



PM16-S
Portable Monitor

USER'S GUIDE

www.planar.com

This document may not be copied in any form without permission from Planar. Information in this document is subject to change without notice.

Trademark Credits

Windows™ is a trademark of Microsoft Corp.

The terms HDMI®, HDMI High-Definition Multimedia Interface , HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDM Licensing Administrator, Inc. All other companies are trademarks or registered trademarks of their respective companies.

Disclaimer

The information contained in this document is subject to change without notice. Planar Systems, Inc. makes no warranty of any kind with regard to this material. While every precaution has been taken in the preparation of this manual, the Company shall not be liable for errors or omissions contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Energy Star



ENERGY STAR is a program run by the U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE) that promotes energy efficiency. This product qualifies for ENERGY STAR in the " factory default " settings and this is the setting in which power savings will be achieved. Changing the factory default picture settings or enabling other features will increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR rating. For more information on the ENERGY STAR program, refer to energystar.gov.

Content

Operation Instructions	1
Unpacking Instructions	3
Safety Precautions	3
Consignes de sécurité	4
Package Overview	5
First Setup	6
Front View of the Product.....	8
Rear View of the Product	9
Installation.....	10
Basic Operation	11
OSD Menu	12
Supporting Timing Modes	18
Technical Information	19
Wall Mount Instructions	20
Care and Maintenance Wall	21
Troubleshooting	21
Planar Support	22

Operation Instructions

Thank you for purchasing the PM16-S monitor. Please read this guide thoroughly before installation.

FCC RADIO FREQUENCY INTERFERENCE STATEMENT WARNING: (FOR FCC CERTIFIED MODELS)

This portable monitor has been tested and found compliant with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide proper protection against harmful interference to a residential installation. This portable monitor generates, uses, and can radiate radio frequency energy. Harmful interference to radio communication may be the result if it's not properly installed and used. However, there is no guarantee that interference will not occur in a particular installation. If this portable monitor does cause serious interference to radio or television reception, resetting may correct it. Moreover, users are encouraged to reduce interference by doing one or more of the following:

- Reorient or relocate the receiving antenna.
- Move the portable monitor and the receiver further away from each other.
- Connect the portable monitor into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local dealer or a qualified technician.

FCC Warning:

To assure a continued FCC compliance, a user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to this portable monitor would void the user's authority to operate this device.

Note: If necessary, shielded interface cables must be used to meet the emission level limits.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.



According to WEEE regulation, this portable monitor can't be handled as normal trash in Europe when it is out of usage. Please refer to the recycle information on Planar's website to handle it.

For more information on how to recycle your product, please visit <http://www.planar.com/about/green/>

COMMUNIQUE D'AVERTISSEMENT DE LA FCC CONCERNANT LES INTERFERENCE DE FREQUENCE RADIO: (SEULEMENT POUR MODELES CERTIFIE PAR LA FCC)

Ce moniteur a été testé et à été trouvé conforme aux limites pour un appareil numérique de Class B, suivant la partie 15 des règlements de la FCC. Ces limites ont été développées pour offrir une protection satisfaisante contre les interférences nuisibles dans une installation résidentielle. Ce moniteur génère, utilise et peut radier de l'énergie de fréquence radio. Ceci peut causer des interférences nuisibles à des communication radio si l' appareil n' est pas convenablement installé et utilitsé. Il n'y à néanmoins aucune garantie que des interférences n'apparaîtront pas dans une installation particulière. Si ce moniteur cause de sérieuses interférences à la réception de signaux radios ou télévisées, une possibilité est de réinitialiser le moniteur. Les usagers sont aussi encouragés à corriger les interférences en appliquant une ou plusieurs des démarches suivantes:

- Réorientez ou déplacez l'antenne de réception.
- Placez le moniteur et le récepteur plus loin l'un de l'autre.
- Connectez le moniteur à une prise différente de celle à laquelle le récepteur est connecté.
- Consultez votre revendeur local ou un technicien qualifié.

Avertissement de la FCC:

Pour assurez une conformité continue au règlements de la FCC, l'utilisateur doit utiliser un cordon d'alimentation mis à terre et le câble d'interface vidéo protégé avec noyaux en ferrite, fourni avec l'appareil. Chaque modification ou changement non-autorisé appliqué à ce moniteur peut faire perdre à l'utilisateur sont droit d'opération de cet appareil.

Note: Si nécessaire, des câbles d'interface protégés et un cordon d'alimentation alternante doivent être utilisé pour être conforme aux limites d'émission.

Des câbles blindés doivent être utilisés avec cet appareil pour assurer la conformité aux limites FCC Class B.

Unpacking Instructions

- Remove the Portable Monitor out of the package.

