



# PORTABLE MONITOR

## M156F01

### User Manual

\* Please read the manual carefully before you use the product, and keep the manual well after using.

## Operation & Use Video

Want to quickly learn how to use the display?

Scan the QR code below to watch the video tutorial

or scan me



## Customer Service



2 Years unlimited  
warranty



365 Days Money-Back  
Guarantee



No Reason Return  
for Replacement



Lifetime Customer  
Support

Email US

Customer Support: [support@mnntech.com](mailto:support@mnntech.com)

or scan me



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## 01. About Your Monitor

### Monitor Specifications

<b>Screen Type</b>	IPS
<b>Screen Size</b>	15.6 inch, 344x194 mm
<b>Resolution</b>	1920 x 1080
<b>Aspect Ratio</b>	16 : 9
<b>Color Gamut</b>	72% sRGB
<b>Color Depth</b>	16.78 Million colors
<b>Color Temperature</b>	6500K
<b>Brightness</b>	250 cd/m <sup>2</sup>
<b>Contrast Ratio</b>	1000 : 1
<b>Viewing Angle</b>	Horizontal 178°, Vertical 178°
<b>Refresh Rate</b>	60 Hz
<b>Net Weight</b>	1.88 lbs
<b>HDR Support</b>	Yes
<b>Freesync Support</b>	Yes
<b>Power Consumption</b>	6W
<b>Connectivity</b>	Mini HDMI, 3.5mm Audio Jack, 2 Full-featured Type-C ports
<b>Built-in devices</b>	Speakers(1Wx2)

## Product List

Please contact us if anything is missing or damaged.

✉ [support@mnntech.com](mailto:support@mnntech.com)



MNN Portable Monitor



Smart Leather Cover  
Watch the video to learn how  
to use the cover as stand

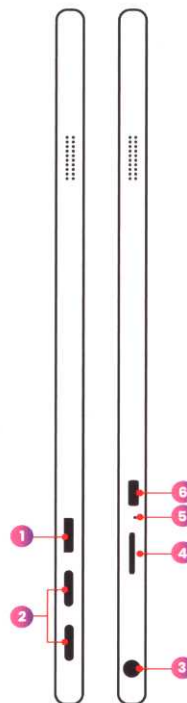


USB-C Cable  
For power and video signal transmission.  
Can be connected to the Type-C port of your  
device for power and display by single cable.



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

## Identifying Parts and Controls



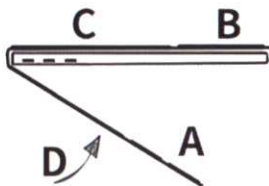
- 1 Mini HDMI
- 2 Full Function Type-C Port  
(For power, video, audio)
- 3 3.5mm Headphone Jack
- 4 Multi-Function Key  
a. Press in the middle: Deploy the menu  
b. Scroll up/down: Nabigate the menu
- 5 Power Indicator Light
- 6 Power Button  
a. Press the button for 5seconds: Turn off  
Short press when on the menu: Go back to the previous step

## 02. Using the Monitor

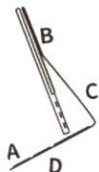
### • Full Protection



Video demo

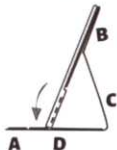


### • Monitor Standing



#### Step 01:

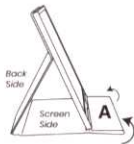
Hold B steady with your hand, tilt C to support the monitor.



#### Step 02:

Place the bottom of the monitor in the slot of D.

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



#### Step 03:

Fold part A of the smart cover back to support the monitor more stable.

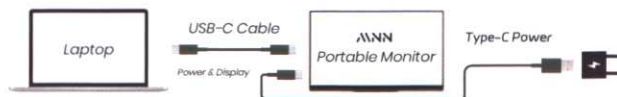
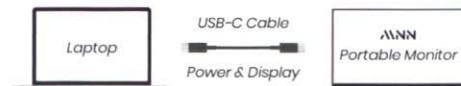
#### Tips:

If you want to take the cover support off from the monitor, just use a screwdriver directly to unscrew the screws (B) that hold the monitor will be OK.

