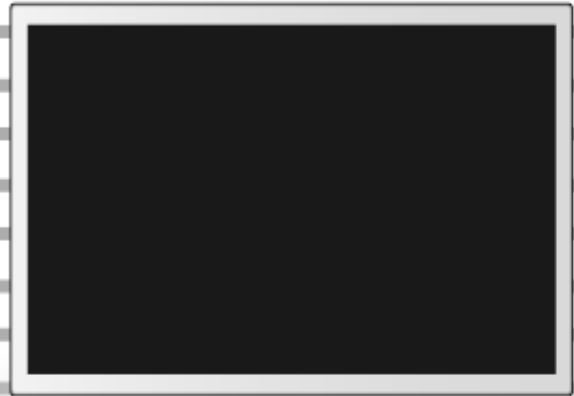


LCD MONITOR
User's Guide



FS-A4206F/FS-A4206C

INFORMATION TO USE :

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC rules.

These limits are designed to provide reasonable protection against interference. This monitor can radiate radio frequency energy and, if not installed and used in accordance with the instructions, it may interfere with other radio communications equipment. There is no guarantee that interference will not occur in a particular installation. If this equipment is found to cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by carrying out one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the distance between the color monitor and the subject of interference.
3. Plug the monitor into a outlet on a different electrical circuit than that to which the subject of interference is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Modifications not expressly approved by the manufacturer responsible for compliance could void the warranty of the product. Attempts by the user to disassemble or modify the monitor will void the warranty.

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The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to people.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions.

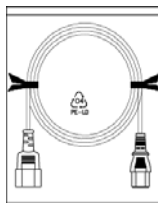
Parts



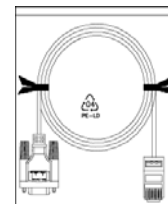
42" LCD Monitor



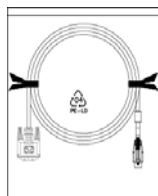
USER MANUAL



AC power extension
Cable(Optional)

