

L O F T™

DS-Series Commercial Display User Manual



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Safety Warnings

Before operating, please read this manual thoroughly, and keep it for future reference. Image shown in this manual is indicative only. There may be differences between the pictures and the actual product.

Placement

- Do not put heavy objects on top of the unit.
- Do not place the unit near appliances that generate magnetic fields.
- Do not expose the unit to direct sunlight and other sources of heat.
- Do not place the unit on an unstable cart, stand, tripod, bracket, table, or shelf.
- Do not put any liquid near or on the unit, make sure to not spill any liquid inside the unit.

Power Supply

- Please keep power cable from physical or mechanical damage. Do not use the power cable if it has been damaged.
- Please check and ensure AC source is connected with the ground.
- This power cable comes with the device exclusively for this device only. Check that the unit's operating voltage is identical with your local power supply.
- Please use the original power cable from the accessory bag, don't modify or lengthen it.
- Please unplug power supply, when there is nobody home or the unit will be on standby for an extended period of time.

LED Screen

- Unplug the power cable before cleaning. Clean the screen with a soft, dustless and dry cloth.
- For deep cleaning, please contact an authorized service center.
- Never use water or spray detergent to clean the unit.
- To preserve the panel, do not display static images on high brightness for extended periods of time.
- Suitable operating time: under 16 hours per day.
- Periodical display contents should be changed from static image to moving picture.
- Periodical power-off the system for a while or screen saver is needed after long-term static display.
- Black image or moving image is strongly recommended as a screen saver

Temperature

- Normal operating temperature is 0~40 C.
- Do not place the unit near or over a radiator or a heater.
- If your unit is suddenly moved from a cold to a warm place, please unplug the power cable and do not turn it on at least 2 hours, making sure the moisture inside the unit is all evaporated.

Humidity

- Do not expose the unit in rain, or place in high humidity area.
- Please make sure indoor environment is dry and cool. Normal operating humidity is 10%~ 90% RH.
-

Ventilation

- Please put the unit in a well- ventilated place, so the heating can be released easily. Ensure that the unit has enough space for ventilation.
- Space requirement: left, right and back >10cm, top> 20cm.

Earphones

- Before using earphone, please turn down the volume in advance. Listening at a high volume for long periods of time may affect hearing.

Battery

- Please ensure the remote batteries are properly disposed of or recycled after using.
- Please keep the battery away from kids and don't throw the battery into fire.
- Caution risk of fire or explosion if the battery is replaced by an incorrect type.

Notes for Cleaning

- There are vents on back cover, please do not use any liquid or spray directly during cleaning.

Power Switch Status Signs

- “I” means power on, “ O” means power off.

Notes for Maintenance

- This machine can only be maintained by a certified engineer or technician.

FCC Statement

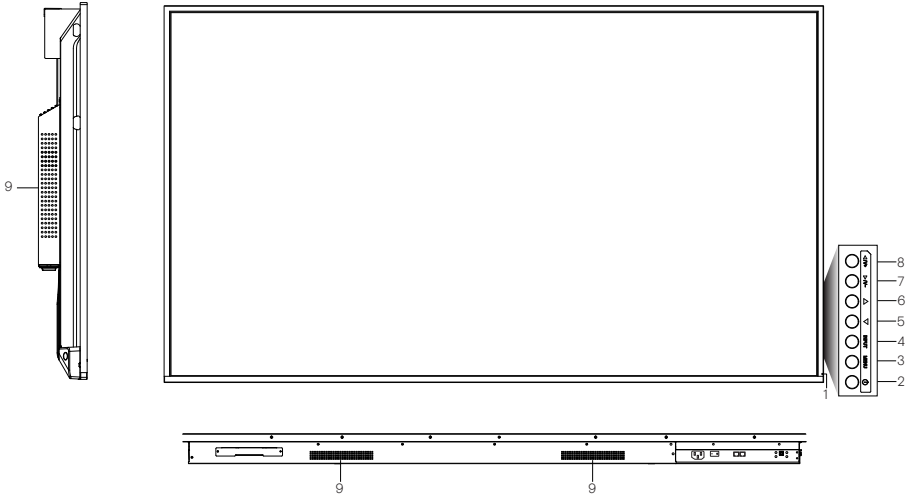
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate 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 receiver.
- Connect the equipment into 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.

FCC Warning

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.

