

JL1720/JL1910BM

CYFiX



Smart & Stylish

Installation and Safety Instructions

These are instructions to keep you safe and prevent the loss of your property.
Please read carefully to learn how to use the device properly.

iBRIDGE | www.cyfix.co.kr
www.ibridge.co.kr

Main Office: 15-15 Yoido-dong, 4th Fl. Ilshin Bldg., Youngdeungpo-gu, Seoul
A/S Center: 40-999 Hangang-ro 3-ga, I-Park Mall Electronics Store P-501,
Yongsan-gu, Seoul
Factory: 68 Gobong-ri, Seongsan-myun, Gunsan, Chollabuk-do

iBRIDGE

Table of Contents

FCC Compliance Statement	3
Safety Instructions	4
List of Features	5
List of Parts	6
Connections	7
Timing Guide	8
Pin Configuration	9
- VGA Connection (Cable Side)	
- DVI Connection (Cable Side)	
Functions of the Controls	10
Menu Descriptions	11
Troubleshooting	14
Specifications	15

FCC Compliance Statement

❖ NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against radio frequency interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

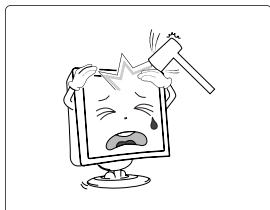
If this equipment does cause interference to radio or television reception (this can be determined by turning this equipment off and on), the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
- Connect the equipment to 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.
- Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

Safety Instructions

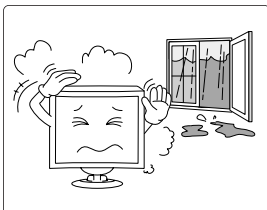
	CAUTION: RISK OF ELECTRIC SHOCK. DO NOT OPEN. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER(OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	
--	--	--

Safety Instructions



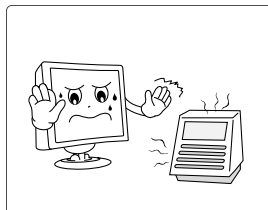
Do not apply any physical shock to the panel (monitor screen).

- ⚠ It may cause personal injury and/or malfunction.



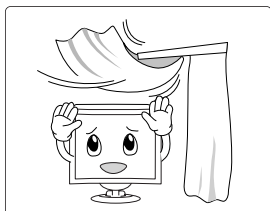
Do not install the monitor in wet or dusty locations.

- ⚠ It may cause a fire, electric shock, and/or damage to the monitor.



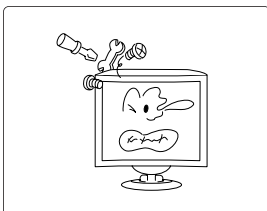
Avoid placing the monitor in direct sunlight or near a heater or fireplace.

- ⚠ It may present a fire hazard.



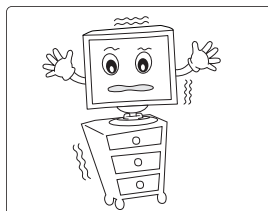
Take caution not to block the ventilation openings when you install the monitor.

- ⚠ Overheating may pose a fire hazard.



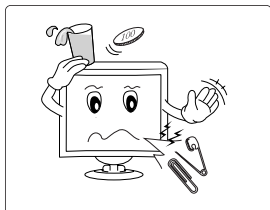
Disassembly, repair, or modification by unauthorized personnel is not allowed.

- ⚠ It may cause a fire, electric shock, and/or damage to the monitor.



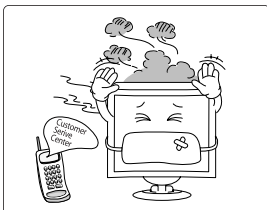
Do not install the monitor on a tilted surface or in a place where it can be exposed to severe vibration.

- ⚠ It may cause the monitor to fall or tip over, resulting in personal injury or damage to the unit.



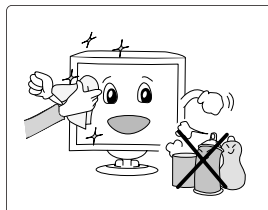
Take caution not to spill liquids (e.g., water, coffee, etc.) or put or drop coins, hairpins, matchsticks or other foreign objects into the openings of the monitor.