Safety Precautions

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.
- Surface may be cleaned using a soft clean cloth moistened with mild window glass commercial cleaners or 50/50 mixture of water and isopropyl alcohol.
- Use a soft cloth moistened with mild detergent to clean the display housing.
- 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 touch the LED display screen surface with sharp or hard objects.
- Do not use abrasive cleaners, waxes or solvents for your cleaning.
- Do not operate the product under the following conditions:
 - Over 16 hours per day.
 - Extremely hot, cold or humid environment.
 - Areas susceptible to excessive dust and dirt.
 - Near any appliance generating a strong magnetic field.
 - In direct sunlight.
- If smoke, abnormal noise or odor emits from your portable monitor , remove the power cord immediately and call your service center.
- Never remove the rear cover of your portable monitor . The display unit inside contains high-voltage parts and may cause electric shock.
- Never try to repair your portable monitor yourself. Always call your service center or a qualified technician to fix it.
- Due to safety concerns, if the VESA mounting kit is purchased separately, please make sure the mounting kit is UL-listed, and replaceable only by service personnel.

Consignes de sécurité

Respectez tous les avertissements, les précautions et conseils d'entretien recommandés dans ce manuel de l'utilisateur pour maximiser la durée de vie de votre appareil.

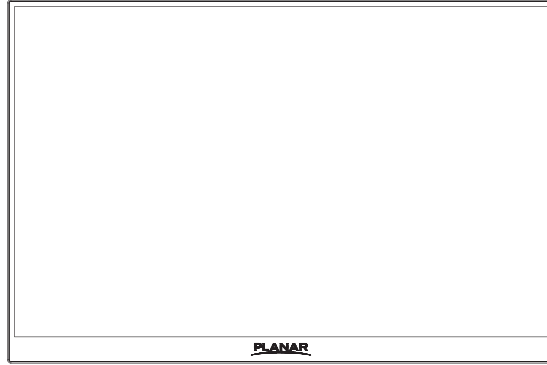
A faire:

- Éteindre le produit avant de le nettoyer.
- La surface de l'écran tactile peut être nettoyée avec un chiffon doux et propre imprégné d'un nettoyant doux du commerce pour vitres ou d'un mélange à 50/50 d'alcool isopropylique et d'eau.
- Utilisez un chiffon doux imprégné d'un détergeant doux pour nettoyer le carter de l'affichage.
- Débranchez la fiche d'alimentation de la prise de courant secteur si le produit ne doit pas être utilisé pendant une période prolongée.

A ne pas faire:

- Ne touchez pas la surface de l'écran LED avec des objets coupants ou durs.
- N'utilisez pas des produits de nettoyage abrasifs, de la cire ou des solvants pour le nettoyage.
- N'utilisez pas le produit dans les conditions suivantes:
 - Plus de 16 heures par jour.
 - Environnement extrêmement chaud, froid ou humide.
 - Endroits poussiéreux ou sales.
 - Près d'appareils générant un fort champ magnétique.
 - Sous la lumière directe du soleil.
- Si de la fumée, un bruit anormal ou une odeur s'échappait de votre moniteur portable, débranchez immédiatement le cordon d'alimentation et appelez votre centre de réparation.
- Ne retirez jamais le couvercle arrière de votre moniteur portable. L'unité d'affichage contient des éléments où circule un voltage élevé et présentant un risque d'électrocution.
- N'essayez jamais de réparer vous-même votre moniteur portable. Faites toujours appel à votre centre de service ou à un technicien qualifié pour toute réparation.
- Pour des raisons de sécurité, si vous achetez séparément le kit de fixation VESA, assurez-vous que celui-ci est certifié UL, et qu'il peut être remplacé uniquement par un technicien qualifié.

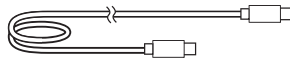
Package Overview



Portable Monitor



Adapter
5V 3A



USB-C cable (PD65W)



Mini HDMI to HDMI Cable



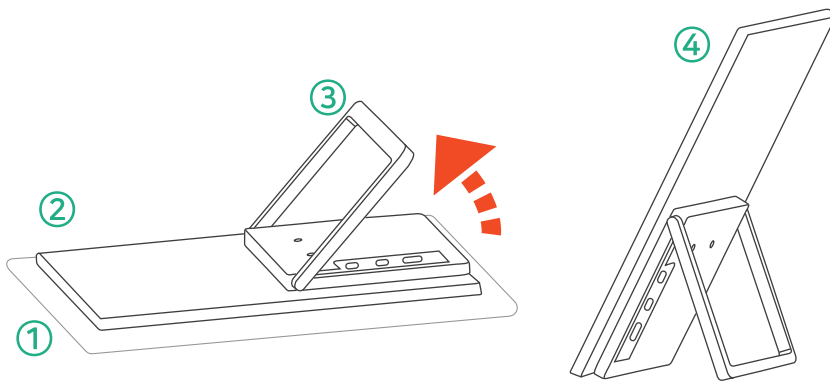
Carrying Case



User's Guide

Setup

1. To prevent screen damage, please place a soft cloth or the carrying case on the table.
2. Lay the monitor flat on the carrying case or on a cloth with the screen facing down.
3. Lift the monitor stand into the proper position.
4. Set the monitor upright.