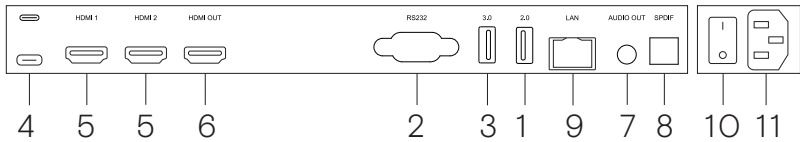
Control Panel



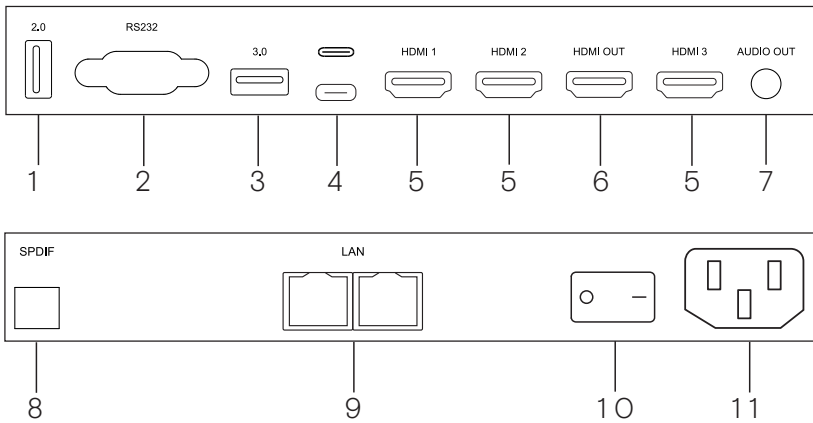
1	Power Indicator Light	Indicates if the display is turned on.
2	Power Button	Press to enter energy-saving mode, hold for at least 2 seconds to enter standby mode.
3	Menu	Shows the settings menu.
4	Input	Shows the input selection menu.
5		Press to scroll left.
6		Press to scroll right.
7		Press to scroll down/volume down.
8		Press to scroll up/volume up.
9	Loudspeakers	

(2) Terminal Interface

Type 1:



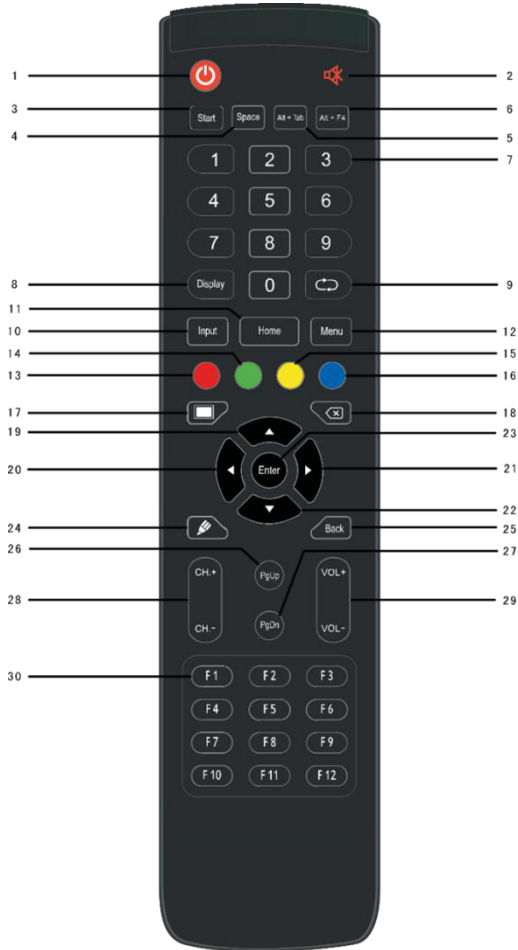
Type 2:









1	USB 2.0	Connect USB devices such as USB keyboard and mouse, USB storage, etc.
2	RS232	Serial interface, used for mutual transfer of data between devices.
3	USB 3.0	Connect USB devices such as USB keyboard and mouse, USB storage, etc.
4	USB Type-C	Supports charging, data transmission, extension for audio and video output interface, etc.
5	HDMI IN	High-definition multimedia interface signal input, connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device).
6	HDMI OUT	Connect to devices with HDMI input function. Can be used to mirror displays.
7	AUDIO OUT	Audio output for use with external speakers.
8	SPDIF OUT	Carry multichannel sound via optical signals.
9	LAN	Hardwired connection to the internet
10	AC SWITCH	To turn on or shut down AC power supply.
11	AC IN	AC power input, connects AC power supply.

