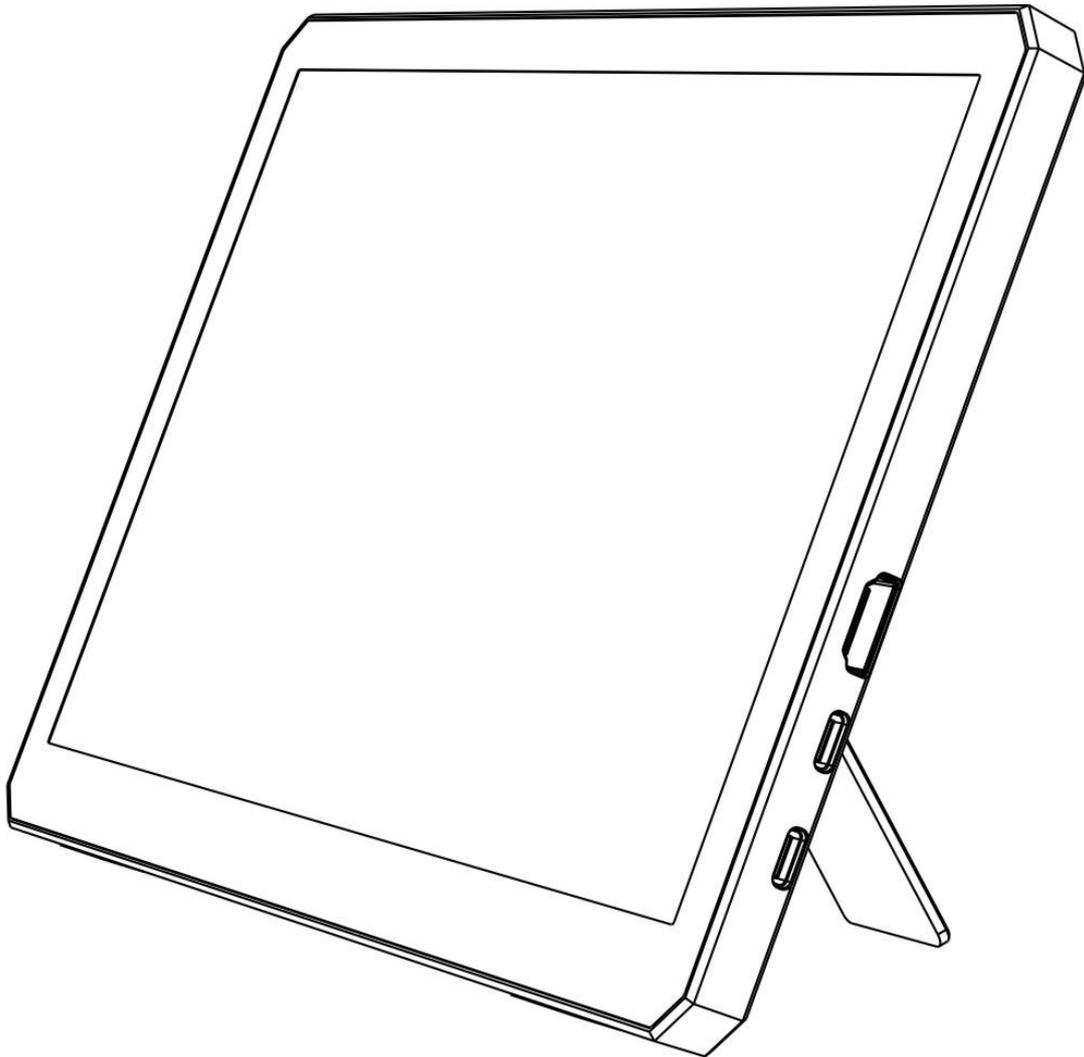


T108B IPS 1366*768 Resolution
USB-C Touch Portable Monitor
User Manual



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Safety Precautions& Warranty Exclusions

Safety Precautions:

-  1. When carrying the Monitor, please put it into the protective cover with glass side inward and avoid pressing the monitor violently and rubbing the glass surface by any sharp objects.
-  2. The power input specification for the monitor is 5V 3A AC current. Inputting the Monitor more than 5V can cause shortages.
-  3. Please do not place the monitor on a shaky or unstable table, cupboard or trolley and do not use the Monitor on a moving vehicle. The Product may be severely damaged from overturning or falling.
-  4. Cleaning the Monitor Unplug the power input before cleaning. Please use soft cloth to clean touch screen. For stubborn stains, please use lightly-dampened cloth to wipe again. Do not use benzene, alcohol, thinner, ammonia, abrasive cleaners, compressed air or other corrosive solvents. These solvents may cause permanent damage on the screen or leave non-removable stain.
-  5. The product is not waterproof. Don't use it in or near water.
-  6. Do not insert any object into the Product's slots or gaps. Do not disassemble the monitor in any way.
-  7. Do not connect the AC adapter when maintaining the monitor.
-  8. Do not connect the AC adapter when not in use for an extended period of time.