- ⚠ It may cause a fire, electric shock, and/or damage to the monitor.



If you see smoke coming from the monitor or notice any signs of malfunction, turn off the power switch, remove the power cord and contact the Customer Center.

- ⚠ Continued use may cause an electric shock or a fire.



To clean the screen surface, first unplug the monitor and wipe the surface with a soft cloth. (Never use acetone or alcohol, as it can cause damage to the LCD surface.)

- ⚠ It may cause a fire or electric shock.

List of Features



Front View



Side View



Rear View

The iBridge Cyfix JL 1720BM / JL 1910BM:

- ▶ Has a 17/19-inch, amorphous-silicon TFT (Thin Film Transistor) LCD panel and supports up to 1280x1024.
- ▶ Supports both Analog (15-pin D-Sub) and Digital (24-pin DVI-D) signals and is compatible with the IBM PC and Apple Macintosh™. (You need an additional adapter to use it with an Apple Macintosh.)
- ▶ Automatically switches to horizontal frequencies (30-80 kHz) or vertical frequencies (55-75 Hz).
- ▶ Has an energy-saving feature and consumes 40W (17") , 50W (19") when turned on and less than 3W when turned off.
- ▶ Supports audio features.
- ▶ Is an ultra-light and ultra-slim monitor.

This device is a class B digital apparatus.

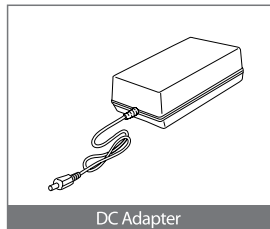
List of Parts

Before operating your display, please check to make sure that all of the Items listed are present in your package. If any items are missing, contact your dealer.

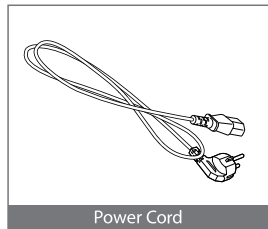
❖ The monitor and items may not match the following illustrations exactly.



