



USER MANUAL

DS324LT4/DS432LT4/DS553LT5/DP553LT5-R

Please read this manual carefully before operating the product and keep it for future reference. The use of diagrams and illustrations in the manual are for reference only, the actual product may be different.

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MODEL

32" Models

MODEL CODE	DS324LT4
MODEL NAME	3E66450

43" Models

MODEL CODE	DS432LT4
MODEL NAME	3E67350

55" Models

MODEL CODE	DS553LT5	DP553LT5-R
MODEL NAME	3E64450	3E64450

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RECYCLING AND ENERGY INFORMATION

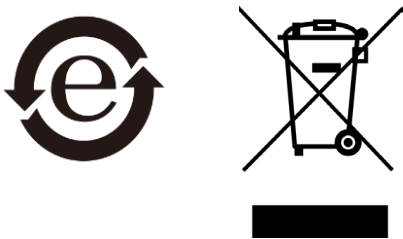
DynaScan is firmly committed to its environmental protection efforts and we believe that reducing our products' impact on the environment is of the utmost importance. We are dedicated to meet the latest environmental protection regulations.

Energy Usage

MODE	ENERGY CONSUMPTION	
	NORMAL	STANDBY
DS324LT4	Max. 145 W	< 1 W
DS432LT4	Max. 240W	< 1W
DS553LT5	Max. 260W	< 1W
DP553LT5-R	Max. 260W	< 1W

Disposal

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When replacing old appliances with new one, the retailer is legally obligated to take back your old appliances for disposal at least for free of charge.



License

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.



DECLARATION OF CONFORMITY

FCC notices (U.S. only), CE and other regulatory information

For FCC notices, CE and other regulatory information, see the regulatory compliance website located at <https://www.dynascan.com/legal/>.



SAFETY PRECAUTIONS

SAFETY SYMBOLS

The following safety instructions are to ensure your personal safety and prevent property damage.
Please read the following to ensure the proper use of the product.

SYMBOL	NAME	MEANING
	WARNING	Do NOT attempt. Failure to follow instructions may result in serious or fatal injury.
	CAUTION	Failure to follow instructions may result in personal injury or property damage.
	EMERGENCY	Unplug the LCD and contact a DynaScan certified service professional immediately if any of the following occurs
	INSTRUCTION	Follow directions.

IMPORTANT SAFETY INFORMATION

 Unplug the LCD and contact a DynaScan certified service professional immediately if any of the following occurs:

-  Damaged power cord or power plug.
-  If liquid or foreign object has entered the LCD.
-  If the LCD has been exposed to rain or water.
-  If the LCD has been dropped or the casing has become damaged.
-  If any structural damage such as cracks or unnatural vibration is found.
-  If the LCD cannot be operated following the steps outlined in this manual.
-  If the LCD emits smoke or other odors, or generates strange noises.

INSTALLATION

WARNING

-  Do not install near flammable material or any heat sources.
-  Do not defeat the safety purpose of the grounding-type plug.
-  Do not disassemble the display to avoid electrical shock or burn.
-  Normal operating condition considers installation at an altitude below 2000m. some abnormalities may be experienced when installed at an altitude above 2000m.
-  Do not place the LCD on an unlevelled surface or an unstable vehicle. The LCD could fall over and cause substantial damage.
-  Disassembling the LCD is strictly prohibited. Opening the cover may expose the user to electric shock or other hazards. Please contact DynaScan certified service professionals for all maintenance requirements.

CAUTION

-  If it gives off smoke, strange smell, or unusual noise, or when it gets too hot to touch, immediately unplug the display and contact the dealer.
-  Do not use extreme force or any sharp or pointed objects to touch the display.
-  Do not drop or allow any object to fall to the display.
-  Power supply cord must not be attached to the building surface, nor run through walls, ceilings, floors and similar openings in the building structure.

INSTRUCTION

-  Please installed the display in well-ventilated place, do not install in a confined space.
-  Suitable for mounting on concrete or other non-combustible surface only.
-  Please power off the LCD and the video source before plugging in the HDMI cable.
-  Power cord shall be connected to a socket-outlet with earthing connection.

OPERATION

WARNING

-  Do not allow any liquid to enter the LCD. Also avoid placing the LCD close to water sources.
-  Do not place heavy objects on the power cord. A damaged power cord might cause electric shock or fire.
-  Do not bend, twist, or damage the power cord.
-  Do not damage or modify the prongs/pins and the ground contact on the power cord plug.
-  Do not cover the vents and/or the heat sink.
-  Do not install the LCD beside radiators or other heat sources. The installation site should have sufficient ventilation so the heat generated by the LCD can be dissipated.
-  Do not use the Signage in a hot, humid, dusty, or fume environment.

