

ProColor Flat Panels



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Mechanical Layout

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water. Do not install the product in a place where water can splash onto it or near devices such as air conditioners where water may accumulate.
6. Clean only with dry cloth. Avoid spraying aerosols or liquids directly on the product.
7. Do not use accessories or attachments that have not been recognized by the manufacturer.
8. Install in accordance with the manufacturer's instructions.
9. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
10. Do not remove the housing or blades of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11. Route the power cord so that it is not walked on or pinched. Make sure the cable is uninterrupted at receptacles or power bars and at the point where it exits from the display.
12. Only use attachments/accessories specified by the manufacturer.
13. Move and mount only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the product. Be careful moving cart/apparatus combinations to avoid injury from tip-over.



14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Seek repair by a professional in any of the following conditions. Be sure to unplug the display from its power source.
 - a. When the product was exposed to liquids or foreign objects.
 - b. When the power cord or plug is damaged.
 - c. When the product does not operate properly in either touch performance or picture display. Do not attempt to adjust controls beyond those described in the instructions, as this may cause damage.
 - d. When the product has been dropped or damaged
16. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle.
17. The mains plug of the power supply cord shall remain readily operable.

-
18. Use the cables provided with this product, and be sure that other cables used are properly shielded.
 19. Conduct a safety inspection after installation or repair to confirm that the above precautions have been adhered to.

Note: Prolonged use of the display at high volume may cause damage to your ears.



This symbol is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.



(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed of with other household waste at the end of its working life. To prevent possible harm to the environment or damage to health from uncontrolled waste disposal, please separate this from other types of waste and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.


Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal

- The above contents may change without notification.

Safety Precautions

Note

The color and appearance of the product may vary depending on the model, and the product specifications are subject to change without prior notice for reasons of performance enhancement.

 Please read the following safety instructions as they are designed to prevent damage to property and harm to the user.

Warning / Caution



Failure to follow directions noted by this symbol could result in bodily harm or damage to the equipment.

Notational Conventions



Prohibited



Important to read and understand at all times



Do not disassemble



Disconnect the plug from the outlet



Do not touch



Ground to prevent an electric shock

Power



When not used for an extended period of time, set your computer to DPM.

If using a screen saver, set it to active screen mode.

The images here are for reference only, and are not applicable in all cases (or countries).



Do not use a damaged or loose plug.
• This may cause electric shock or fire.



Do not pull the plug out by the wire or touch the plug with wet hands.

-
- This may cause electric shock or fire.



Use only a properly grounded plug and receptacle.

- An improper ground may cause electric shock or equipment damage.



Insert the power plug firmly so that it does not come loose.

- A bad connection may cause fire.



Do not excessively bend the plug and wire, or place heavy objects upon them, as this could cause damage.

- This may cause electric shock or fire.



Do not connect too many extension cords or plugs into one outlet.

- This may cause fire.



Do not disconnect the power cord while using the LED Display.

- A surge may be caused by the separation and may damage the LED Display.



Do not use the power cord when the connector or plug is dusty.

- If the connector or plug of the power cord is dusty, clean it with a dry cloth.
- Using the power cord with a dusty plug or connector may cause electric shock or fire.



To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

- This may cause electric shock or fire.

Installation



Failure to adhere to the following may cause serious damage to your LED Display.



Do not drop the LED Display when moving it.

- This may cause damage to the product or the person carrying it.



Keep any flammable objects such as candles, insecticides or cigarettes away from the product.

- Otherwise, this may cause fire.



Keep any heating devices away from the power cable.

- A melted coating may cause electric shock or fire.



Lift and place down the LED Display carefully only by its handles. Do not lift and move the display by its corners or sides, as causing strain to these sections may cause damage.

- Failing to do so may damage the LED Display.



Do not place the LED Display face down.

- This may damage the LED screen's surface.



The installation of the bracket must be done by a qualified professional.

- Installation of the bracket by unqualified personnel may result in injury.
- Always use a mounting device specified in the owner's manual.



When installing the product, make sure to keep it away from the wall (4cm or more) for ventilation purposes.

- Poor ventilation may cause an increase in the internal temperature of the product, resulting in a shortened component life and degraded performance.



Do not spray water or detergent directly onto the LED Display.

- This may cause damage, electric shock or fire.



LED Interactive support feet should be fixed to furniture or support by screws.

Clean



When cleaning the LED Display case or the surface of the screen, wipe with a dry or slightly moistened, soft fabric.

Keep the product away from places exposed to oil, smoke or moisture; do not install inside a vehicle.



- This may cause a malfunction, electric shock or fire.
- In particular, avoid operating the LED Display near water or outdoors where the LED Display could be exposed to snow or rain.

Others



When removing batteries from the remote control, be careful that they are not swallowed by children. Keep the batteries out of children's reach.

- If the batteries are swallowed, see a doctor immediately.



When replacing batteries, place the batteries in the correct +/- polarity position as indicated on the battery holder.

- The incorrect polarity may cause a battery to break or leak and may cause Fire, injury, or contamination (damage).



Use only specified standard batteries. Do not use new and used batteries together.

- This may cause a battery to break or leak and may cause fire, injury, or contamination (damage).



The batteries (and rechargeable batteries) are not ordinary refuse and must be returned for recycling purposes. The customer is responsible for returning the used or rechargeable batteries for recycling purposes as the consumer.

- The customer can return used or rechargeable batteries to a nearby public recycling center or to a store selling the same type of the battery or rechargeable battery.

Introduction

Package Contents

Note

- Please make sure the following items are included with your LED Display.
- If any items are missing, contact your dealer. Contact a local dealer to buy optional items.

