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User Manual 19" Wide LCD

ID-19AW Front aluminum LCD panel

ID-19AWN Front NEMA4 / IP 65 LCD panel

ID-19DW Stylish front aluminum cover LCD panel

ID-19PW Open frame LCD panel

Options : - AV / BNC
  - DVI
  - TV tuner
  - Audio input
  - Remote controller

Contents

1.1   Important Safeguards   Chapter 1

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

■ Any product, on which the serial number has been defaced, modified or removed.

■ Damage, deterioration or malfunction resulting from:

  ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.

  ☐ Repair or attempted repair by anyone not authorized by us.

  ☐ Any damage of the product due to shipment.

  ☐ Removal or installation of the product.

  ☐ Causes external to the product, such as electric power fluctuation or failure.

  ☐ Use of supplies or parts not meeting our specifications.

  ☐ Normal wear and tear.

  ☐ Any other causes which does not relate to a product defect.

■ Removal, installation, and set-up service charges.

1.2 Before Installation

■ It is very important to locate the LCD Display in a suitable environment.

■ The surface for placing and fixing the LCD Display should be stable.

■ Make sure the place has good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

■ Convenience for connecting the LCD Display to the related facilities should be well considers too.

1.3 Unpacking

The LCD Display comes with the standard parts shown on the package contents. Check and make sure they are included and in good condition. If anything is missing, or damage, contact the supplier immediately.
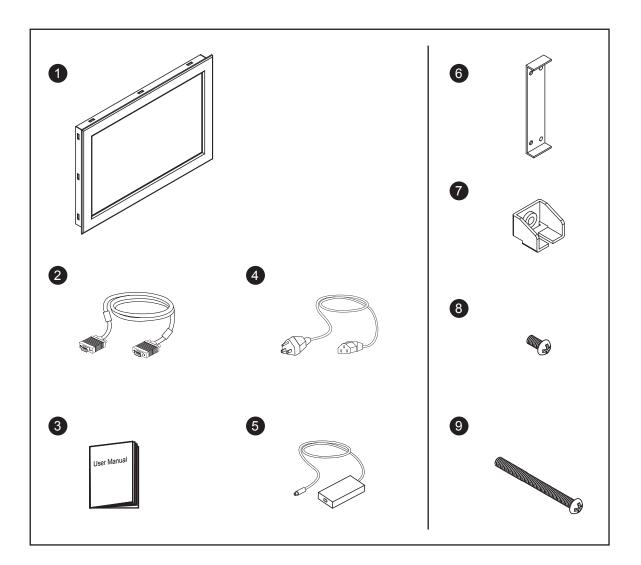
1.4 Optional Accessories

1. Power Cord
   1.1 IEC power cord
   1.2 NEMA 5-15 power cord (US)
   1.3 BS 1363 power cord (UK)
   1.4 CEE 7/4 power cord (German)
   1.5 AS 3112 power cord (Australia)

ID-19AW/19AWN/19DW/19PW

2.1 ID-19AW series Package Contents
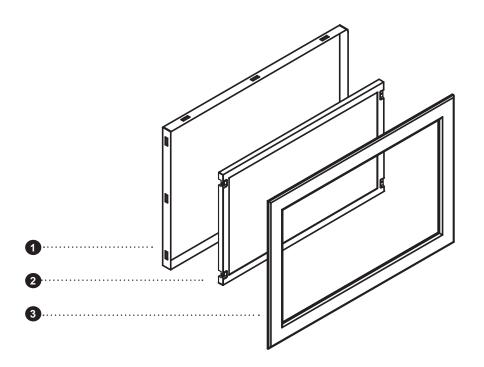

① LCD display x 1 pc

② 6' VGA cable (male to male) x 1 pc

③ User manual x 1 pc

④ Power cord x 1 pc

⑤ Auto switch power adapter x 1 pc

⑥ Mounting bracket A x 4 pcs

⑦ Mounting bracket B x 12 pcs

⑧ M4*6mm screw x 8 pcs

⑨ M4*50mm screw x 12 pcs

Remarks
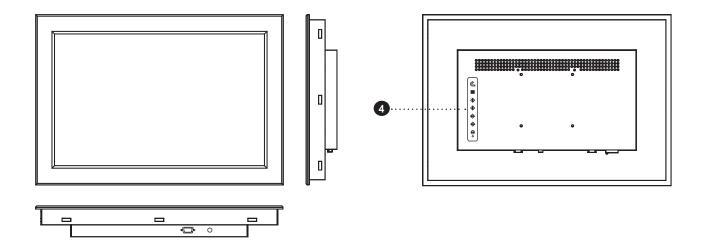
■ ID-19AW Series mounting bracket set includes item 6 - 9, please refer to p.6-7

