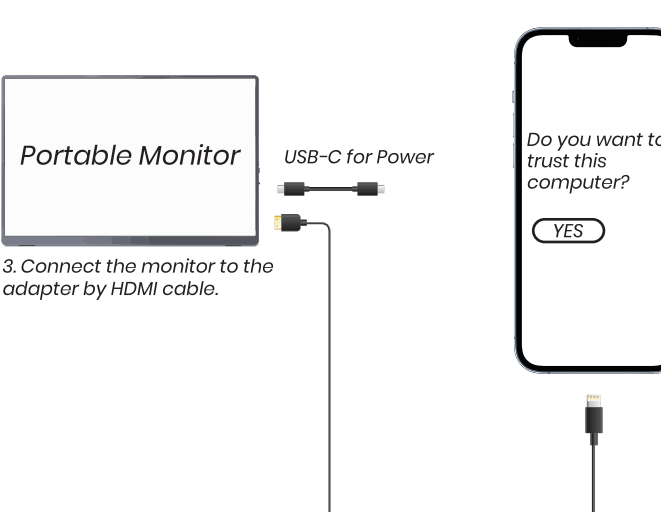


NOTE: A Lightning to HDMI adapter is required for iPhone.

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iPhone Connection with Lightning to HDMI adapter



Do you want to trust this computer?
YES

3. Connect the monitor to the adapter by HDMI cable.

1. Use the charger to provide power supply for the adapter or.
2. Connect the adapter to your iPhone.

NOTE: (Mini)DP to HDMI adapter is not included in package.

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Supported Devices and Models

Phone

Brand	Model
SAMSUNG	DEX, S8/S9/S10/S20 Series, Note 8/Note 9/Note 10 Series
HUA WEI	Mate 10/Mate 20/Mate 30 Series, Mate RS, P20/P30/P40 Series
HONOR	Note 10, V20/V30 Series
OPPO	R17 Pro, Reno 5 Find
Razer	Razer Phone, Razer Phone 2
HTC	U Ultra
LG	G6, G6, G7
ASUS	ROG Gaming Phone
More Brands	Updating

Laptop

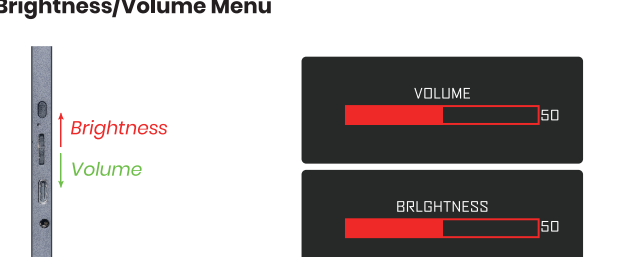
Brand	Model
Apple	MacBook 12 in, MacBook Pro 2016/2017/2018 MacBook Air 2018, iPad Pro 2018
Google	Chromebook Pixel, PixelBook Pen
Lenovo	Solar 7000, Solar 7000P, Solar 7000K, Yoga 6 Pro, ThinkPad X1 Carbon, Yoga 9 Pro, Yoga 920
DELL	G3 Series, G5 Series, G7 Series, Inspiron 5000, Inspiron 7000, XPS13, XPS15
HP	EliteBook 1050G1, EliteBook Folio G1, Omen 4 Pro, Pavilion X2
Microsoft	Surface Book 2
ASUS	Linyao 3, U308, U32P Series, U4000, ROG Series
HUA WEI	MateBook D
Razer	Blade Stealth
More Brands	Updating

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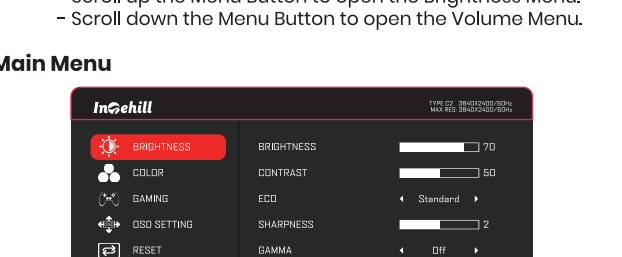
Using the on-Screen Display(OSD) Menu

Brightness/Volume Menu



- Scroll up the Menu Button to open the Brightness Menu.
- Scroll down the Menu Button to open the Volume Menu.