Components List



LED Display

Manual:



User Manual (CD)

Cables
&
Others:



RGB

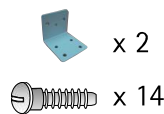
USB For TOUCH

Power plug

Remote Control &
3V Battery(CR-2025x1)

PEN *2

Options:



x 2

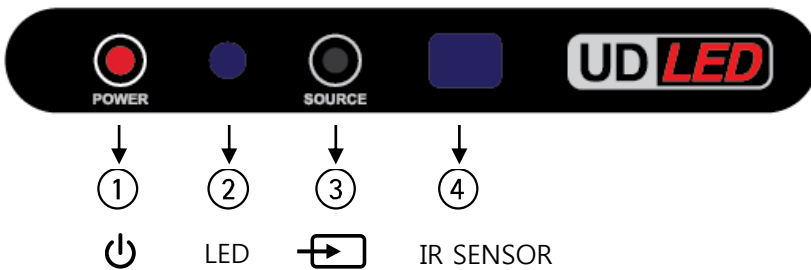
x 14



ProColor-Tray (general use)

USB Cable(2Ea), Screw(14Ea), Bracket (2Ea)

Front



1) POWER(🔌)

Turns the LED Display On/Off.

2) LED

Shows Power ON mode -- BLUE

Shows Power Saver mode by blinking RED.

Shows Power OFF mode -- RED.

3) SOURCE (INPUT 📺)

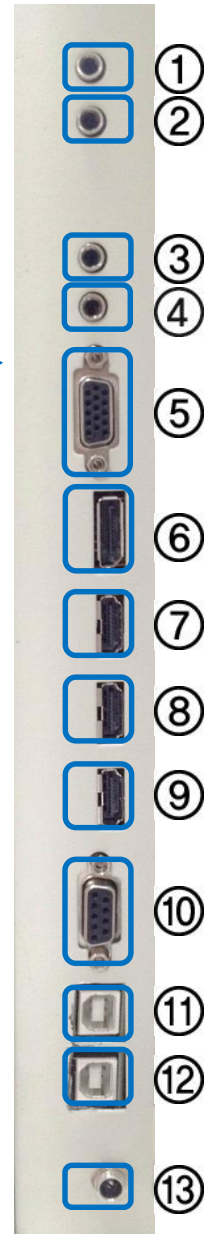
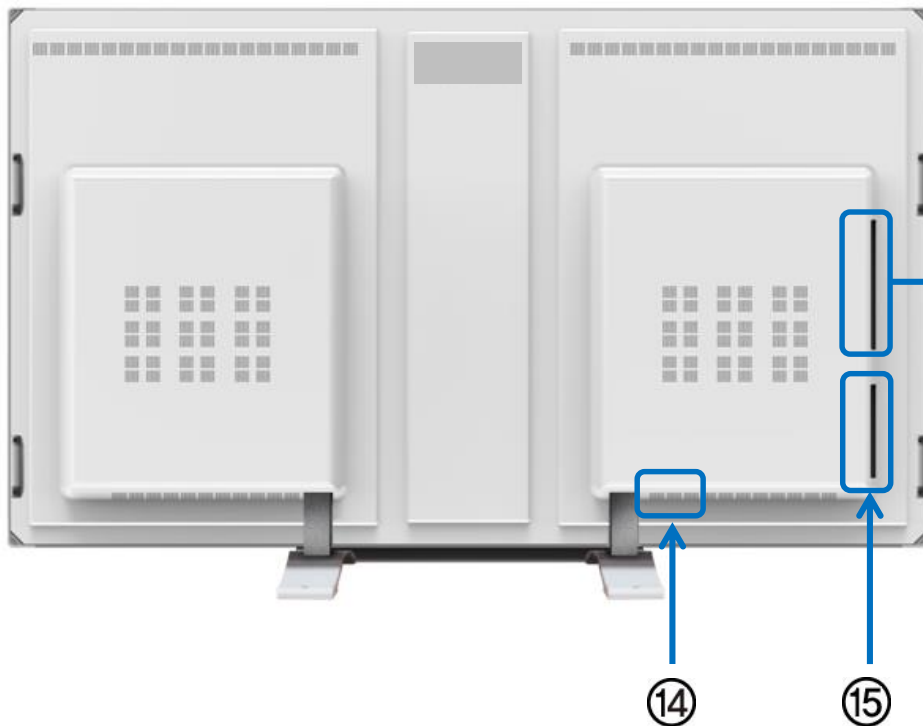
Switches from PC mode to Video mode.

Changing the source is only allowed for external devices that are connected to the LED Display at the time.

4) IR Sensor

Aim the remote control towards the IR sensor to send commands using your display's remote control.

Input / Output Description - 84" only

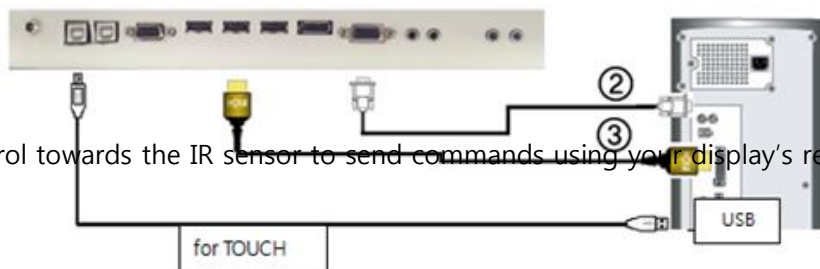
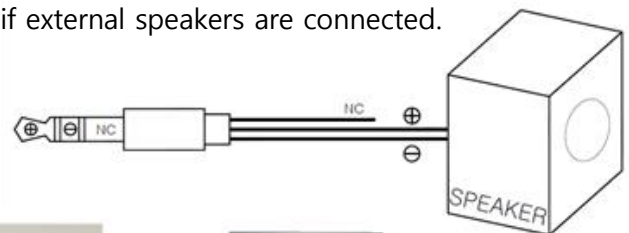