## Connecting your Monitor

### Laptop/PC Connection

#### 1. Laptop/PC with Type-C port



**NOTE:** If the battery level of your laptop is insufficient, please use another Type-C Power cable to power the display separately.  
\* Type-C Power cable only has the charging function, it cannot be used for video transmission.

Video demo &gt;&gt;



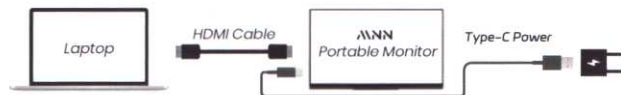
#### 2. Laptop/PC with HDMI port



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

Video demo &gt;&gt;



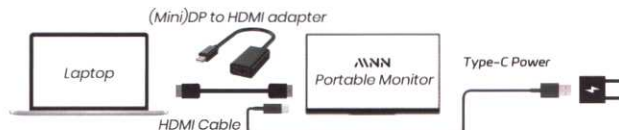


### 3. Laptop/PC with (mini) DisplayPort e.g. Surface Pro



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

[Video demo >>](#)



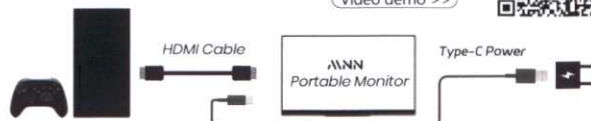
**NOTE:** (Mini)DP to HDMI adapter is not included in package, please contact us to get the adapter for free. (support@mnntech.com)

### PS5/PS4/Xbox Connection

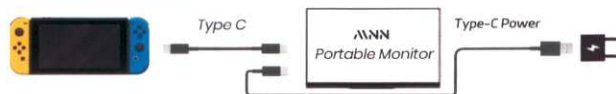


**NOTE:** Please use the wall charger to power on the monitor to avoid black or flashing screen when power supply is not enough.

[Video demo >>](#)



### Switch Connection



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

[Video demo >>](#)



### Phone Connection



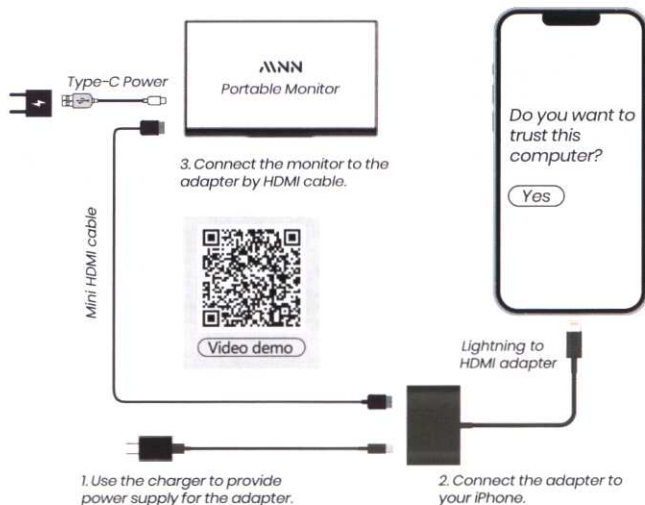
**NOTE:** Phones may not be able to provide enough power supply for monitor with high brightness, please plug in wall charger to Type-C port to power on the monitor, then plug in USB-C cable connected to phone to another Type-C port.