Front View　　　　　　　　　　　　　　　　　Rear View

① Rear case　　　　　　　　　　　③ 6mm aluminum front bezel
② SAMSUNG Class A TFT LCD panel　　④ LCD membrane

UNIT : mm
1mm = 0.03937 inch

Front View

258
333
411
484
194
313
23
60
60
23
347
464

Rear View

M4*4pcs
100
100
194
313
347
464

Mounting bracket A

❶   ❷

x 4 pcs   x 8 pcs

Mounting bracket A   M4*6mm screw

Mounting bracket B

❸   ❹

x 12 pcs   x 12 pcs

Mounting bracket B   M4*50mm screw

100mm VESA standard

UNIT : mm
1mm = 0.03937 inch

M4*4pcs

100

100

Remarks

■ Hardware and M4*4 pcs for VESA mounting is not provided

■ To avoid damage of internal components, when mounting the VESA bracket, do not use screws that exceed the depth (6mm) of the display mounting holes. Using screws that are too long may cause damage to your display

1. LCD display x 1 pc

2. 6' VGA cable (male to male) x 1 pc

3. User manual x 1 pc

4. Power cord x 1 pc

5. Auto switch power adapter x 1 pc

6. Mounting bracket A x 4 pcs

7. Mounting bracket B x 12 pcs

8. M4*6mm screw x 8 pcs

9. M4*50mm screw x 12 pcs

Remarks

■ ID-19AWN Series mounting bracket set includes item 6 - 9, please refer to p.11-12

Front View   Rear View

① Rear case   ④ 6mm aluminum front bezel

② SAMSUNG Class A TFT LCD panel   ⑤ LCD membrane

③ 4mm protective glass (Front NEMA 4 / IP65 protection)

UNIT : mm
1mm = 0.03937 inch

Front View

258
333
411
484

194
313
23
60

60
23
347
464

Rear View

M4*4pcs
100
194
313
100
347
464

ID-19AW/19AWN/19DW/19PW

Mounting bracket A

❶   ❷

x 4 pcs   x 8 pcs

Mounting bracket A   M4*6mm screw

Mounting bracket B

❸   ❹

x 12 pcs   x 12 pcs

Mounting bracket B   M4*50mm screw

100mm VESA standard

UNIT : mm
1mm = 0.03937 inch

M4*4pcs

100

100

Remarks

■ Hardware and M4*4 pcs for VESA mounting is not provided

■ To avoid damage of internal components, when mounting the VESA bracket, do not use screws that exceed the depth (6mm) of the display mounting holes. Using screws that are too long may cause damage to your display
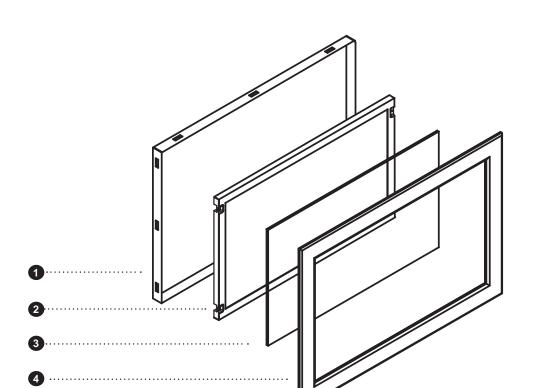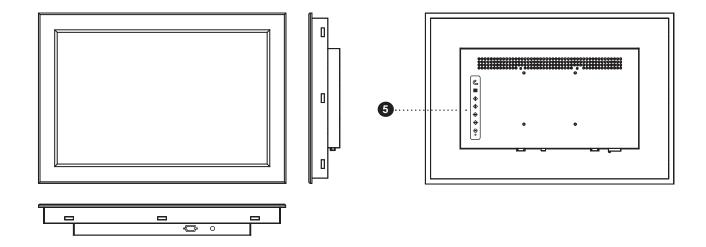
① LCD display x 1 pc

② 6' VGA cable (male to male) x 1 pc

③ User manual x 1 pc

④ Power cord x 1 pc

⑤ Auto switch power adapter x 1 pc

① ....
② ....
③ ....

