

element™

M10T Touch Monitor User Manual



Introduction

Product Features

The M10T offers you:

- A 10.1" full flat, compact, and multi-functional P-CAP touch display.
- Boasting 1280 x 800 native resolutions and a high contrast ratio of 1000:1 with vivid colors.
- Integrated in various of POS system for most of commercial applications.
- VESA mount 75 x 75mm that provides great flexibility to install in constrained spaces.

About This Document

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Conventions

The following subsections describe graphic conventions are used in this manual to denote certain actions or information for clarification purposes. Keep these points in mind to avoid problems with the monitor or injuries:

TIP	A TIP highlights efficient shortcuts and helpful guidelines for using certain features.
NOTE	A NOTE indicates supplemental information or emphasize important text significance.
CAUTION	A CAUTION alerts that may cause a malfunction or affect performance of the monitor.
WARNING	A WARNING appears when the potentials for bodily harm or hazards and damages.

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Important Safety Instructions

Before using this monitor, please follow all warnings, precautions, and maintenance. Read the user manual thoroughly to help protect against property damage and to ensure your personal safety and the safety of others.

- Be sure to observe the following instructions.
- For installation or adjustment, please follow the instructions in this manual and refer all servicing to qualified service personnel.

Usage Notice



WARNING

To prevent the risk of fire or shock hazards, and do not expose the product to moisture.



WARNING

Please do not open or disassemble the product as this may cause electric shock.



WARNING

Power cord shall be connected to a socket-outlet with earthing connection.



WARNING

The cable cover cannot be removed under normal use conditions.



WARNING

Stability Hazard - The touch monitor may fall, causing serious personal injury or death. To prevent injury, this touch monitor must be securely attached to the wall in accordance with the installation instructions.

Precautions

Please follow all warnings, precautions and maintenance as recommended in this user's manual to maximize the life of your unit.

Do :

- Turn off the product before cleaning.
- Use a soft cloth moistened with mild detergent to clean the product housing.
- Use only the qualified power adapter that comes with your device.
- Disconnect the power plug from AC outlet if the product is not going to be used for an extended period of time.

Don't :

- Do not use abrasive cleaners, waxes, or solvents for your cleaning.
- Do not operate the product under the following conditions:
 - Extremely hot, cold, or humid environment.
 - Areas susceptible to excessive dust and dirt.
 - Near any appliance generating a strong magnetic field.

Warnings

- If smoke or a peculiar smell comes from the monitor, remove the power plug from the outlet immediately.
- If water is spilled or objects are dropped inside the monitor, remove the power plug from the outlet immediately.
- If the monitor is dropped or the cabinet is damaged, remove the power plug from the outlet immediately.
- To turn off the power of the monitor, press "Power" at the right rear side of the monitor.
- If the power cord or plug is damaged or becomes hot, turn off the power of the monitor, make sure the power plug has cooled down and remove the power plug from the outlet.
 - If the monitor is still used in this condition, it may cause fire or electrical shock. Contact our service partner for replacement.

Installation



CAUTION

Read the following precautions carefully before installing your new IEM-10 monitor for personal safety and for the prevention of property damage.

- Do not install in a high-temperature or high-humidity environment and should not exceed:
 - Operating temperature: 0°C to 40°C (0°F to 104°F)
 - Storage temperature: -20°C to 60°C (-4°F to 140°F)
 - Operating Humidity%: 20% ~ 80% RH, non-condensing
 - Non-operating Humidity%: 10% ~ 90% RH (38.7°C maximum wet bulb temperature)
- Do not install near any high heat sources.
- Do not overload outlets or cables beyond electrical capacity.
- Do not insert the power plug into an outlet other than 100~240V AC.
 - Do not use a damaged power plug or worn outlet.
 - Do not insert an improper power plug it may cause fire or electric shock.

NOTE: Recommended to use power supply/cable that comes with Element product.

- Do not place the monitor on an unstable shelf or surface.
- Do not place objects on the monitor.
- If the monitor is covered or the vents are blocked, the monitor could overheat and cause a fire.
- If metal or liquid gets into the monitor, it may cause fire or electrical shock.
- Please keep a 10 cm minimum distance between the monitor and the wall for enough ventilation.
- Do not move the monitor when it is connected to the power cord and AV cables.
 - When moving the monitor, make sure to remove the power plug and cables from the outlet or source.
 - When unpacking or carrying the monitor, make sure the monitor is carried upright.
 - Transport the monitor upright. Avoid placing the monitor face up or down.
 - Handle the monitor gently. Do not drop

Use

- If you encounter a problem during installation, please contact your distributor or Element directly.
- Protect and correctly use the power cord/plug.
- Use only the qualified power adapter that comes with your device.
- Do not pinch the power cord/plug between hard surfaces.
- Do not step on the power cord/plug.
- Before inserting the power plug into the wall outlet, connect the power cord to the monitor.
- Do not operate the monitor with a damaged power cord or it may damage the monitor.
- Using extension cords (not recommended)
 - If an extension cord must be used, ensure the voltage rating exceeds the max power consumption of the monitor. If the voltage rating is less than the monitor, it will cause the extension cord to overheat.
- If there is thunder or lightning, do not touch the monitor or the power plug.
- Do not use any kind of liquid on the monitor.
- If liquid is spilled on the monitor, remove the power, and ask qualified service personnel to check the monitor.
- If the liquid gets on the monitor's screen, please clean it with a dry and soft cloth immediately.
- Do not use any harsh chemical on the monitor.
- If metal or liquid gets into the monitor, it may cause a fire or an electrical shock.
- If the monitor will not be used for a long period of time, unplug the monitor.
- Do not press on the LCD panel.
- Do not push or shake the monitor.
 - If the glass of the monitor panel is broken, liquid may escape. Please do not touch the liquid.
 - If liquid get into your eyes or touches your skin, wash with the clean water and seek medical attention immediately.

