canvys™
visual technology solutions

40W267 Keslinger Road
PO BOX 393
LaFox, IL 60147-0393 USA

A Division of Richardson Electronics

User's Manual

PC55002R

1080P High-Definition LCD Flat Panel Display

Preface

About this manual

This manual is designed for use with the PC55002R Prosumer/Industrial display. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice.

Copyright

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Trademarks

All trademarks and registered trademarks are the property of their respective owners.

FCC compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Federal communications commission (FCC) statement
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the 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 the 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.

Important recycling instructions

(Hg)	Lamp(s) inside this product contains mercury. This product may contain other electronic waste that can be hazardous if not disposed of properly. Recycle or dispose in accordance with local, state, or federal laws. For more information, contact the Electronic industries Alliance at WWW.EIAE.ORG For lamp specific disposal information check WWW.LAMPRECYCLE.ORG

Symbol explanations

	Disposal: Do not use household or municipal waste collection services for disposal of electrical and electronic equipment. EU countries require the use of separate recycling collection services.

Table of Contents

Important Safety Instructions

This product is designed and manufactured to operate within defined design limits, and misuse may result in electric shock or fire. To prevent the product from being damaged, the following rules should be observed for the installation, use and maintenance of the product. Read the following safety instructions before operating the display. Keep these instructions in a safe place for future reference.

◆ To avoid the risk of electric shock or component damage, switch off the power before connecting other components to the monitor.

◆ Unplug the power cord before cleaning the monitor. A damp cloth is sufficient for cleaning the monitor. Do not use a liquid or a spray cleaner for cleaning the product. Do not use abrasive cleaners.

◆ Always use the accessories recommended by the manufacturer to insure compatibility.

◆ When moving the monitor from an area of low temperature to an area of high temperature, condensation may form on the housing. Do not turn on the monitor immediately after this to avoid causing fire, electric shock or component damage.

◆ Do not place the monitor on an unstable cart, stand, or table. If the monitor falls, it can injure a person and cause serious damage to the appliance. Use only a cart or stand recommended by the manufacturer or sold with the monitor.

◆ A distance of at least 3 feet should be maintained between the monitor and any heat source, i.e. radiator, heater, oven, amplifier etc. Do not install the product close to smoke. Operating the product close to smoke or moisture may cause fire or electric shock.

◆ Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of the monitor and to protect it from overheating, be sure these openings are not blocked or covered. Do not place the monitor in a bookcase or cabinet unless proper ventilation is provided.

◆ Never push any object into the slot on the monitor cabinet. Do not place any objects on the top of the product. It could short circuit parts causing a fire or electric shock. Never spill liquids on the monitor.

◆ The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.

◆ The power cable must be replaced when using different voltage from that specified in the User Manual. For more information, contact your dealer.

◆ Do not overload power strips and extension cords. Overloading can result in fire or electric shock.

◆ The wall socket shall be installed near the equipment and shall be easily accessible.

◆ Only the marked power source can be used for the product. Any power source other than the specified one may cause fire or electric shock.

◆ Do not touch the power cord during lightning. To avoid electric shock, avoid handling the power cord during electrical storms.

◆ Unplug the unit during a lightning storm or when it will not be used for long period of time. This will protect the monitor from damage due to power surges.

◆ Do not attempt to repair or service the product yourself. Opening or removing the back cover may expose you to high voltages, the risk of electric shock, and other hazards. If repair is required, please contact your

dealer and refer all servicing to qualified service personnel.

◆ Keep the product away from moisture. Do not expose this appliance to rain or moisture. If water penetrates into the product, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.

◆ Do not use the product if any abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair the product yourself.

◆ Avoid using dropped or damaged appliances. If the product is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of the product may cause fire or electric shock.

◆ Do not install the product in an area with heavy dust or high humidity. Operating the product in environments with heavy dust or high humidity may cause fire or electric shock.

◆ Follow instructions for moving the product. Ensure that the power connector and any other cables are unplugged before moving the product.

◆ Hold the power connector when removing the power cable. Pulling the power cable itself may damage the wires inside the cable and cause fire or electric shock. When the product will not be used for an extended period of time, unplug the power connector.

◆ To avoid risk of electric shock, do not touch the connector with wet hands.

◆ Insert batteries in accordance with instructions. Incorrect polarities may cause damage and leakage of the batteries, operator injury and contamination the remote controller.

◆ If any of the following occurs please contact the dealer.

Overview

A7X SERIES is native 1920 x 1080 HDTV monitors and can support (8bits+FRC) 1G color.

Features

- High brightness
- Fast response time 120Hz, 4.5 ms
- High color saturation
- Max resolution 1920 x 1080(Full HD format)
- Ultra wide viewing angle :176(H)/ 176(V)
- Support PIP/PAP function
- OSD in 2 languages
- 4 HDMI inputs with HDCP key protection

Package Contents

Open the package and ensure that you have the following items:
- A7X series display
- Accessory box
-

	Item
1	Power cord US type.
2	Remote controller
3	Power Cord EU Type (Optional)
4	User's Manual (optional)
5	I/O Cables (optional)

Indicator lights, Controls and Connections

Front Panel

LED Light and Front IR Sensor

Control Panel

ENTER
>/+
</−
∨
∧
MENU

Connection Panel

Side one 90 degree rotation

| IR In | SPDIF Out | HDMI 1 | HDMI 2 | HDMI 3 | HDMI 4 | RGB | PC Audio In | Speaker Out |