- 1. SPEAKER Out L. (2ch 10W , 8 Ohm)
- 2. SPEAKER Out R. (2ch 10W , 8 Ohm)
- 3. AUDIO LINE Out 4. PC AUDIO Input 5. PC RGB Input
- 6. DISPLAY PORT Input 7. HDMI 3 Input 8. HDMI 2 Input
- 9. HDMI 1 Input 10. RS232C 11. USB (Reserve) 12. USB for Touch
- 13. OPS DC 12V, 5A Power In (Option) 14. AC Power In. (100V ~ 240V)
- 15. Data cable OPS (Option)

PC Connection

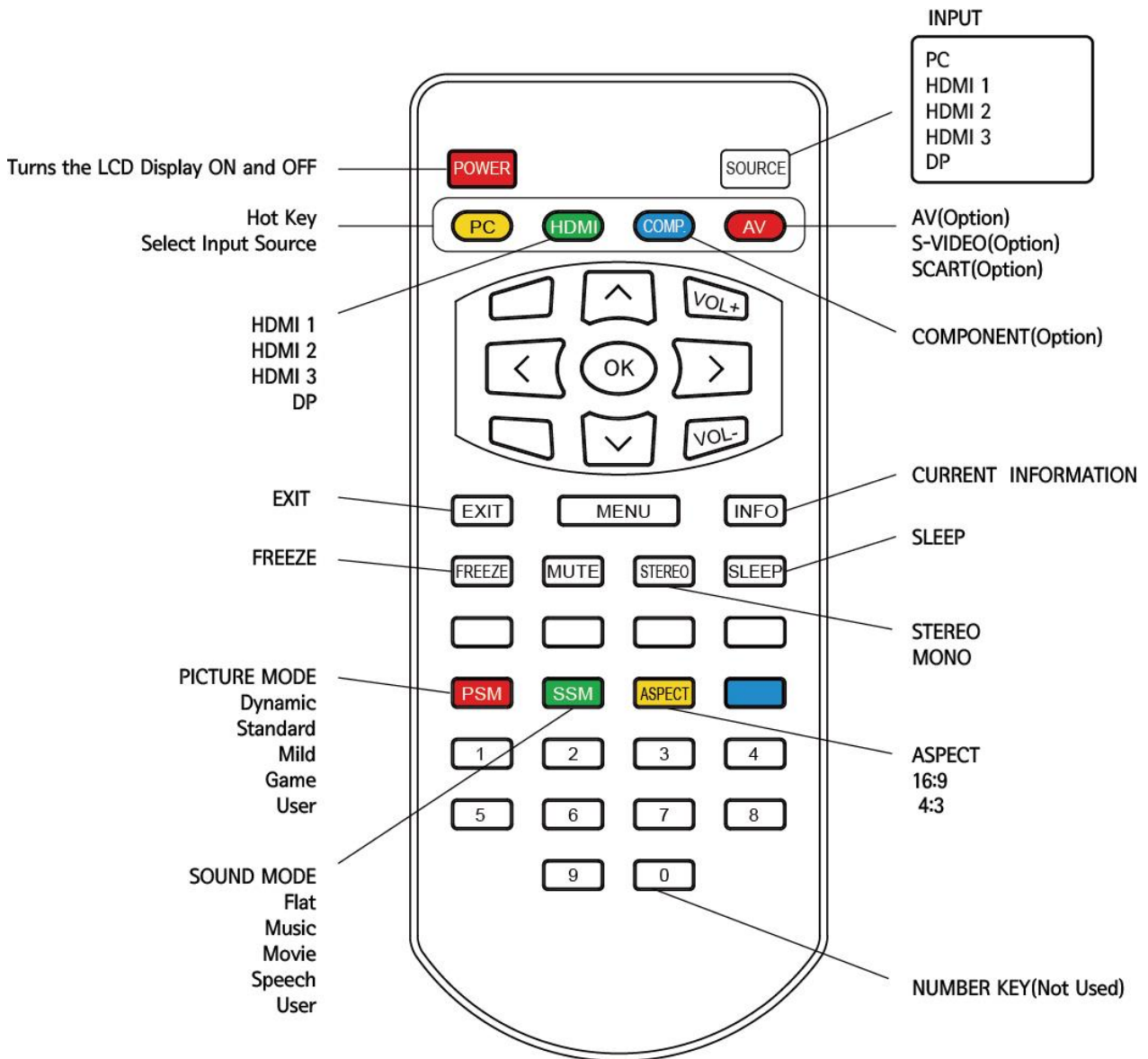
1. Connect RGB cable to ⑤, an Audio connection will be made to ④ using a stereo cable.
2. HDMI cable may be connected to ⑦⑧ or ⑨. Both Video and Audio are transmitted by HDMI.
3. External speakers will be connected to ① and ② inputs using a Ø3.5 stereo cable following the drawing below. L, and R connections are the same. Internal speakers are muted if external speakers are connected.

(Note) Do not connect NC.



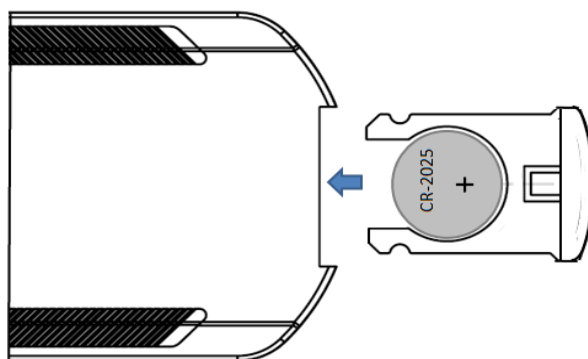
Aim the remote control towards the IR sensor to send commands using your display's remote control.