Cleaning

- If dust has collected on the power plug, removed the plug from the outlet and clean off the dust.
- Take off the power plug before cleaning.
- Cleaning the surface of the monitor by wiping it gently with a soft, clean cloth.
 - If the surface requires additional cleaning, lightly moisten the cloth.
 - Do not clean the monitor with abrasive cleaners, waxes, or solvents, as this could damage the monitor.

Specifications

M10T		
Item	Category	Specifications
LCD Panel	Size	10" TFT LCD
	Resolution	1280 x 800
	Pixel Pitch	56.5 (H) x 169.5 (V)
	Contrast (typ.)	900
	Brightness	400 cd/m2 (non-touch screen) 340 cd/m2 (With PCAP)
	Response Time (typ.)	30 ms
	Touch Type	PCAP: 10 points
	Viewing Angle (CR≥10)	Typical 170 degree (H) / 170 degree (V)
Interface Connectors	Input	DisplayPort 1.2a HDMI 1.3 (Compatible with HDMI 1.4) VGA USB-C (support +12VDC input, USB 2.0 for touch screen, Type-C display signal) Audio In
Power	Power Input	DC In 12V Jack Power Input
	Power Supply	36W (12VDC/3A) External AC Power Adaptor (100VAC ~240VAC, 50/60Hz)
	Power Saving	Sleep mode ≤ 1W, Off mode ≤ 0.5W
Size and Weight	Dimension (W x H x D)	245.5 mm x 170.5 mm x 30.3 mm
	Net Weight	0.94 kg
	Gross Weight	9.7 kg
	Wall Mount (VESA)	75 mm x 75 mm

Package Contents

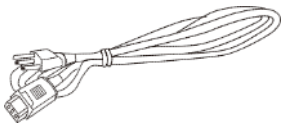
Unpacking

- Before unpacking your monitor, prepare a stable, level, and clean surface near a wall outlet.
- Set the monitor box in an upright position and open from the top of the box before removing the top cushions.
 - Step 1: Remove the package and cut the banding
 - Step 2: Remove the top cushion and the accessory box.
- Suggest keeping the box and packaging in storage for use in the future if need to transport the monitor. The cushions are ideal for protecting the monitor during transportation.

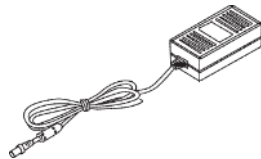
Accessories



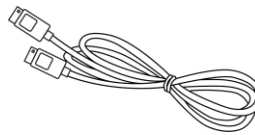
LCD Monitor



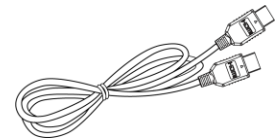
Power Cord
(1.8m) 1 pc



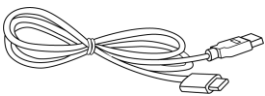
AC-DC
adapter
1 pc



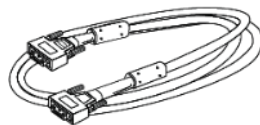
DP cable
(1.8m) 1
pc



HDMI cable
(1.8m) 1 pc



USB Cable C-A
(2m) 1 pc



VGA Cable
(optional) 1
pc

TIP

- Available accessories in your package may vary from the actual contents and the product supplied for your region. Please contact your distributor or Element for more information.