Remote Control

Remote Control Button Instruction



		Function
1		Power on/off
2		Enter or exit mute mode
3	Start	PC's Windows key
4	Space	PC's Space key
5	Alt+Tab	PC's Alt+Tab key
6	Alt+F4	PC's Alt+F4 key
7	Numeric Keys	Numeric input keys
8	Display	Display channel information
9		/
10	Input	Displays the Input and Picture menu.
11	Home	Returns to the Android system main screen key
12	Menu	Displays the Settings menu.
13	Red	Enable or disable Front keyboard and Touch (when available)
14	Green	Enable or disable Front keyboard (when available)
15	Yellow	Enable or disable Touch (when available)
16	Blue	Pop out or close the screen freezing tools
17		Turn off or turn on the screen backlight
18		PC's Backspace key
19	▲	Press to scroll up
20	◀	Press to scroll left
21	▶	Press to scroll right
22	▼	Press to scroll down
23	Enter	Confirmation key, press it to confirm selection state
24		Quickly start writing software
25	Back	Return to the last operating interface
26	PgUp	Page Up
27	PgDn	Page Down
28	CH.+ / CH.-	/
29	VOL+ / VOL-	Increase/reduce the volume
30	F1-F12	PC's F1 - F12 function keys

Remote Control Instructions

Install Batteries

1. Open back cover of battery component on the back of remote control.
2. Install AAA type battery according to the corresponding electrode, make sure battery positive and negative pole are correct ("+" to "+", "-" to "-"), please do not mix using old and new batteries.
3. After battery is installed, close the back cover of battery components, and make the following clip buckled to the bottom.

Range of remote control

Remote control can work normally within the range of 8 meters distance, 30 degrees left and right from the remote control receiver. Please dispose of used batteries as directed by your local waste authority.

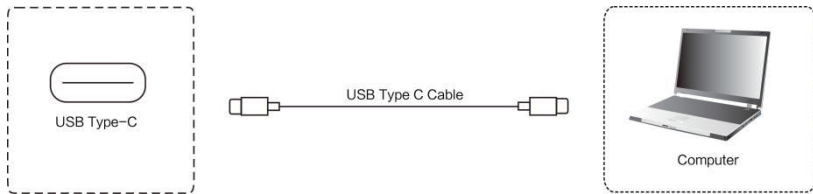


If the battery is replaced by an incorrect type, it may lead to explosion.

Connections and Settings

For the safety of you and the machine, please do not connect the power plug before connection.

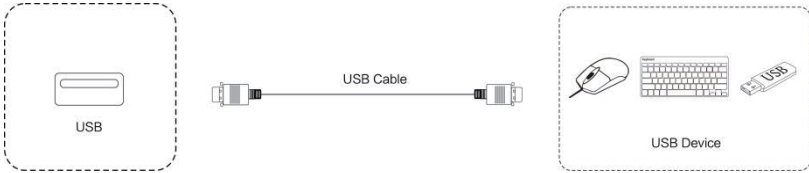
1. External Computer Connection



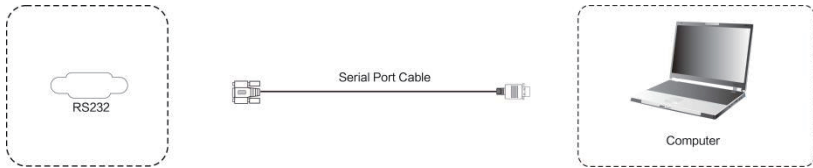
You can connect a PC to the display by:

- Using a USB Type-C cable to connect to the computer.
- Start external computer.
- Power on the display
- Press the INPUT key to switch to USB Type-C channel.

2. USB Connection

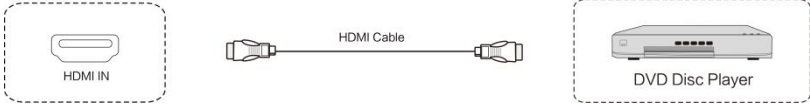



3. RS232 Connection



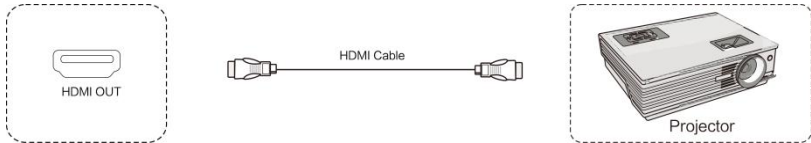
After using serial port cable to connect central control equipment and the display, certain function of the display can be controlled via central control equipment, such as: display ON/OFF, and adjustment of sound volume, input selection, etc.