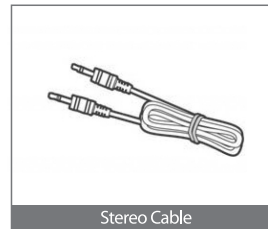
TFT LCD Monitor



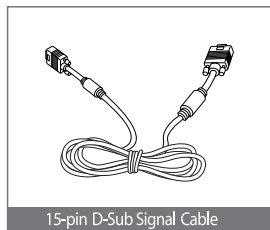
DC Adapter



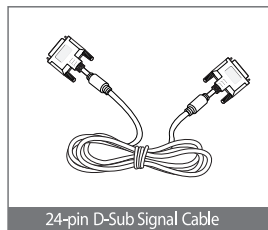
Power Cord



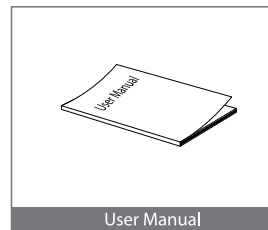
Stereo Cable



15-pin D-Sub Signal Cable

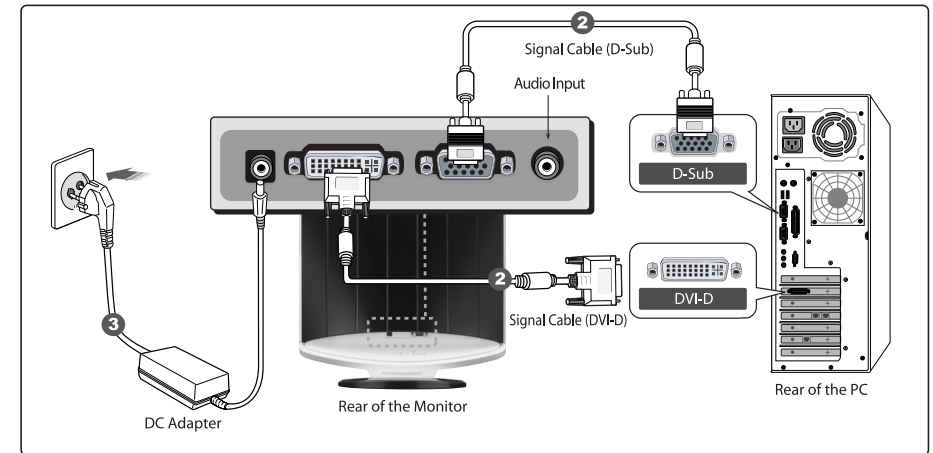


24-pin D-Sub Signal Cable



User Manual

Connections - Connecting a PC



- ① Before you connect the cables, make sure that both the monitor and PC are turned off.
- ② Connect the 15-pin D-Sub or 24-pin DVI-D signal cable between PC IN connector on the monitor and the PC output connector on your computer.
- ③ Connect the power cord to the DC adapter and connect the adapter plug to the POWER IN connector on the rear of the monitor.
Connect the plug of the power cord into an AC wall outlet.
- ④ Turn on the PC before you turn on the monitor.
 - If the "No Cable, No Signal" message is displayed on the screen, check to see if the signal cable (D-Sub or DVI-D) is connected properly.
 - Turn off the PC and then turn off the monitor after use.



- When the message "No Cable, No Signal" appears, check that the signal cable is firmly connected to the PC and the Monitor before calling for service.
- There may be few red, green, blue, white, or black pixels on the screen.
This is normal and not a defect of the unit. These pixels will have no impact on the performance of the product.

Timing Guide

The monitor is a multi-frequency display.

It operates at horizontal frequencies between 30KHz-80KHz and vertical frequencies between 55Hz-75Hz. Because of its microprocessor-based design, it offers auto- synchronization and auto-sizing capabilities. This monitor offers 10 pre-programmed settings that are listed in the following time table.

Mode		Resolution		Frequency		Pixel Clock Frequency [MHz]	Polarity [H/V]
		Horizontal [Dots]	Vertical [Lines]	Horizontal [KHz]	Vertical [Hz]		
VGA	M1	720	400	31.5	70	28.322	-/+
VESA	M2	640	480	31.5	60	25.175	-/-
	M3	640	480	37.5	75	31.500	-/-
	M4	800	600	37.9	60	40.000	+/+
	M5	800	600	46.9	75	49.500	+/+
	M6	1,024	768	48.4	60	65.000	-/-
	M7	1,024	768	60.0	75	78.750	+/+
	M8	1,280	1,024	64.0	60	108.000	+/+
	M9	1,280	1,024	80.0	75	135.000	+/+
MAC	M10	832	624	49.7	75	57.284	-/-

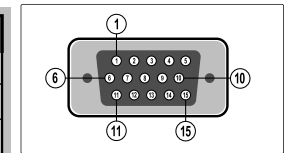
Pin Configuration

The monitor uses two types of signal input cables: 15-pin D-sub connector and 24-pin DVI-D connector. Connect the proper cable to the signal output ports of the monitor and the PC.

⚠ Be sure to turn off the monitor before you connect the signal connector to the monitor.

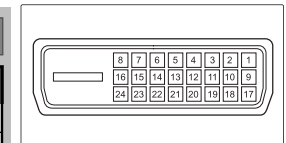
❖ VGA Connector (Cable Side)

Pin	Signal	Pin	Signal
1	Red	9	No Connection
2	Green	10	Ground
3	Blue	11	Ground
4	No Connection	12	DDC SDA
5	Ground	13	Horizontal Sync.
6	Red Ground	14	Vertical Sync.
7	Green Ground	15	DDC SCL
8	Blue Ground		