Getting to know your monitor

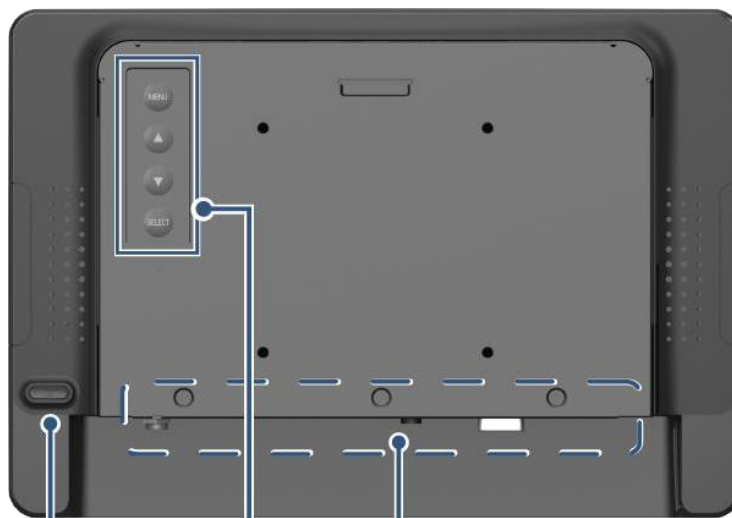
Front View



1

1. Display Screen

Rear View



2

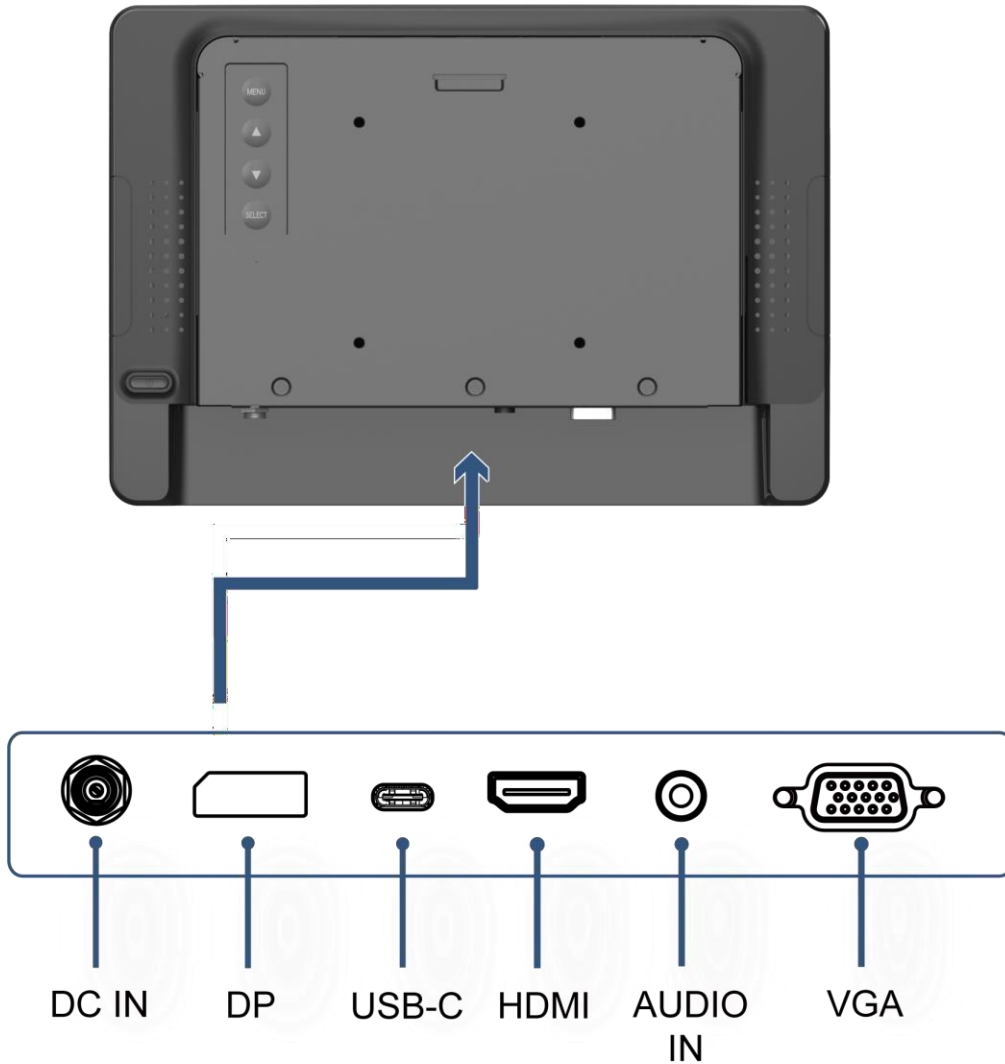
3

4

2. Power Key
3. OSD Keypad

4. Input and Output Ports (see ports details on the next page)

Input and Output Ports



TIP

- The IO diagram may vary depending on the model or the product supplied for your region.

WARNING

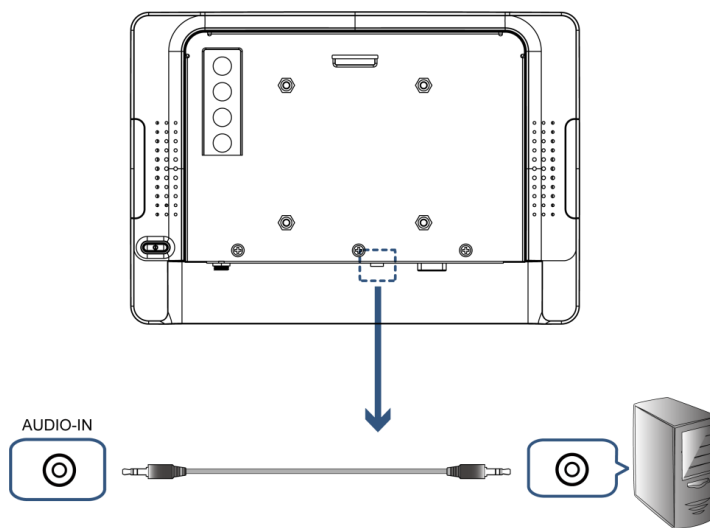
This product is intended to be supplied by a UL Listed Power Adapter, rated 12Vdc, 1.5A minimum (complied with LPS or PS2), T_{ma} = 40 degree C minimum, and the altitude of operation = 3048m minimum. If it needs further assistance with purchasing the power source, please contact to Element for further information.

Making Connections

This section will guide you on how to connect the monitor with different devices.