 9. Do not abuse or misuse the monitor by applying unnecessary force.

 10. Avoid places of direct sunlight during storage.

 11. High volume can lead to lasting damage to your hearing. Please check the volume settings before reproducing any sound.

 12. Keep this monitor away from children.

Warranty Exclusions:

Please read the warranty terms below carefully, and follow the usage guide and precautionary notes. Please keep this manual for future reference.

we do not warrant uninterrupted or error-free operation of this Product.

The warranty only covers failure /malfunction under normal use conditions during warranty period. The warranty does not apply to the following conditions:

(1)The bar code has been removed or worn down, and cannot be identified.

(2)This product has been modified, disassembled, or refitted.

(3)Display and touch function working normally; but variation in appearance

(i.e., ageing, attrition, scratch, color changing and etc.).

(4)Any breakdown caused by power supply. (i.e., inputting power over 5V or unsteady current)

(5)Any damage caused by disoperation or failure to follow this manual.
(i.e.,Plug or unplug the cable in wrong direction and causing damage on cable or monitor.)

(6)Any damage caused by hitting or cracking monitor accidentally or purposely, or collapsing or overturning monitor.

LCD Pixel Statement

There is slightly uneven brightness on the screen when displaying different screen pattern. The LCD screen has 99.99% or more effective pixels. 0.01% of pixels or less may not light or may light incorrectly. The monitor uses a high quality LCD panel. Nevertheless, pixels on the LCD screen may not light or appear as red or black dots. All the above are normal with the LCD monitor and will not affect the normal usage of the product. Avoid placing the monitor against sun-light, or it may damage the monitor. An afterimage of the previous screen may remain, when the same image is displayed for hours. In this case, the screen is recovered slowly by turning off the power for a few hours.