Remote Control



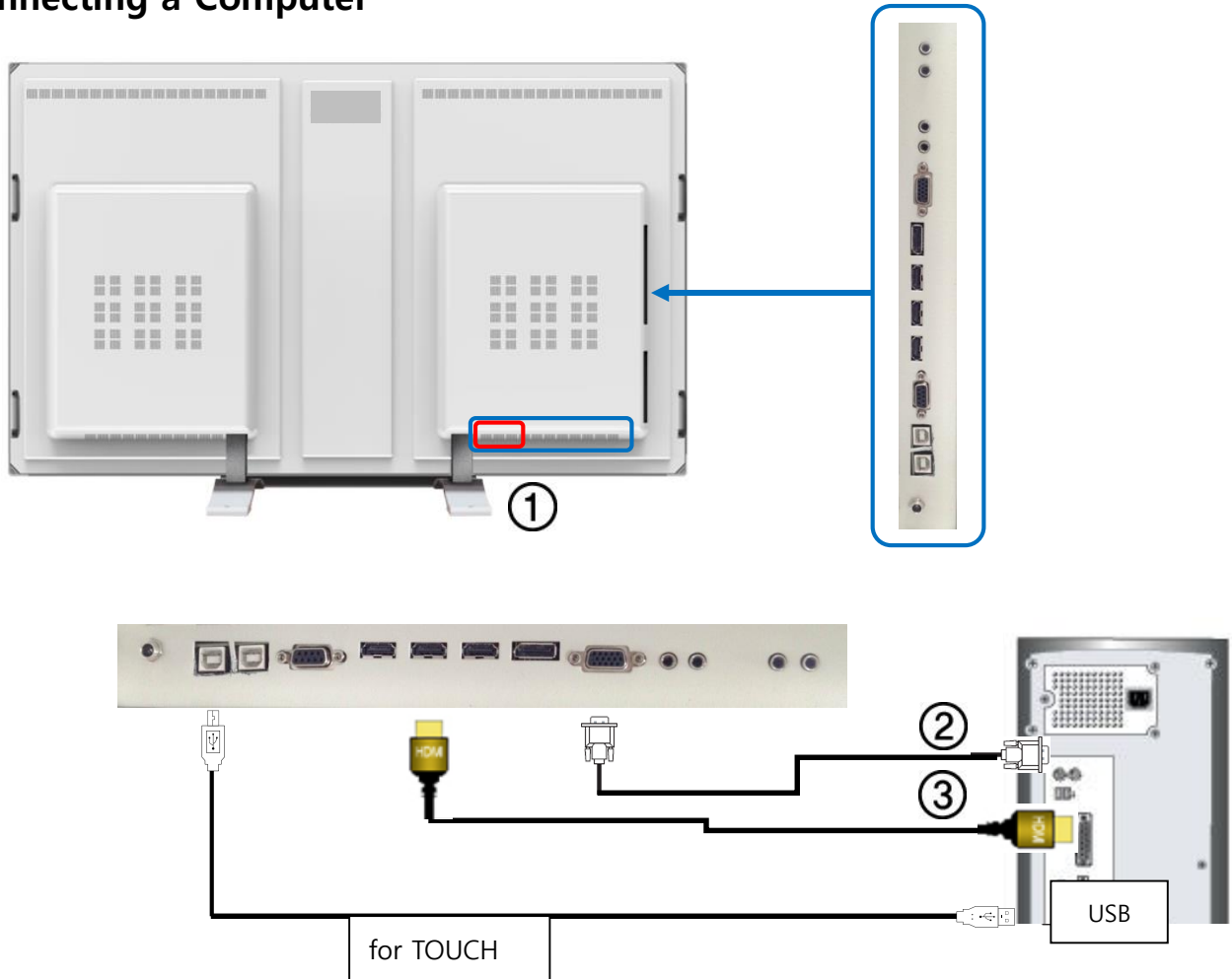
How to insert the battery.

Insert the battery with the polarities facing as shown.



Connection

Connecting a Computer



1. Connect the LED display's power cord to the display and the appropriate electrical plug. Turn the display on by pressing the Power button on the display or remote.
2. **Using the D-sub (Analog) connector on the video card:** Connect the D-sub to the 15-pin, RGB port on the back of your LED Display and the 15 pin D-sub port on the computer.
3. **Using the HDMI(DVI) connector on the video card:** Connect the HDMI(DVI) Cable to the HDMI (HDCP) port on the back of your LED Display and the HDMI(DVI) port on the computer.
4. **Using the USB (TOUCH) connector on the PC USB terminal:** Connect the USB(A-B) Cable to the USB port on the back of your LED Display and the USB port on the computer.

Adjusting the LED Display

Turning the Display On/Off

Once the display is connected, use either the Power button on the front of the display, or the power button found on the remote control. Confirm your display's status by checking the LED light on the front of your display.

Status	Status of the Monitor
Blue	Power is On
Red	Power is Off (Standby Mode)
Red Flashing	Waiting for Input Signal

Picture Menus

◆ Press the [MENU] Button.

The OSD Main MENU will be shown.



◆ Enter the **PICTURE MENU**

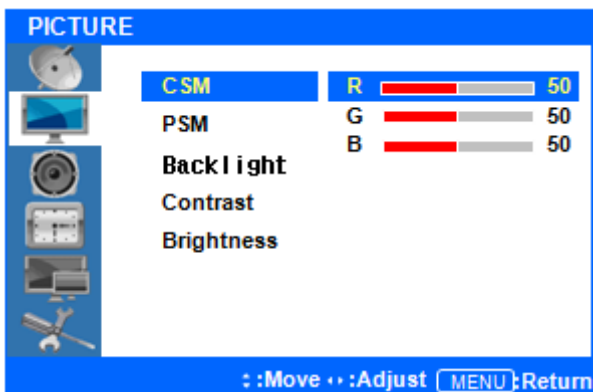
Press the ▲/▼ buttons to move through options in the PICTURE Menu. When you have moved to the option you would like to adjust, press the ENTER button and you will enter its settings.