Front View   Rear View

④ ....

① Rear case   ③ 1.2mm front aluminum cover
② SAMSUNG Class A TFT LCD pttanel   ④ LCD membrane

UNIT : mm
1mm = 0.03937 inch

Front View

Rear View

ID-19AW/19AWN/19DW/19PW

100mm VESA standard

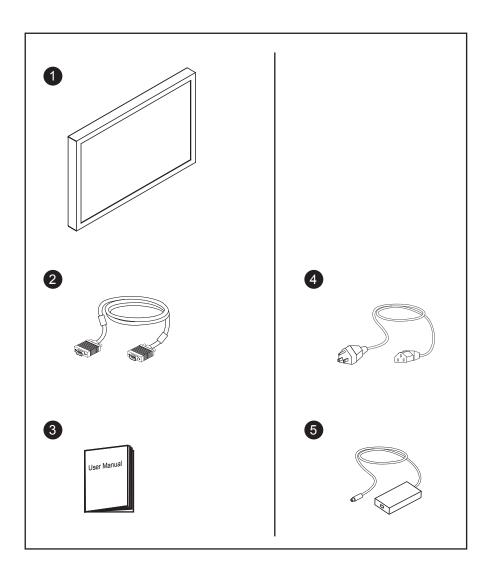UNIT : mm
1mm = 0.03937 inch

M4*4pcs

100

100

Remarks

■ Hardware and M4*4 pcs for VESA mounting is not provided

■ To avoid damage of internal components, when mounting the VESA bracket, do not use screws that exceed the depth (6mm) of the display mounting holes. Using screws that are too long may cause damage to your display
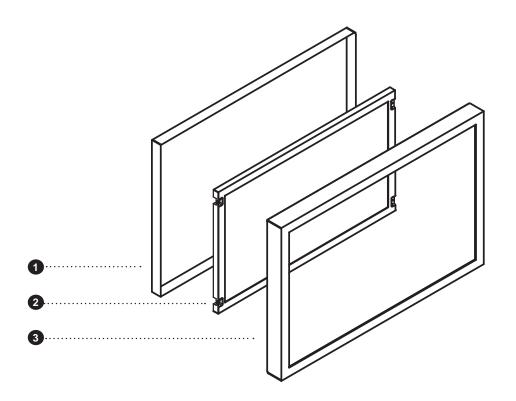
5.1   ID-19PW series Package Contents

Chapter 5
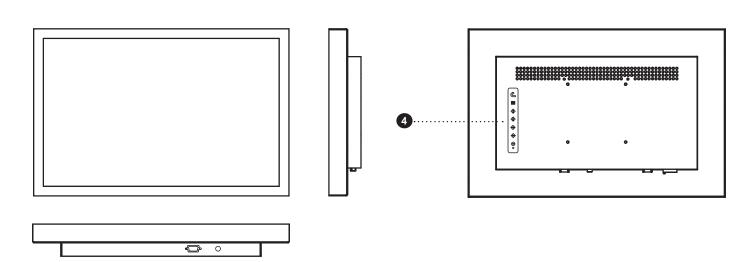

① LCD display x 1 pc

② 6' VGA cable (male to male) x 1 pc

③ User manual x 1 pc

④ Power cord x 1 pc

⑤ Auto switch power adapter x 1 pc

Front View

Rear View

① Rear case

② SAMSUNG Class A TFT LCD panel
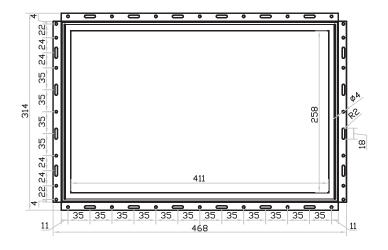
③ Universal open frame mounting