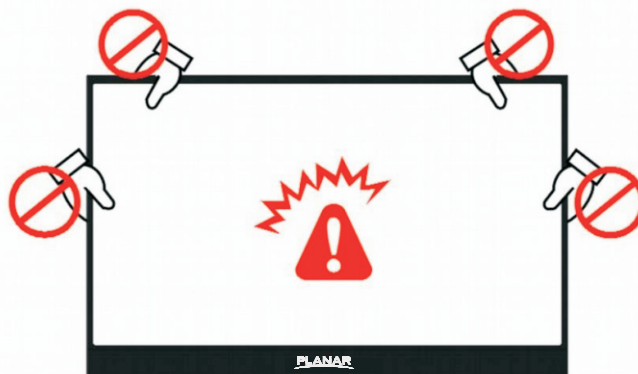


Caution

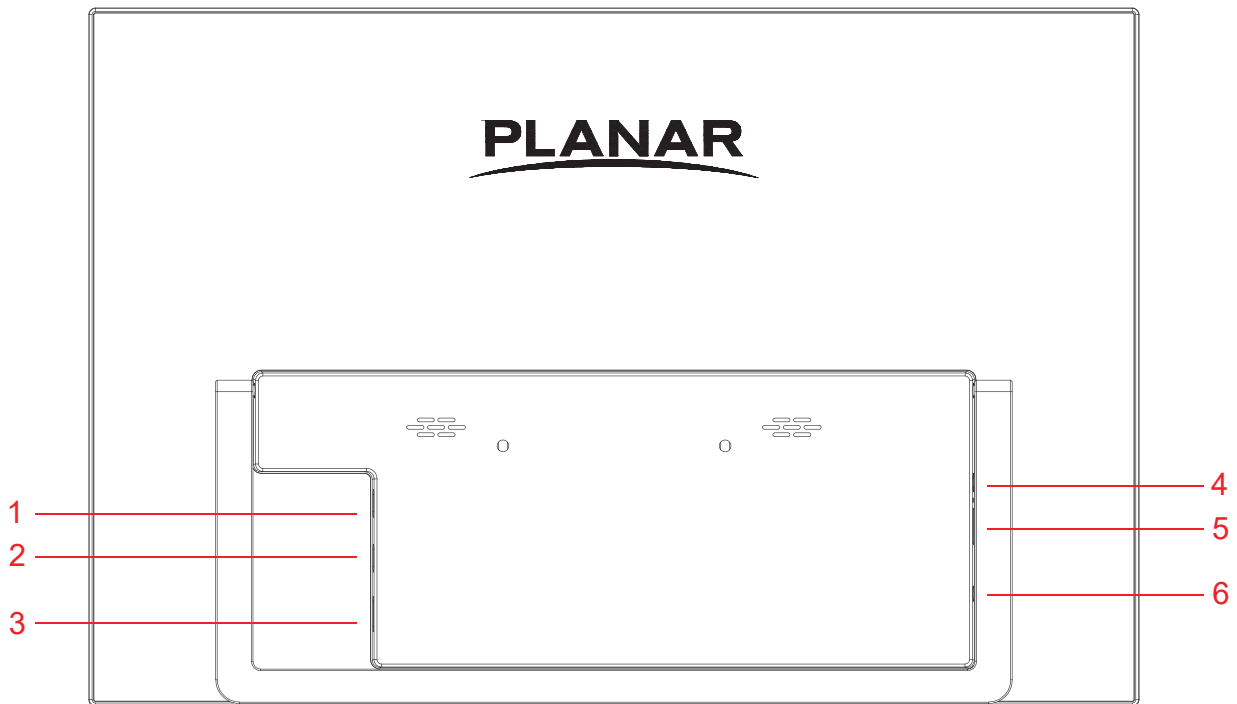
The front panel is susceptible to impact and may be damaged, so please avoid holding the panel with your fingers.

Use the included carrying case when transporting your portable monitor.

The front panel should be facing the hard side of the carrying case to ensure protection.



Rear View of the Product



1	HDMI Input
2	TYPE-C 2 Input
3	TYPE-C 1 Input
4	Power/Exit Button
5	Menu/Enter/Up/Down
6	Earphone (3.5mm)

Installation

1. The built in stand must be extended out in order to access the USB-C/HDMI/earphone inputs and Power/Menu button.
2. Please ensure that the power cable and other cables are fully and securely inserted to prevent them from coming loose.
3. Be careful not to bend or pull the cables excessively and avoid placing heavy objects on them.
4. When using the HDMI port, a separate power source must be connected to one of the Type-C ports. Use the included adapter and USB-C cable.
5. Default brightness of the portable monitor is set to 30. You can adjust the brightness using the hotkey (slide up) or in the OSD brightness settings.
6. If the battery is low on the connected device, we recommend powering up the connected device (Laptop, Mobile Phone, Nintendo Switch) with their original adapters
7. See figures below on how to connect the portable monitor.
8. Recommended resolution and refresh rate is 1920 x 1200 @ 60hz

Fig 1. : Connecting to a Laptop (USB-C to USB-C) :

Check if your laptop supports DP Alt Mode or Thunderbolt.