Main Menu

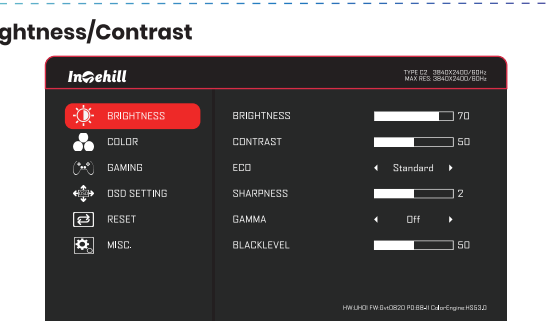


- Press the Menu button to open and display the OSD menu.
- Scroll up and down to select the sub-menu options
- Press the Menu button to select the highlighted item
- Scroll up and down to select the option you want
- Press the Menu button to enter the slide bar of options.
- Press the Exit button to return to previous menu layer
- Save current setting and press menu button to confirm the setting

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Brightness/Contrast



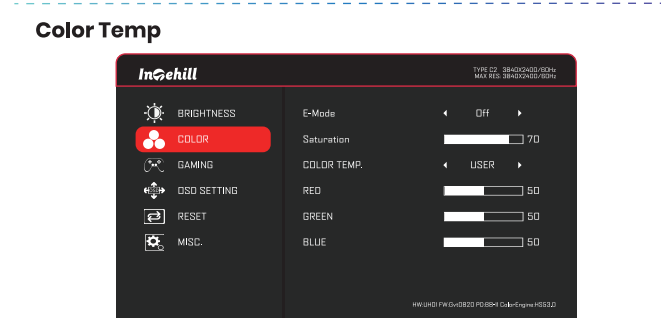
- **Brightness:** Allows you to adjust the brightness or luminance of the backlight (Range: 0-100).
- **Contrast:** Adjust the contrast between the objects and background. (Range: 0-100).
- **ECO:** 4 Image modes (standard/Game/Movie/photo).
- **DCR:** Select On / Off to enable / disable dynamic contrast ratio.
- **Sharpness:** Make the outline of objects more clear (Range: 0-4).
- **Gamma:** To calibrate the luminance
- **Blacklevel:** When you input the RGB signal (6-235) by HDMI, you could use it to adjust the image quality. The Black Level option can compensate for the black level range of an HDMI input.

NOTE: When the monitor is connected to phones, if there is no external power supply and the brightness is adjusted to a high value, brightness will be automatically adjusted to 30 because of insufficient power supply. Please use the wall charger to power on the monitor to avoid black or flashing screen. Brightness and Contrast cannot be adjusted if ECO is set to "Game" / "Movie" / "Photo" mode or DCR is turned

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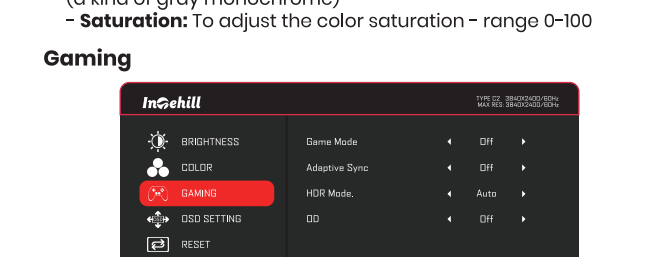
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Color Temp



- **Color Temp Adjust:** 5300k 6500k sRGB User.
- **E-Mode:** Turn On to enter the grayscale (a kind of gray monochrome).
- **Saturation:** To adjust the color saturation - range 0-100

Gaming



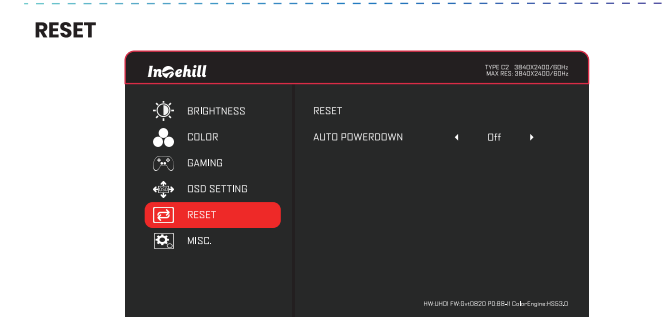
- **Game Mode:** You can quickly change the set brightness
- **FreeSync:** FreeSync technology is a solution that eliminates tearing without all the usual lag and latency.
- **HDR:** Set the HDR Mode to AUTO/OFF/ON.
- **OD:** Turn On to get faster response time - Overdrive

NOTE: Brightness Contrast and ECO setting can not be adjust if HDR is turned on. (Set to ON)