④ LCD membrane

UNIT : mm
1mm = 0.03937 inch
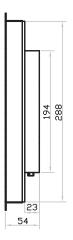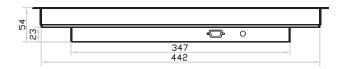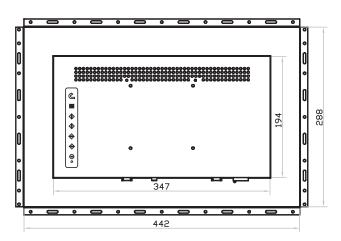
Front View

Rear View
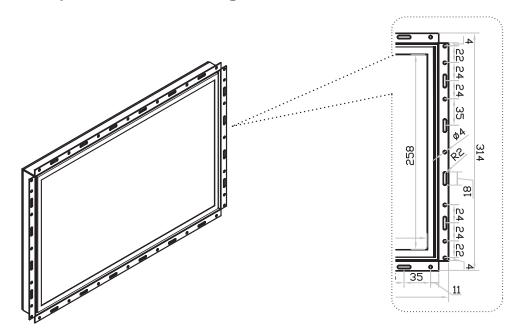
5.4 ID-19PW series Mounting method

UNIT : mm
1mm = 0.03937 inch
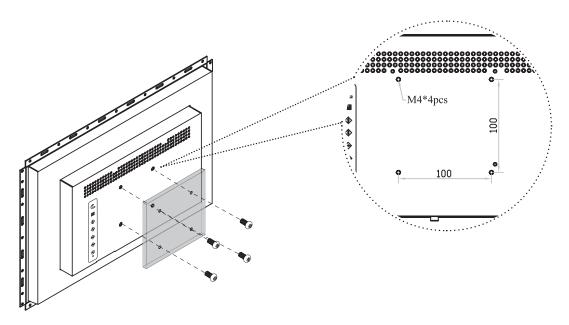
Universal open frame mounting

Remarks
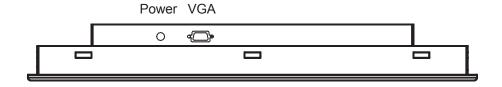
■ Hardware for fixing the LCD display is not provided

100mm VESA standard

M4*4pcs

Remarks

■ Hardware and M4*4 pcs for VESA mounting is not provided
■ To avoid damage of internal components, when mounting the VESA bracket, do not use screws that exceed the depth (6mm) of the display mounting holes. Using screws that are too long may cause damage to your display

ID-19AW/19AWN/19DW/19PW

6.1 Connection   Chapter 6

Power   VGA
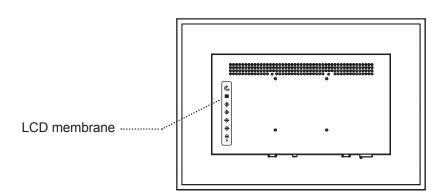
⚠️ **Caution :** The LCD Display are hot-pluggable, but components of connected devices may not be hot-pluggable. Plugging and unplugging cables while connected devices are powered on may cause irreversible damage of the devices and LCD Display. Before attempting to connect anything to the LCD Display, we suggest that turn off power to all devices before connecting them. Apply power to connected devices again only after the LCD Display receiving power.The company is not responsible for damage caused in this way.
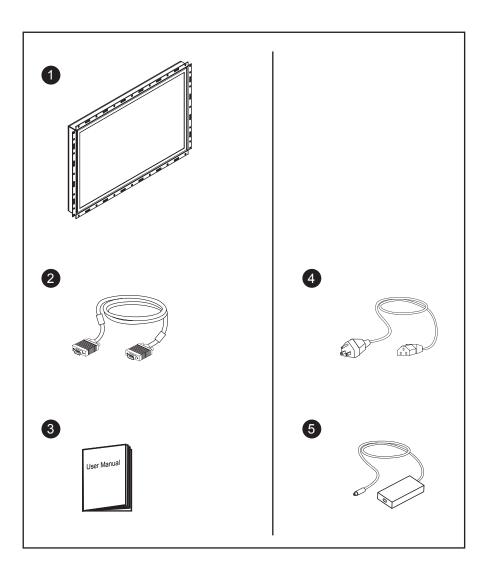
7.1 On-screen Display Operation   Chapter 7