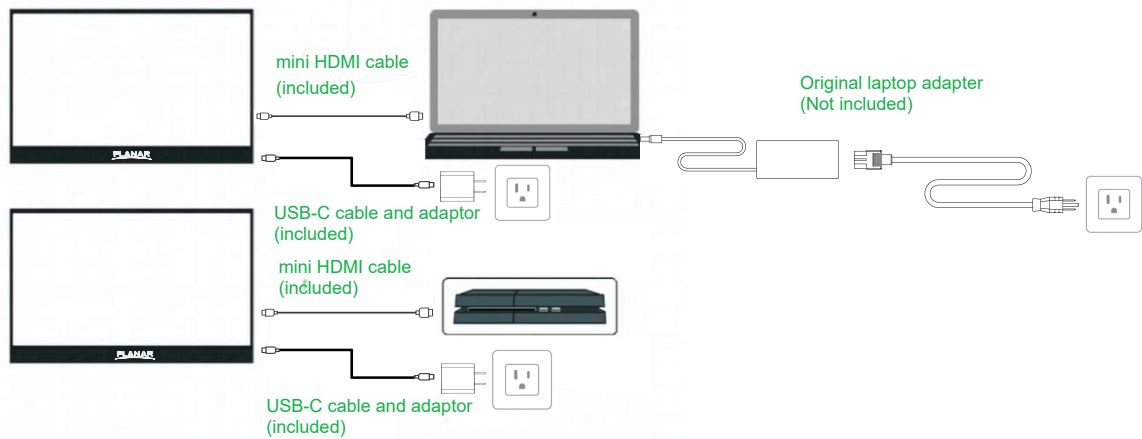


Connect the USB-C port on the side of the monitor to the USB-C port on your laptop using a USB-C cable.

When the laptop battery is low, plug in the laptop using the original adapter or a compatible one made for your laptop.

Note: The adapter included with the Portable Monitor does not provide enough power to charge your laptop.

Fig 2. : Connecting to a PC, PS4/5, Xbox, or older laptops (mini HDMI to HDMI):

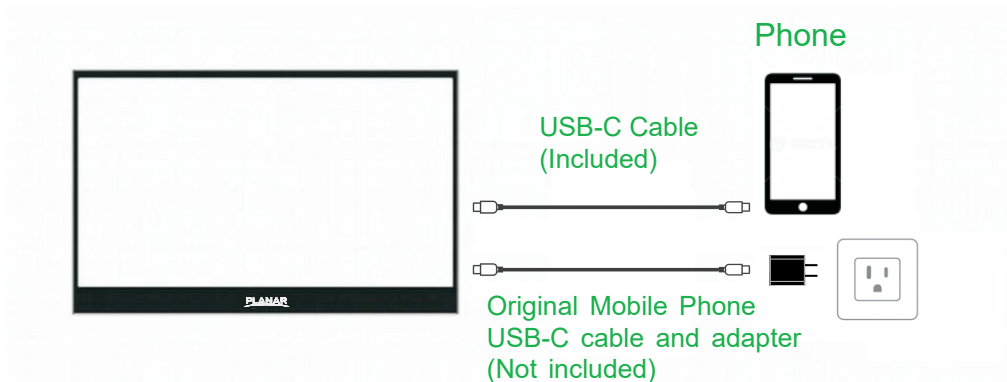


Connect the mini HDMI port on the side of the monitor to the HDMI port of the device using an HDMI cable.

Additionally, connect the USB-C cable to the adaptor and to the USB-C port on the side of the monitor.

Fig 3. : Connecting to Mobile Phone (USB-C to USB-C)

Before proceeding, check that your mobile phone supports USB-C port enabled by DisplayPort Alt Mode (DP Alt Mode).