[Video demo >>](#)





## iPhone Connection with Lightning to HDMI adapter



### NOTE:

- A Lightning to HDMI adapter is required for iPhone. Please contact us to get the adapter for free. (support@mnntech.com)
- Please also plug in a wall charger to the lightning port of the adapter to power on the adapter and make it work.



iPhone 15 and later models support USB-C all-in-one connectivity

**Tips:** Please use the original USB-C cable that came with the monitor in box.

## Setting Up Extend / Duplicate / Display Mode

### Mac OS system

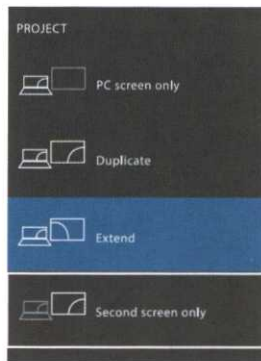
- Choose Apple menu > System Preferences > click Displays > Click the Arrangement tab.
- Select the "Main display" or "Extended display" to extend the monitor as the second monitor.



### Windows system

#### Way1: Set via Windows key+P keyboard shortcut

- A: Verify that your cables are connected properly to the new monitors.
- B: Enter the "Windows" key and "P" keyboard at the same time.
- C: select an option from the drop-down list to determine how your desktop will display across your screens. For the largest work area, select Extend desktop.

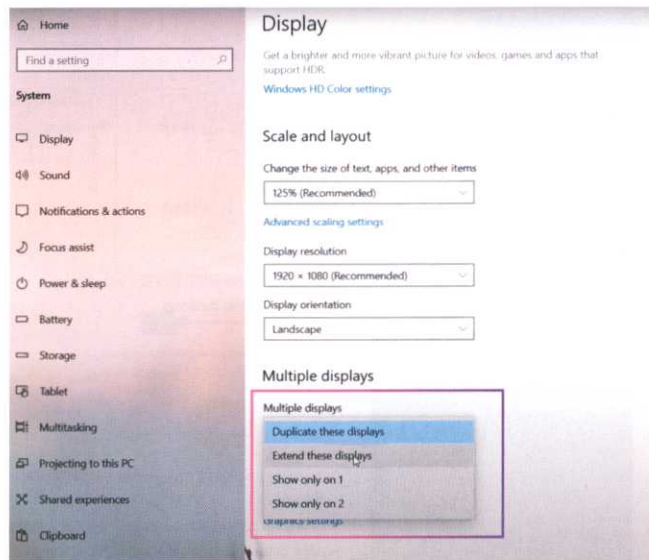


### Note:

If you cannot see the additional monitor(s) listed, click Detect. If doesnot work, try restarting your computer and do steps again.

## Way2: Set on the device Display Settings

- A: Verify that your cables are connected properly to the new monitors.  
 B: Right-click anywhere on your desktop and select Display settings to open the Display page.  
 C: Scroll down to Multiple displays, then select an option from the drop-down list to determine how your desktop will display across your screens.  
 For the largest work area, select Extend desktop.



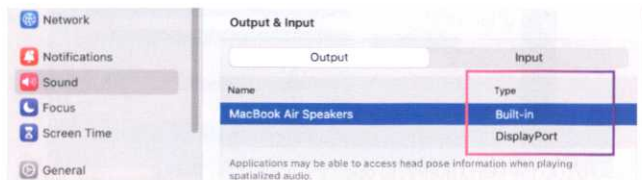
### Note:

If you cannot see the additional monitor(s) listed, click Detect. If does not work, try restarting your computer and do steps again.

## Speaker Setting

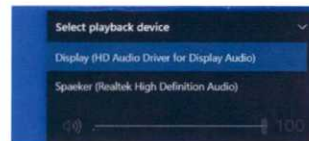
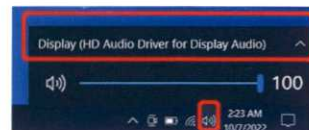
### Mac OS system

- Choose Apple menu > System Preferences > click Sound > Click the Output & Input.
- Select the "Output" and choose the MacBook Air or the monitor as the audio output.
- Adjust the sound level to suit your needs.