◆ Adjustment **CSM**(Color Status Mode)

Press the ▲/▼ buttons to move to CSM. Press the ENTER Button to select it.

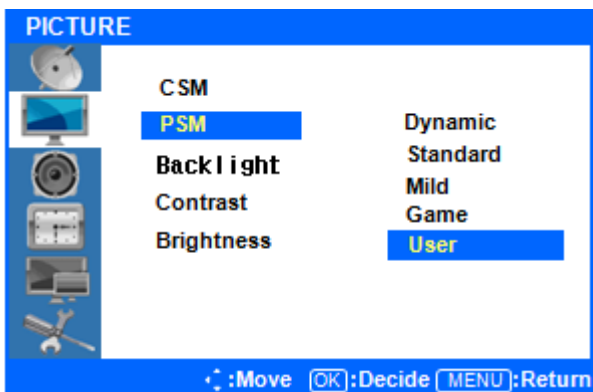
Press the ▲/▼ buttons to move to either Cool, Normal, Warm, or User. Cool, Normal and Warm are preset color options. If you want to adjust the color settings individually, select USER and press the ENTER Button.



◆ Custom adjustment CSM

Press the ▲/▼ buttons to highlight the Red, Green or Blue level. Next, press the ENTER button to select one of them.

Once selected, press the </> buttons to adjust the Red, Green, or Blue level.

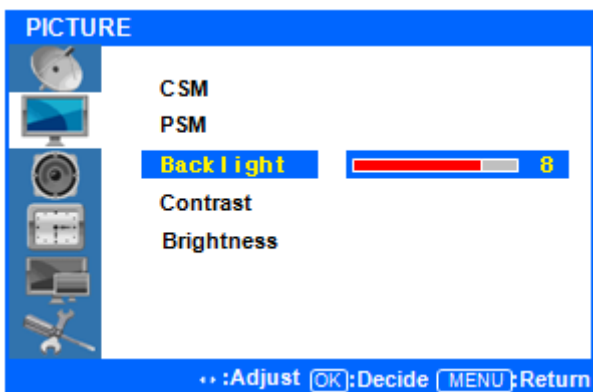


◆ Picture Select mode

Press < or the Menu button to move or go back to the previous menu options.

Press the ▲/▼ buttons to highlight PSM (Picture Status Mode), and press the ENTER button to see the available options.

Press the ▲/▼ buttons to select highlight either Dynamic/Standard/Mild/Game/User, and press ENTER to select one. User is the default setting.



◆ Backlight Adjustment

Press < or the Menu Button to move or go back to the previous menu options.

Press the ▲/▼ buttons to highlight Backlight, and press the ENTER button to change the setting.

Note that the backlight value is related to power consumption. If you set your backlight at a higher level, you may be using more energy.

◆ Contrast and Brightness Adjustment

Press < or the Menu Button to move or go back to the previous menu options.

Press the ▲/▼ buttons to highlight Contrast or Brightness, and press the ENTER button to change either of their settings.

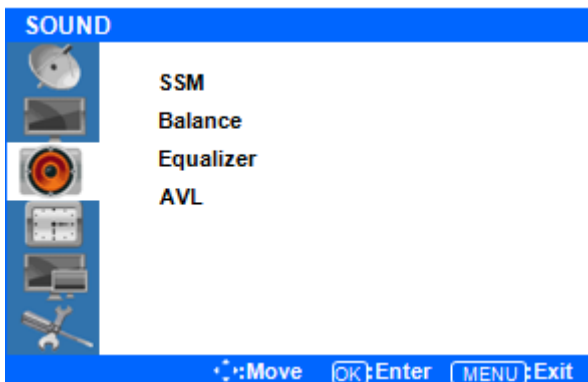
Press the </> buttons to adjust both the Contrast and Brightness levels.

After finishing, press the [Exit] Button to exit the OSD MENU.

Sound Menus

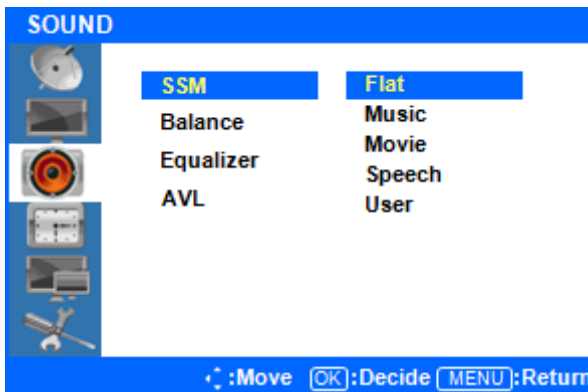
◆ Press [MENU] Button.

The OSD Main MENU will be shown.



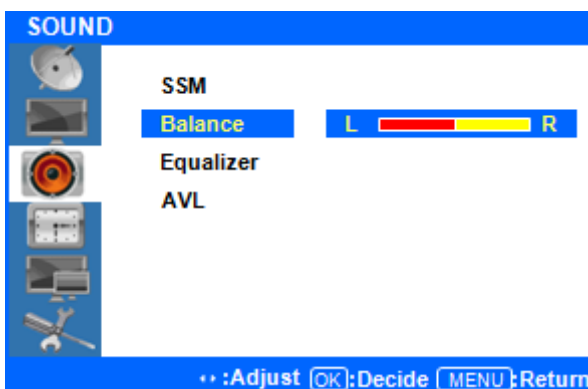
◆ Entering the Sound **MENU**

Press the ▲/▼ buttons to move up to the SOUND Menu. Press the ENTER button to enter the menu.



◆ Select Sound Status Mode

Press the ▲/▼ buttons to move up to the SSM (Sound Status Mode) Menu, and press the ENTER button to view the settings. Press ▲/▼ Button to select either Flat/Music/Movie/Speech/User, and press the ENTER button to select one.