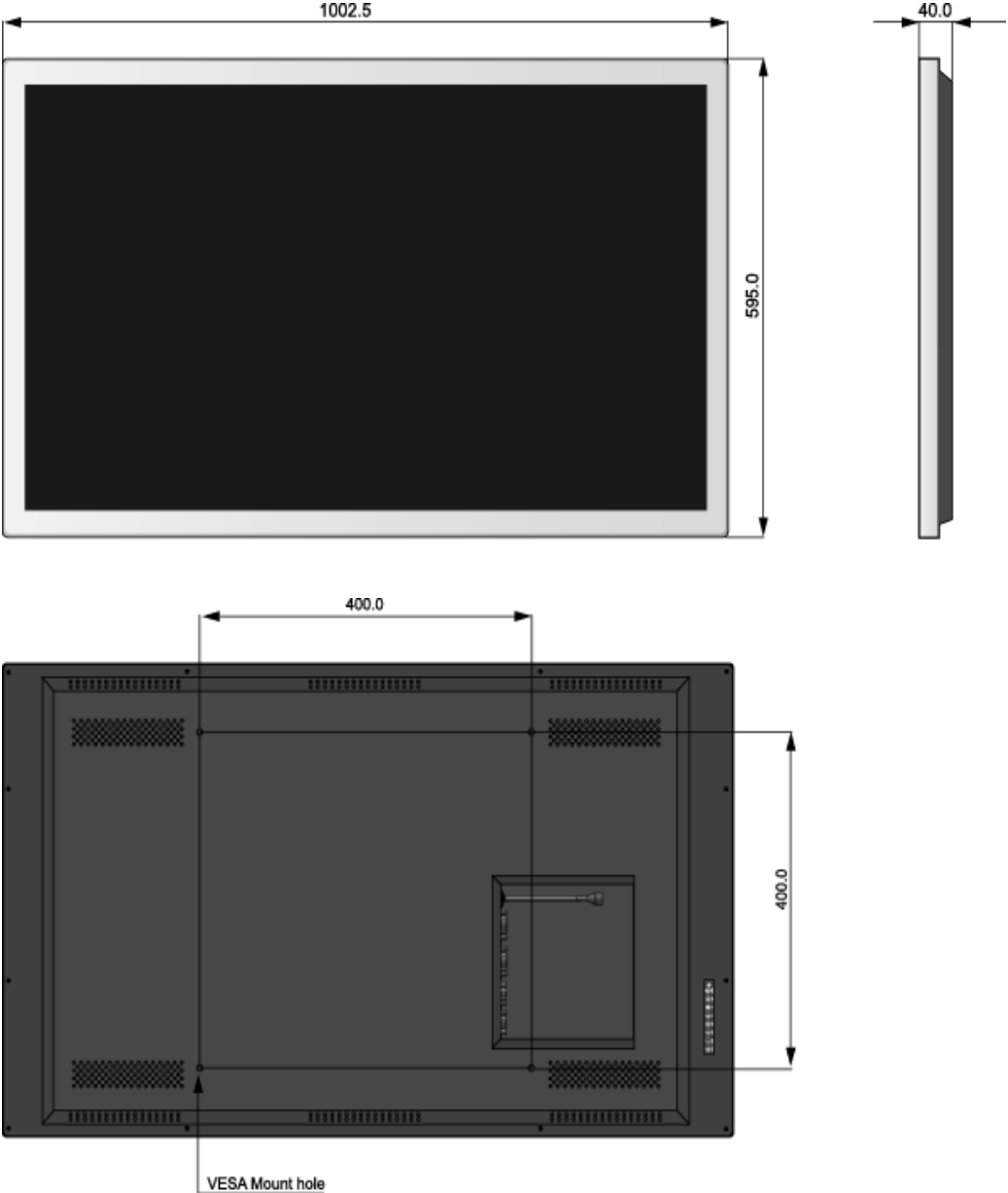


Serial Cable
(Option)



DVI-HDMI Cable
(Option)