CAUTION

-  Do not operate the display with wet hands to avoid electric shock.
-  This device uses, generates and radiates radio frequency energy. The radio frequency energy produced by this device is well below the maximum exposure allowed by Federal Communications Commission (FCC).
-  When a stationary or fixed image is displayed on the screen for a long time, the image may be permanently imprinted on the screen. This phenomenon is known as image burn-in and is not covered by the manufacturer's warranty.
-  In order to avoid burn-in, avoid prolonged display of static or fixed images on the screen.

INSTRUCTION

-  The power cord must comply with the local safety regulations.
-  Avoid displaying a stationary image for a long period of time in order to prevent image sticking.
- Do not discard this product with general household waste. Please be sure to comply with the local waste regulations.
-  Handle the LCD with care. Save the packaging materials for transport later.

CLEAN

WARNING

-  Do not use any hard material to wipe the panel.
-  Do not poke the panel with your hand or any sharp object (such as a pen or a nail) or exert excessive pressure on the panel to prevent any damage.
-  Do not use any of the following solutions to clean the casing as they may damage the paint and cause it to crack or peel: benzene solution, alkaline solution, alcohol-based cleaning solution, glass cleaner, wax, polisher, or detergent.
-  Do not use any cleaning solutions on the panel as it might cause discoloration.

CAUTION

-  Clean only with soft, dry cloth but not use chemical liquids, and unplug while cleaning.
-  Clean the LCD backside at least once a month for dust and other particles.

INSTRUCTION

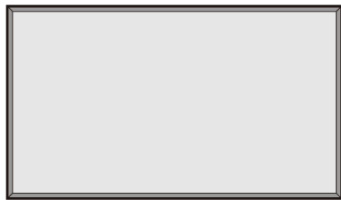
-  When cleaning the panel, use a soft, lint-free cloth to gently wipe the dust off the screen.
-  When cleaning the casing, unplug the power cord and gently wipe it with a soft cloth.

GETTING STARTED

CONTENTS

Confirm that the accessories below are shipped along with the display. If any item is missing, please contact your dealer. The color and shape of the accessories may vary with the products.

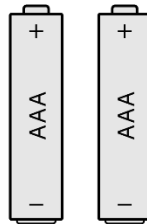
Professional LCD x 1 pc.



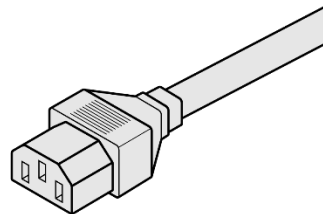
Remote Control x 1 pc.



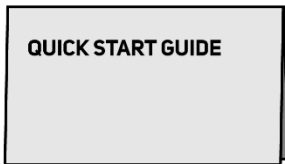
Batteries (1.5V / AAA) x 2 pcs.



Power cable x 1 pc.



Quick Start Guide x 1 pc.

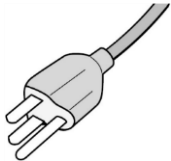
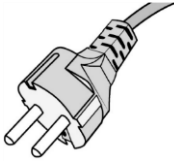
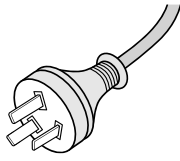
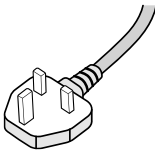
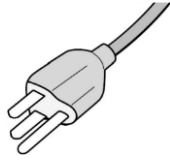


ESK302 x 1 pc.



POWER CORD

Attention: Please use the following table to check whether the included power cord is suitable for your region.
If the power cord does not match your region, please contact your local supplier. Please use matching AC socket in order to meet your local safety regulations.