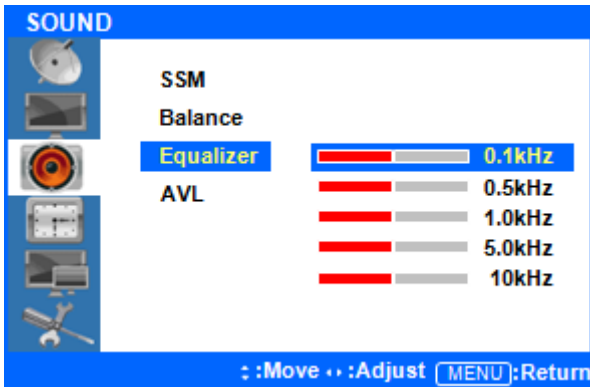


◆ Sound Balance

Press < or the Menu Button to move or go back to the previous menu options.

Press ▲/▼ Button to highlight the Balance Menu, and press the ENTER button to adjust the settings.

Press the </> buttons to adjust the Left/Right Balance value.



◆ Equalizer Adjustment

Press **◀** or the **Menu Button** to move or go back to the previous menu options.

Press **▲/▼** Button to highlight the Equalizer Menu, press the **ENTER** button to view the settings.

Press the **▲/▼** buttons to highlight one of the 0.1/0.5/1.0/5.0/10kHz values. Press the **ENTER** button to select the value and change its setting.

Press the **◀/▶** buttons to adjust the frequency setting.

AVL mode is not supported.

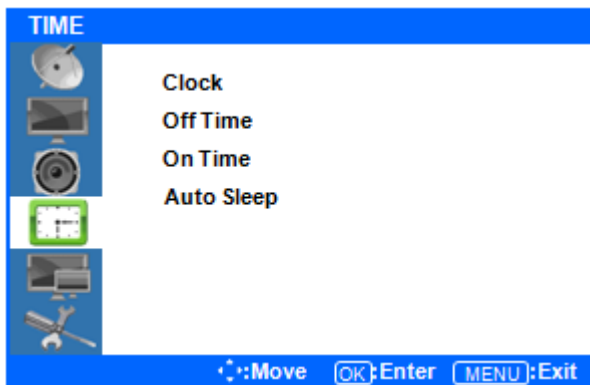
After finishing your adjustments, press the **[Exit]** button to exit the OSD MENU.

Time Menus

Setup your system's clock and automatic ON/OFF times.

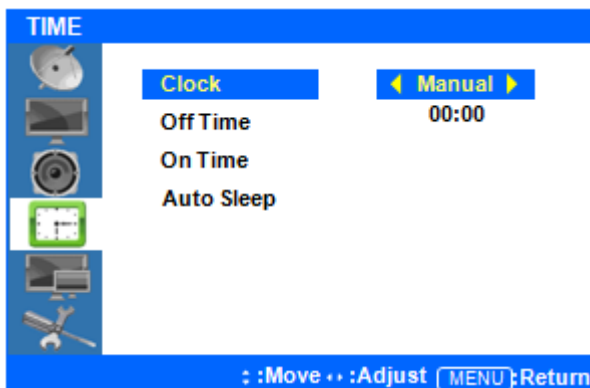
◆ Press the **[MENU]** Button.

The OSD Main MENU will be shown.



◆ Entering the TIME MENU

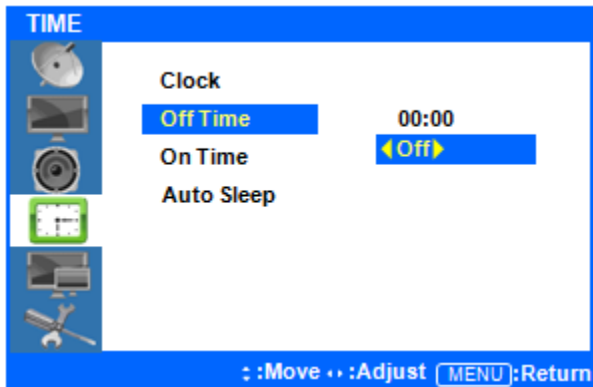
Press the **▲/▼** buttons to move up to the TIME Menu. Press the **ENTER** button to view the options in the menu.



◆ Setup System Clock

Press the **▲/▼** buttons to highlight the Clock Menu. Press the **ENTER** button to view and adjust the time setting. Your display will not automatically detect the time. You must set the time manually. **Auto** mode is not available.

Press the **▲/▼** buttons to highlight Manual, and press the **ENTER** button to select it.



Press the ▲/▼ buttons to adjust the time, and press the ENTER button to confirm it.

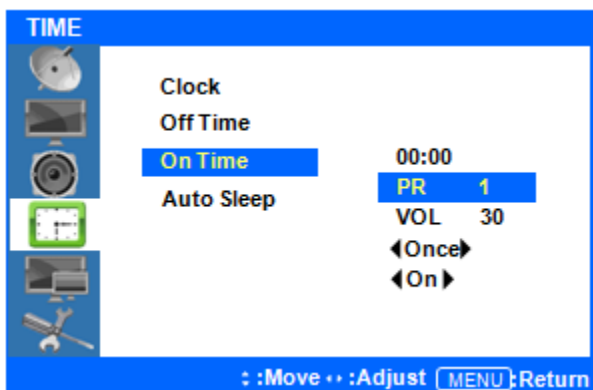
◆ Setup System OFF Time

Press ◀ or the Menu Button to move or go back to the previous menu options.

Press the ▲/▼ buttons to highlight Off Time, and press the ENTER button to select it.

Press the ▲/▼ buttons to highlight Off, and press the ◀/▶ buttons to turn this feature on or off.