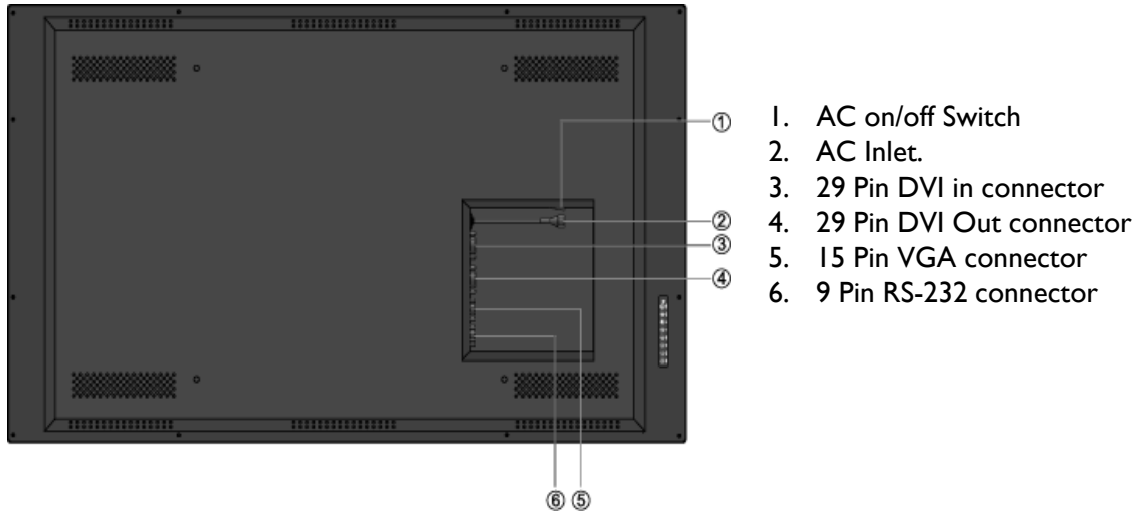
Product drawing



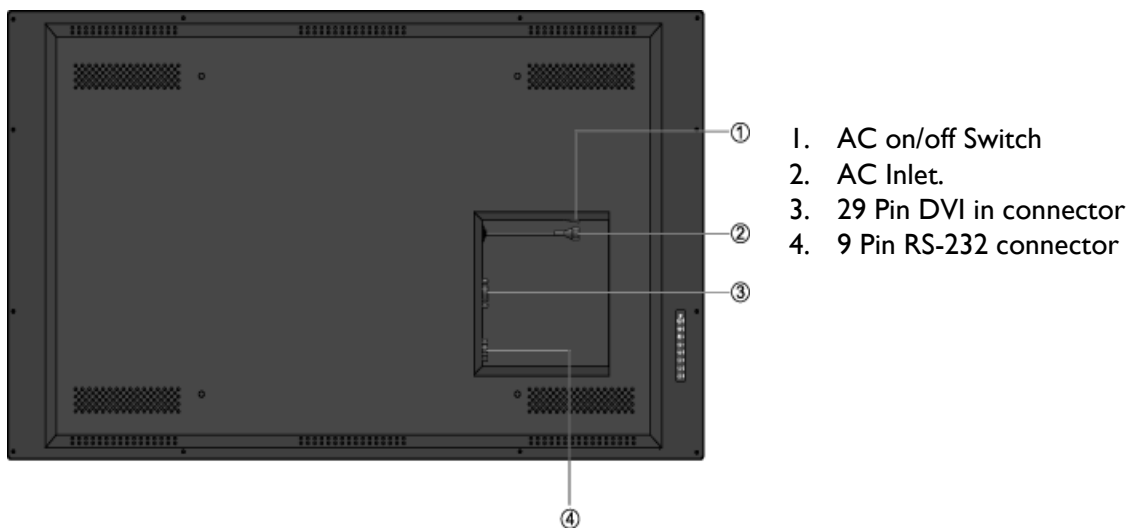
Unit : mm

Monitor Connection

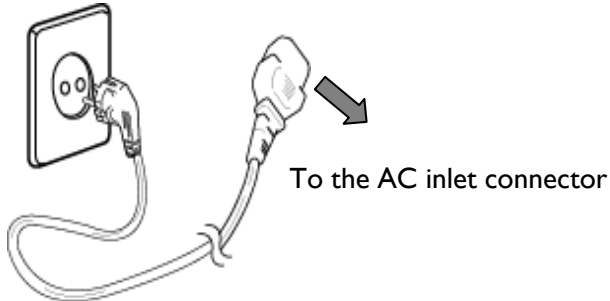
● FS-A4206C



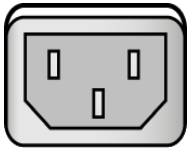
● FS-A4206F



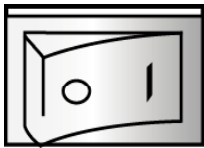
Power source connection



● AC Input



● AC on/off switch



Signal cable connection

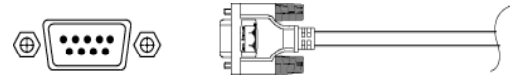
● DVI In,Out put



● VGA Analog

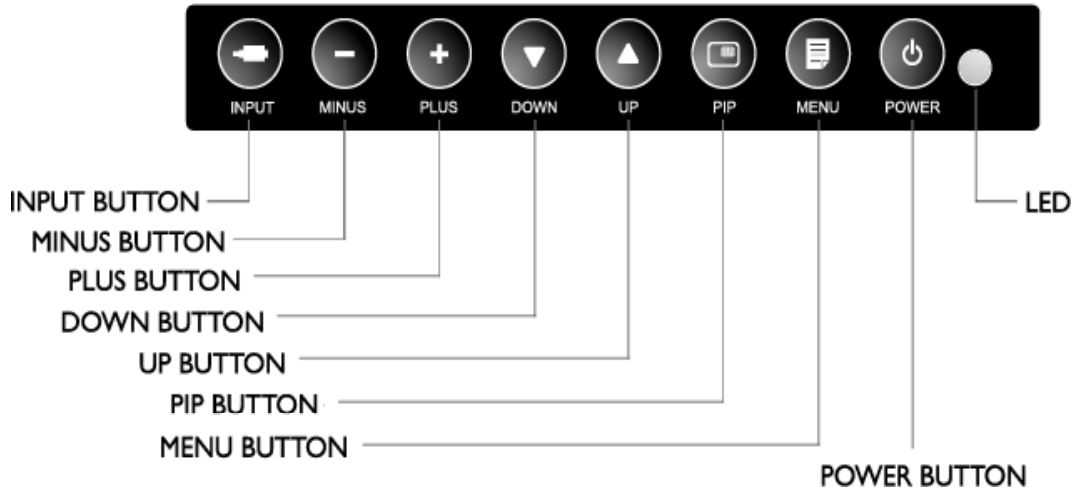


● RS-232



1. Use 220V or 110V.
2. Connect the DVI Cable to the monitor.
3. Power on the monitor.
4. Done.

Function key



An 8 button keypad, located in rear side of the display, allows the user to make adjustments to various display parameters using the On Screen Display(OSD) system.

- Indicate the power status and input signal status
 - Normal mode : Always green
 - Standby mode : Blinking green(ex, No signal)
 - Sleep mode : Always red

Note 1 : LED normal and off mode sign can be changed according to the requirement of the customer whether normal mode green is on or off

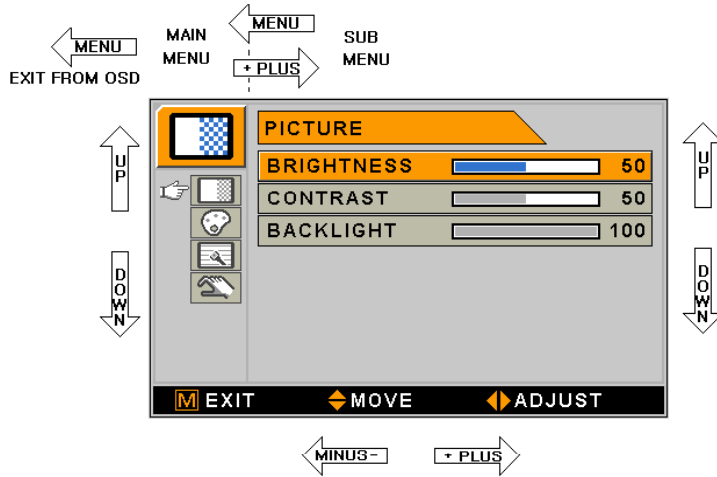
Note 2 : The main AC power switch, on the back panel, should be in the ON position.