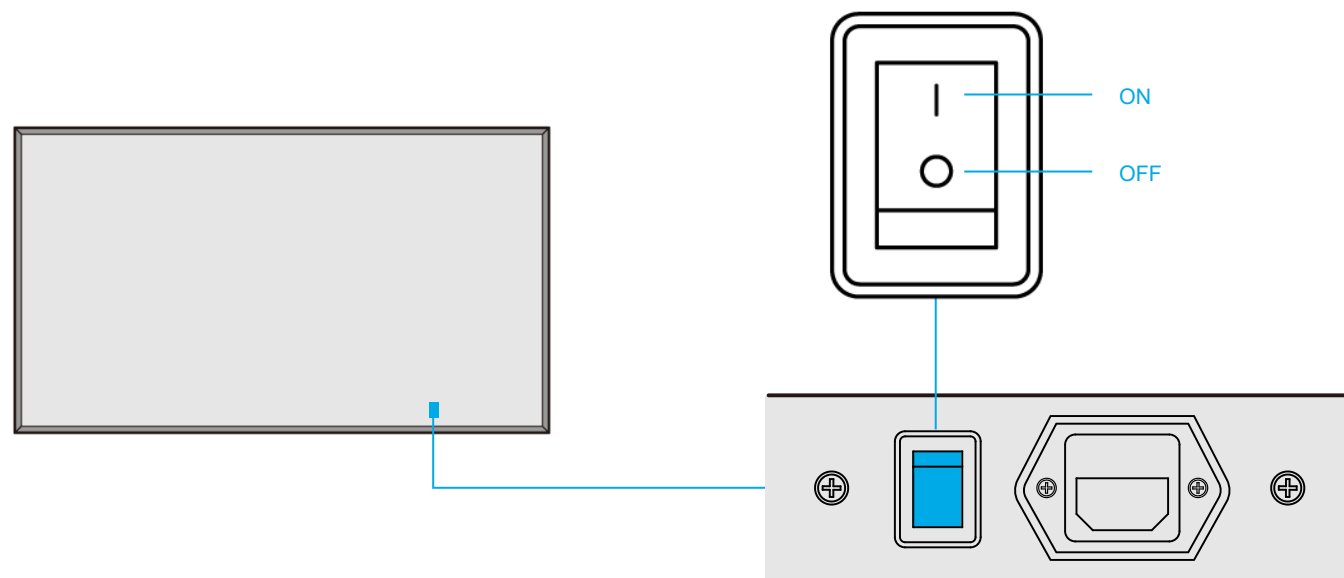
	NORTH AMERICA	EUROPEAN CONTINENTAL	AUSTRALIA	UNITED KINGDOM	TAIWAN
PLUG SHAPE					
REGION	U.S.A. / Canada	EU (Except U.K.)	Australia / New Zealand	United Kingdom	Taiwan
VOLTAGE	120V	230V	230V	230V	110V
PLUG TYPE	NEMA 5-15	CEE 7/7	AS/NZS 3112	BS 1363	NEMA 5-15
IEC DISPLAY PLUG					
IEC PLUG TYPE	IEC320 C13				

OPERATING INSTRUCTIONS

POWERING ON/OFF THE DISPLAY

To turn on/off the display, press the power switch on the side of the display as shown in the diagram below.

Note: The remote control only works when the power switch is ON.