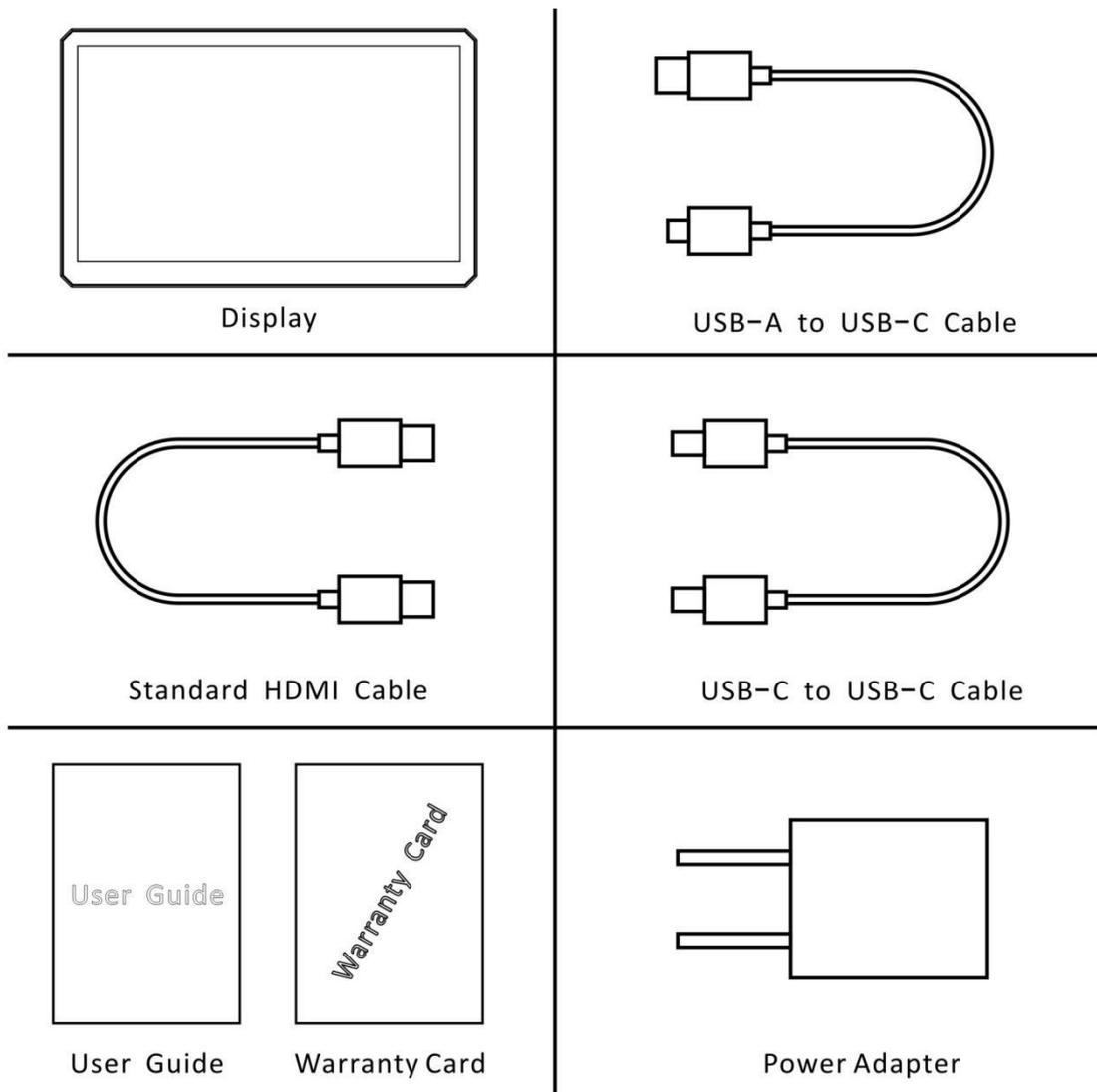
Disposal of Electronic Equipment

The electronic equipment and batteries should not be disposed with household waste but should be left at an appropriate collection point for recycling.



Content of the Package

Before you open the packing of the LCD Monitor, please prepare a stable and clean desk that is near to the power plug on the wall for your monitor and computer.



*all the picture and component in this manual is for reference only.

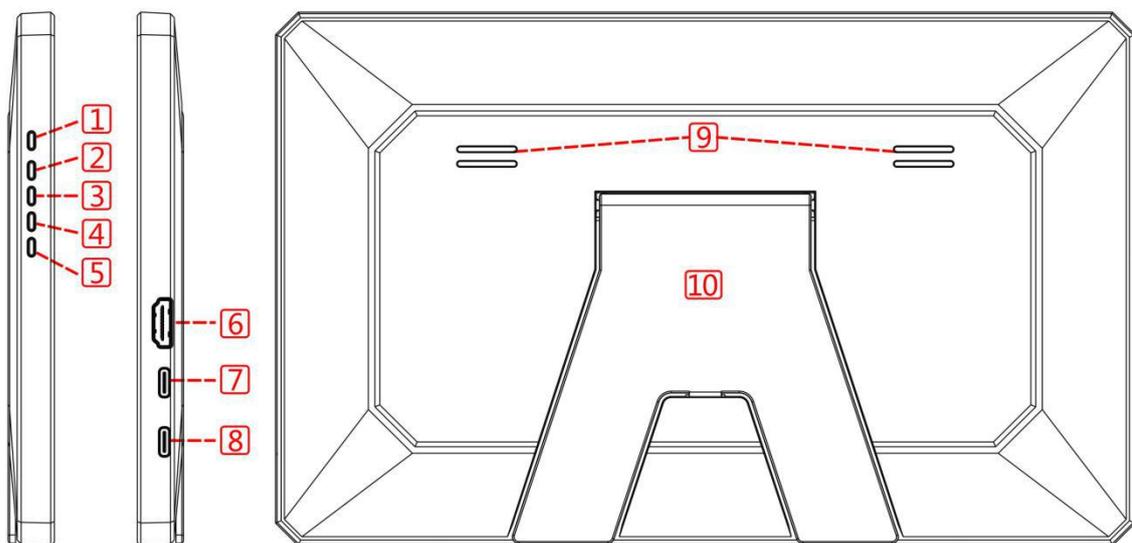
Please see the final product for detail information. We preserve the right to update the product without notice.

Parts Description&Connection

Size Diagram



Function Description



1 Ⓞ Power(on/off)

2 ⊕ Function increase(Volume,Brightness etc.)

3 ⊖ Function decrease(Volume,Brightness etc.)

4 ⊗ Exit

5 ⊕ Open OSD Menu

6 Standard HDMI port

7 USB-C port

8 USB-C port(Power only Support PD Fast charge)

9 Stereo speaker (4Ω 1.2W*2)

10 Bracket

Remark: **7** The USB C data port is a full-featured USB 3.1 port with power supply function, **8** the USB C DC IN port is an auxiliary power supply port. Make sure the connection is correct when connecting the device.

Connection Description

1, Connect to laptop computer



(1) Connect to laptop computer with full USB-C functions(USB C support charging)

It can be connected to the full-featured USB 3.1 USB C port on a computer via the USB C to USB C cable provided to display the content on the monitor. Support Copy, extend, second display mode. One cable support power/signal/touch.

Note: it need to connect 5V 3A power supply when powered insufficiently (screen blinking).

*When no external power supply is available, the laptop computer will supply power to the monitor(when screen blinking it need lower the volume and brightness or connect adapter).