L   R
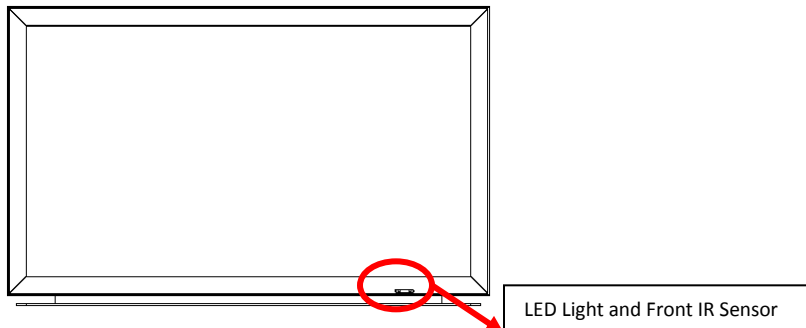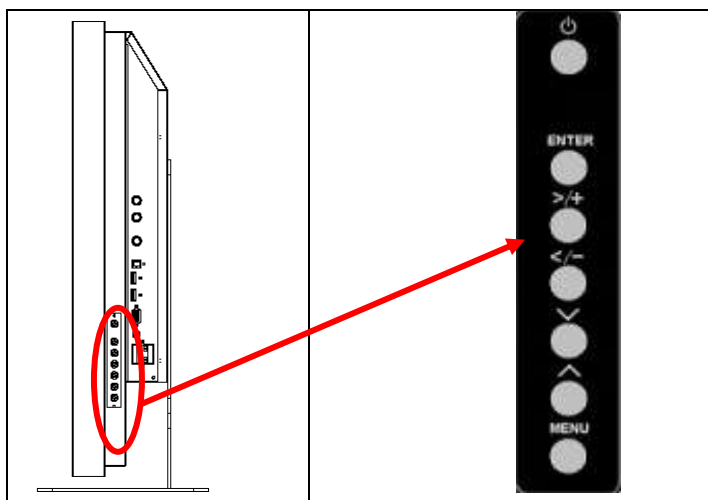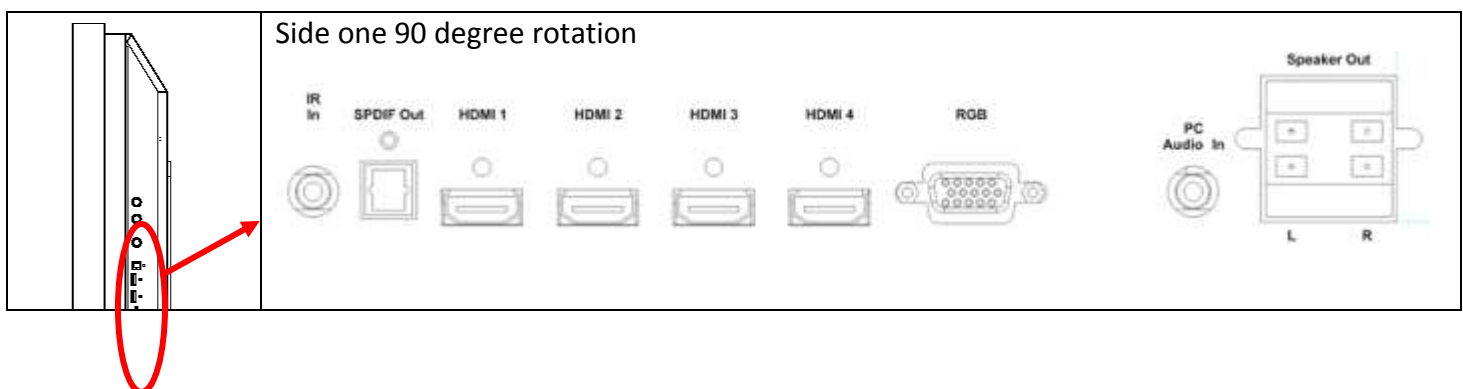
Side two 90 degree rotation

COMPONENT 1 COMP 1 Audio L R Video 1 Video 1 Audio L R S-Video/Video 2 RS232
COMPONENT 2 COMP 2 Audio L R Video 2 Video 2 Audio L R