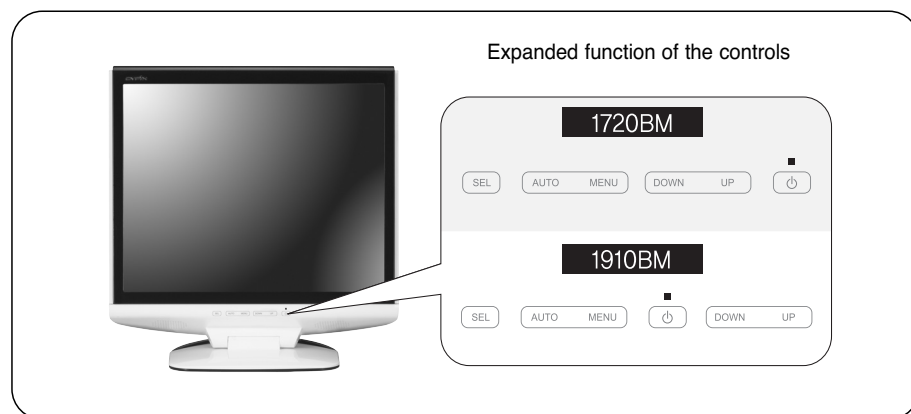
❖ DVI Connector (Cable Side)

DVI-D Connector (TMDS Single Link)			
Pin	Signal	Pin	Signal
1	T.M.D.S. Data2-	13	T.M.D.S. Data3+ (N,C)
2	T.M.D.S. Data2+	14	+5V Power
3	T.M.D.S. Data2/4 Shield	15	GND (for+5V)
4	T.M.D.S. Data4- (N,C)	16	Hot Plug Detect
5	T.M.D.S. Data2+ (N,C)	17	T.M.D.S. Data0
6	DDC Clock	18	T.M.D.S. Data0+
7	DDC Data	19	T.M.D.S. Data0/5
8	N,C	20	T.M.D.S. Data5- (N,C)
9	T.M.D.S. Data1-	21	T.M.D.S. Data5+ (N,C)
10	T.M.D.S. Data1+	22	T.M.D.S. Clock Shield
11	T.M.D.S. Data1/3 Shield	23	T.M.D.S. Clock+
12	T.M.D.S. Data3- (N,C)	24	T.M.D.S. Clock-



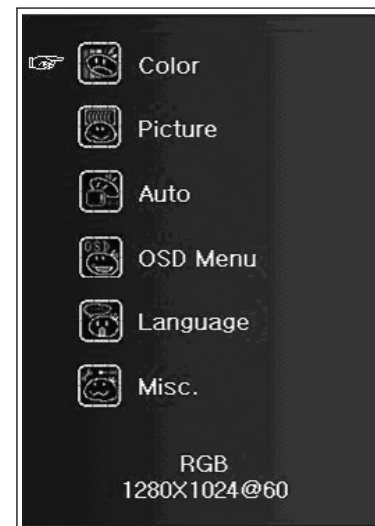
Functions of the Controls

❖ OSD (On Screen Display) Buttons and Function Descriptions



Button	Description
SELECT	Input Signal Select Button – Lets you convert the input signal to analog or digital format.
AUTO	Auto Setup Button – In normal mode: Automatically adjusts the settings to maintain optimal size and position. – In OSD menu mode: Returns to the previous screen.
Menu	Settings Button – In normal mode: Displays the OSD menu screen. – In OSD menu mode: Use the button to select a item to adjust.
	Power Button Turns the monitor on and off.
DOWN	Down Button – In normal mode: Turns up the volume. – In OSD menu mode: Used to adjust the status and value of a menu item.
UP	Up Button – In normal mode: Turns down the volume. – In OSD menu mode: Used to adjust the status and value of a menu item.

Menu Descriptions



Icon	Description
	Contrast Use this to adjust the contrast of the screen. Press the UP/DOWN buttons to increase or decrease the sharpness of the image.
	Brightness Use this to adjust the brightness of the screen. Press the UP/DOWN buttons to increase or decrease the brightness of the image.
	Color Temp Use the ▲ / ▼ buttons to choose. "9600K," "6500K," and "5500K" are factory-designated and cannot be changed. Select "User" to adjust to your preference. (RGB adjustment available)
	H.Position Select this and press the UP button to move the display to the right and the DOWN button to move it to the left.