*When 5V 3A power supply is used, the monitor powered by 5V3A,and the laptop computer need power by its own computer adapter.

*When PD45W or above but no more than PD100W power adapter is used, it can be powered for the monitor and the laptop computer.

(2) Connect to laptop computer with full USB-C functions(USB C not support charging)

It can be connected to the full-featured USB 3.1 USB C port on a computer via the USB C to USB C cable provided to display the content on the monitor. Support Copy, extend, second display mode. One cable support power/signal/touch.

Note: it need to connect 5V 3A power supply when powered insufficiently (screen blinking).

*When no external power supply is available, the laptop computer will supply power to the monitor(when screen blinking it need lower the volume and brightness or connect adapter).

*When 5V 3A or other PD power supply is used, it is only power for monitor, not charge for the laptop computer, it need power by its own computer adapter.

(3) Connect to laptop computer without full USB-C functions

It can be connected to the hdmi port on a computer via the hdmi cable provided to display the monitor, the monitor power by 5V3A adapter, the laptop power by its own computer adapter.

2, Connect to mobile phone with TV-OUT function



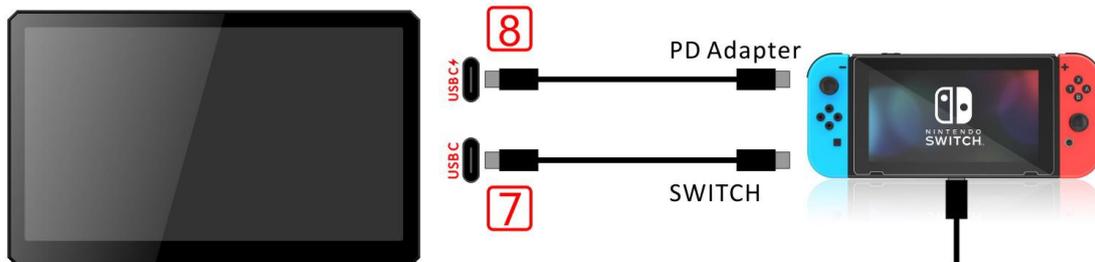
It can be connected to the mobile phone via the USB C to USB C cable provided to display the content from mobile to the monitor. One cable support power/signal/touch.

Note: it need to connect 5V 3A power supply for monitor when powered insufficiently (screen blinking)

*When no external power supply is available, the mobile phone will supply power to the monitor.

*When 5V 3A power supply is used, the monitor will charge the mobile, but charging is slow, mobile original PD Adapter (no more than PD100W) is recommend.

3, Connect to NS SWITCH



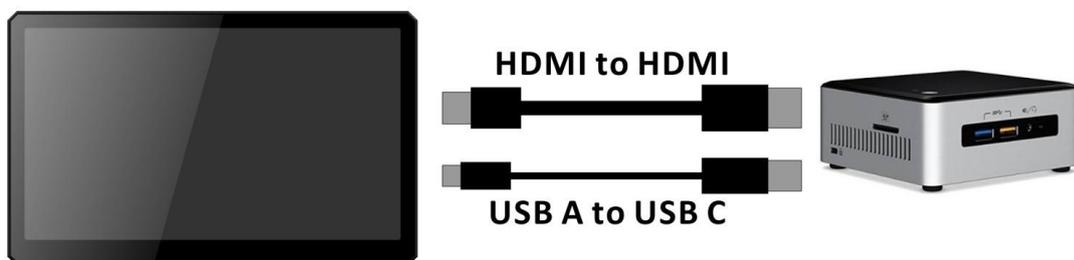
When an external power supply is used: the monitor can be connected to the SWITCH host via the USB C to USB C cable provided to enable the SWITCH TV mode.

*When a 5V3A power supply is used, it supply power to the monitor, while charge for the SWITCH, but charging is slow. It displays in the resolution of 720P.

*When use the SWITCH original PD protocol power supply, the monitor will charge the SWITCH, it displays in the resolution of 1080P.

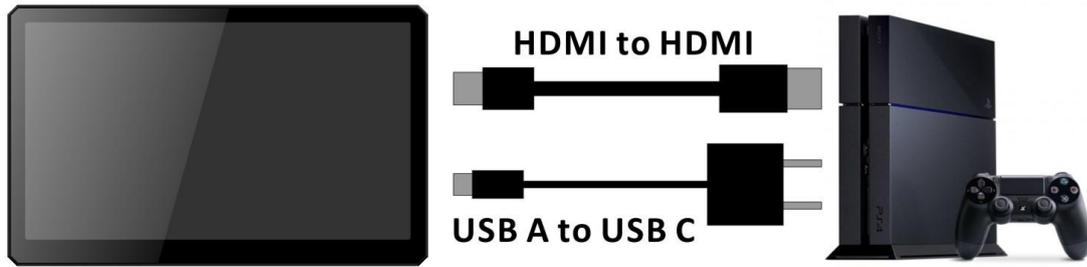
Remark: it must connect external power supply when use the SWITCH, or the monitor is blank.