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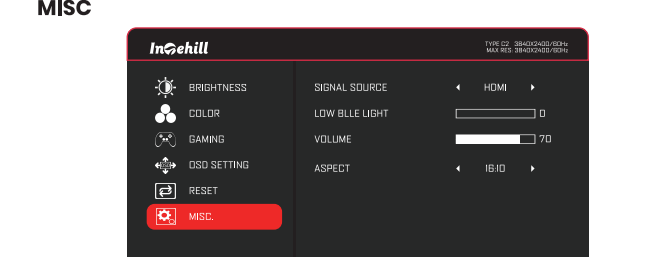
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RESET



- **RESET:** Restore the Factory OSD Settings

MISC



- **SIGNAL SOURCE:** Signal input source switching.
- **LOW BLUE LIGHT:** Decreasing the blue light emitted from the display reduces the blue light exposure to your eyes and create a less stimulating image while reading on the screen (Range: 0-100). Volume setting: 0-100.
- **VOLUME:** Adjust the volume - range 0-100
- **ASPECT:** Switch the screen ratio 16/9 / 16/10

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03. Troubleshooting

If you have any questions, please feel free to contact us.

Black screen and no signal troubleshooting

1. Please use the original accessories (data cable and charger) provided by us. The 3.0 USB-C to USB-C cable supports video signal transmission.
2. Please plug the wall charger into the Type-C port for power supply, wait for the screen to show "no signal", then plug the USB-C cable into another Type-C port or HDMI cable into the Mini HDMI port for video signal transmission.
3. For single USB-C connection for power supply and display, the Type-C port of some devices such as HP EliteBook, Acer Aspire, etc. does not support video output, only charging. Please make sure your device has the thunderbolt or contact us to help you confirm if your device supports it.
4. Please set the display mode to "Extended Mode" in Windows.
5. Connect the monitor to other devices to check if the monitor can work properly with other devices.
6. If still can not help, please contact us for help. (support@intehill.com)

How to connect this monitor to a laptop without HDMI port?

For Microsoft Surface Pro, Surface Book, HP EliteBook, etc., a DP to HDMI adapter is required to connect the display to your device.

The stand is fragile. How can I use the monitor cover as a stand?

Please refer to page 4 for detailed instructions.

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Why does the monitor keep flickering/restarting?

Flickering or constant rebooting is usually caused by insufficient power. If the monitor and your device are connected via a single USB-C cable, some laptops and phones cannot provide enough power to this monitor. Please plug the wall charger into the C-type port of the monitor to get enough power.

My Android phone is equipped with a Type c port, but it doesn't work with this monitor?

1. The phone may not be able to provide enough power for the monitor, please plug the wall charger into the Type-C port and then connect the phone to another Type-C port via a USB-C cable.
2. The Type-C port of some phones does not support video display, please plug the wall charger into the Type-C port of Google phones such as Pixel does not support video output. Mirroring the screen requires Android to HDMI cable.

Can the display be used with Apple iPhone?

Yes, iPhone requires a Lightning to HDMI adapter to work with the display, see page 8.

Will this monitor work with iPad?

Yes, if your iPad is with Type-C port, the monitor will work with iPad via a single USB-C cable. However, for iPad with lightning, you will need to connect to a Lightning to HDMI adapter to use it with the monitor.

How to save the brightness setting?

The monitor will automatically save all settings when displaying with a USB-C connection or HDMI connection. But if the device cannot provide enough power for this monitor, it will automatically reset the brightness to 10.

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Why is the game screen stretched when connecting to PS4/PS5/XBOX/SWITCH console?

1. Because our U13NA monitor screen ratio is 16/10 while the game consoles usually output a 16/9 screen ratio signal, you can enter the menu settings and find the MISC column, then select ASPECT mode and switch to 16/9 ratio.
2. The initial standard ratio of the monitor is 16/10. If the monitor is set to 16/9 mode, there will be black edges at the top and bottom of the monitor, which is normal.

What is the function of E-MODE mode in the menu?

If you need to use it for text reading, you can turn on this function to enter E-MODE mode, which can make the screen into black and white reading mode like the "Kindle". The initial state is "OFF". The maximum resolution of the monitor supports 3840x2400, 336ppi, and the font is more delicate.

The screen color is too saturated, is it possible to adjust the color?

We do color calibration for each monitor from the factory. When you have higher requirements for color, you can also adjust the color saturation by entering the saturation item in the COLOR column of the menu.

Why can not display the maximum resolution of 3840x2400 when connecting to my computer?

Please check if the maximum output of the GPU supports 3840x2400. If not, it only displays the maximum resolution your device can.

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