LCD membrane ·········

Membrane Switch	Function
○ ● ●	Power light Green = On Orange = Power saving
⊖	Power on / off LCD
M ☰	Display the OSD menu
⇑ ⇓ ⇐ ⇒	Scrolls through menu options and adjusts the displayed control
⤴	Exit the OSD screen Shortcut key to auto adjustment by pressed the button for 5 seconds or Toggle analog, digital & video connection (DVI-D and video options only)

MAIN MENU

BRIGHTNESS/CONTRAST

AUTO ADJUST

PHASE/CLOCK

H/V POSITION

MISC

RESET

BRIGHTNESS / CONTRAST

Brightness: Adjust background black level of the screen image.

Contrast: Adjust the difference between the image background (black level)
                 and the foreground (white level).

AUTO ADJUST

Auto Adjust: Fine tunes the video signal to eliminate waviness and distortion. An "Adjusting" message is displayed
                 during the process.

Auto Tune: Optimize phase, clock, position and size. An "Adjusting" message is displayed during the process.

PHASE/CLOCK

Phase / Clock: To enter into the phase & clock sub menu

H/V POSITION

H/V Position: Align the screen image left or right and up or down.

MISC

Information: Display the current resolution, refresh rate and frequency information on the screen.

OSD Timer: Set the time duration in seconds that the OSD is visible after the last button is pressed.

                 The factory default is 10 seconds.

Color: Select the screen color - 5500K, 6500K & 9500K. The factory default is 9500K.

Language: Select the language in which the OSD menu is displayed -

                 English, Chinese (中文), Japanese (日本語), German, French, Spanish, Italian

RESET   Restore the settings to factory defaults.

Item	Description
LCD Manufacturer	SAMSUNG
Diagonal Size	19" TFT
Max. Resolution	1440 x 900
Brightness (cd/m²)	300
Color Support	16.7 Mil.
Contrast Ratio (typ.)	1000:1
Viewing Angle (H/V)	160˚ x 160˚
Display Area (mm)	408 x 255
Tr Response Time (ms)	1.3
LCD Panel MTBF (hrs)	50,000
Display Input Signal	Analog RGB
Connection	DB-15 connector
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz
Power Consumption	Max. 60 Watt, Standby 5 Watt
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs & DELLs.

Options

Graphic Input	DVI-D, BNC, S-Video & RCA video input

Environmental

Operation	0˚ to 50˚C Degree
Storage	-5˚ to 60˚C Degree
Relative Humidity	5~90%, non-condensing
Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random vibration

ID-19AW/19AWN/19DW/19PW

9.1 DVI-D Option

Power   VGA   DVI-D
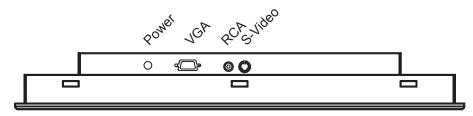
Remarks
■ Package includes with a 6' DVI-D cable
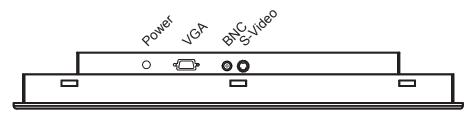
9.2 S-Video + RCA Input Option

Power VGA RCA S-Video

Remarks
■ Package includes an extra 6ft S-Video and 6ft RCA cables

9.3 S-Video + BNC Input Option

Power VGA BNC S-Video

Remarks
■ Package includes an extra 6ft S-Video cable

       ID-19AW/19AWN/19DW/19PW
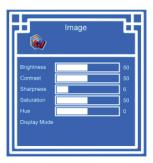
1. Image

Brightness: Adjust background black level of the screen image

Contrast: Adjust the difference between the image background
                   (black level) and the foreground (white level)

Sharpness: Adjust the image from weak to sharp

Saturation: Adjust the saturation of the image color

Hue: Adjust the screen hue value

2. Geometry

Auto Config: Adjust automatically sizes, centers, and fine tunes the video
                   signal to eliminate waviness and distortion. An "Adjusting"
                   message is displayed during the process.
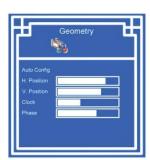
H. Position**:**   Align the screen image left or right

V. Position: Align the screen image up or down

Clock :   Adjust the clock value

Phase: Adjust the phase value

3. Function

OSD Position: Adjust OSD menu horizontal and vertical position

OSD Zoom**:**   Adjust the difference between the image background
                   (black level) and the foreground (white level).