The DC power button is used to turn on the monitor

- On-Screen Display (OSD) Function Button

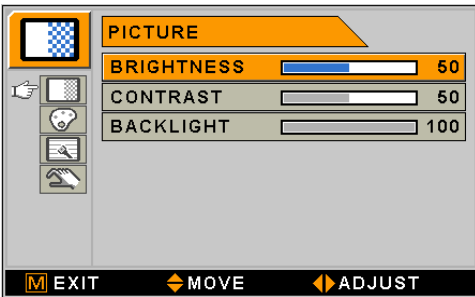
1. POWER : Monitor power on and off
2. MENU : With OSD deactivated, Activated OSD menu.
With OSD activated, Exit from main menu or sub menu.
3. UP (▲) : With OSD deactivated, Hot key of the brightness control and increases the brightness.
With OSD activated, move the cursor upward.
4. DOWN (▼) : With OSD deactivated, Hot key of the brightness control and decreases the brightness.
With OSD activated, move the cursor downward.

5. PLUS(+) : With OSD deactivated, Hot key of the contrast control and increases the contrast.
With OSD activated, enter sub menu and increases the adjustment of the selected.
6. MINUS(-) : With OSD deactivated, Hot key of the contrast control and decreases the contrast.
With OSD activated, decreases the adjustment of the selected function.
- 7.INPUT : With OSD deactivated, you can see the kind of displayed source on lower right of the screen.
8. PIP : Picture in picture function will be activated and change the picture layout.
(This function is provided for FS-A4206C Model only)

OSD adjust



PICTURE



BRIGHTNESS

Increase or decrease the brightness. (Range : 0 ~ 100)