| is power on
○ is power off

Main power –Switch & AC socket
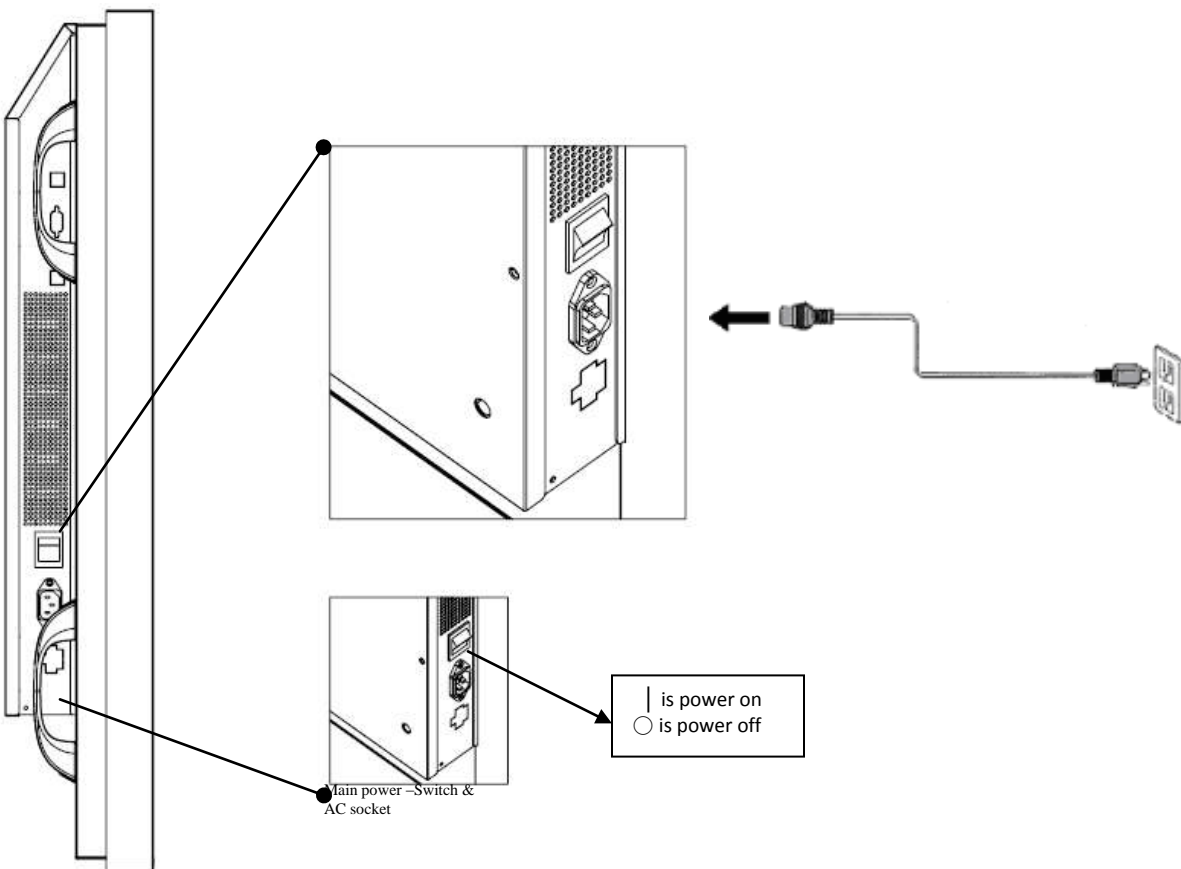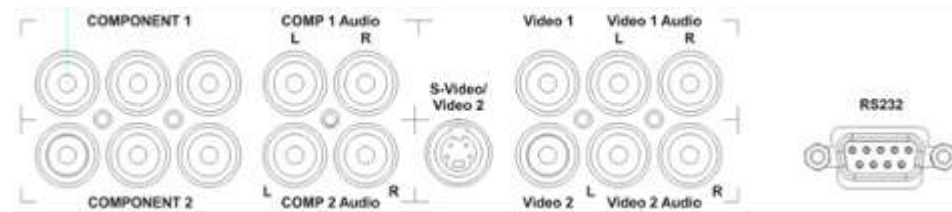
Power Cord

AC Power cord
The power cord is used to power the LCD monitor from a standard wall outlet.

Connect the power cord into main power of the monitor where "|" is power on, "○" is power off.

Input: 100-240V~ 5A 50-60Hz

Installation

Setup

Notes
- Before connecting, turn off the monitor and any connecting source equipment. After making all connections, turn on the monitor first before turning on other devices.
When connecting a computer, be sure that the computer is the last device turned on, after all connections are made.
- Read the operation manuals of the video source equipment before making connections.

Unpacking
◆ A7X SERIES is packed inside a box carton. In order to protect the monitor during transportation, additional packing material has been placed within the carton.
◆ Before unpacking your monitor, prepare a stable, level, and clean surface near a wall outlet for your monitor.
◆ Set the monitor box in an upright position and Pull out the white carton locks
◆ Lift up the top cover carton
◆ Remove the ESD bag before remove the display from the bottom tray carton

Connect any video source equipment on the following interfaces:
◆ High Definition Multimedia Interface (HDMI)
◆ Component (Y, Pb, Pr)
◆ S-Video
◆ Composite (AV)
◆ HD-15 for VGA

Connecting the Power Cord
Plug the supplied power cord into the AC socket on the side of the monitor.

Connecting to Video Equipment
Use Component (Y, Pb, Pr), S-Video or Composite (AV) cable when connecting to video equipment.

Connecting Using HDMI Cable (BEST)
Use a HDMI cable when connecting to video sources that utilize HDMI output.

Connecting to a Computer

Connect the monitor to the computer using an HD 15-pin VGA cable. Secure the cable connectors by tightening the screws on both sides of the plug.

Basic operation

Connect the required external source equipment to the monitor before following these procedures.

Info

The on-screen display (OSD) is automatically preset to English. To change the OSD Display language, refer to the OSD Menu Function on page 12.

A. Connecting the Power Cable

Connect the power cord to the power cord connector on the side of the monitor. Plug the power cord into an AC wall socket and press power switch to " │ " to power on, or "○" to power off the monitor.

B. Turning Power On

Once power switch is "on" (see above), press the Power ON button on the side of the monitor or remote control.

C. Selecting Input Source

To select the Input Source for the monitor, press the SOURCE button on the control panel or press the desired source key on the remote control, or pressing the AUTO key on the remote control will cycle to the next active source input.

D. Turning Power Off

To turn off the monitor, press the Power OFF button on the control panel or remote control.