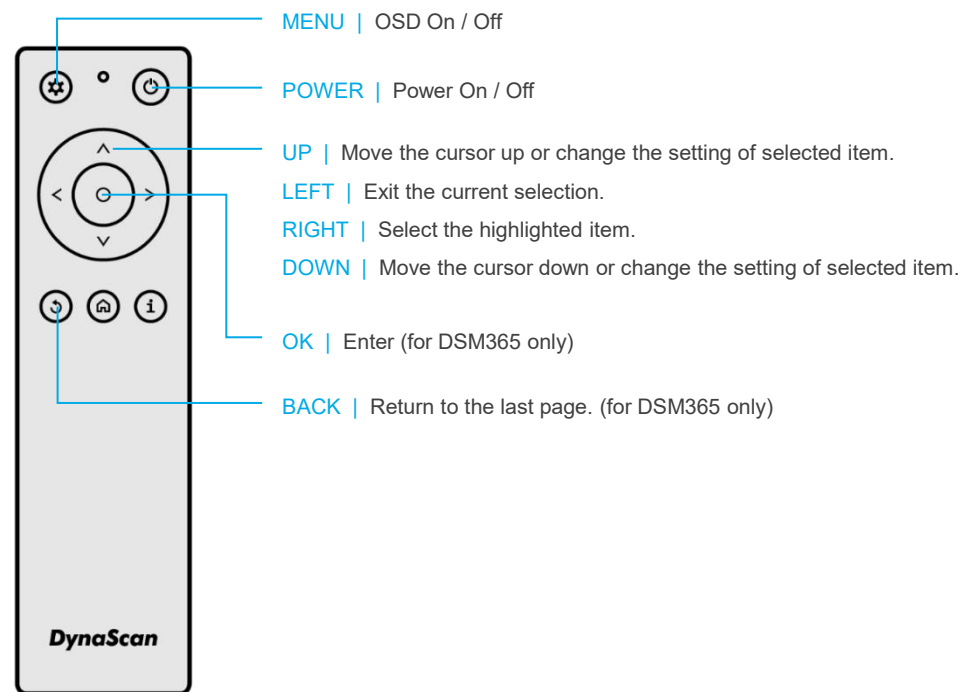
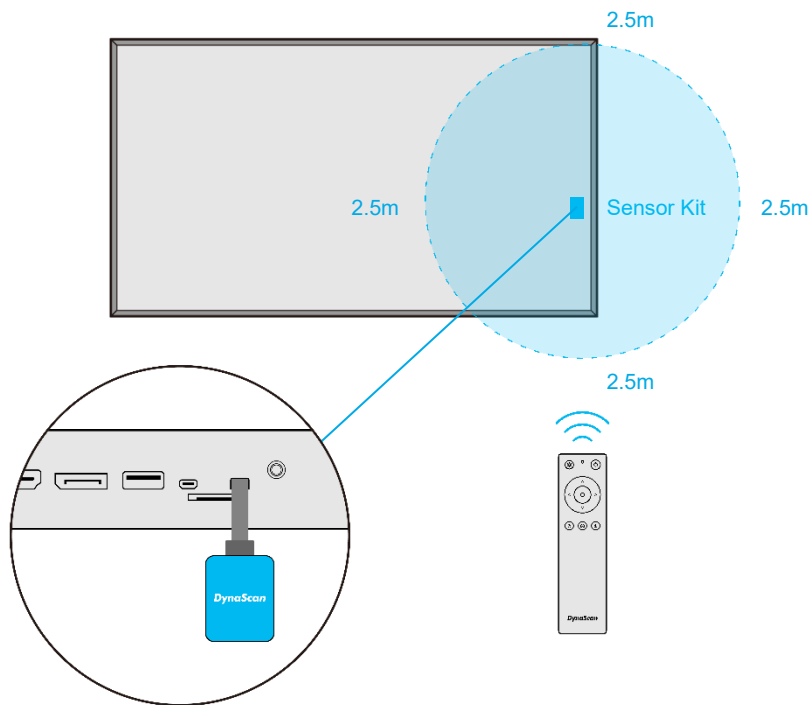
USING THE REMOTE CONTROL

Connection using an external sensor kit (ESK302)

Connect the ESK302 cable to the mini USB port on the side of the display, and aim the remote at the IR receiver as shown below. Meanwhile, the IR receiver on the display will be disabled.

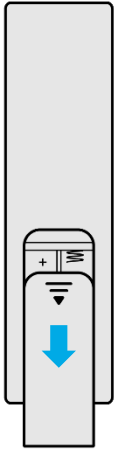
The operating range of the remote control is 2.5 meters (8 feet).

Note: Ambient light may affect the performance of the remote control. Avoid fluorescent or neon lights in the vicinity.