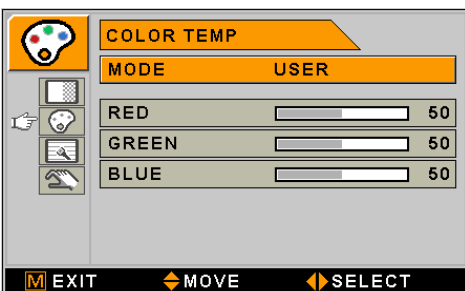
CONTRAST

Increase or decrease the contrast. (Range : 0 ~ 100)

BACKLIGHT

Increase or decrease the backlight. (Range : 0 ~ 100)

COLOR TEMP



MODE

Change the color temperature mode : 6500K, 7200K, 9300K, USER

When USER is selected, a sub-menu displays allowing the user to adjust the RED, GREEN or BLUE balance

RED

Red balance – Only works on the USER mode. (Range : 0 ~ 100)

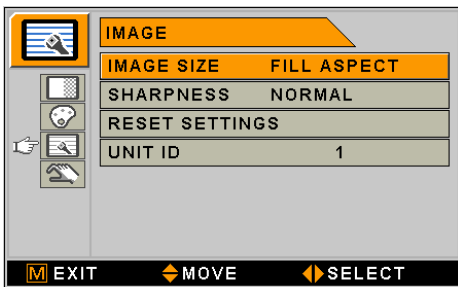
GREEN

Green balance – Only works on the USER mode. (Range : 0 ~ 100)

BLUE

Blue balance – Only works on the USER mode. (Range : 0 ~ 100)

IMAGE



IMAGE

Change the image size : FILL ASPECT, FILL ALL, ONE TO ONE

SHARPNESS

Set the sharpness of the image.
(SOFTTEST, SOFT, NORMAL, SHARP, SHARPEST)

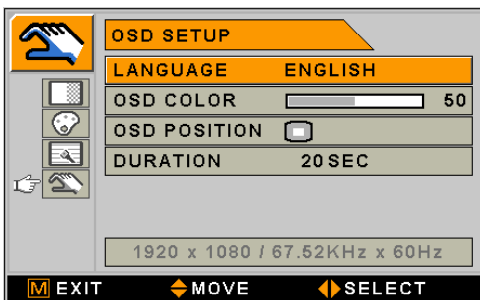
RESET SETTINGS

Restore all the OSD values to factory out-going status

UNIT ID

Change the unit identification. (Range : 1 ~ 9)

OSD SETUP



LANGUAGE

Change the OSD Language. (8 languages – English, German, French, Spanish, Italian, Chinese, Japanese, Korean)

OSD COLOR

Adjust transparency of OSD background. (Range : 0 ~ 100)

OSD POSITION

Change the OSD position.

DURATION

Adjust OSD display time.(5, 10, 20, 30, 60, 90, 120, 180, 240 seconds)

Standard signal table

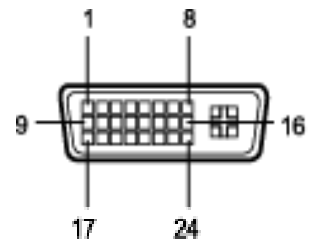
PC Supported mode

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)	Clock Frequency(MHz)
640x480@60Hz	31.469	59.940	25.175
800x600@50Hz	31.500	50.000	35.4375
800x600@50Hz	37.879	60.317	40.000
800x600@75Hz	46.875	75.000	49.500
1024x768@60Hz	48.363	60.004	65.000
1280x720@50Hz	37.500	50.000	74.250
1280x720@60Hz	45.000	60.000	74.250
1280x720@100Hz	75.000	100.000	148.500
1280x720@120Hz	90.000	120.000	148.500
1280x1024@60Hz	63.981	60.020	148.500
1280x768@60Hz	47.776	59.870	79.500
1360x768@60Hz	47.712	60.015	85.500
1366x768@60Hz	48.320	59.803	87.750
1400x1050@60Hz	65.317	59.979	121.751
1680x1050@60Hz	64.674	59.883	119.000
1600x1200@60Hz	75.000	60.000	162.000
1920x1080@24Hz	27.000	24.000	74.250
1920x1080@25Hz	28.125	25.000	74.250
1920x1080@30Hz	33.750	30.000	74.250
1920x1080@50Hz	56.250	50.000	148.500
1920x1080@60Hz	67.500	60.000	148.500
1920x1200@60Hz	74.038	59.950	154.000