4, Connect to HDMI port on PC



The monitor comes with a standard HDMI port and can be connected to most devices that output HDMI signal, please use the hdmi cable provided to connect the hdmi port on a computer, the monitor can be powered via the USB 3.0 port on a computer using the USB A to USB C cable, when powered insufficiently, it need to connect 5V 3A power supply.

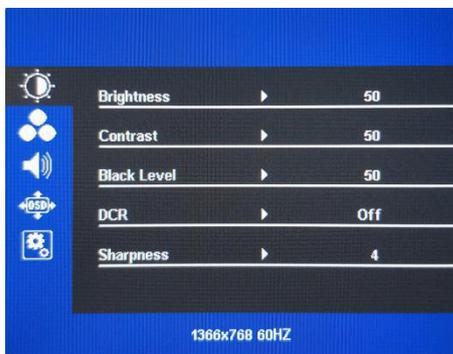
5, Connect to game console



The monitor comes with a standard HDMI port and can be connected to most game console, please power on the monitor using the USB A to USB C cable and 5V 3A power supply before connecting external HDMI signals to ensure smooth signal transmission.

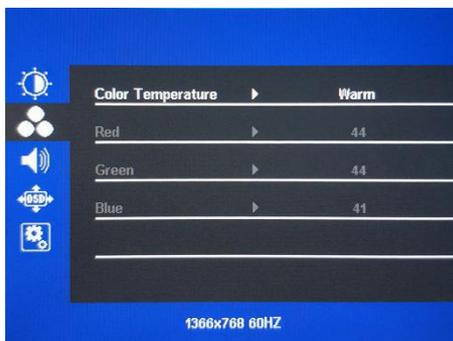
OSD Menu Description&Setting

BRIGHTNESS



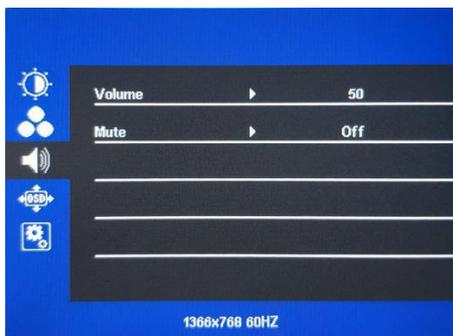
Press "MENU" Key to show the main menu, then press "+/-" key to choose BRIGHTNESS Menu.
BRIGHTNESS: Adjust the brightness of the display.
CONTRAST: Adjust the contrast of the display.
BLACK LEVEL: Adjust dark field effect of the picture.
DCR: Open or close the dynamic contrast ratio function.
SHARPNESS: Adjust the sharpness level of the picture.

COLOR



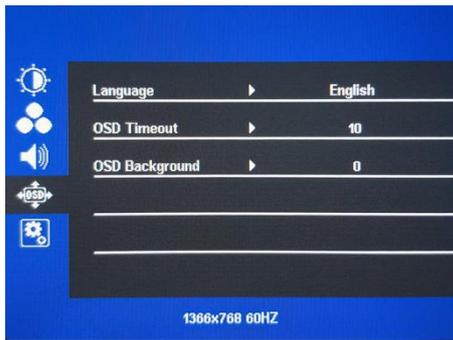
Press "MENU" Key to show the main menu, then press "+/-" key to choose COLOR TEMP Menu.
COLOR TEMP: Select an optimum color temperature (USER, WARM, COOL and SRGB).
RED: Fine Turning Red Color Temperature.
GREEN: Fine Turning Green Color Temperature.
BLUE: Fine Turning Blue Color Temperature.

VOLUME



Press "MENU" Key to show the main menu, then press "+/-" key to choose VOLUME Menu.
VOLUME: Adjust the volume of the monitor.
MUTE: Open or Close the volume of the monitor.

OSD SET



Press "MENU" Key to show the main menu, then press "+/-" key to choose OSD SETTING Menu

LANGUAGE: Select your desired language from the OSD menu.

OSD TIMEOUT: Adjust the OSD display time.

OSD BACKGROUND: Adjust the transparency of the OSD menu.

RESET



Press "MENU" Key to show the main menu, then press "+/-" key to choose RESET Menu

INPUT SELECT: Choose the input method of the monitor.

HDR : Select the HDR function working mode

BLUE LIGHT FILTER: Select the blue light of the picture among week, medium, strong and strongest.

FREE SYNC: Open or close the free Sync function.

RECALL: Press to restore factory settings.