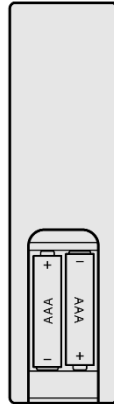


INSTALLING AND REPLACING REMOTE CONTROL BATTERIES

1. Open the battery compartment cover.



2. Insert 2 new AAA batteries.



3. Close the battery compartment cover.

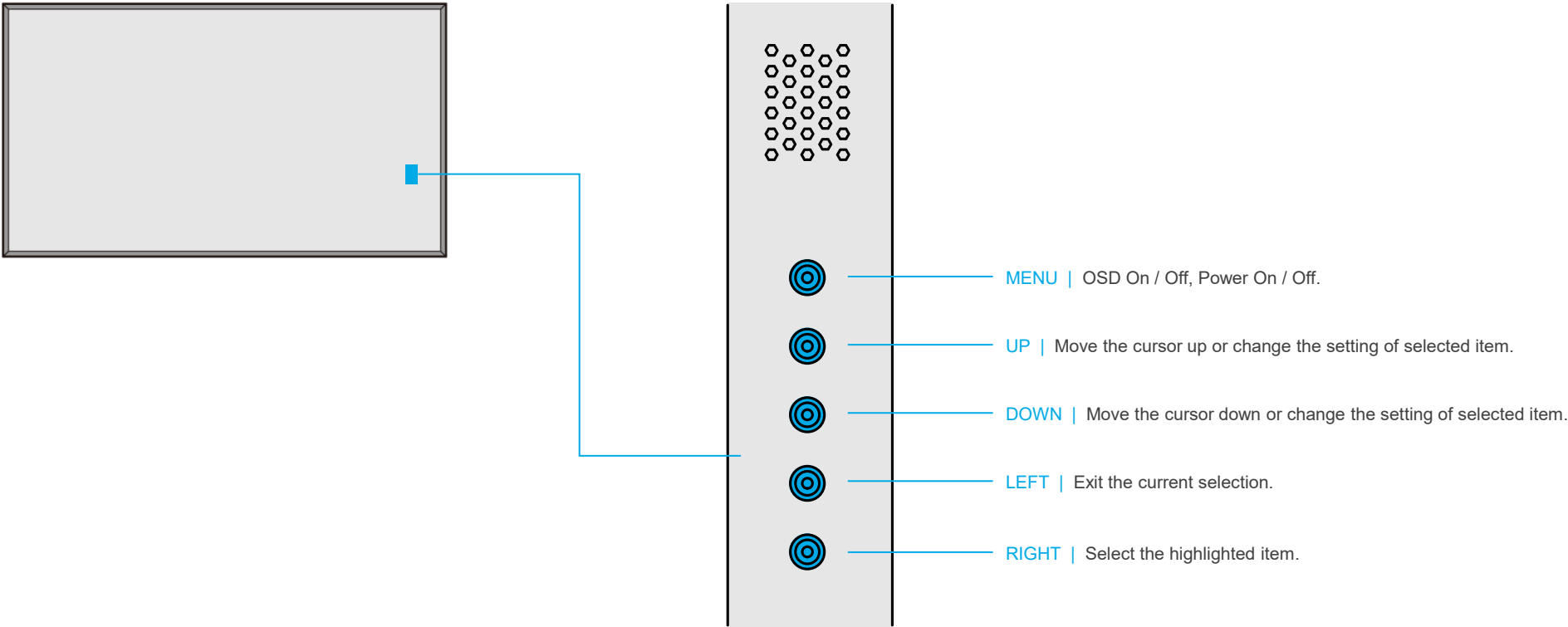


Warning:

- Incorrect usage of batteries may cause leakage or explosion.
- Pay attention to the polarity when installing the batteries.
- Do not mix different types of batteries or new and used batteries. Doing so may shorten the battery life or cause leakage.
- Remove or replace the batteries when they are empty in order to prevent acid leaking in the battery compartment.
- Do not touch the leaked substance from the batteries in case of a battery leakage. Doing so may hurt human skin.

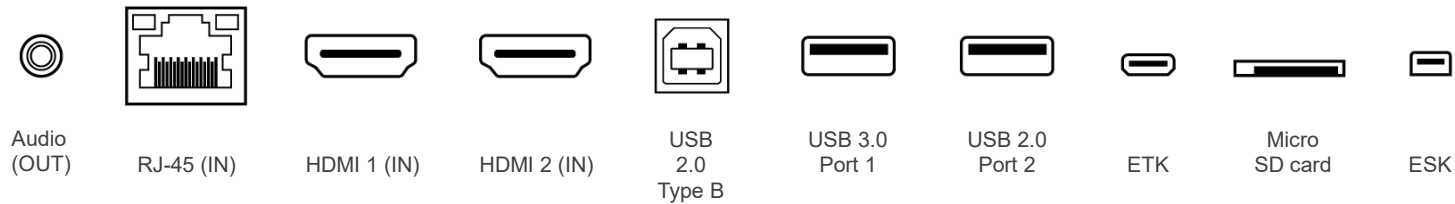
Note: If the remote control is not going to be used for a long time, we recommend removing the batteries from the remote control.

USING THE BUILT-IN KEYPAD



INPUT / OUTPUT TERMINALS (PORT)

DS324LT4/DS432LT4/DS553LT5/DP553LT5-R



PORT	DESCRIPTION
Audio (OUT)	Connect the audio signal output from Audio IN jack to an external AV device.
RJ-45 (IN)	RJ45 network input connection.
HDMI 1 (IN) HDMI 2 (IN)	Connect the HDMI output of a PC or an AV device via a HDMI cable.
USB 2.0 Type B	USB2.0 Type B network input connection for remote control from PC. (USB-serial ch340)
USB 3.0 Port 1 USB 2.0 Port 2	Support for USB flash drive storage, mouse and keyboard.

PORT	DESCRIPTION
ETK	Extension Connector for optional Extension thermal kit (ETK302).
Micro SD card	Support for up to 128GB, FAT32 format is supported.
ESK	Extension Connector for optional IR Extension sensor kit (ESK302).

INSTALLATION

The LCD must be properly installed using a wall mount. Incorrect installation may cause injury or damage the equipment. Product warranty does not cover the damage caused by improper installation and DynaScan shall not be held responsible in such incident. Refer to the mount manufacturer's instructions for proper installation.