Color Temp: Select the screen color - 5500K, 6500K & 9500K.
                   The factory default is 6500K.

4. System

Language: Select the language in which the OSD menu is displayed -
                   English, Chinese (中文), Japanese (日本語), German,
                   French, Spanish, Italian.

Time**:**   Function is not supported
Power OFF: Function is not supported

Reset: Recall returns the adjustments back to factory settings.
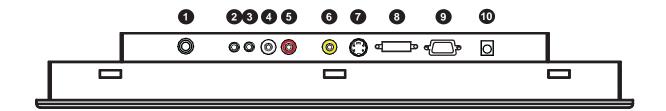
Note : The current resolution and refresh rate information show on the top right hand side of the screen when the LCD powered on.

Main menu	Sub menu	Display mode			
		VGA	**DVI**	**S-Video**	**RCA**
Image	**Brightness**	√	√	√	√
	Contrast	√	√	√	√
	Sharpness	√	√	√	√
	Saturation	X	X	√	√
	Hue	X	X	√	√
Geometry	**Auto Config**	√	N/A	N/A	N/A
	H. Position	√	N/A	N/A	N/A
	V. Position	√	N/A	N/A	N/A
	Clock	√	N/A	N/A	N/A
	Phase	√	N/A	N/A	N/A
Function	**OSD Position**	√	√	√	√
	OSD Zoom	√	√	√	√
	Color Temp	√	√	√	√
System	**Language**	√	√	√	√
	Time	√	√	√	√
	Power OFF	√	√	√	√
	Reset	√	√	√	√

Sign	Represent
√	Available and adjustable
X	Available but not adjustable
N/A	Not available and adjustable

①	TV	⑤	Audio-R	⑨	VGA
②	Audio out	⑥	Video	⑩	Power
③	Audio in	⑦	S-Video		
④	Audio-L	⑧	DVI		
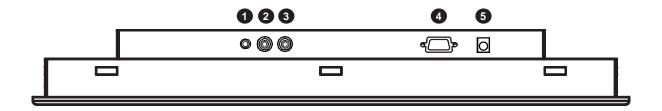
Remarks

■   Package includes a remote controller

10.2   How to Use Remote Controller
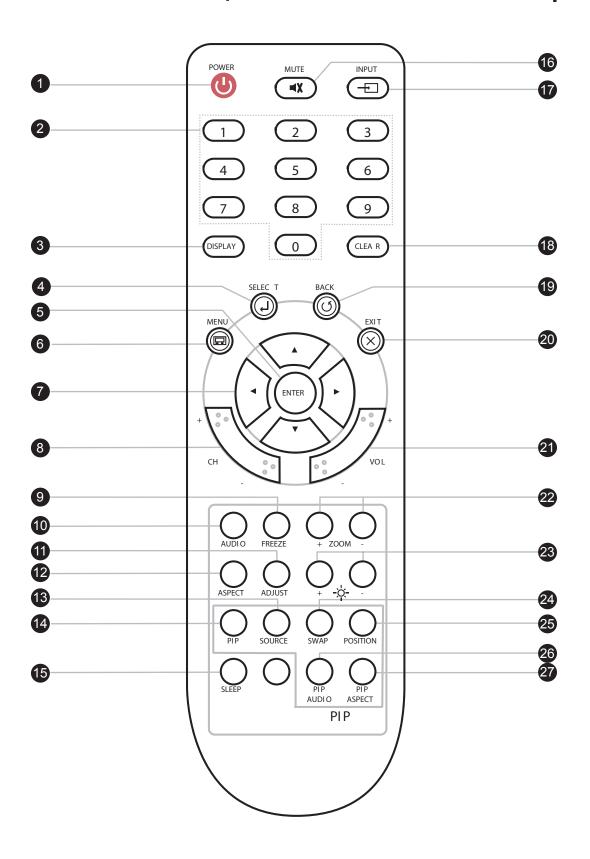
■   How to use remote controller, please refer to p.29-30