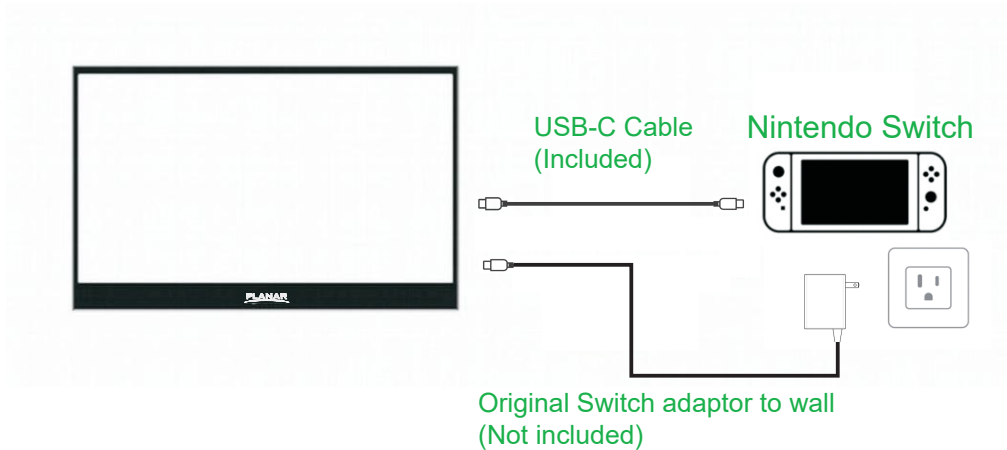


Connect the USB-C port on the side of the monitor to the USB-C port on your mobile device using a USB-C cable.

If the battery is low, connect the mobile phone adapter to the USB-C port on the side of the monitor.

Note: The adapter included with the Portable Monitor does not provide enough power to charge your mobile phone.

Fig 4. : Connecting to a Nintendo Switch: (USB-C to USB-C)



Connect the USB-C port on the side of the monitor to the USB-C port on your Nintendo Switch using a USB-C cable.

If the battery is low, connect the original adapter of your Nintendo Switch to the USB-C port on the side of the monitor.

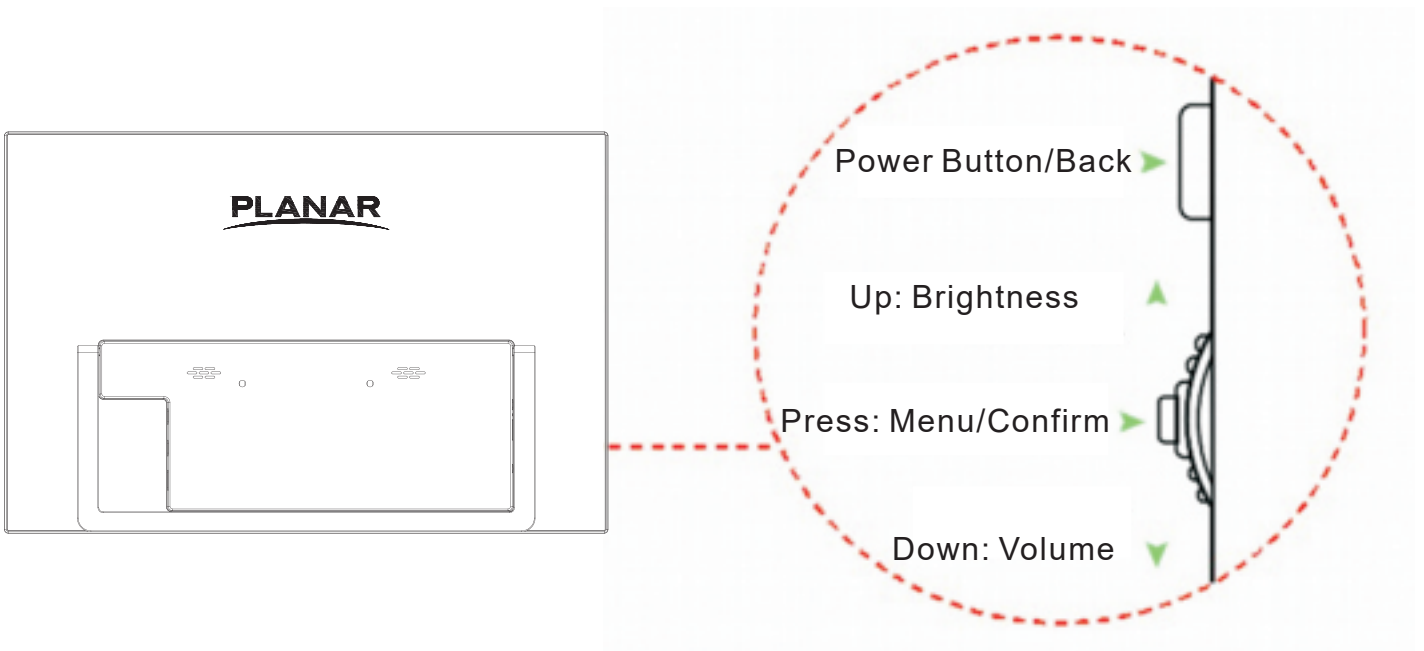
Note: The adapter included with the Portable Monitor does not provide enough power to charge your Nintendo Switch.

Basic Operation

Power and OSD Button

Power Button	Press briefly	Power ON
	When on, press briefly	Toggle between inputs
	Press and hold for 3 seconds	Power OFF
	In the menu, press briefly	Back

OSD Button	Up	Brightness
	Press	Menu/Confirm
	Down	Volume

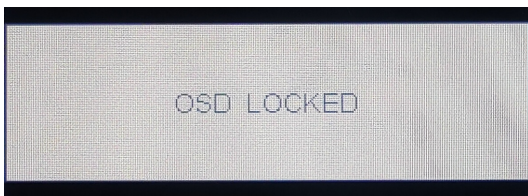


OSD lock out Function

When portable monitor is on and the OSD menu is not activated, the "Lock Out" function can be enabled.