MOUNTING

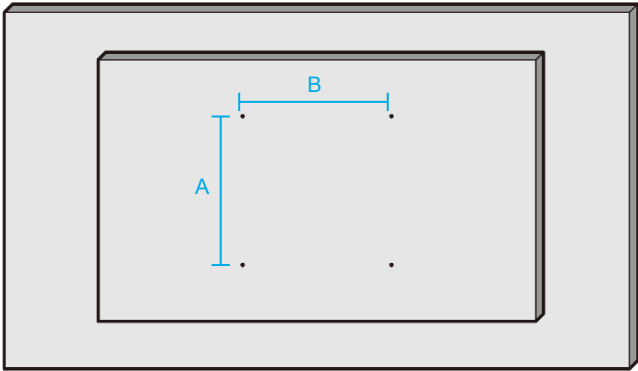
- Hanging the Professional LCD from the ceiling or mounting it on the wall is the responsibility of the user. Not all ceilings or walls provide enough strength to support the LCD. The LCD may drop and cause serious injury if it is hanging from the ceiling with insufficient support or is mounted on a slanted wall. Product warranty does not cover improper installation, modification, or damage caused by natural disasters. DynaScan recommends having certified professionals to evaluate the installation site and perform the mounting operation.
- Do not to cover the vent and/or the heat sink in order to ensure proper heat dissipation.
- Refer to the installation guide provided by the manufacturer for proper mounting.

When mounting on a wall or hanging from a ceiling

- A wall mount is not included in the accessory. Please purchase a VESA Standard wall mount to secure the LCD. DynaScan is not responsible for the damage caused by using non-standard wall mounts.
- Verify that the mounting location can support the weight of the LCD before installation.
- The installation angle must be within 15 degrees of the vertical axis.
- Do not install the wall mount while the power is turned on as it may cause serious injury due to electrical shock.

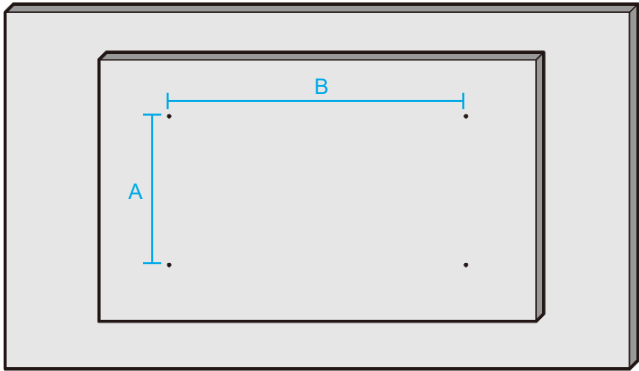
Note: If the remote control is not going to be used for a long time, we recommend removing the batteries from the remote control.

DS324LT4



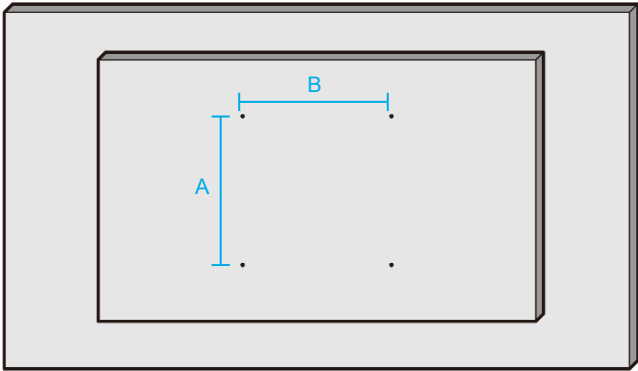
MODEL	VESA (mm)		SCREW SPECIFICATION	SCREW LENGTH (Not including wall mount thickness)	NUMBER
DS324LT4	(A * B)	200*200	M6	Greater than 10mm Smaller than 12mm	4

DS432LT4



MODEL	VESA (mm)		SCREW SPECIFICATION	SCREW LENGTH (Not including wall mount thickness)	NUMBER
DS432LT4	(A * B)	200 * 400	M6	Greater than 10mm Smaller than 12mm	4