Press the ▲/▼ buttons to highlight the time, and press ◀/▶ buttons to adjust the minutes and hours. Set the time you would like the display to automatically power off. Exit to save these settings.



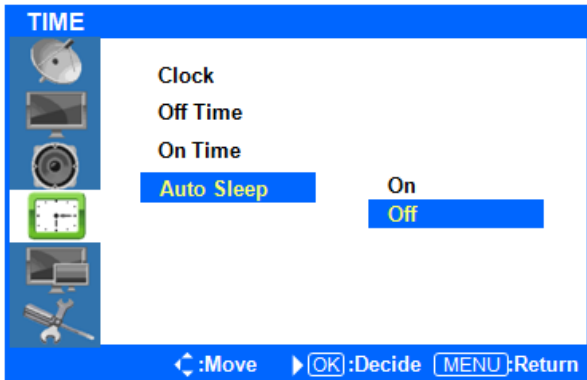
◆ Setup System ON Time

Press ◀ or the Menu Button to move or go back to the previous menu options.

Press the ▲/▼ buttons to highlight On Time, and press the ENTER button to adjust the settings.

Press the ▲/▼ buttons to highlight the time, and press ◀/▶ buttons to adjust the minutes and hours. Set the time you would like the display to automatically power off.

Use the ▲/▼ buttons to highlight VOL and use the ◀/▶ buttons to set the volume level you would like the display to automatically turn on at. The other options allow you to choose how often you want the display to automatically turn on (once/daily). Finally, you can choose to have this feature ON or OFF. Exit to save your settings.



◆ Setup Auto Sleep

If Auto Sleep mode is ON, the screen will go to sleep when no input signal is received and 5 minutes have passed.

Press ◀ or the Menu Button to move or go back to the previous menu options.

Press the ▲/▼ buttons to highlight Auto Sleep, and press the ENTER button to change the settings.

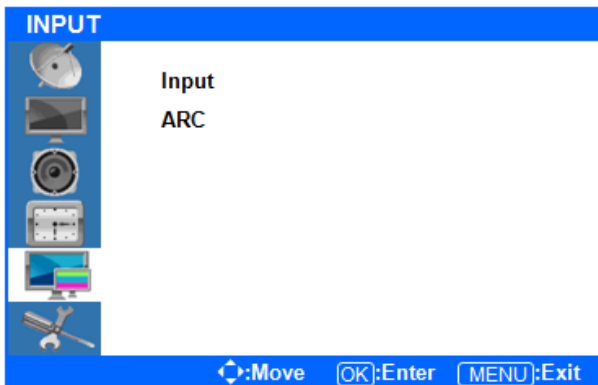
Press the ▲/▼ buttons to select OFF or ON, and press the ENTER button to select it.

After finish your adjustments, press the [Exit] Button to exit out of the OSD MENU.

Input Menus

◆ Press the [MENU] Button.

The OSD Main MENU will show.



◆ Entering the Input MENU

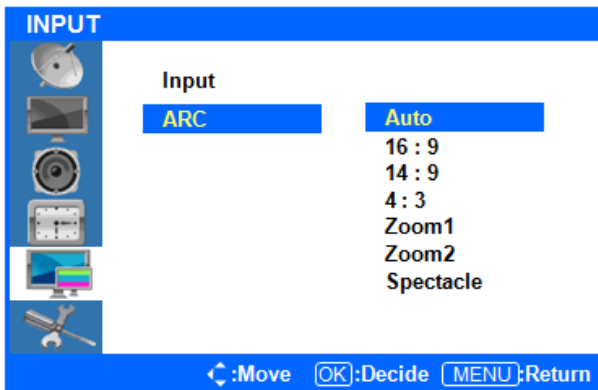
Press ▲/▼ Button to highlight Input, Press the ENTER button to enter and view the available settings.



◆ Input source select

Press the ▲/▼ buttons to highlight either PC/HDMI1/ HDMI2/HDMI3/DP. Once the desired input is highlighted, press the ENTER button to select it.

Only sources that are connected to the display can be selected.



◆ Selecting the screen ratio

Press ◀ or the Menu Button to move or go back to the previous menu options.

Press the ▲/▼ buttons to highlight ARC (Auto Ratio Control), and press the ENTER button to view the available settings.

Press the ▲/▼ buttons to select either AUTO/16:9/ 14:9/4:3/Zoom1/Zoom2/Spectacle. After highlighting the desired screen ration, press the ENTER button to select it.

After finishing the adjustment, Press the [Exit] Button to exit the OSD MENU.

Setup Menus

◆ Press the [MENU] Button.

The OSD Main MENU will be shown.



◆ Entering the SETUP MENU

Press the ▲/▼ buttons to highlight SETUP and press the ENTER Button.



◆ Change the OSD Language

Press the ▲/▼ buttons to select Language, and press the ENTER button to view and select available languages. Use the ▲/▼ buttons to highlight the language you would like to use and press the ENTER button to select it.



◆ Setup Child Lock (deactivate display buttons)

Press ◀ or the Menu Button to move or go back to the previous menu options.

Press the ▲/ ▼ buttons to highlight Child Lock, and press the ENTER Button.

Press the ▲/▼ buttons to select ON or OFF. Press the ENTER button to choose either option. ON will lock the display's buttons so that you can only control through the remote.



◆ SETUP WXGA

Press ◀ or the Menu Button to move or go back to the previous menu options.

Press the ▲/▼ buttons to highlight the WXGA Menu, and press the ENTER button to view the available resolutions.

Press the ▲/▼ buttons to highlight your desired resolution, and press the ENTER button to select it



◆ Setup Reset

Press ◀ or the Menu Button to move or go back to the previous menu options.

Press the ▲/ ▼ buttons to highlight Reset. Press the ENTER Button.

Press the ▲/▼ buttons to select On Off, and press the ENTER button to confirm. Selecting Reset On will return all OSD menu settings to their factory defaults. Selecting Reset Off will cancel and exit the menu.