Note:

1. According to different input signals, the available function may be not the same.
2. Some items are disabled in gray when they are unavailable in a certain mode. Those items are enabled when corresponding modes are activated.

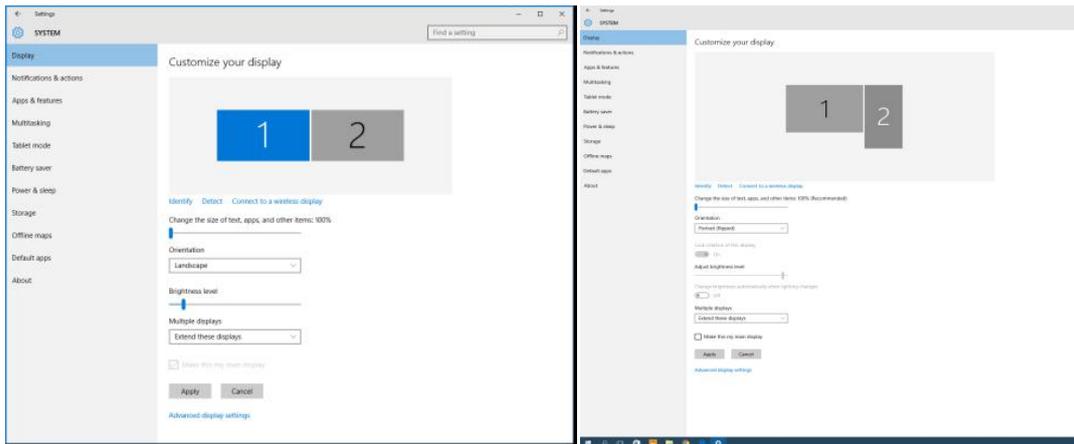
Display Setting

1. Set Extended Display Mode-Windows 10 System

Click , then select **【Settings】** → select **【System】** → Select **【Display】** → Choose "Extend these displays" at Multiple displays.

Select "1366x768" at Resolution; Select "Landscape" at Orientation for horizontal display, select "Portrait" for vertical display. Click Apply and exit.

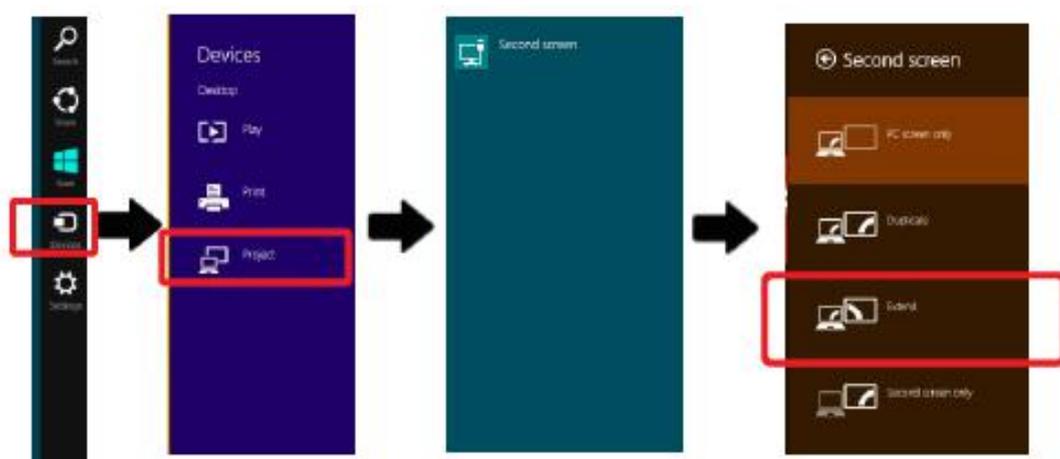
If not see the "1366x768", pls choose the most suitable resolution.



2. Set Extended Display Mode-Windows 8.1 System

Select directly from right side of screen [Devices]->select [Project]->select [2nd Monitor]->select [Extend Mode].

For screen resolution setting please refer to the followings.



3. Set Extended Display Mode-Windows 7 System

Click  on icon

Click on Control Panel > Appearance and Personalization

Click on Display > Connect to an external display.