Signal Connector pin assignments

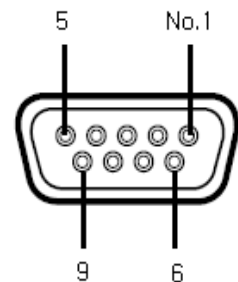
DVI In,Out (DVI-I 29Pin)

Pin No.	Assignment	Pin No.	Assignment
1	TMDS Data2+	13	No Connection
2	TMDS Data2+	14	+5V Power
3	TMDS Data2 Shield	15	Cable connection check
4	No Connection	16	Hot Plug Detect
5	No Connection	17	TMDS Data0-
6	DDC Clock	18	TMDS Data0+
7	DDC Data	19	TMDS Data0 Shield
8	No Connection	20	No Connection
9	TMDS Data1-	21	No Connection
10	TMDS Data1+	22	TMDS Clock Shield
11	TMDS Data1 Shield	23	TMDS Clock+
12	No Connection	24	TMDS Clock-



RS-232 (D-SUB 9Pin,female)

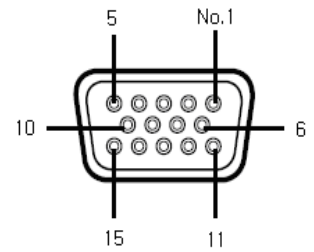
Pin No.	Assignment	Pin No.	Assignment
1	Test pin1 (Note)	6	No Connection
2	RS-232 RXD Input	7	Test pin2 (Note)
3	RS-232 TXD Input	8	Test pin3 (Note)
4	No Connection	9	No Connection
5	Ground		



Note : Please keep these pins to no connection.

VGA (D-SUB 15Pin)

Pin No.	Assignment	Pin No.	Assignment
1	Red	9	No Connection
2	Green	10	Ground-Sync
3	Blue	11	Ground
4	Ground	12	DDC Data
5	DDC 5V Standby Cable Connection check	13	H.Sync
6	Ground-Red	14	V.Sync
7	Ground-Green	15	DDC Clock
8	Ground-Blue		



Specification

Model	FS-A4206F	
LCD PANEL	Type	A-si TFT Active matrix
	Display area	930.4(H) mm X 523.26(V) mm
	Maximum Resolution	1920X1080@120Hz
	Pixel pitch	0.4845(H)mm X 0.4845(V)mm
	Display colors	1073.7M (RGB 10-bit data)
	Contrast Ratio(Typ.)	4000:1
	Viewing Angle(Typ.)	89/89/89/89
	Response Time(Typ.)	5ms
	Luminance(Typ.)	500cd/m2
Synchronization	Horizontal Frequency	135.6 KHz
	Vertical Frequency	120 Hz
Power Consumption	Maximum	120W
	Standby Mode	Under 0.5W
Power	AC 100-240V~50-60Hz 1.2A Max	
Approval Marks	Approval Mark	UL, FCC, Mx CoC, AR-S, CE, Gost-R, SASO, CCC, South Africa, KC BSMI, Singapore safety, C-Tick, CB
Energy	Efficiency	China energy label, E-Standby
Dimension	Size and weight	1002.5X40X595 /17Kg(21Kg)

Model	FS-A4206C	
LCD PANEL	Type	A-si TFT Active matrix
	Display area	930.4(H) mm X 523.26(V) mm
	Maximum Resolution	1920X1080@120Hz
	Pixel pitch	0.4845(H)mm X 0.4845(V)mm
	Display colors	1073.7M (RGB 10-bit data)
	Contrast Ratio(Typ.)	4000:1
	Viewing Angle(Typ.)	89/89/89/89
	Response Time(Typ.)	5ms
	Luminance(Typ.)	500cd/m2
Synchronization	Horizontal Frequency	135.6 KHz
	Vertical Frequency	120 Hz
Power Consumption	Maximum	120W
	Standby Mode	Under 0.5W
Power	AC 100-240V~50-60Hz 1.2A Max	
Approval Marks	Approval Mark	UL, FCC, CB
Dimension	Size and weight	1002.5X40X595 /17Kg(21Kg)

Safety instructions

Operator Safety Instructions

For your safety, please read these safety instructions completely before you connect the equipment to the power source.