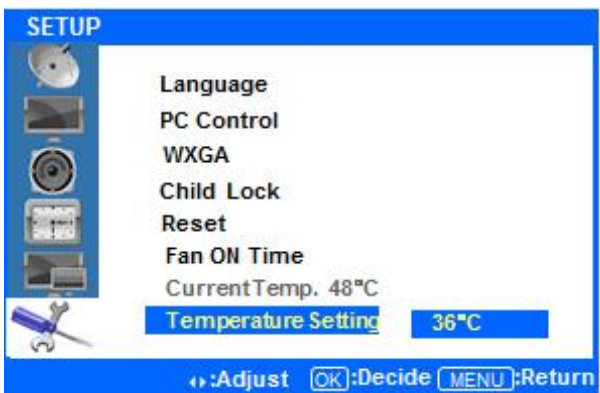


◆ Setup Fan ON Time

Press ◀ or the Menu Button to move or go back to the previous menu options.

Press the ▲/ ▼ buttons to highlight Fan ON Time. Press the ENTER Button.

Press the ▲/▼ buttons to select ON/20 Min/30 Min and press the ENTER button to confirm. When ON is selected, the display's fan will operate constantly. If 20 Min or 30 Min are selected, the display fan will operate for those durations when the temperature selected in Temperature Setting is met.



◆ SETUP Temperature Setting

Press ◀ or the Menu Button to move or go back to the previous menu options.

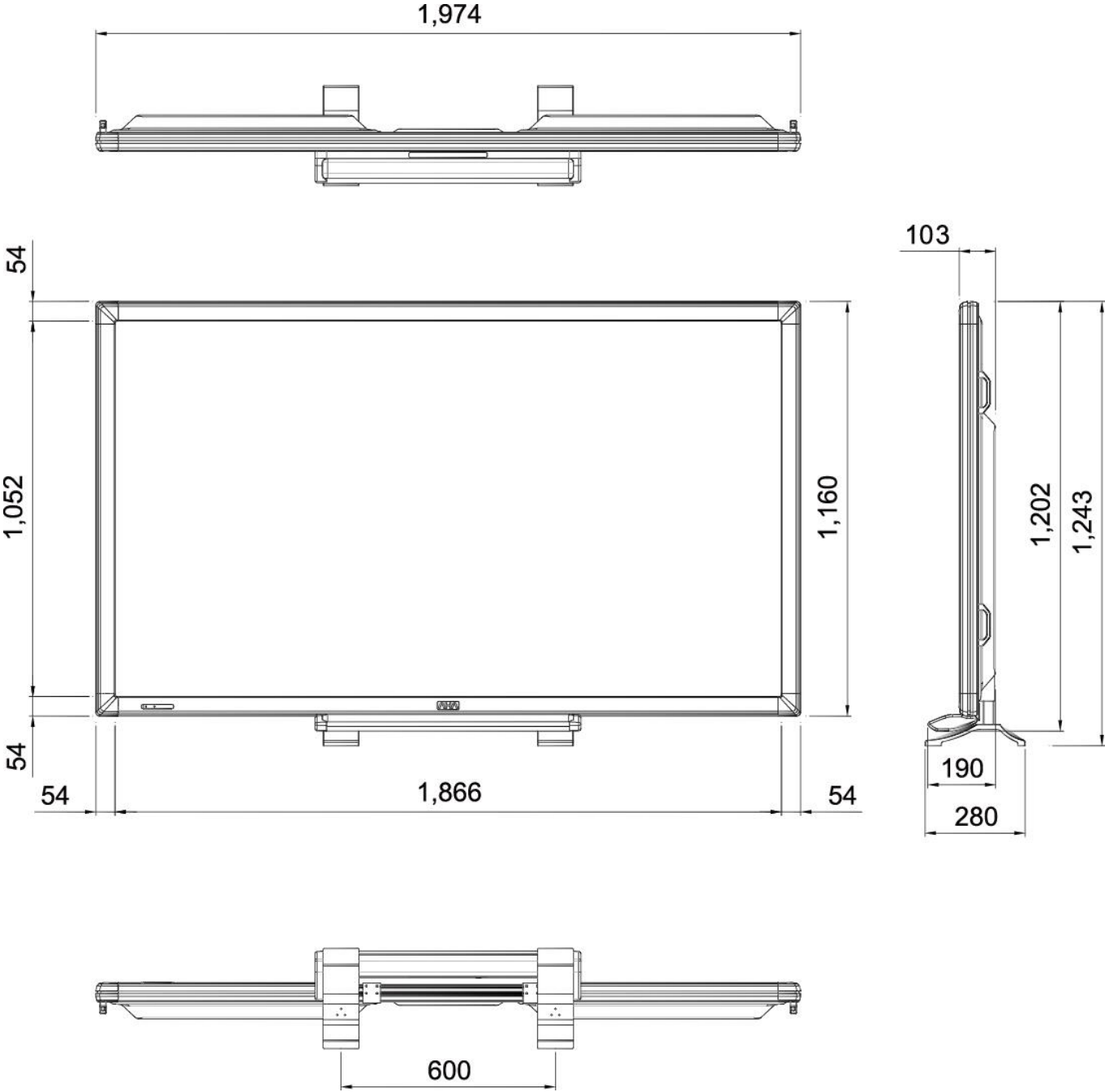
Press the ▲/▼ buttons to highlight the Temperature Setting Menu, and press the ENTER button to adjust the level.

Press the ◀/▶ buttons to select the temperature setting at which the fan will operate. Values between 35°C~80°C are possible. Press the ENTER button to select the level.

After finishing your adjustments, press the [Exit] button to exit the OSD MENU.

Mechanical Layout

84" LED INTERACTIVE



Mechanical Layout

70" LED INTERACTIVE