### Windows system

1. Click speaker button in the lower right corner.
2. Select laptop or monitor to use to play the sound (the monitor plays the sound by default).
3. For a better experience, please set the laptop to play sound or use headphones with 3.5mm headphone jack of the monitor.





## 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 toggle between options.
- Press the **Menu** button to select the highlighted item
- Scroll up and down to select the desired parameter.
- Press the **Menu** button to enter the slide bar of options.
- Press the **Exit** button to return to previous menu without saving current settings or Press **Menu** button to confirm settings.

### Brightness/Contrast

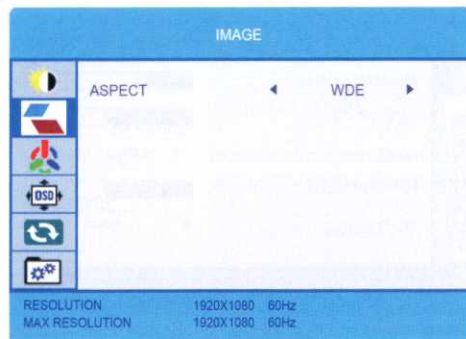


- **Brightness:** Allows you to adjust the brightness or luminance of the backlight (Range: 0-100).
- **Contrast:** Adjust the contrast between the objects and background. (Range: 0-100).
- **ECO:** 4 image modes (Standard/Game/Movie/Photo).
- **Sharpness:** Make the outline of objects more clear(Range: 0~4).
- **DCR:** Select On / Off to enable / disable dynamic contrast ratio.

#### NOTE:

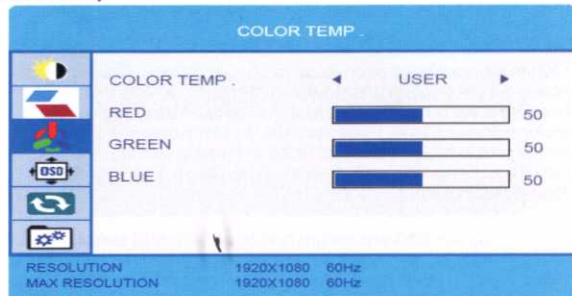
- When the monitor is connected to phones, if there is no external power supply and the brightness is adjusted to a high value, brightness will be automatically adjusted to 30 because of not enough power supply. Please use the wall charger to power on the monitor to avoid black or flashing screen.
-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

## IMAGE



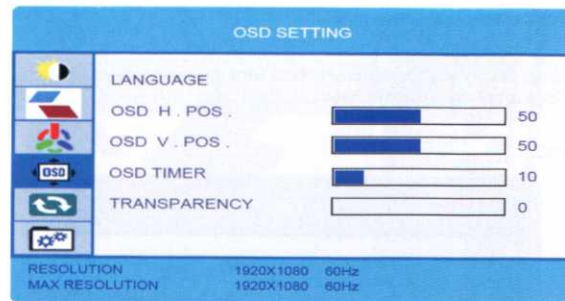
**Aspect:** Display image scale, 16:9/4:3 set

## Color Temp



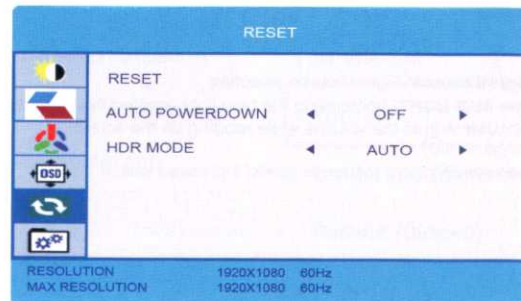
- **Color Temp:** Adjust the tint of screen to 9300k, 6500k, sRGB, User.