Menu Descriptions

Icon	Description
	V.Position Select this and press the UP button to move the display upwards and the DOWN button to move it downwards.
	Clock Select this and press the DOWN button to shrink and the UP button to expand the left and right ends of the display.
	Phase An advantage of the LCD monitor. It allows you to select the screen image settings according to your preference using the UP/DOWN buttons.
	Auto Adjust Automatically adjusts the horizontal and vertical Size and Position, Clock, and Phase.
	Auto Color Select this and use the buttons to automatically adjust the color levels according to the level of the video input signal. (Use this when the color seems unnatural.)
	OSD H.Pos Select this and press the UP button to move the OSD to the right and the DOWN button to move it to the left.
	OSD V.Pos Select this and press the UP button to move the OSD upwards and the DOWN button to move it downwards.
	OSD Timer Select this and use the UP/DOWN buttons to adjust the duration the OSD is active.
	Language Use this to change the language of the OSD menu.

Menu Descriptions

Icon	Description
	Signal Source Use this to select the D-Sub (Analog) or DVI-D (TMDS) video input signal.
	Mode Use the UP/DOWN button to select the mode you want. PC, Game, and Movie modes are available.
	Audio Volume Allows you to adjust the audio volume.

Troubleshooting



If you have a problem setting up or using your monitor, you may be able to solve it yourself. Before contacting customer service, try the suggested actions that are appropriate to your problem.

Problem	Possible Solution
 No picture	- Make sure the monitor is plugged in. - Make sure the monitor is turned on. - Make sure the signal cable is firmly connected to the PC or Video sources. - Adjust the Brightness and Contrast.
 The text is blurred or out of focus.	- Press the AUTO button. - If the problem is not resolved, try adjusting the Phase value in the OSD menu.
 The color seems unnatural.	- Make sure the signal cable is firmly connected to the PC or Video sources. - Select Auto Color in the OSD menu.
 "No Cable, No Signal" message.	Make sure the signal cable is firmly connected to the PC or Video sources. * The "No Cable, No Signal" message means that the monitor is functioning properly.
 "Out of Range" message.	- Be sure the frequency of the video card is within the 30-80 kHz (horizontal) and 55-75 Hz (vertical) range. - Reboot the system → Press "F8" when the Windows logo appears → Safety Mode → Go to [Start] → [Control Panel] → [Display] → [Settings] to choose the mode you want.

Specifications

JL1720/JL1910BM			
LCD Panel	Size	JL1720BM	17" Diagonal
		JL1910BM	19" Diagonal
	Display Size	JL1720BM	337.92mm (H) X 270.336mm (V)
		JL1910BM	376.32mm (H) X 301.056mm (V)
	Type	TFT active matrix	
	Pixel Pitch	JL1720BM	0.264mm X 0.264mm
		JL1910BM	0.294mm X 0.294mm
Viewing Angles	Left / Right	75° / 75°	
	Up / Down	75° / 60°	
Frequency	Horizontal Sync.	30~80 KHz	
	Vertical Sync.	55~75 Hz	
	Display Color	JL1720BM	16.2M colors
		JL1910BM	16.7M colors
	Surface Treatment	Anti-glare coating	
Contrast Ratio	Typ.	700:1	
Brightness	Typ.	300cd/m ²	
Response Time	Typ.	8ms	
Compatibility	PC	IBM Pentium or PS/2 and compatibles (from VGA and DVI up to 1280X1024@75 Hz, Progressive)	
Display Resolution	Max.	1280X1024@75 Hz, Progressive (1280X1024@60 Hz recommend)	
Connectors	Input Signal	15-pin D-Sub, 24-pin DVI-D	
	Power	Jack Type DC+12V In	
Power	Input	AC 100-240V, 50-60 Hz	
	Output	DC 12V	
	Consumption	JL1720BM	40 watts
		JL1910BM	50 watts
Audio	Input	Stereo 3pin	
	Output	3W X 2	
Operating	Temperature	32°F to 104°F (0°C to 40°C)	
	Humidity	20% RH to 80% RH (non condensing)	
	Altitude	To 10,000 feet (3,000m)	
Storage Conditions	Temperature	-13°F to 104°F (-25°C to 40°C)	
	Humidity	5% RH to 90% RH (non condensing)	
Dimension		JL1720BM	382 mm (W) X 390 mm (H) X 201 mm (D)
		JL1910BM	417 mm (W) X 407 mm (H) X 201 mm (D)
Weight	Net	JL1720BM	4.2Kg
		JL1910BM	5.0Kg