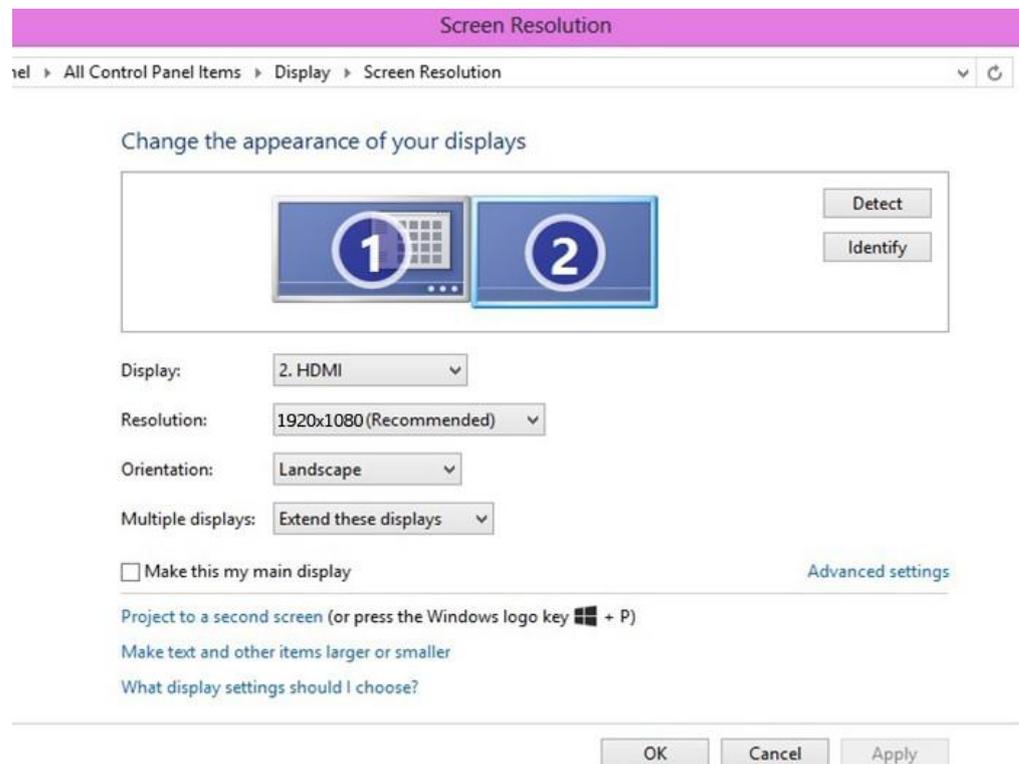
Normally Display ① is the laptop's monitor, Display ② is the external monitor. Click on Detect if you are unsure.

At Display, select “2.HDMI” (digital video) or “2. display device: VGA” (analog video) for Display

Select Resoluton “1366x768” for the Monitor, Select "Landscape" or "Portrait" for Orientation.

If not see the "1366x768" ,pls choose the most suitable resolution.

Select "Extend these displays" for Multiple display, and drag Display 2 to the right side of Display 1. For Duplicated mode, select "Duplicate these displays". Select OK and exit after saving the settings.



4. Settings of Extended Display on Mac (OS X)

Click  , then select **【System Preference】** → choose **【Arrangement】** tab, and uncheck "Mirror Displays". Select one of the blue rectangles, and drag to the desired position.



Click **【Display】** tab, select resolution of the laptop firstly, then click "Gather Windows", and select resolution you want.

5. Settings of Extended Display for game device

It can work as a computer monitor just like any other general HDMI screen, like 360Xbox, PS3, PS4 games devices and so on. It is plug and play, making sure the USB-C power cable and HDMi cable is right connection. For Nintendo switch, it is also plug in and play. Use the Original Adapter, One single power cable can power for Monitor and Switch (Note: It need to wait about 5 seconds to see the image on the monitor after the Nintendo switch connect normal).

6. Touch Settings

6.1 windows set

If your laptop computer had been installed the Windows 7, 8 or 10 system, the T108B touchscreen is Plug in and play, making sure all the cable is right connection.

6.2 Linux set

When you use the display, you may make some adjustments to make it to 'force' native resolution 1920*1080 mode, in this chapter, we only provide the detailed operation with Raspbian Stretch for Raspberry pi 4. To get the best out of your Pi while using the display screen, adjustments to the config.txt file to the native mode, This will ensure full-screen utilisation in NOOBS and Raspbian. This is the recommended mode for most purposes when using the screen. with the Raspberry Pi. When you installed the img in raspberry pi official web, open the TF Card, find the config.txt file, open it then you will need to make some additions to your config.txt file...

Add the following to the end of your config.txt

```
hdmi_group=2  
hdmi_mode=1  
hdmi_mode=68  
hdmi_cvt 1366 768 60 6 0 0 0
```

After amending your config.txt, you'll need to save it and reboot your Pi for the changes to take effect.

800x600 'Scratch' mode

If you do a lot of Scratch work, HDMI mode 9, 800*600 might work best for you. This makes Scratch pretty much full-screen.

```
hdmi_group=2  
hdmi_drive=2
```

```
hdmi_mode=9 # 800x600 works well with scratch
```

Rotate & Flip Using Pi config.txt

If you want to rotate your screen output, for example ,to use HDMIPi in portrait orientation, you can add one of the following to your config.txt file, as shown above...

```
display_rotate=0 Normal
```

```
display_rotate=1 90 degrees
```

```
display_rotate=2 180 degrees
```

```
display_rotate=3 270 degrees
```

6.3 Windows 10/8.1/7 Touchscreen Setting

If you find the cursor acts wrongly, please calibrate the monitors at Windows system. Please connect T108B to laptop first, if not, the calibration can't be begun.