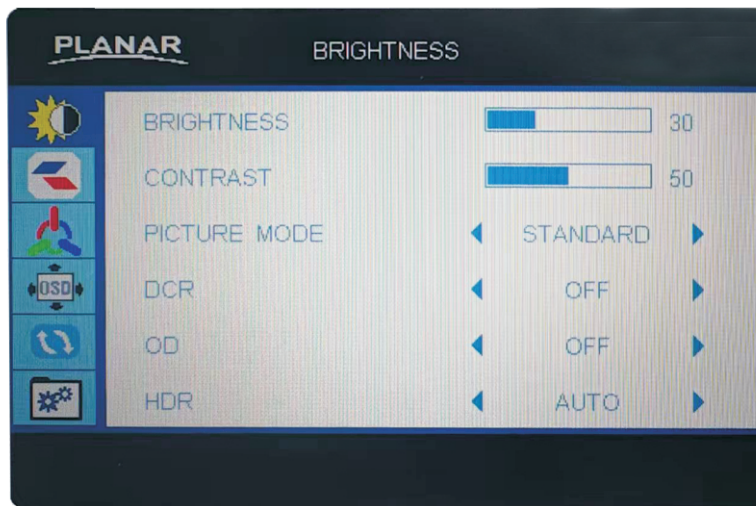
OSD lock-the multi-function key is locked except the "POWER" button. Press and hold the button for 3 seconds to lock the OSD buttons.

The portable monitor will show an "OSD LOCKED" message for 5 seconds and the message will disappear automatically.



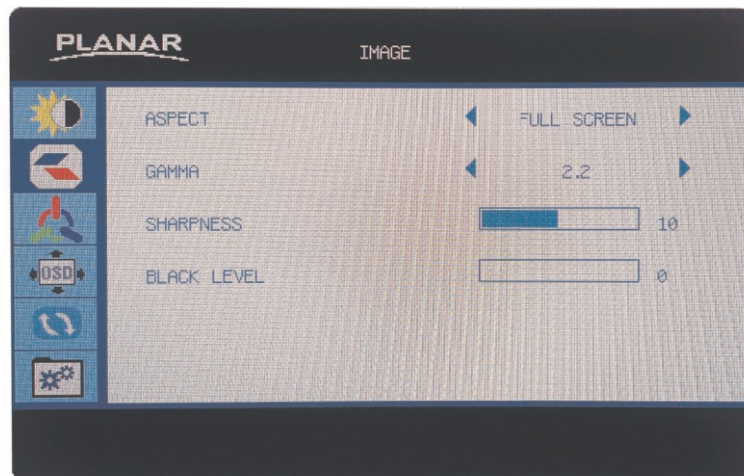
Repeat this step to unlock.

OSD Menu



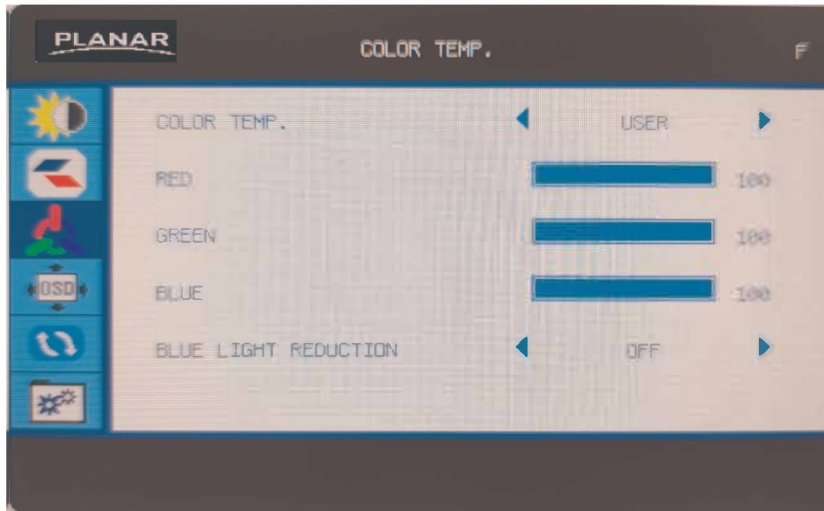
BRIGHTNESS

- **BRIGHTNESS:**
Adjust between 0 - 100 .
- **CONTRAST:**
Adjust between 0 - 100 .
- **PICTURE MODE :**
STANDARD, TEXT, GAME, MOVIE
- **DCR:**
ON/OFF
- **OD:**
ON/OFF
- **HDR:**
AUTO OFF