4. HDMI IN Connection



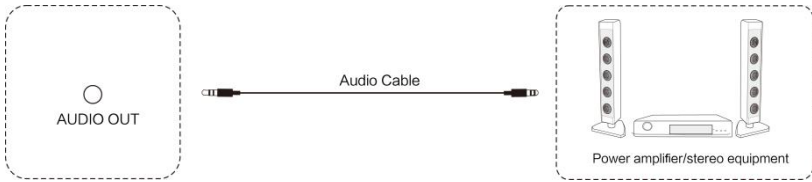
- Use HDMI cable to connect audio and video equipment with HDMI output.
- After cable connection, plug in power cord, and switch power on.
- Press  to turn equipment on.
- Switch the input source to the HDMI channel in the main menu.

5. HDMI OUT Connection

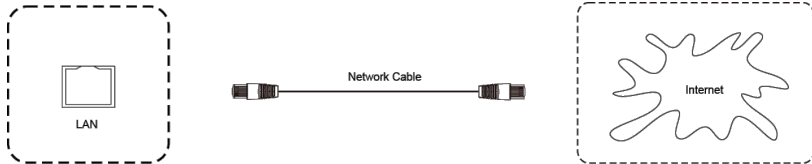


- Use HDMI cable to connect audio and video equipment with HDMI input.
- After cable connection, plug in power cord, and switch power on
- Press  to turn equipment on

6. AUDIO OUT Connection



7. LAN Connection



Troubleshooting

Machine Fails to Work Normally

Display is not responding to remote control	Check whether there are other objects between remote control and equipment control receiving window, thus leading to failure of remote control.
	Check whether the battery electrode in the remote control is correct.
	Check whether remote control needs new batteries.
Machine automatically shuts down	Check if the display is scheduled to go to sleep.
	Check if there is sudden power outage.
	The system will automatically shut down if the display is set to an external input and loses signal for 5 minutes. Please check the input and connection of the signal.

PC Mode (optional)

Signal out of range	Check whether display is set correctly.
	Check whether resolution is the best resolution.
	Adjust line and field synchronization in menu.
Background has vertical lines or streaks	Select automatic correction in menu.
	Adjust clock and phase position in menu.
Image lack of color, color is incorrect	Check whether VGA is not well connected or has quality problem.
	Adjust chromatic and brightness or contrast in menu.
Display format that is not supported	Select automatic correction in menu.
	Adjust clock and phase position in menu.

Video Function is Not Working Normally

No picture and no sound	Check whether the machine is started state.
	Check whether signal wire is properly connected, whether INPUT is corresponding to it.
	If the display is set to output the OPS-PC, check whether the OPS-PC is powered on.
With horizontal or vertical stripes or grainy images	Check whether signal wire is well connected.
	Check whether other electronic equipment or power tools are placed around the machine.
No color, color is weak, or image is weak	Adjust chromatic and brightness or contrast in menu.
	Check whether signal wire is properly connected.

Audio Function is Not Working Normally

With image but without sound	Check whether mute button is pressed for mute.
	Press VOL + /- to adjust volume.
	Check whether audio line is connected correctly.
Only one speaker has sound	Adjust sound balance in menu.
	Check whether computer sound control panel only sets up one sound channel.
	Check whether audio line is connected correctly.
HDMI output without sound	Check if an external device is connected.

Maintenance

Proper maintenance can avoid many early faults and regular careful cleaning will ensure the longevity of your display.

Please unplug the power cable before cleaning and maintenance to prevent electric shock.

Cleaning the Screen

Always try cleaning the screen with a clean, dry microfibre cloth first. If a dry cloth does not clean the screen, use a damp cloth. You may use a very small amount of dishsoap on the cloth.

Do not use commercial cleaning products on the display (glass cleaners, sanitizer, etc.)

Repeat for several times, pay attention not to squeeze water flow into machine when wiping machine.

Cleaning the Frame

Please use a dry, soft, lint- free cloth to wipe front frame.

Long Periods Without Use

If the display will be powered off for an extended period of time, please unplug the power cable to prevent any possible dangers caused by power surges.