Using the Menu Screen

The image and display settings can be adjusted through the MENU as listed on the control panel or remote control using the following procedures:

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Remote control

*Some of those buttons may inactive by specific model

Key	Description	Key	Description
ON	Monitor on	CONTR -	Decrease contrast ratio
RGB	To choose PC RGB source	ISF DAY	Disable
OFF	Monitor off	CUSTOM	Disable
HDMI 1	To choose HDMI source 1	ISF NIGHT	Disable
HDMI 2	To choose HDMI source 2	⬚	Menu Up
COMP 2	To choose Component source 2		Menu Down
COMP 1 /HDMI 3	To choose Component source 1 / To choose HDMI source 3	VOL +/ VOL -	Volume +*Menu Right(inside OSD menu) /Volume - *Menu Left (inside OSD menu)
HDMI 4	To choose HDMI source 4	ENTER	Enter
VID 1	To choose Video source 1	EXIT	Exit
VID 2	To choose Video source 2	INFO	To indicate the status
BRIGHT +	Increase brightness	4:3	Aspect ratio 4:3(Pillar Box)
BRIGHT -	Decrease brightness	POSITION	To Switch PIP position
CONTR +	Increase contrast ratio	AUDIO 1	Disable (PBP)
1	Number 1	MENU	To enter OSD menu
2	Number 2	TIMER OFF	Timer off (Main SRC)
3	Number 3	16:9	Aspect ratio 16:9(Full Screen)
4	Number 4	LETTER	Aspect ratio Letterbox
5	Number 5	V WIDE	Disable (FREEZE)
6	Number 6	PIP	To Switch PIP function
7	Number 7	SIZE	To Adjust PIP screen size
8	Number 8	SWAP	To Swap PIP screen
9	Number 9	PIP SRC	To choose PIP SRC
100	Number 100	AUDIO 2	Disable (Auto Adjust)
0	Number 0	AUDIO 3	Disable (S-VID)
MUTE	Audio mute		

Note 1: Inserting the batteries

Insert two AAA batteries into the remote control. Make sure the (+) and (-) symbols on the batteries are matched with the (+) and (-) symbols inside the battery compartment. Re-attach the battery cover.

Note 2: Precautionary Tips for Inserting the Batteries:

◆ Only use the specified AAA batteries.
◆ Do not mix new and old batteries. This may result in cracking or leakage that may pose a fire risk or lead to personal injury.
◆ Inserting the batteries incorrectly may also result in cracking or leakage that may pose a fire risk or lead to personal injury.
◆ Dispose of the batteries in accordance with local laws and regulations. Keep the batteries away from children and pets.

OSD Operation

OSD (On Screen Display) Menu Function

*Some of those functions may inactive by specific model

Main Menu	Sub-Menu	Sub -Submenu	Settings(Default)	Notes
Image Settings	Scheme		User, Vivid, Cinema, Game, Sport(User)	Active only on Video Mode
	Brightness		0~100(50)	
	Contrast		0~100(50)	
	Sharpness		0~24(12)	
	Saturation		0~100(50)	Active only on Video Mode
	Hue		0~100(50)	
	Back Light		0~100(80)	
	Color Temp &Gamma		Color Temp Gamma setting menu	Note 1
Display Settings	Main			
	Aspect Ratio		Full Screen, Pillar Box, Letter Box (Full Screen)	
	Zoom		0~10(0)	
	Auto Scan		On/Off(Off)	
	Select Source		VGA, HDMI1, HDMI2, HDMI3, HDMI4, Component 1, Component 2, S-Video, Video 1, Video 2	
	PIP			
	PIP Mode		Off, Large PIP, Middle PIP, Small PIP, Side-by-Side(Off)	
	PIP Position		Bottom-Right, Top-Left, Top-Right, Bottom-Left(Bottom-Right)	Active when PIP Mode are Large/Middle/Small PIP
	Aspect Ratio		Full Screen, Pillar Box, Letter Box(Full Screen)	Active when PIP Mode are

				Large/Middle/Small PIP
	Side by Side Scale	ZOOM IN	NA	Active when PIP Mode are Side-by-Side
		ZOOM OUT		
		Main		
		PIP		
		Default		
		Return		
	Auto Scan		On/Off(Off)	Active when PIP Mode is On
	Select Source		PC,HDMI1,HDMI2,HDMI3, HDMI4, VIDEO1, VIDEO2, S-VIDEO, COMP1, COMP2	
Audio Settings	Volume		0~100(50)	
	Bass		0~20(10)	
	Treble		0~20(10)	
	Balance		0~20(10)	
	HDMI Audio Input		HDMI /PC(HDMI)	
Basic Settings	OSD Transparency		0~100(0)	
	OSD Location	Up / Down / Left / Right	NA	
	OSD Zoom		On, Off(Off)	
	OSD Rotation		0, 90, 180, 270 degree (0 degree)	
	OSD Language		English, Chinese(English)	
	OSD Timeout		5~120(30)	
	Sleep Timer		Off, 15 Min, 30 Min, 60 Min, 90 Min, 120 Min(Off)	
advanced Settings	Auto Adjustment		Yes, No(Yes)	Active only on VGA Mode
	Image Position	Up / Down / Left / Right	NA	
	Phase		0~63	
	Clocks		0~100	
	Flesh Tone		Off, Low, Medium, High(Off)	Active only on Video Mode
	Front LED		On, Off(On)	
	IRFM		30Minute,1 Hour,2 Hours, (Off)	Avoid Image retention to slight

				frame motion
	Baud Rate		115200, 38400, 19200, 9600(115200)	
	Monitor ID*		1~255(1)	
	Light Sensor*		On/Off	
	Factory Reset		Yes, No(No)	
System Status	Main and PIP status		Main /Pip Source And Resolution	
	F/W Version			
Note 1	Gamma		OFF, 2.2 (2.2) ,default main is RGB	
	Color Temp		User, 5000K, 6500K, 7500K, 9300K(9300K)	Active only when Gamma is not OFF
	Red Gain		128~384(256)	Active only when Color Temp is User
	Green Gain		128~384(256)	
	Blue Gain		128~384(256)	
	Red Offset		-50 ~ 50(0)	
	Green Offset		-50 ~ 50(0)	
	Blue Offset		-50 ~ 50(0)	