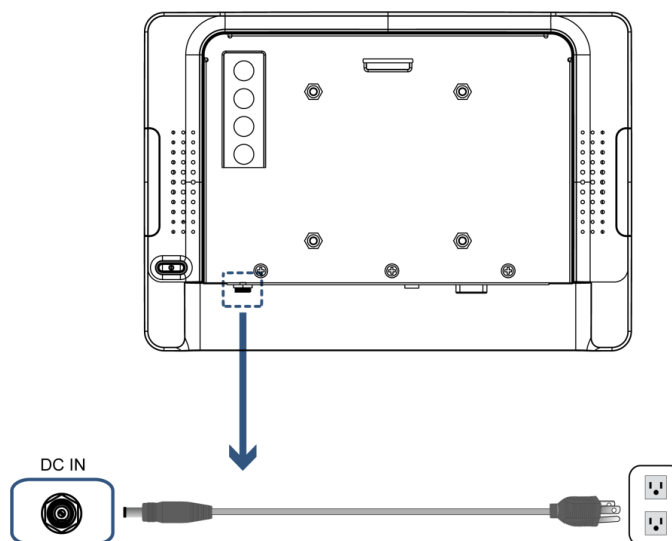
Connecting the Power

1. Connect the power cord to the DC IN at the rear of the monitor.
2. Connect the power cord plug to a power outlet.



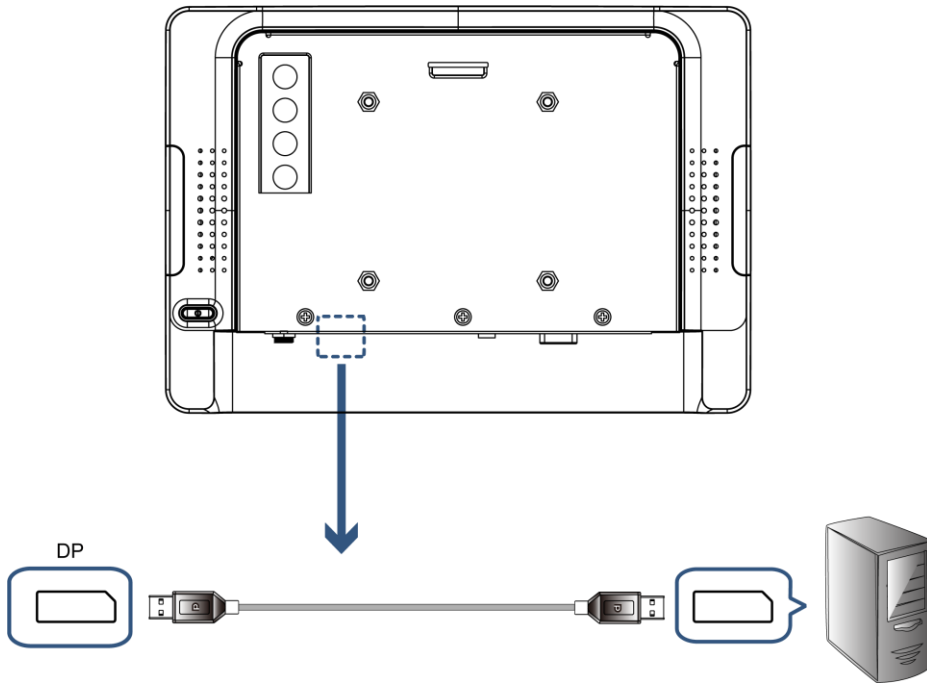
Connecting an Audio

1. Connect the audio cable to the Audio In port at the rear of the monitor.
2. Connect the other end of the cable to the audio port on the computer or device.



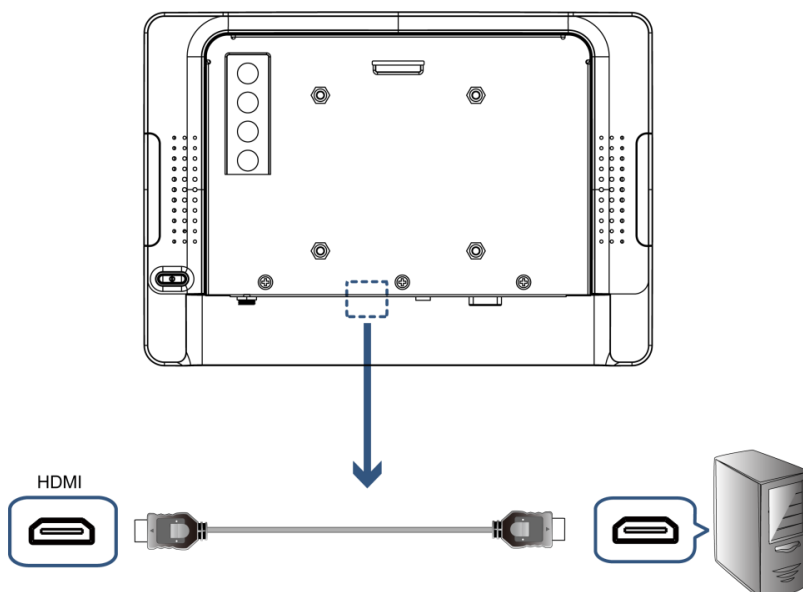
Connecting a DisplayPort cable

1. Connect the DisplayPort cable to the DP port at the rear of the monitor.
2. Connect the other end of the cable to the DisplayPort on the computer or device.



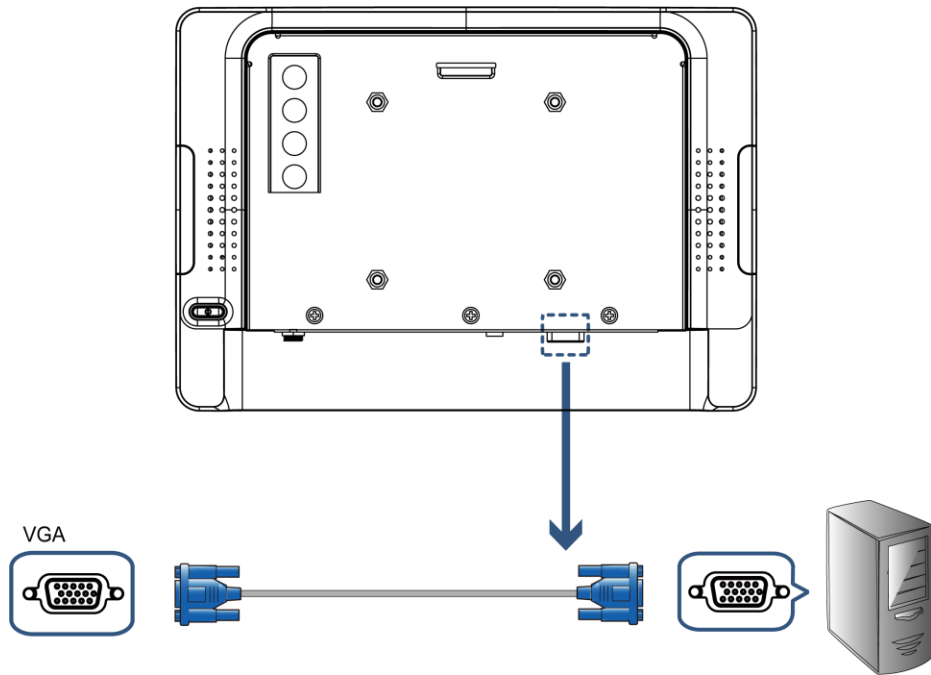
Connecting a HDMI cable

1. Connect the HDMI cable to the HDMI port at the rear of the monitor.
2. Connect the other end of the cable to the HDMI port on the computer or device.