## OSD SETTING



- **Language:** there are 13 language choices available
- **OSD H.POS.:** Position the menu window horizontally
- **OSD V.POS.:** Adjust the position of the menu window
- **OSD Timer:** The menu window disappears automatically in seconds
- **Transparency:** Menu window transparency settings

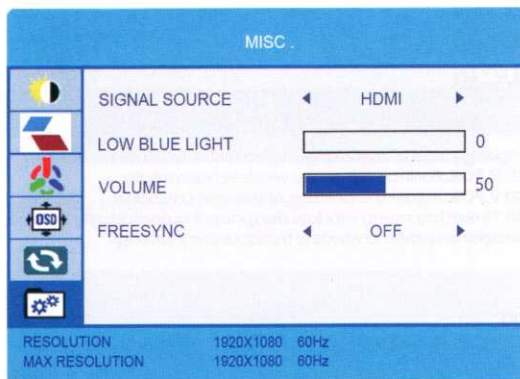
## RESET



- **Reset:** Reset all display settings
- **Auto Powerdown:** Automatic shutdown
- **HDR MODE:** HDR turns on or off

**NOTE:** Brightness, Contrast and ECO settings cannot be adjusted if HDR is turned on (set to 2084).

## MISC



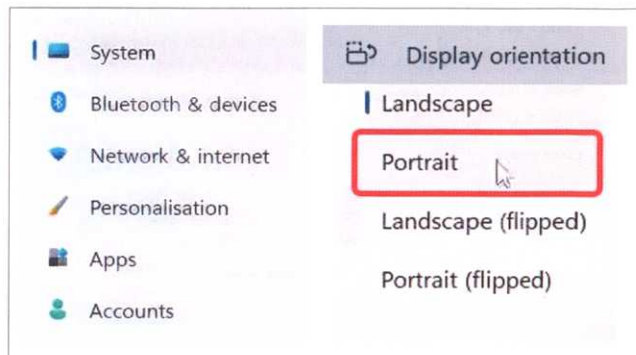
- **Signal source:** Signal source selection
- **Low BLUE LIGHT:** Decreasing the blue light emitted from the display
- **VOLUME:** Adjust the volume while reading on the screen. (Range: 0-100).
- **Freelync:** Monitor response speed increased switch

## Using the Portrait / Landscape Mode




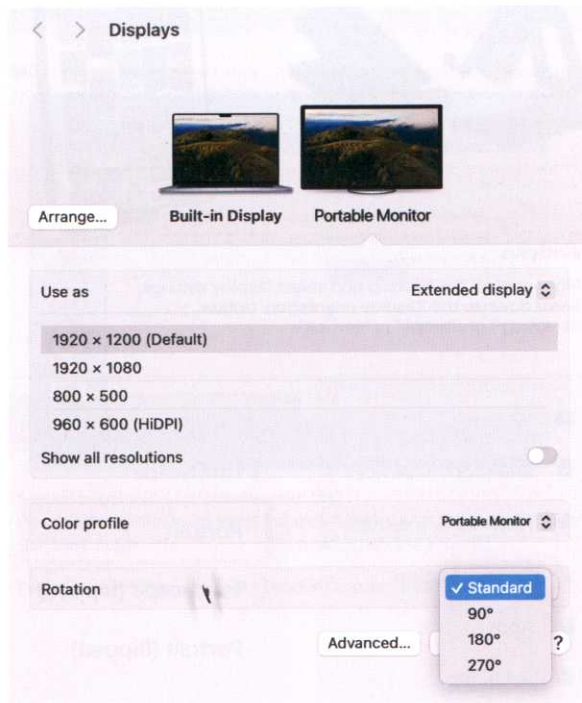
## Windows

- Right click on the desktop and select Display settings.
- Scroll down to the "Display orientation" option.
- Selecting "Landscape" or "Portrait".



## Mac OS

- Choose Apple menu  > System Preferences.
- Hold down the Cmd+Option(Alt) keys and click on "Displays"
- Look for the newly visible 'Rotation' drop down menu.



## 03. Troubleshooting

Please feel free to contact us for any problem.