The information in this summary is intended for operators.

Carefully observe all warnings, precautions and instructions both on the apparatus and in these operating instructions.

Retain this manual for future reference.

Water and Moisture

Do not operate the apparatus under or near water - for example near a bathtub, kitchen sink, or laundry tub, in a wet basement, near a swimming pool or in other areas with high humidity.

Never install jacks for communication cables in wet locations unless the jack is specifically designed for wet locations.

Do not touch the product with wet hands.

Cleaning

Unplug the apparatus from communication lines, mains power-outlet or any power source before cleaning or polishing.

Do not use liquid cleaners or aerosol cleaners.

Use a lint-free cloth lightly moistened with water for cleaning the exterior of the apparatus.

Ventilation

Do not block any of the ventilation openings of the apparatus. Never cover the slots and openings with a cloth or other material. Never install the apparatus near heat sources such as radiators, heat registers, stoves, or other apparatus

(including amplifiers) that produce heat.

Do not place the product in direct sunlight or close to a surface directly heated by the sun.

Lightning

Never use this apparatus, or connect/disconnect communication cables or power cables during lightning storms.

Dust

Do not operate the apparatus in areas with high concentration of dust

Vibration

Do not operate the apparatus in areas with vibration or place it on an unstable surface.

Power Connection and Hazardous Voltage

The product may have hazardous voltage inside. Never attempt to open this product, or any peripherals connected to the product, where this action requires a tool.

This product should always be powered from an earthed power outlet.

Never connect attached power supply cord to other products.

In case any parts of the product has visual damage never attempt to connect mains power, or any other power source, before consulting service personnel

The plug connecting the power cord to the product serves as the main disconnect device for this equipment. The power cord must always be easily accessible.

Route the power cord so as to avoid it being walked on or pinched by items placed upon or against it. Pay particular attention to the plugs, receptacles and the point where the cord exits from the apparatus.

Do not tug the power cord.

If the provided plug does not fit into your outlet, consult an electrician.

Never install cables, or any peripherals, without first unplugging the device from it's power source.

Servicing

Do not attempt to service the apparatus yourself as opening or removing covers may expose you to dangerous voltages or other hazards, and will void the warranty. Refer all servicing to qualified service personnel.

Unplug the apparatus from its power source and refer servicing to qualified personnel under the following conditions:

If the power cord or plug is damaged or frayed.

If liquid has been spilled into the apparatus.

If objects have fallen into the apparatus.

If the apparatus has been exposed to rain or moisture

If the apparatus has been subjected to excessive shock by being dropped.

If the cabinet has been damaged.

If the apparatus seems to be overheated.

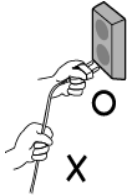
If the apparatus emits smoke or abnormal odor.

If the apparatus fails to operate in accordance with the operating instructions

Accessories

Use only accessories specified by the manufacturer, or sold with the apparatus.

Warning



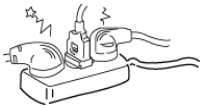
When connecting to/disconnecting from a power outlet, push/pull on the plug itself.
Never pull the cord, in order to prevent fire caused by a short.



In order to prevent electric shock, do not connect/disconnect the plug with wet or moist hands.



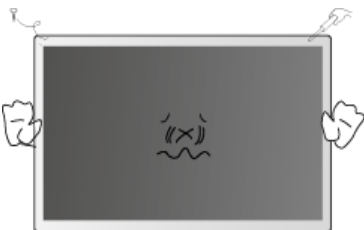
If you see smoke or smell something burning, stop using the unit, switch off the power, pull out the plug, and then contact your local service station.



To prevent fire, do not connect a large number of equipments in a single line.



To prevent fire and electric shock, pull out the plug in case of thunder and lightning.



To prevent fire and electric shock, do not try to take the monitor apart or repair it yourself. Contact your local service station or customer service center for inspection, modification or repair.