Image Settings

Scheme	User		◆
Brightness		0	
Contrast		0	
Sharpness		0	
Saturation		0	
Hue		0	
Backlight		0	
Color Temperature & Gamma	▶		

Display Settings

Main

Aspect Ratio	Full Screen	◆
Zoom		◆
Auto Scan	Off	◆
Select Source	▶	

PIP

PIP Mode	Off	◆
PIP Position	Top-Left	◆
Aspect Ratio	Full Screen	◆
Side by Side Scale	▶	
Auto Scan	Off	◆
Select source	▶	

Audio Settings

Volume		0
Bass		0
Treble		0
Balance		0
HDMI Audio Input	HDMI	◆

Basic Settings

OSD Transparent		0	
OSD Location	◊		
OSD Zoom	Off		◆
OSD Rotation	0 degree		◆
OSD Language	English		◆
OSD Timeout	0	Sec.	◆
Sleep Timer	Off		◆
Timer Setting			

Advanced Settings

Auto Adjustment	No	◆
Image Position	▶	
Phase		0
Clocks		0
Flesh Tone	Off	◆
Front LED	Off	◆
IRFM	Off	◆
Baud Rate	115200	◆
Monitor ID	0	◆
Light Sensor	Off	◆
Factory Reset	No	◆

System Status

Channel Information

	Source	Resolution
Main	No signal	No signal
PIP	No signal	No signal

Firmware Version	0 . 0	

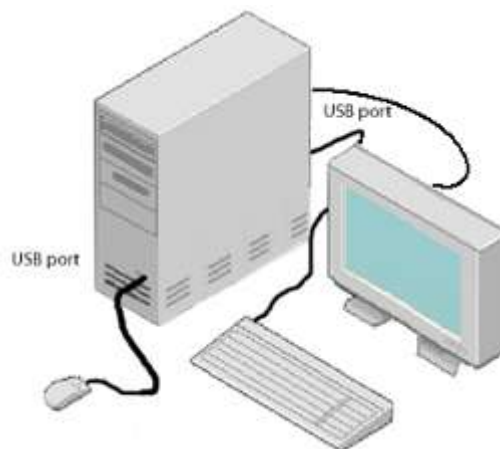# Touch-Operation (with touch function model only)

1. Turn on the monitor (AC switch on).
2. Connect one side of USB cable (Type-B USB connector) on the monitor side. See below picture.
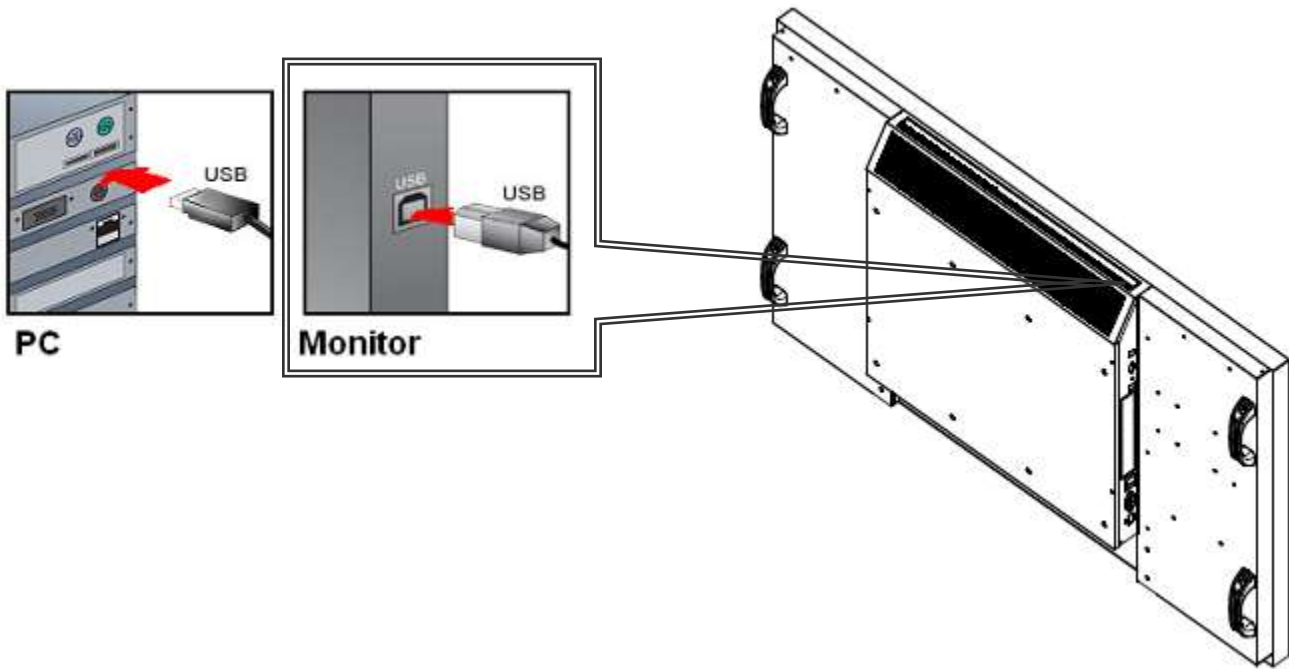
3. Connect the other side of USB cable (Type-A USB) to the USB port on computer. See picture below.

