Video Wall Display

User's Manual

Manual Version TL49-55H7.1

For models: TL49H7 & TL55H7

Safety Instructions

- Please handle the display with extreme care, significant impact will damage the LCD panel.
- The display should be moved by no less than two persons at any time to ensure safe handling.
- Please keep the display away from any heat sources. Place the display in a stable and well-ventilated place.
- Please handle with care as product contains glass.
- The holes or openings on the display are designed for ventilation. Do not cover or block the ventilation holes or openings with any objects.
- Remove protective covering from the screen before you use the display.
- Shut off the power supply before cleaning. Use a soft lint-free cloth instead of a tissue to wipe the screen.
- Do not attempt to repair this product yourself! Improper disassembly of the product may invalidate the warranty and lead to possible danger
- If you have a problem that cannot be solved using the "Troubleshooting" guidelines, please contact your supplier.

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1. Introduction

Congratulations on your purchase of our product. Please read carefully and follow all instructions in the manual before first use.

The product should not be exposed to liquids dripping or splashing and no objects filled with liquids, such as vases, should be placed on the product.

For user convenience, a number of operations can be performed through the remote control.

Attention:

1. Do not change any default setting when it is unnecessary.
2. Keep the product far away from water during installation and use.

1.1 Box Contents

1 x Video Wall Display

1 x Power Cable

1 x 1.5M HDMI Cable

1 x CD (User Manual)

1 x Remote Control

1 x IR Extension Sensor cable (CAT5 Port)

1 x 1.5M LAN cable

2 x Batteries

1.2 Product Overview

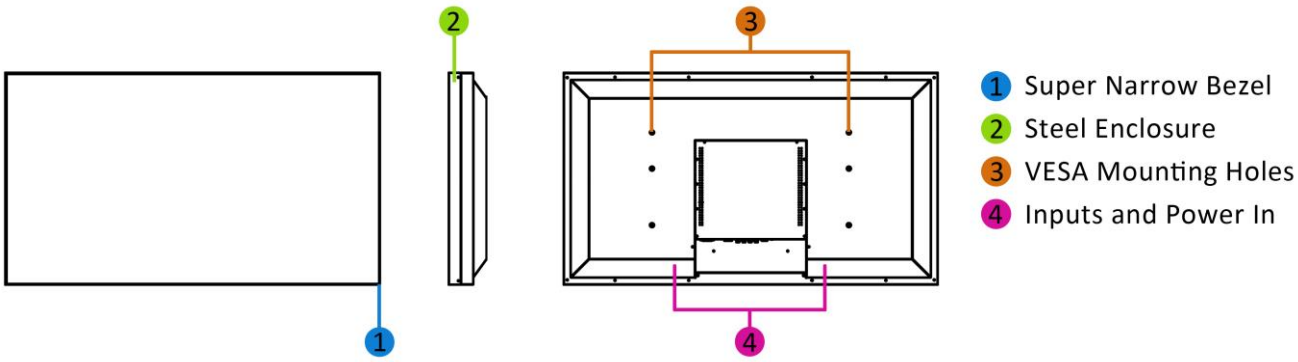


Figure 1 Product Overview

1.3 IR extension sensor

1.3.1 Connection to the screen

Before using the remote control the IR extension sensor must be connected to the screen.

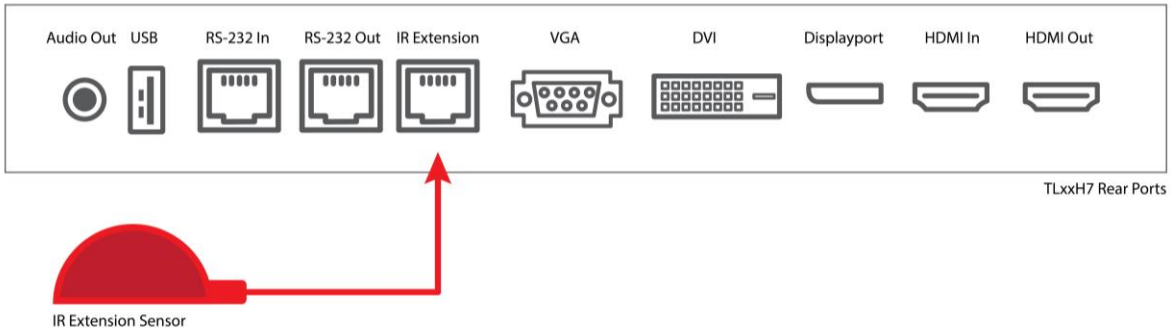


Figure 2 IR Extension Sensor to Screen Connection

Once all required changes have been made the IR sensor can be disconnected or hidden.