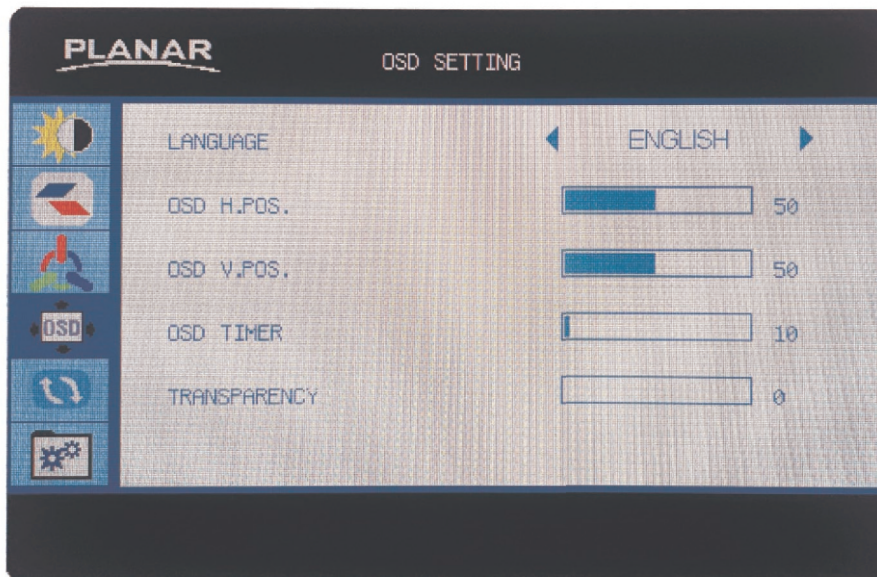
IMAGE

- **ASPECT :**
FULL SCREEN , 16:10, 16:9, 4:3, 5:4
- **GAMMA :**
1.8, 2.0, 2.2, 2.4
- **SHARPNESS:**
0-20
- **BLACK LEVEL:**
0-20



COLOR TEMP

- **COLOR TEMP :**
User, 5400K, 6500K, 9300K
Under USER, the following colors can be adjusted
- **R : Red**
1-100
- **G : Green**
1-100
- **B : Blue**
1-100
- **BLUE LIGHT REDUCTION:**
OFF
LEVEL1 (15% reduction) - VIDEO - Ideal for watching videos
LEVEL2 (30% reduction) - WEB BROWSING - Ideal for web browsing
LEVEL3 (50% reduction) - READING - Ideal for reading
LEVEL4 (70% reduction) - LOW LIGHT - Ideal for low ambient lighting environments.



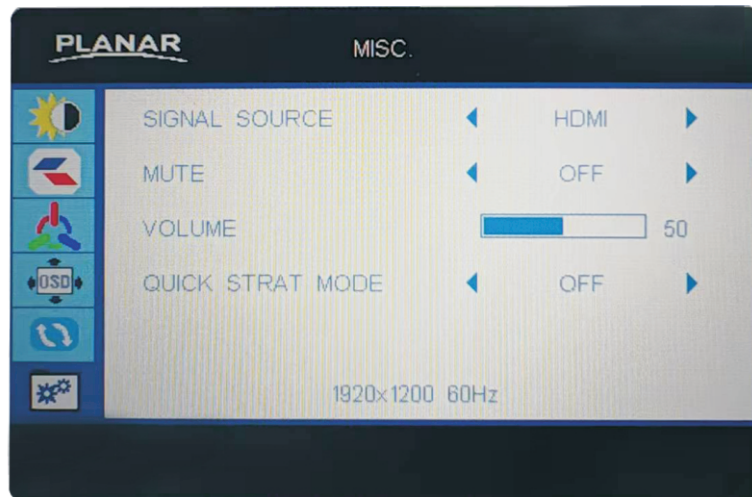
OSD SETTING

- **LANGUAGE :**
English, French, German, Italian, Spanish, Finnish, Japanese, Simplified Chinese, Traditional Chinese , Korean
- **OSD H. POS :**
0~100
- **OSD V. POS :**
0~100
- **OSD TIMER :**
10~120
- **TRANSPARENCY:**
0~10



RESET

- **RESET** : Reset to factory default



MISC

- **SIGNAL SOURCE :**
HDMI, TYPE-C1,TYPE-C2
- **MUTE:**
OFF , ON
- **VOLUME :**
0-100
- **QUICK START MODE:**
OFF,ON

Supporting Timing Modes

STANDARD	RESOLUTION
VGA	640 x 480 @ 60Hz
VESA	800 x 600 @ 56Hz
VESA	800 x 600 @ 60Hz
VESA	1024 x 768 @ 60Hz
VESA	1280 x 1024 @ 60Hz
VESA	1440 x 900 @ 60Hz
CVT	1400 x 1050 @ 60Hz
VESA	1600 x 900 @60Hz
VESA	1600 x 1200 @ 60Hz
VESA	1680 x 1050 @ 60Hz
VESA	1920 x 1080 @ 60Hz
VESA	1920 x 1200 @ 60Hz

Note:

HDMI supports 480i, 480p, 576i, 576p, 720p, 1080i, and 1080p.