Connecting a VGA cable

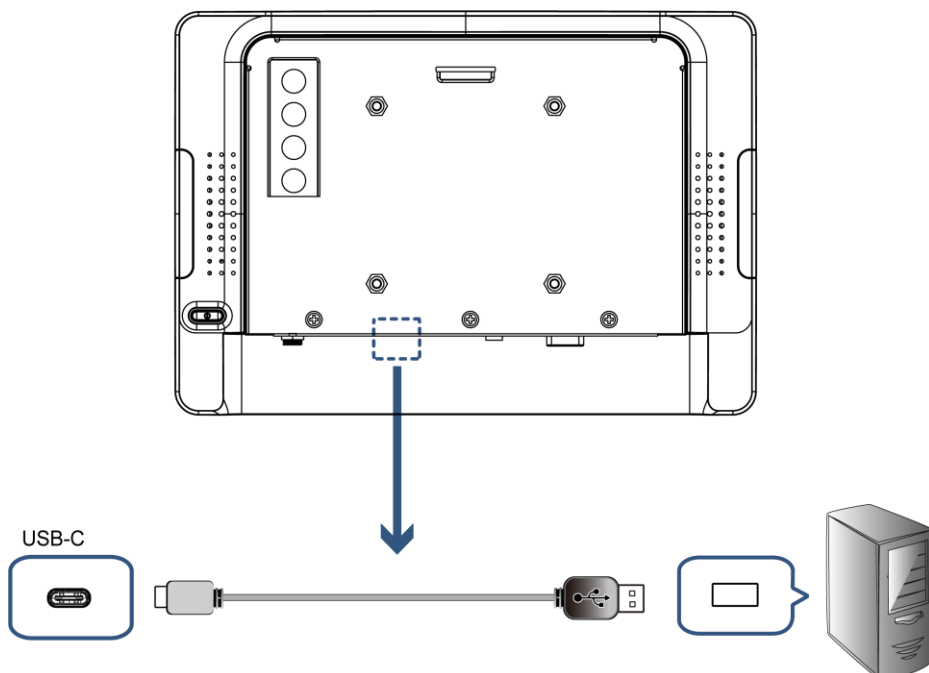
1. Connect the VGA cable to the VGA port at the rear of the monitor.
2. Connect the other end of the cable to the VGA port on the computer or device.



cable

Connecting a Type-C

1. Connect the one end of USB Type-C to the USB-C port at the rear of the monitor.
2. Connect the other end of USB Type-A to the USB port on the computer or device.



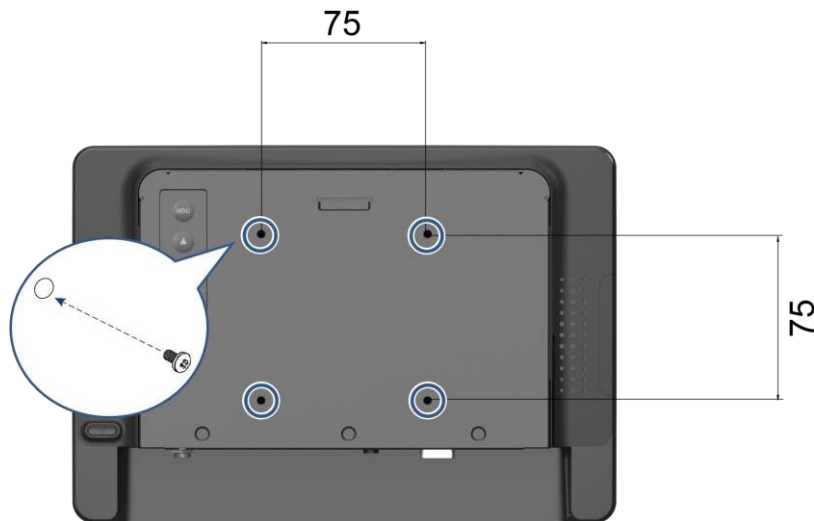
Mounting

On Wall mount

The M10T Touch Monitor has a VESA standard mount with 75mm pattern located at the rear of the monitor, allowing the installation of a wall mount bracket for horizontal (output connectors facing down) and vertical (output connectors facing right) orientations. Before starting the installation, please follow the instructions carefully.

Precautions

- Ensure that the wall material and the standard wall mount bracket (purchased separately) are stable enough to support the weight of the monitor (refer to the NOTE below for weight information).
- To maintain proper ventilation and heat dissipation, keep at least 60mm of clear space from the mounted displays to the wall.



1. Turn off the monitor and disconnect all cables.
2. Place the monitor on a flat, stable surface with the screen facing down.
3. Attach the mounting bracket to the VESA mounting holes at the rear of the monitor. Then secure it with four screws (M4 x 5 mm).
4. Make sure that all screws are tightened and secured properly.



WARNING

Please select the Element original screws!

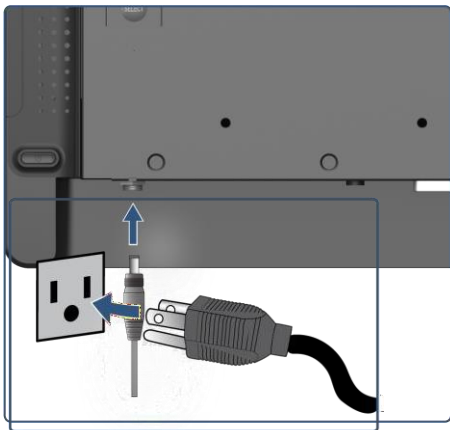
The distance between the back cover surface and the bottom of the screw hole is 5 mm. Please use four M4 screws diameter with 5mm proper length to mount your monitor.

NOTE: The mounting stand must be able to support at least 7.67 lbs. (3.48 Kg).

