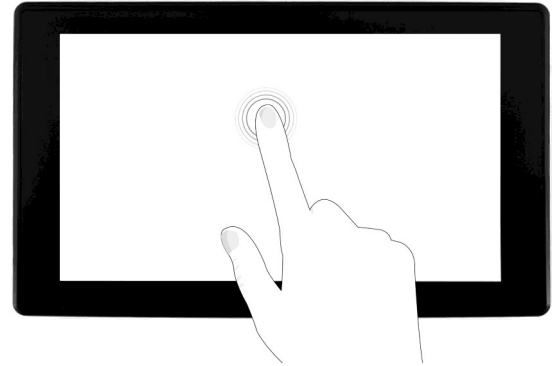


7INCH HDMI LCD (H) (with case)

User Manual



HDMI[®]
HIGH-DEFINITION MULTIMEDIA INTERFACE

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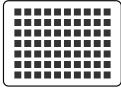
SPECIFICATION

Size



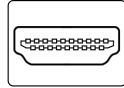
7"

Resolution



1024 × 600

Display Port



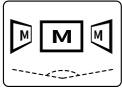
HDMI

Display Panel



IPS

Viewing Angle



170°

Touch Type



Capacitive

Touch Points



5-Points

Touch Port



USB

Touch Panel



Toughened Glass

OSD Menu



Adjustment

Audio Output



3.5mm Jack

Gaming



Xbox/PS4/Switch

Enclosure



Polycarbonate

Cert.



CE

SPECIFICATION

- 7inch IPS screen, 1024x600 hardware resolution, configurable by software (up to 1920x1080).
- Toughened glass capacitive touch panel, 6H hardness, five-points touch.
- Work with Raspberry Pi, supports Raspberry Pi OS / Ubuntu / Kali and Retopie, driver free.
- Work with Windows PC, support Windows 11 / 10 / 8.1 / 8 / 7 , driver free.
- Multi-languages OSD menu, for power management, brightness/contrast adjustment, etc.
- 3.5mm audio jack, supports HDMI audio output.
- Supports VGA input (specific cable is required and should be purchase separately).
- High-quality PC case, optional tilt angle: 30°/50°.

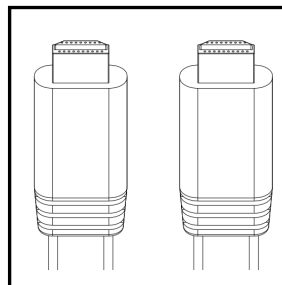
WARNING

Please read this user manual carefully before you use the display. Incorrect use may cause irreparable damage or even cause electric shock and fire. To avoid damaging the display, please observe the following rules during the installation and using.

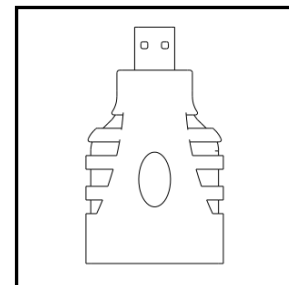
1. To prevent from fire disaster or electronic shock, please do not put the display in humidity or even in a worse condition;
2. To avoid dust, moisture and extreme temperatures, please DO NOT please the display in any damp area. Please place the device on a stable surface when in use;
3. DO NOT put any object or splash any liquid into the ports or openings of the display;
4. Before using the display, please make sure all the cables are connected properly and all the cables included the power cord are proper to use. If any cables or accessories are missed or broken, please contact Waveshare immediately;
5. Please use the HDMI cable as well as the USB cable provided with the display;
6. Please use a 5V 1A or above Micro USB adapter to supply the display if you want to use external power for the display;
7. DO NOT attempt to take apart the PCBA and the raw display panel, which may damage the display panel. If you face any problem about the display, please contact our Support Team by ticket;
8. The display glass may break when it is dropped or bumped on a hard surface, please handle with care.

ACCESSORIES

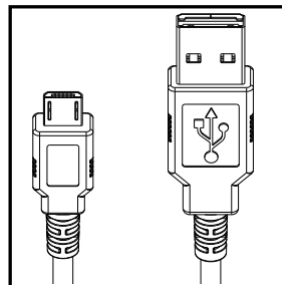
Before using the product, please check if all the accessories are packaged properly and in perfect condition.