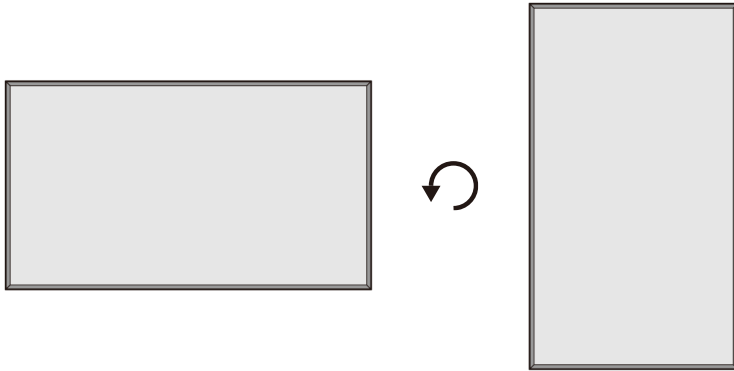
DS553LT5/DP553LT5-R



MODEL	VESA (mm)		SCREW SPECIFICATION	SCREW LENGTH (Not including wall mount thickness)	NUMBER
DS553LT5	(A * B)	400 * 400	M6	Greater than 10mm Smaller than 12mm	4
DP553LT5-R	(A * B)	400 * 400	M6	Greater than 10mm Smaller than 12mm	4

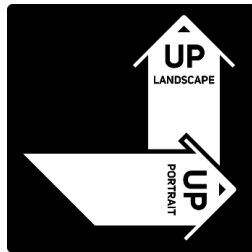
Orientation

- When used in the portrait orientation, the LCD should be rotated clockwise when looking at the front of the display such that the left edge becomes the top edge.



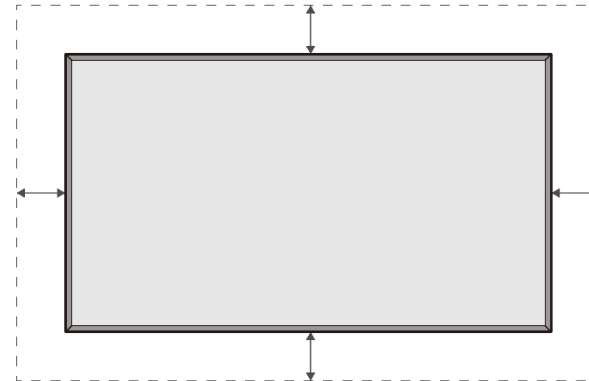
Portrait mode: Rotate the set clockwise 90° (mandatory)

- The orientation sticker can be found on the rear of display, which is for distinguishing the direction of installation.



Installation Location

- The wall and mount must have enough strength to support the LCD and its accessories.
- Do not install in a location with strong vibrations or dusty.
- Do not install near the building's main electric panel.
- Ensure the LCD is secured in such a manner that it cannot be easily removed by the general public.
- Leave clearance around the outer edge of the LCD (or video wall matrix) from other objects to ensure proper ventilation



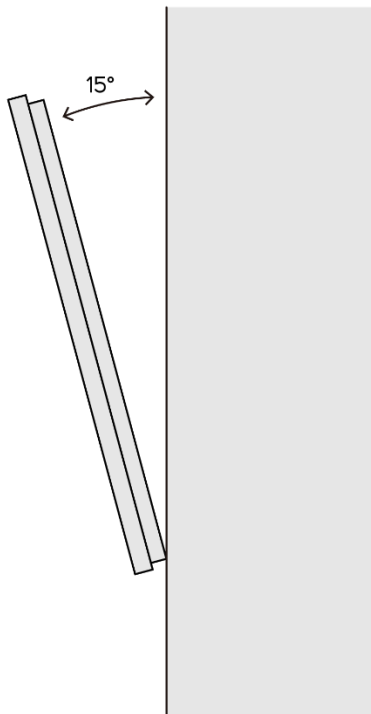
Single Display

Maintenance

- Inspect the fasteners regularly for signs of loosening or deformation. Please perform appropriate corrective measures when a problem is identified. Neglecting the problem may worsen the situation.
- Increase the inspection frequency on areas where previous maintenance had occurred to ensure the problems do not occur again.

WALL MOUNTING

- A wall mount is not included. Please purchase a VESA Standard wall mount to secure the LCD. DynaScan is not responsible for damages caused by using non-standard wall mounts.
- Verify that the mounting location can support the weight of the LCD before installation.
- The installation angle must be within 15 degrees of the vertical axis.
- Do not install the wall mount while the power is turned on as it may cause serious injury from electrical shock.



CONNECTING AN EXTERNAL VIDEO SOURCE

Turn OFF the power of both the LCD display and the external video device. Using an HDMI cable, connect one end to the HDMI 1-IN or HDMI 2-IN port as shown in the diagram below. Connect the other end of the HDMI cable to the HDMI output of the video source device. Refer to the video source device's user manual for additional information.