Operating the Monitor

Setting up the Monitor

1. Plug one end of the power cord into the DC Jack port at the rear of the monitor.



2. Plug the other end of the power cord into a power outlet.

3. The monitor will power on automatically when plugged into power source.
4. Plug in the signal source cables.
5. Plug in the USB cable C-A (touch function) and connect to the signal source device.
6. Turn on the power of the signal source device(s) to begin sending a signal to the monitor.

Adjusting Input Source

Selecting the input source




Press the **MENU** and ▼ at the same time on the keypad, then use the arrow keys (▲ ▼) to navigate to the desired input source, and press **MENU** to exit.

NOTE: If there is no signal input for a period, a "No signal" message will appear and go into standby mode automatically.

Using the Remote Keypad

The M10T Touch Monitor provides a remote keypad in the right-rear side of the display. See the following table for the functions:



Key	Function	Descriptions
MENU	Activate the main menu	Menu / Exit selection
	Brightness	Menu Up / Adjust Up
	Mute	Menu Down / Adjust Down
SELECT	Select / Enter	Enter / Select sub-item function
	Power on / Power off	

Turning the Monitor Off

1. Press the power key, a dialogue box will pop up and ask, "Do you want to turn off?"
2. By pressing the power key again, a confirmation message shows then click the power key, the monitor will be off.

NOTE: If there is no signal input for a period, the monitor will automatically go into standby mode.

Locking the Remote Keypad

Prevents all the monitor settings from being accidentally changed.

NOTE: The monitor must be turned ON with a valid signal pre-set.

To lock the OSD Key

When the OSD Key is locked: all the keys except "Power" key are disabled.

1. Press and hold the **SELECT** key for 3 seconds on the keypad, the "Lock" menu will appear.
2. Press the **SELECT** key to enter **OSD Key** sub menu.
3. Use the arrow keys (▲▼) to choose "Active" then press the **SELECT** key to save changes and press **MENU** to exit.

To lock the Power Key:

When the Power Key is locked: user can not to turn off the monitor by "Power" key.

1. Press and hold the **SELECT** key for 3 seconds on the keypad, the "Lock" menu will appear.
2. Press the **SELECT** key to enter **Power Key** sub menu.
3. Use the arrow keys (▲▼) to choose "Active" then press the **SELECT** key to save changes and press **MENU** to exit.

Navigating the OSD Menus

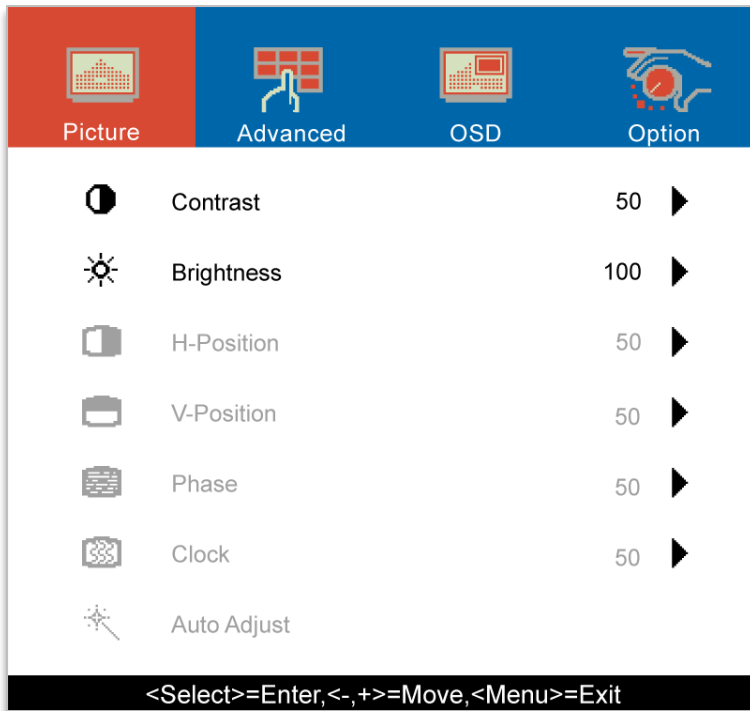
1. With the power on, press **MENU** and the on-screen menu will pop up.
2. Within the menu, use ▲, ▼ and **SELECT** to navigate through the menus and adjust options.
3. Press **MENU** to return to the previous menu or exit the OSD menu.

NOTE: The OSD menu will automatically close if you have left it idle for a pre-set time.

OSD Menu using tips

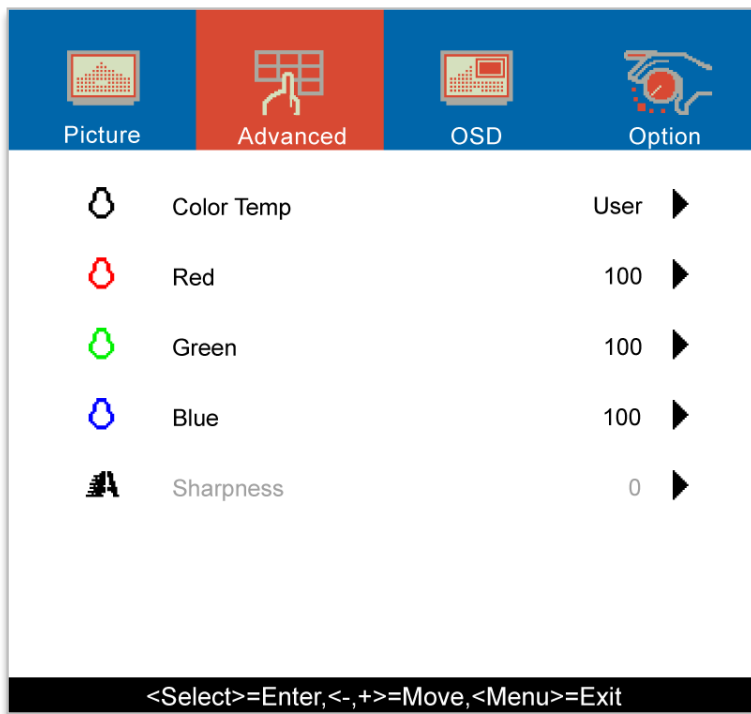
OSD menu options may vary depending on the input sources, functions, and settings. Menu options that are not available will become grayed out.