1.4 Remote Control

Button	Function
POWER/⏻	Power on or off
MENU	Display settings
SETUP	Menu settings
SOURCE/	Input source
▲	Up (navigation)
◀	Left (navigation)
▶	Right (navigation)
▼	Down (navigation)
▶/II	Play media
■	Stop media
⏮	Previous
⏭	Next
🔇	Display settings
🔊+	Raise volume
🔊−	Lower volume

1.5 Replacing the Remote Control Battery

1. Slide the battery cover off, as shown below.
2. Remove the used batteries.
4. Insert the two new AAA batteries with their terminals corresponding to the indicators.
5. Put the cover back on.

1.6 Menu Operation

The Menu includes the following sub-menus: Picture, Sound, System, Function and Geometry.

First, ensure that the Infrared Extender is connected to the screen via the CAT5 port.).

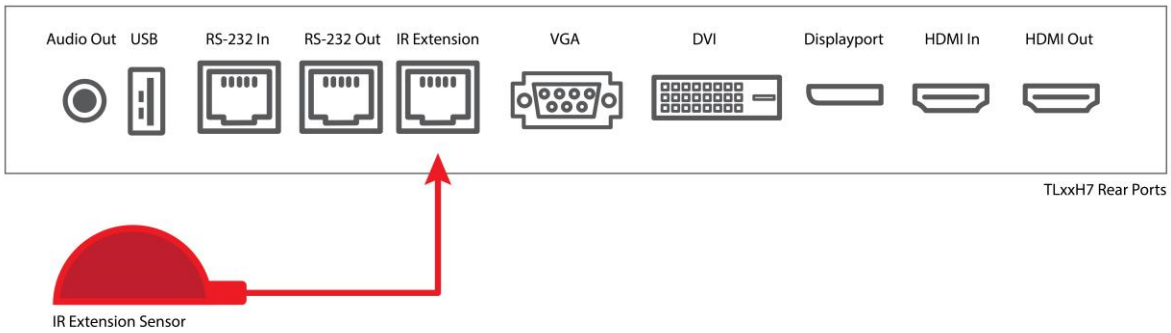


Figure 3 IR Extension Sensor to Screen Connection

When using the remote control please ensure that it is no more than 20cm away from the sensor on the IR extension sensor. This close proximity control feature is to ensure that you only control the desired device if there are others in its vicinity.

The Menu includes the following menus: Picture, Sound, Time and Option.

Press "MENU" to bring up the menus, press ←→ to select the desired menu and ↑↓ to select the desired item, press "PLAY" to confirm the selection. Press "menu" at any time to go back or exit.

Settings

Here is where you can change some of the basic settings of the screen, such as the Menu Language and EDID Switch, and also gives you the option of User reset and Software Update (USB).

Menu Language	<English>	or Chinese
User Reset		
Software Update (USB)		
EDID Switch	<EDID 1.4>	or EDID 2.0

Picture

Here is where you can edit settings such as brightness, contrast, colour temperature and backlight brightness. Any settings that you change can be reset back to default at any time.

Picture Mode	<Standard>	or Mild/User/Auto/Dynamic	
	User	Contrast	50
		Brightness	50
		Colour	50
		Sharpness	50
		Tint	50
Color Temperature	<Medium>	or Warm/User/Cool	
Aspect Ratio			
Noise Reduction			
PC Setup			
Video Wall Set	<Current Haddr: 1> & <Current Vaddr: 1> <Total Haddr: 1> & <Total Vaddr: 1> *(Haddr = Horizontal Address, Vaddr = Vertical Address)*	Or 1-15	

The above table shows the screen's default settings, if you want to use your screen as part of a video wall you must give values to the X and Y settings. The following is an example of a 3x3 video wall:

Current Haddr	**1**
Current Vaddr	**1**
Total Haddr	**3**
Total Vaddr	**3**

	1	2	3 →X
1	**1,1**	**2,1**	**3,1**
2	**1,2**	**2,2**	**3,2**
3 ↓ Y	**1,3**	**2,3**	**3,3**

Current Haddr	**2**
Current Vaddr	**1**
Total Haddr	**3**
Total Vaddr	**3**

	1	2	3 →X
1	**1,1**	**2,1**	**3,1**
2	**1,2**	**2,2**	**3,2**
3 ↓ Y	**1,3**	**2,3**	**3,3**

Current Haddr	**3**
Current Vaddr	**1**
Total Haddr	**3**
Total Vaddr	**3**

	1	2	3 →X
1	**1,1**	**2,1**	**3,1**
2	**1,2**	**2,2**	**3,2**
3 ↓ Y	**1,3**	**2,3**	**3,3**

Current Haddr	**1**
Current Vaddr	**2**
Total Haddr	**3**
Total Vaddr	**3**

	1	2	3 →X
1	**1,1**	**2,1**	**3,1**
2	**1,2**	**2,2**	**3,2**
3 ↓ Y	**1,3**	**2,3**	**3,3**

…and so on.

Switching between inputs

One crucial feature that does not appear on the Main Menu is selecting the input source. This is done by first pressing "SOURCE" and then scrolling down to the desired input source and select by pressing "PLAY".

DP
HDMI 1
DVI
HDMI 2
PC

1.7 Inputs

PC (VGA) – Video Graphics Array Signal Input

HDMI – High Definition Multimedia Interface Signal Input

DVI – Digital Video Interface

RS232 – Serial communication transmission

USB – Universal Serial Bus (for Software Update (USB))

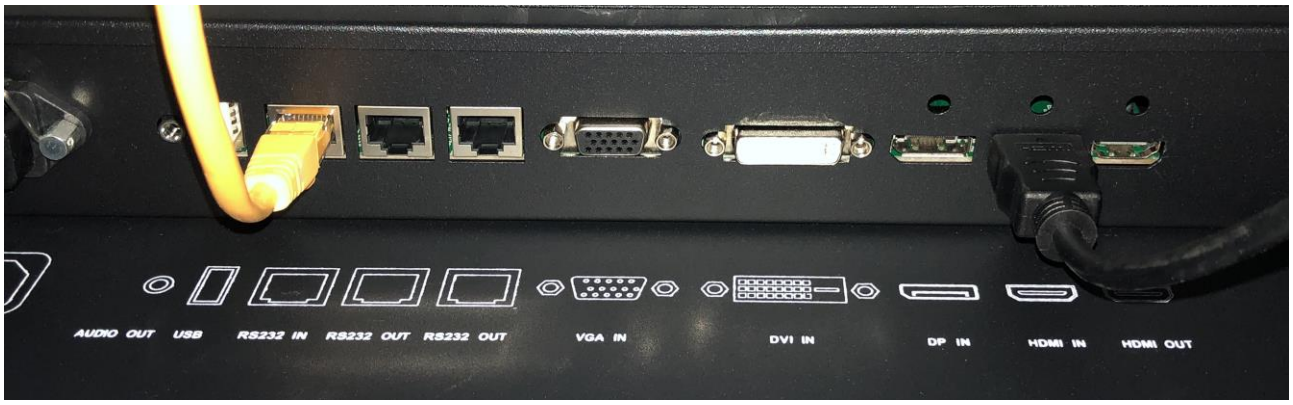


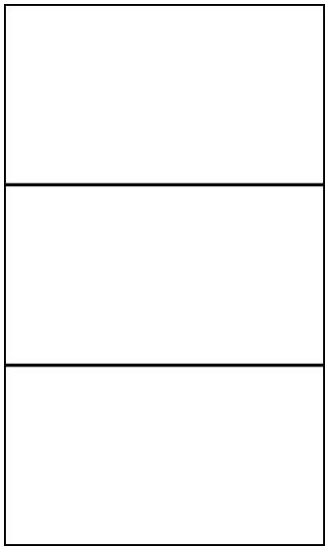
Figure 3 Screen Inputs

2. FAQ and Troubleshooting

2.1 How do I create content for my video wall?

If the output size for your digital signage media player is 1920x1080 pixels (16:9 ratio), and you have a video wall configuration that has another aspect ratio you must squash your video content to fit the 16:9 ratio.

The following example is for a 1x3 video wall configuration.



The overall aspect ratio for this video wall is 16:27 (1920x3240 pixels), however, the media player can still only output a 16:9 (1920x1080) video.

Step 1 of 3. First create your content based on the overall aspect ratio (16:27).

Step 2 of 3. Now you must resize the video so it has an aspect ratio of 16:9, i.e. resize the long side of 3240 pixels to 1080 pixels. The video that you send to the media player must be 1920x1080 pixels.

Step 3 of 3. This video can now be processed by the media player and when sent to a 1x3 configuration video wall will look like this.