✉ [support@mnntech.com](mailto:support@mnntech.com)

### Black screen or No signal

1. Please use the original accessories we provide (cables).  
Type-C Power cable **does not** support video signal transmission.
2. Please plug in the wall charger to Type-C port for power supply and wait for the screen displays "no signal", then plug in the USB-C cable to another Type-C port or HDMI cable to MiniHDMI port for video signal transmission.
3. For single USB-C connection for power and display, the Type-C port of some devices like HP Elitebook, Acer Aspire **does not** support video output and only supports charging. Please contact us to help you confirm if your device supports.
4. Please set the display mode to Extend in Windows.
5. Connect the monitor to other devices to check if the monitor can work well with other devices.
6. Please contact us for help (✉ [support@mnntech.com](mailto:support@mnntech.com))

### How to connect this monitor to laptop without HDMI port like?

**Microsoft Surface Pro, Surface Book, HP EliteBook, etc.**

A (mini) DP to HDMI adapter is required to connect the monitor to your device. Please contact us to get the adapter **for free**.  
(✉ [support@mnntech.com](mailto:support@mnntech.com))

### The stand is flimsy? How to use the monitor cover as a stand?

Please refer to Page 4 for detailed instruction.



### Monitor keeps flashing/restarting

1. Flashing or continuously restarting is usually caused by not enough power supply.

If the monitor and your device are connected by single USB-C cable, some laptops and phones cannot provide enough power supply for this monitor. Please plug in wall charger to Type-C port of monitor for enough power supply.

2. Please contact us for help (✉ support@mnntech.com)

### I use the USB Type-C Power cable to connect the monitor to my device, but it displays "no signal"

The USB-C cable can only be used for power supply.  
This cable **does not** support video transmission.

### How to extend a second screen on the left side?

1. Please refer to Page 9 for instruction.

2. Please contact us for help (✉ support@mnntech.com)

### Can the monitor work with Apple iPhone?

Yes. A Lightning to HDMI adapter is required for iPhone to work with the monitor. Please refer to Page 8 and contact us to get the adapter for free.  
(✉ support@mnntech.com)

### Can this monitor work with iPad?

Yes. If the port of iPad is Type-C port, the monitor will work well with iPad by single USB-C cable. But for iPad with lightning, a lightning to HDMI adapter is required to work with the monitor. Please contact us to get the free adapter.(✉ support@mnntech.com)

### How to save the setting of brightness?

Since our portable monitor doesn't contain a built-in battery, it does not have a memory function, so the brightness setting of the display cannot be saved, which means you need to reset the brightness every time you turn on the display. The action of setting the brightness is easy, just simply slide the brightness adjustment wheel will be OK.

### Why the brightness and contrast cannot be adjusted?

The brightness and contrast cannot be adjusted if HDR is turned on, or ECO is set to "MOVIE, GAME, TEXT..." mode, or DCR is turned on. Please refer to Page 12 to reset these settings.

### Why my monitor cycles through red, green, blue, white, and black screens?

Regarding the monitor cycles color screen, we are sorry that you may have entered the developer mode due to the wrong operation.  
In this case, it can be solved as long as you Long press the power button at the right of the monitor for 3s to restart the monitor.

## Warranty and Support

Please send your Amazon Order # to [support@mnntech.com](mailto:support@mnntech.com) to **Register 2 Years Warranty** & **Get 10% OFF Code** for next order.

### WHAT IS COVERED BY THIS WARRANTY?

MNN warranties the product hardware problem and accessories contained in the original packaging against manufacturing defects for 2 Years from the date you bought your product.

### WHAT IS NOT COVERED BY THIS WARRANTY?

This Warranty does not apply to damage caused by accident, abuse, misuse, fire, liquid contact, earthquake or any other external cause.

Especially the cracked/broken screen that is damaged by the external force is NOT included in the warranty.

or scan me



## Operation & Use Video

**Want to quickly learn how to use the display?**  
Scan the QR code below to watch the video tutorial

or scan me