4. Wait for the beeps, and the touch function is ready to go. It can be activated by pen, finger, or any other pointer.

Specification

Item		Specification	Unit
LCD panel	Model no.	V546H1-LH2 (CMO)	
	Resolution	1920 x 1080 (HDTV format)	-
	Brightness	500	Nits
	Contrast Ratio	4000	
	Response time (GTG)	4.5	ms
	Aspect Ratio	16:9	
	Backlight Life Time	50000	hrs
Graphic	Separate Sync.	TTL	-
	Horizontal Sync.	Positive / Negative	-
	Vertical Sync.	Positive / Negative	-
	Input Connector	HDMI1, HDMI2, HDMI3, HDMI4 (Note 1), PC, S-PDIF output, Wired IR input, RS232. Component 1, (with Audio L/R) , Component 2 (with Audio L/R), Video 1 (with Audio L/R), S-Video/Video 2 (with Audio L/R), External SPK R/L OUT, PC Audio In	-
Scan Rate	Horizontal	26~91	KHz
	Vertical	48~85	Hz
Performance	Auto Adjust	Clock, Phase, H-Position & V- Position	-
	Screen Scaling	VGA/SVGA/XGA/WXGA/HDTV Full Screen Display	-
	Power Management	VESA DPMS	-
	OSD Language	English, Traditional Chinese	-
Power source	Power Input	AC100~240V (Worldwide)	V
	Minimum-Maximum	90~264V (refer to power spec)	V
Power consumption	Operation Mode (Typ.)	247	W
	Power Saving Mode(Typ.)	<1 (Type)	W
	Input Frequency Range	50-60	Hz
	Input Current	DC output with full loading; Cold start: 6 Amax	
	Rated Input Volt	100~240	Vac
Physical	Dimension w/o stand	*Refer to CAD drawing	mm
	Net weight	50	KG
	Gross weight	65	KG
Environment (Note2)	Storage Temperature	Min -5 ~ Max50	℃
	Operating Temperature	Min 5~ Max 35	℃
	Humidity	90%	RH

	Item	Specification	Unit
	Operating Altitude	0~2000	M
	Non-operating Altitude	0~15000	M
DDC	Plug & Play	DDC 2B Compliance	-
Function	OSD key	7 keys	Key
	Wall mount	*Refer to CAD drawing	mm
	RS232	DB9	-
Audio Amplifier	MaxInputChannel/Each channel	2.5	Vpp
	Channel	2	
	Input Impedance	40	KΩ
	Po (@Vin=1Vpp,RL= 4 Ohm)	10	W
	THD	<10	%
	B.W.	20~20K	Hz
	Adjustment	Linear	
Option Touch Function	Technology	Optical	
	Method	Finger; gloved hand, or any other pointer	
	Touch Resolution	32767X32767	
	Response Time	14ms(typ)	
	Interface	USB(type B female)	
	Transmittance	90%	
	Operating System	Windows 2000/XP/Vista/7 (driver required), Mac OS, and Linux	
RTC	Timer tolerances	< 2 (Note 2)	Sec/Day

Note 1: 4 HDMI inputs can not function at the same time with PIP/PBP.

Note 2: Approximately 12 minute per year.

Timing Table

Resolution	Refresh Rate	Horizontal Frequency	Pixel Frequency	RGB	Component 1,2	HDMI 1~4	Video 1,2 S-Video
640 x 480	60 Hz	31.5 kHz	25.175 MHz	V		V	
	72 Hz	37.9 kHz	31.500 MHz	V		V	
	75 Hz	37.5 kHz	31.500 MHz	V		V	
	85 Hz	43.3 kHz	36.000 MHz	V		V	
800 x 600	60 Hz	37.9 kHz	40.000 MHz	V		V	
	72 Hz	48.1 kHz	50.000 MHz	V		V	
	75 Hz	46.9 kHz	49.500 MHz	V		V	
	85 Hz	53.7 kHz	56.250 MHz	V		V	
1024 x 768	60 Hz	48.4 kHz	65.000 MHz	V		V	
	70 Hz	56.5 kHz	75.000 MHz	V		V	
	75 Hz	60.0 kHz	78.750 MHz	V		V	
	85 Hz	68.7 kHz	94.500 MHz	V		V	
1280 x 960	60 Hz	60.0 kHz	108.000 MHz	V		V	
	85 Hz	85.9 kHz	148.500 MHz	V		V	
1280 x 1024	60 Hz	64.0 kHz	108.000 MHz	V		V	
	75 Hz	80.0 kHz	135.000 MHz	V		V	
	85 Hz	91.1 kHz	157.500 MHz	V		V	
1400 x 1050	60 Hz	64.7 kHz	101.000 MHz	V			
	60 Hz	65.3 kHz	121.750 MHz	V		V	
	75 Hz	82.3 kHz	156.000 MHz	V		V	
1600 x 1200	60 Hz	75.0 kHz	162.000 MHz	V		V	
720x480 (480i)	59.94Hz	15.734kHz	13.5MHz		V	V	V
720x480 (480P)	59.94Hz	31.469kHz	27MHz		V	V	
702x574 (PAL)	50Hz	15.625kHz	13.5MHz		V	V	V
1920x1080 (1080i)	60Hz	33.75kHz	74.25MHz		V	V	
1920x1080 (1080P)	59.94Hz	67.433kHz	148.352MHZ		V	V	
576i/50	50 Hz	15.625K	13.5MHz		V	V	
576p/50	50 Hz	31.250K	27MHz		V	V	
720p/50	50 Hz	37.5K	74.25MHz		V	V	
1080i/50	50 Hz	28.125K	74.25MHz		V	V	
1080p/50	50 Hz	56.250K	148.5MHz		V	V	
1080p/24	24 Hz	27K	74.25MHz			V	