Standard HDMI Cable
For connecting Pi 3B+/Pi 3B

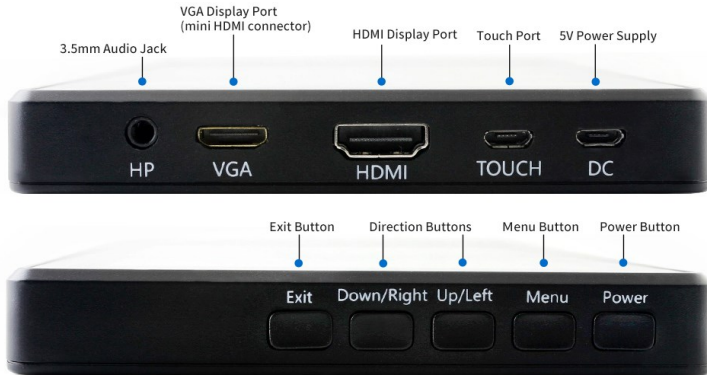


Micro HDMI Adapter
For connecting Pi 4B



Micro USB Cable
For power and touch

INTERFACES



- 1. Power Button**
Turn on/off power of backlight
- 2. Menu Button**
Open OSD Menu or "OK " button
- 3. Up/Left Button**
Direction button
- 4. Down/Right Button**
Direction button
- 5. Exit Button**
Return or exit from menu
- 6. 5V Power Supply**
Micro USB port for 5V power input
- 7. Touch Port**
Micro USB port for touch or power
- 8. HDMI Display Port**
Standard HDMI connector for HDMI signal
- 9. VGA Display Port**
Mini HDMI connector for VGA signal
- 10. HP**
3.5mm jack for HDMI audio

DISPLAY SETTING

To use with the **Raspberry Pi**, you need to manually set the resolution by modifying the `config.txt` file, The file is located at the boot directory. Some of the OS doesn't have `config.txt` file by default, you can create an empty file and name it as `config.txt`.

1. Write Raspberry Pi OS image to the TF card by Raspberry Pi Imager which can be downloaded from Raspberry Pi official website.
2. Open the `config.txt` file and add the following lines to the end of the file.

```
hdmi_force_hotplug=1
config_hdmi_boost=10
hdmi_group=2
hdmi_mode=87
hdmi_cvt 1024 600 60 6 0 0 0
```

3. Save the file and eject the TF card.
4. Insert the TF card into the Raspberry Pi board.

CONNECTION

Connect to Raspberry Pi 4



Note: You need to config the Raspberry Pi according to Display Setting before powering the board

1. Connect the micro HDMI adapter to Raspberry Pi 4, then connect standard HDMI cable to Raspberry Pi 4 and the display.
2. Connect the USB cable to the Raspberry Pi 4 and the display.
3. Connect a power adapter to the Raspberry Pi 4 to power on.

CONNECTION

Connect to Raspberry Pi 3B+



Note: You need to config the Raspberry Pi according to Display Setting before powering the board

1. Connect standard HDMI cable to Raspberry Pi 3 and the display.
2. Connect the USB cable to the Raspberry Pi 3 and the display.
3. Connect a power adapter to the Raspberry Pi 3 to power on.

CONNECTION

Connect to PC



Note: For most of the PC, the display is driver free without other setting.

1. Connect standard HDMI cable to PC and the display.
2. Connect the USB cable to the PC and the display.
3. Connect a power adapter to the PC to power on.

CONNECTION

Connect to Jetson Nano



Note: For Jetson Nano, the display is driver free without other setting.

1. Connect standard HDMI cable to Jetson Nano and the display.
2. Connect the USB cable to the Jetson Nano and the display.
3. Connect a power adapter to the Jetson Nano to power on.

FAQ

Q: How to disable the rainbow screen of Raspberry Pi?

A: Please add the following command to `/boot/config.txt` file.

```
disable_splash=1
```

Q: How to change the splash screen of Raspberry Pi?

A: You can replace the `splash.png` from the path `/usr/share/plymouth/themes/pix/splash.png` to yours.

Q: How to disable the bootloader message of Raspberry Pi while booting if it displays abnormally?

A: Please run the following command to open the file and change the `DISABLE_HDMI` value from 0 to 1 .

```
sudo -E rpi-eeprom-config --edit
```

Q: What is the working current of the display?

A: With 5V power supply, the working current of display is about 850mA.