Picture Menu



Contrast	Increases or decreases the contrast of picture.
Brightness	Increases or decreases the brightness of picture
H-Position VGA input only	Adjust the horizontal position of picture.
V-Position VGA input only	Adjust the vertical position of picture.
Phase VGA input only	Adjust the pixel phase of picture.
Clock VGA input only	Adjust the horizontal dot of picture.
Auto Adjust VGA input only	Adjust and fine-tune the image to full screen automatically.

Advanced Menu



Color Temp

Select color temperature.

Options: 5500K, 6500K, 7500K, 9300K, User

Red

Adjust the amount of red in bright content.

Green

Adjust the amount of green in bright content.

Blue

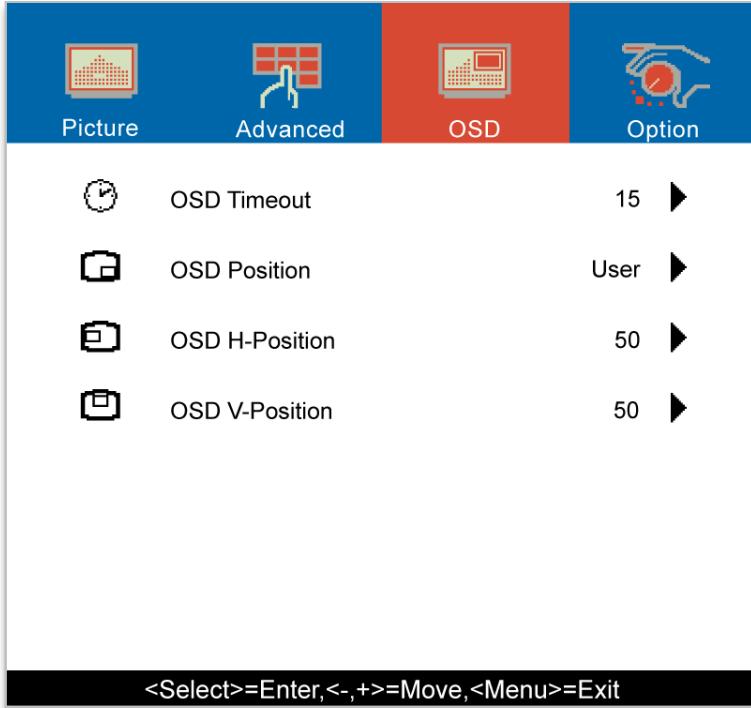
Adjust the amount of blue in bright content.

Sharpness

Adjusts the clarity and visibility of picture.

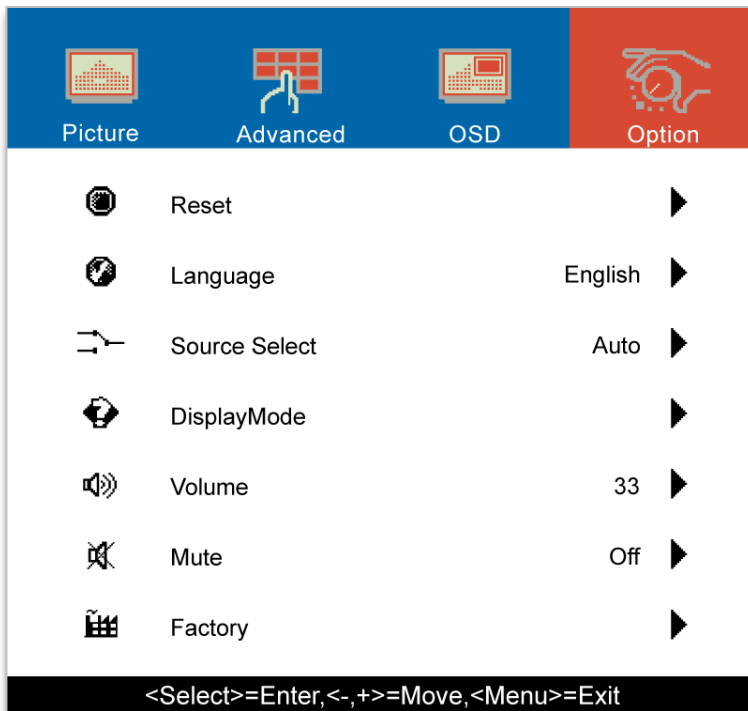
NOTE: When the monitor is set in native resolution (1:1), Sharpness setting is unavailable.

OSD Menu



-
- OSD Timeout** Adjust the time in seconds before the OSD menu disappears.
 - OSD Position** Select the OSD Rotation.
Options: Top Left, Bottom Left, Top Right, Bottom Right, Center
 - OSD H-Position** Adjust the horizontal position of the OSD menu.
 - OSD V-Position** Adjust the vertical position of the OSD menu.

Option Menu



Reset	Restore the factory default settings.
Language	Select the OSD language Options: English, French, Deutsch, Italian, Spanish, Japanese, Traditional Chinese and Simplified Chinese
Source Select	Select the Input Source Options: Auto, VGA, HDMI, DP, TYPE-C
Display Mode	Display the current resolution related information.
Volume	Adjust the audio volume level.
Mute	Mute the audio.
Factory	Enter factory mode This is for maintenance service only. Do not operate this function.