Note *1 : The best display PIP image suggestion (without RGB mode) : progressive resolutions

Troubleshooting

Before calling service personnel, please check the following chart for a possible solution:

No image appears	
Is the power cord of the monitor connected?	Check and see if the power cord is connected properly to the power outlet. Is the main power switch in the "|" position?
Is the power indicator amber?	If yes, press the "on" button on the remote control or control panel.
Is the S-video input and AV2 input connected at the same time?	If yes, remove either the S-Video input or AV2 input.

The screen color is not normal	
Is the screen color unstable or monochrome?	Check the connection of the source cable to ensure a proper fit.
Do you see black dots on the screen?	Clean surface with soft cloth.
Do you see a partial blurring on the screen?	This happens due to interference from surrounding magnetic fields, as created when speakers, steel structures, or high-voltage lines are placed near the monitor. Remove such materials from the immediate vicinity and use the OSD menu to adjust the screen.

Others	
The screen is flickering	1. Remove any highly magnetic material away from monitor. 2. Adjust graphic interface (PC Mode) within allotted frequency parameters.
The picture is dark	Adjust the backlight and brightness. It takes several seconds for the monitor to warm up after the power is turned on.
The picture appears to be ghosting	Ensure the source equipment connection cables are less than 15 meters (50ft.) If additional length is required, please contact your authorized dealer for a signal amplifier. (not provided)
The picture size is incorrect	Adjust picture format to desired image size.
White does not look white	Adjust the color temperature or alter "User" settings to preferred settings.
Screen image is not centered	Adjust picture format to desired image size.

Declaration of Conformity

Manufacturer's Name: CHILIN TECHNOLOGY CO., LTD.

Manufacturer's Address: No.71.   Delun Rd., Jen Te Hsiang,
                                                     Tainan County 717, Taiwan(ROC)

Declares that the products: Model Numbers: A7X SERIES
                                                     ST-HB55A7X

Conforms to the provisions of:

Council Directive 89/336/EEC and amended by 92/31/EEc and 93/68/EEC on Electromagnetic Compatibility;

EN55022:1998 Radiated and Conducted Emissions from IT Equipment
EN55024:1998 Immunity of IT Equipment

    Including: EN61000-4-2 Electrostatic Discharge
                                                     EN61000-4-3 Radiated Immunity
                                                     EN61000-4-4 Electrical Fast Transients
                                                     EN61000-4-5 Line Surge
                                                     EN61000-4-6 RF Conducted Susceptibility
                                                     EN61000-4-8 Magnetic Field Immunity
                                                     EN61000-4-11 Voltage Dips and Interrupts

    And: EN61000-3-2 Harmonic Current Emissions
                                                     EN61000-3-3 Voltage fluctuations and Flicker

Council Directive 73/23/EEC and amended by M1 and C1 on Low Voltage Equipment Safety:
EN60950:2001 Safety of IT Equipment
Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is

likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Any changes or modifications to the display not expressly approved by Chilin Technology would void the user's display warranty coverage.

Warranty Coverage

A. The following are not covered under the warranty

Damage resulting from accidents, misuse, abuse, alteration, tampering or failure of the purchaser to follow normal operating procedures outlined in the user's manual.
Defects or damage due to spillage of food / liquids or wrong usage of electrical supply & voltage.
Damage, losses, defects or malfunction as a result of fire, flood or other Acts of God.
Defects & damage arising from improper testing, operation, demonstration, maintenance, installation, adjustment or any alteration or modification of any kind.
Scratches & damage to the outer surface areas and externally exposed parts that are due to normal customer use.
Any equipment / product which has its serial number removed or made illegible / tampered.
The image retention/sticking or Mura related LCD panel symptoms

B. The Terms & Conditions

The warranty is confined to the first purchaser of the CLT product only & is non-transferable.
Repair & replacements will be carried out by the dealer from whom the product has been purchased, or through the Authorized Service Center of CLT.
Replacement of parts would be purely at the discretion of CLT alone. In case of the replacement of the entire unit is being made, the same model shall be replaced.
In the event of such model has been discontinued, it shall be replaced with the similar model or parts equivalent as deemed by CLT. The warranty on replacement model shall remain in force only for the unexpired period of the warranty based on original purchase.
Warranty does not cover accessories external to the equipment supplied by CLT.

C. Limit Warranty items
*1. The Brightness decay and dead pixel of LCD panel symptom are covered by one year limit warranty policy.
*2. B/L inverter and Touch panel and Power supply covered by 1 years limit warranty.