Warning 1.: The equipment is only suitable for mounting at heights ≤ 2 m.

Attention 1.: L'équipement est seulement adapté pour le montage à des hauteurs ≤ 2 m

Technical Information

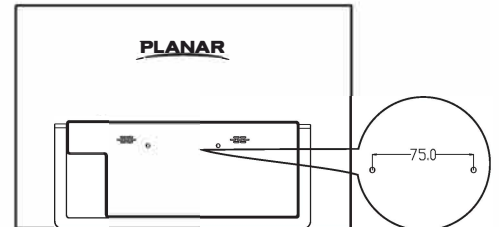
Panel	16" TFT (with LED backlight)
Power Management	Normal On: 6 Watts (typical), 9 Watts (maximum) Standby Mode: < 0.5 Off: < 0.3 Watt
Displayable Resolution	FHD+ 1920x1200 max
Pixel Dimension	0.17952(H)x0.17952(V)mm
Display Color	16.7M
Active Display Area	344.6784(H)x215.424(V)mm
Temperature	Operating: 5° ~ +35° Storage: 0° ~ +40°
Compliance	FCC-B, CE, cTUVus
Tilt	15° ~ 53°
Power	DC 5V 3A
Audio Output	0.3Wx2

Wall-Mount Installation Instructions

Attaching The Optional Wall Mount Arm (not supplied)

Follow these steps to finish installing the wall mounting arm:

1. Place the wall mounting arm onto the back of the portable monitor.
Line up the holes of the arm with the holes in the back of the monitor.
2. Insert the 2 screws into the holes and tighten.
3. Reconnect the cables. Refer to the User's Guide that came with the optional wall mounting arm for instructions on attaching it to the wall.



NOTE

75 mmx75 mm VESA high hole (n=2), M4, pitch =0.7 mm screw mounting kit not included.

Care and Maintenance

Care

- Avoid exposing your portable monitor directly to sunlight or other heat source. Place your portable monitor away from the sun to reduce glare.
- Put your portable monitor in a well ventilated area.
- Do not place any heavy things on top of your portable monitor.
- Make certain your portable monitor is installed in a clean and moisture-free area.
- Keep your portable monitor away from magnets, motors, transformers, speakers and TV sets.

Note

- Move the LED out of the package and take off the plastic bag and Polystyrene Foam.
- Pull the base from Parallel versus Panel to Vertical.
- Adjust the Panel within -5° leaning forward and 15° leaning backward.

Safety Tips

- If smoke, abnormal noise or odor came out from your portable monitor, caution you should remove the power cord immediately and call your service center.
- Si de fumée, un bruit anormal ou une odeur séchappait de votre moniteur, débranchez immédiatement le cordon d'alimentation et appelez votre centre de service.
- Never remove the rear cover of your portable monitor cabinet. The display unit inside contains high-voltage parts and may cause electric shock to human bodies.
- Never try to repair your portable monitor yourself. Always call your service center or a qualified technician to fix it.

Troubleshooting

No power

- Make sure A/C power cord is securely connected to the power adapter and the power supply if firmly connected to the portable monitor.
- Plug another electrical device into the power outlet to verify that the outlet is supplying proper voltage.
- Make sure all signal cables are installed.

Power on but no screen image

- Make sure the video cable supplied with the portable monitor is tightly secured to the video output port on back of the computer. If not, tightly secure it.
- Adjust brightness.

Wrong or abnormal colors

- If any colors (red, green, blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the portable monitor to another computer.

Planar Support

Cables and Accessories

To find cables and accessories for your Planar monitor, touch screen or other Planar products visit our online store at www.PlanarOnline.com.

Technical Support

Visit Planar at <http://www.planar.com/support> for operations manuals, touchscreen drivers, warranty information and access to Planar's Technical Library for online trouble shooting. To speak with Planar Customer Support please have your model and serial number available and dial:

Planar Support

Tel: 1-866-PLANAR1 (866-752-6271) or + 1 503-748-5799 outside the US.

Hours: 24 hours a day, 7 days a week.

Toll or long distance charges may apply.

European Product Database for Energy Labelling (EPREL)

PM16-S Registration number: 2178795

Planar Systems, Inc.

Customer Service

24x7 Online Technical Support: <http://www.planar.com/support>

6799 NE Bennett Street, Hillsboro OR 97124

Tel: 1-866-PLANAR1(866-752-6271), or +1 503-748-5799 outside the United States,

Hours: 24 hours a day, 7 days a week

© **12/2024 Planar Systems, Inc.**

Planar is a registered trademark of Planar Systems, Inc. Other brands and names are the property of their respective owners. Technical information in this document is subject to change without notice.