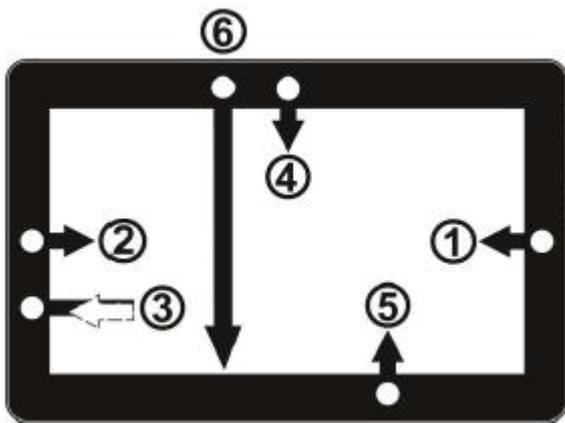
In Windows 7, Select 'Tablet PC Setting'of Control Panel to calibrate touch input. In Windows 8.1/10, search"Calibrate the screen for pen or touch in-put"on your PC.

As Fig., please select "Setting (S)", when Windows message appears on the screen of T108B, follow the direction to touch the screen and the setting is complete.



6.4 Windows 10/8.1/7 Touch Gesture Description

Common Touch Gesture Introduction:



1. Use finger to swipe in from edge:

① Swipe in from the right edge of the screen (Arrow 1) : Open the five charms – Search, Share, Start, De-vices, and Settings

② Swipe in from the left edge of the screen (Arrow 2) : Switch be-tween apps

③ Swipe in from the left edge of the screen then out toward the left edge of the screen (Arrow 3): Display all apps

④ ⑤ Swipe in from the top edge (Arrow 4) or bottom edge (Arrow 5): Display commands of app, like Add New, Reminder, etc.

⑥ With touch, drag the app from the top edge of screen (Arrow 6) to the bottom of the screen: Close app

2. Select item: Tap on the item to open. This function is similar to clicking on mouse.

3. Press and hold the item for a few seconds then release: Display item information. This function is similar to right-clicking on mouse.

4. Zoom in and out: Touch the item with two fingers then move fingers toward each other (pinch) or away from each other (stretch).

5. Slide finger on the screen, horizontally or vertically, to move through content. This function is similar to scrolling with a mouse.

Product Specification

Model No	T108B
Panel Size	10.8 inch
Resolution	1366(RGB)×768
Brightness	360cd/m2 (Typ.)
Contrast Ratio	800:1(Typ.)
Display angle	160 Degrees
Frame Rate	60Hz
W:H	16:9
VESA Hole	No
Product Weight	450g
Operating Temperature	0~50℃
Storage Temperature	-20~60℃
Certification	

Troubleshooting

Q1: If is the monitor must be extra power for the monitor?

It can be powerd via laptop Usb. it need 5V 3A power supply when powered insufficiently (screen blinking)

Q2: The Monitor shows: “ No signal ” ,how to solve it?

Please connect the power first, then check the HDMI cable or usb-c Cable has been firmly connected to the monitor's port. In the OSD menu, Make sure the power key is open.

Q3: Randomly no display or go blank Or showing "Insufficient Power Warning" on the monitor. What to do it?

- 1.Please avoid pulling the cables.
- 2.Please connect to a 5V-3A adapter to ensure the power supply is enough.
- 3.Lower the volume and the brightness. High volume and brightness may increase power consumption and cause the monitor going off.

Q4: Monitor has image,but No Sound coming out?

Please check volume settings whether Mute has been turned on or not first, Then increase the volume.

Q5: Why my monitor shows Out of Range?

It means the video source inputted is not in monitor's supported video input formats, and the monitor cannot display the resolution or the frequency normally. Please check monitor's supported operating modes.

Q6: Why it is no signal when i use the usb-c to usb-c Cable in the USB C

device?

1. Please make sure the USB C device support the video input
2. Make sure use the USB-C 3.1 Gen 2 (10 Gbps) Cable
3. It need to connect the USB C-2 power port when powered insufficiently by USB C-1

Q7: Why my device has USB C, connect the usb c 3.1 gen 2 cable but no video?

For some Terminal equipment manufacture, the USB C not support UBS C Alt mode, the hardware can't provide the video signal.

Q8: Does it need USB C converter when connect the Nintendo switch ?

No, it doesn't need. It is plug and play. Use the Original Adapter, One single power cable can power for Monitor and Switch.