① Audio in   ④ VGA

② Audio-L   ⑤ Power

③ Audio-R

①	**POWER**	Switches on or off the TV
②	**1 - 9**	Only use in TV mode. Select channels. For channel numbers 10 and above, enter the second digit within two seconds.
③	**DISPLAY**	Press this button will show the current input source
④	**SELECT**	Select the input source
⑤	**ENTER**	Enter to the select item settings or excude the setting
⑥	**MENU**	Display the menu on the screen or go to the previous menu
⑦	**▲ / ▼ / ◄ / ►**	Go to the upper menu or select the previous value / Go to the next menu or select the next value / Decrease the setting value / Increase the setting value or enter to the select item setting
⑧	**CH + / -**	Increase or decrease the channel number
⑨	**FREEZE**	Freeze the main channel display picture
⑩	**AUDIO**	Select sound effect: NORMAL, POPULARITY, ROCK, JAZZ, CLAS-SICALLY, USER
⑪	**ADJUST**	Only used in VGA mode. Adjust the screen position
⑫	**ASPECT**	Set the main display aspect ratio mode: FULL SCREEN, PILLAR BOX
⑬	**SOURCE**	Only used in PIP mode. Select PIP input source
⑭	**PIP**	Turn on or off the PIP Channel
⑮	**SLEEP**	Select the sleeping time
⑯	**MUTE**	Turn on or off the speaker
⑰	**INPUT**	Select the Main Channel input source
⑱	**CLEAR**	Press this button will hide the current input source name on the Top-Left position
⑲	**BACK**	Return to the previous channel watched
⑳	**EXIT**	Exit the menu or cancel
㉑	**VOL + / -**	Increase or decrease the speaker volume
㉒	**ZOOM + / -**	Zoom in or out the screen
㉓	**☼ + / -**	Increase or decrease the brightness
㉔	**SWAP**	Swap the input source with Main Channel and PIP Channel
㉕	**POSITION**	Set the position of the PIP screen: BOTTOM-LEFT, BOTTOM-RIGHT, TOP-LEFT, TOP-RIGHT
㉖	**PIP AUDIO**	Alternate the main screen speaker or PIP screen speaker
㉗	**PIP ASPECT**	Set the PIP display aspect ratio mode: FULL SCREEN, PILLAR BOX

1. How do I adjust the resolution?

To change monitor resolution, click Start -> Control Panel -> Display. Select Setting tab to adjust the monitor resolution in Desktop Area. The available resolutions, "640 x 480", "800 x 600", "1024 x 768", "1152 x 864", "1280 x 1024", are determined by the display card in your computer.

2. Is interference signal appeared on LCD normal when shutting down the computer ?

In rare cases, interference may appear on the monitor. This may be caused by signal rate of VGA card and is considered normal. The image quality can be improved by adjusting the phase or pixel rate automatically or manually.

3. The membrane power light is not ON

Press the power On / Off on LCD membrane to check if the monitor is in the ON mode.
Check the power cord is properly connected to the LCD keyboard drawer and power outlet.

4. Screen image is not centered or sized properly

Press the 🔄 button for two seconds to automatically adjust the image.
Adjust the H-position and V-position settings via On-screen menu.

ID-19AW/19AWN/19DW/19PW

Model	Product Dimension (W x D x H)	Net Weight
ID-19AW series	484 x 60 x 333 mm 19.1 x 2.4 x 13.1"	5 kg 11 lb
ID-19AWN series	484 x 60 x 333 mm 19.1 x 2.4 x 13.1"	5 kg 11 lb
ID-19DW series	445 x 56 x 291 mm 17.5 x 2.2 x 11.5"	5 kg 11 lb
ID-19PW series	468 x 54 x 314 mm 10.4 x 2.1 x 12.4"	5 kg 11 lb

15.1 Cleaning the LCD display   Chapter 15

You may need the following precautions before you begin to clean the LCD display, please read and understand the details below fully.

1. Make sure the monitor is turned off

2. Never spray or pour any liquid onto the screen directly

3. To remove dust and other particles, wipe the screen with a clean, soft, lint-free cloth.

4. Be cautions of all kinds of cleaning solvents or chemicals, some individuals may be harmful to the LCD display.

5. If the LCD display is still not clean enough, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

6. Don't use water or oil on the monitor directly.