Appendix I

◆ **Moving Notice:**

Moving the monitor requires at least two people. If not, it may drop and a serious injury may result. Moving/shipping the monitor, please hold the white handles and be sure to make the bundle. If not, it may drop and a serious injury may result. Please see as below pictures.
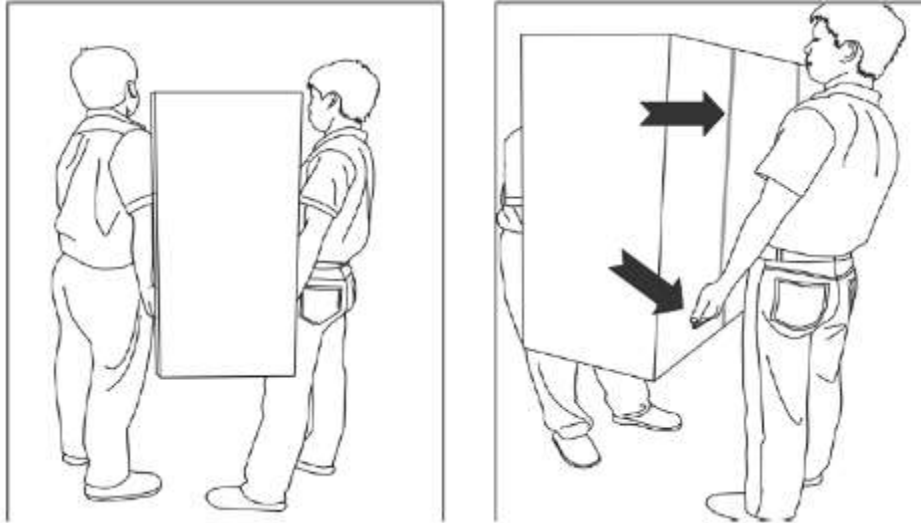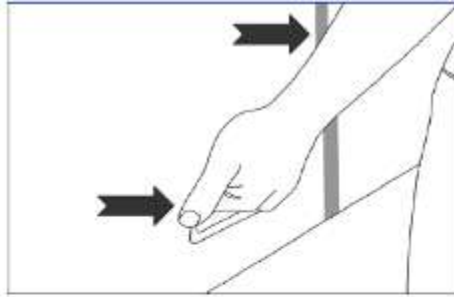
◆ **Carrying Notice :**
This monitor is heavy, please follow as below instruction, when you ready to carry the monitor. If not, it may cause an injury.


Appendix II
Installation Wall Mount kit
✓The installation, please follow this manual instructions and refer all servicing to qualified service personnel.
✓Moving the monitor requires at least two people. If not, it may drop and a serious injury may result.
✓Before installing, please check the installing manual in wall mount kit box.
✓Before installing, please make sure the wall is strong enough ex. a solid cement wall.

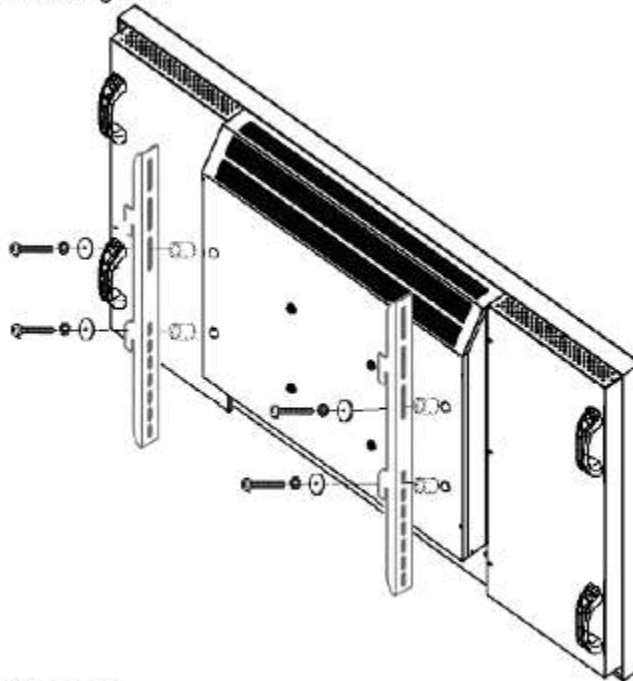**Step1.** Keep the display facing the ground and place it on a flat object.
Step2. Unscrew 4 screws of stand.
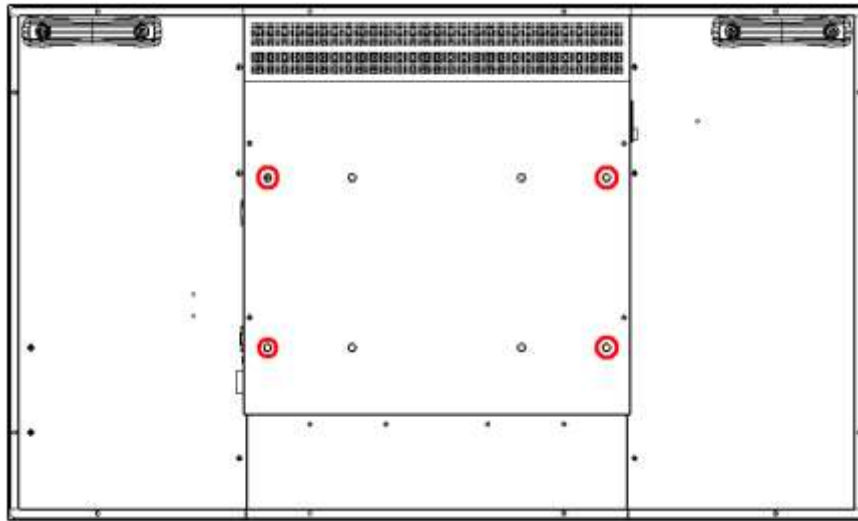
Step3. Take out the wall mounting BKT.

Step 4. Install the wall mounting BKT.

Step 5. Install the mounting unit.
Please follow the installing manual in wall mount kit box.

Wall

Monitor

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Wall mounting