OSD Default Settings

Menu	Parameter	Default Settings
Picture	Contrast	50
	Brightness	100
	H-Position	N/A
	V-Position	N/A
	Phase	N/A
	Clock	N/A
	Auto Adjust	N/A
Advanced	Color Temp	User
	Sharpness	50
OSD	OSD Timeout	15
	OSD Position	User
	OSD H-Position	50
	OSD V-Position	50
Option	Reset	N/A
	Language	English
	Source Select	Auto
	Volume	50
	Mute	Off

Supported Timings

Mode	Resolution	H-Freq. (KHz)	Bandwidth (MHz)		
				H	V
1	VESA 640x480 60Hz	31.47	25.175	-	+
2	VESA 800x600 60Hz	37.88	40	+	+
3	VESA 1024x768 60Hz	48.363	65	-	-
4	SXGA 1280x800 60Hz	49.702	83.500	-	+

NOTE: The screen does not fit the monitor for 640x480 60Hz.

EDID Data

DP/HDMI/Type-C

The monitor assembly shall provide a display communications channel that conforms to VESA DDC2B hardware requirements. This configuration shall contain the 256-byte EDID file as specified by VESA EDID Standard.

VGA

The monitor assembly shall provide a display communications channel that conforms to VESA DDC2B hardware requirements. This configuration shall contain the 128-byte EDID file as specified by VESA EDID Standard.

Dimensions

Front View

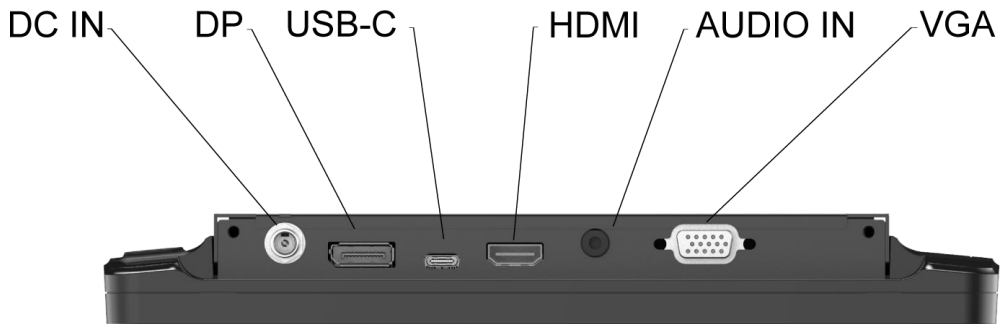
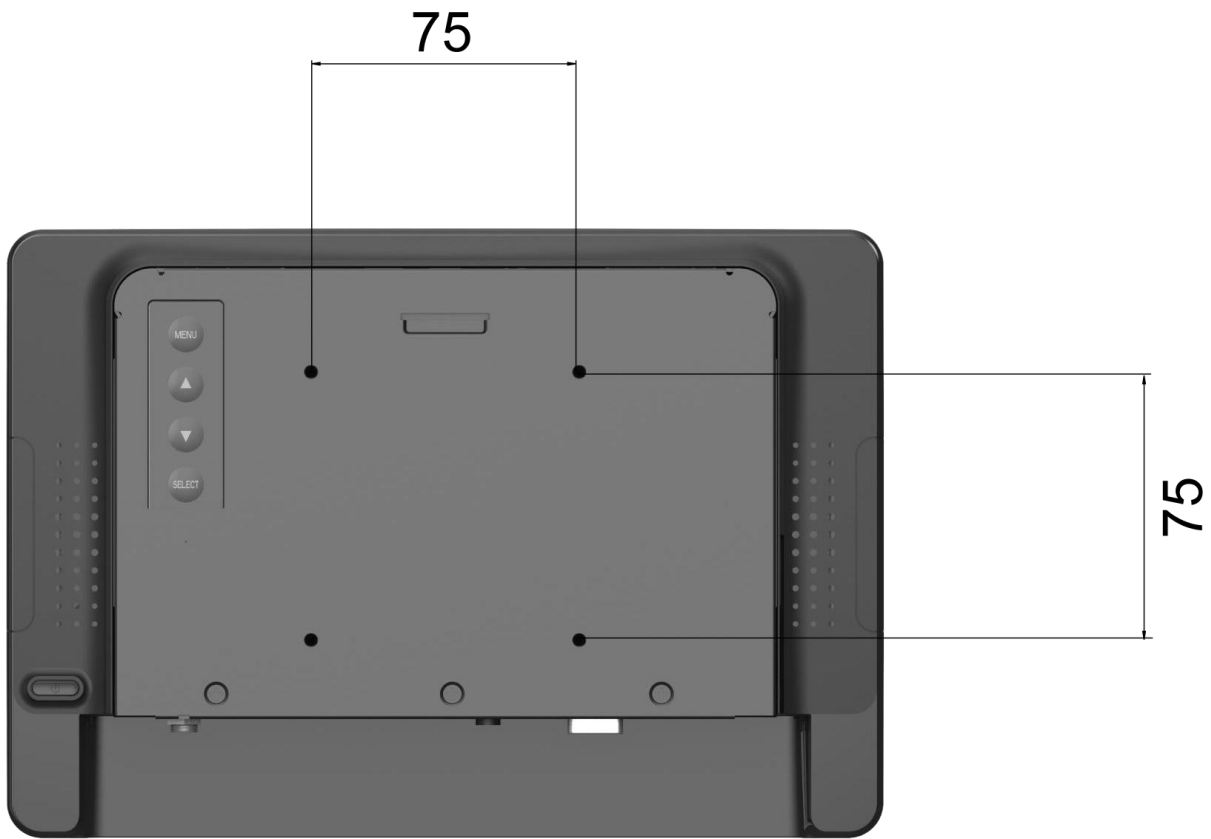


Side View



Rear View

IO Ports View



Regulation

Compliance Information

For FCC (USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For IC (Canada)

CAN ICES-003(B)/NMB-003(B)

For CE (EU)

The device complies with the EMC Directive 2014/30/EU and Low Voltage Directive 2014/35/EU