SPECIFICATIONS

MODEL NAME		DS324LT4	DS432LT4	DS553LT5	DP553LT5-R
PANEL	LCD Panel Size	31.55 inches	43 inches	55 inches	55 inches
	Native Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Brightness	2500 nits	2500nits	4000nits	4000nits
	Contrast Ratio	1,300 : 1	4,000 : 1	1,200:1	1,200:1
POWER	Rated Voltage	100 - 240V, 50 / 60Hz	100 - 240V, 50 / 60Hz	100 - 240V, 50 / 60Hz	100 - 240V, 50 / 60Hz
	Power Consumption (Typ. / Max.)	Typ. 145W Max. 145W	Typ. 220W Max. 240W	Typ. 160W Max. 260W	Typ. 160W Max. 260W
MECHANICAL SPECS	Monitor Dimension (L x H x D)	719.6x415.7x76.6 mm	962.1 x 552.0 x 77.4 mm	1239.3 x 710.3 x 87.5 mm	1239.3 x 710.3 x 87.5 mm
	Monitor Weight (Set / Package)	9.8 kg / 11 kg	18.1 kg / 21.5 kg	27.1 kg / 32.1 kg	27.1 kg / 32.1 kg
	VESA Mounting (Dimension)	4 Holes (200 x 200 mm)	4 Holes (200 x 400 mm)	4 Holes (400 x 400 mm)	4 Holes (400 x 400 mm)
ENVIRONMENT	Operation Temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
	Storage Temperature	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
	Humidity	10%~80% RH Non-Condensing	10%~80% RH Non-Condensing	10%~80% RH Non-Condensing	10%~80% RH Non-Condensing

MODEL NAME		DS324LT4	DS432LT4	DS553LT5	DP553LT5-R
I/O Ports	HDMI	IN x 2	IN x 2	IN x 2	IN x 2
	Audio	OUT x 1	OUT x 1	OUT x 1	OUT x 1
	USB 2.0 Type B	x 1	x 1	x 1	x 1
	USB 3.0 Port	IN x 1	IN x 1	IN x 1	IN x 1
	USB 2.0 Port	IN x 1	IN x 1	IN x 1	IN x 1
	RJ-45	IN x 1	IN x 1	IN x 1	IN x 1
	Micro SD card	x 1	x 1	x 1	x 1
	ETK	IN x 1	IN x 1	IN x 1	IN x 1
	ESK	IN x 1	IN x 1	IN x 1	IN x 1
Fuse		5A	5A	6.3A	6.3A

INPUT MODE

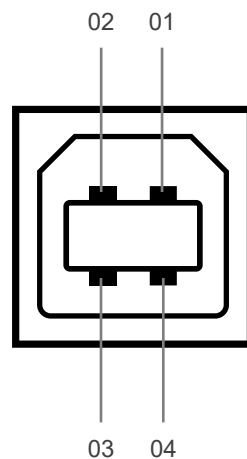
DS324LT4/DS432LT4/DS553LT5/DP553LT5-R

ACTIVE RESOLUTION		REFRESH RATE
H PIXELS	V LINES	
640	480	60 Hz
720	480	60 Hz
800	600	60 Hz
960	600	60 Hz
1024	768	60 Hz
1280	720	60 Hz
1280	768	60 Hz
1280	960	60 Hz
1280	1024	60 Hz
1366	768	60 Hz
1400	1050	60 Hz
1440	900	60 Hz
1600	1200	60 Hz
1680	1050	60 Hz
1920	720	60 Hz
1920	1080	60 Hz

PIN ASSIGNMENTS

USB 2.0 TYPE B INPUT

PIN NO.	NAME
01	VCC
02	D-
03	D+
04	GND



TROUBLESHOOTING

ISSUE	RECOMMENDED SOLUTION
No image is displayed.	– Check whether the cable is completely plugged in. – Check whether the main switch is in the ON position, and the power cord is completely plugged in. – Check whether the image source's resolution is set as the supported format (refer to section "Input Mode", p.24). – Check whether the cable is damaged or bent excessively.
Nothing happens when switching the main switch on.	– Unplug the power cord from the socket and plug it in again after a few seconds to reset the Signage. Note: Unplugging the power cord will not change the settings.
Image is unstable.	– Check whether the cable is completely plugged in.
The remote control does not work.	– Check whether there are batteries in the remote control. – Check the batteries for freshness, polarity, etc. – Check whether the remote is in the operation range. – Bright light may interfere with the remote control. Please avoid using the remote
Auto on/off does not work or does not function properly.	– Check whether the TIMER setting in the menu is set to "OFF". – Check whether the "Power On Time" and "Power Off Time" settings are set correctly.

If you are still having trouble with your DynaScan DS² Professional LCD, contact your dealer or DynaScan directly for more assistance.

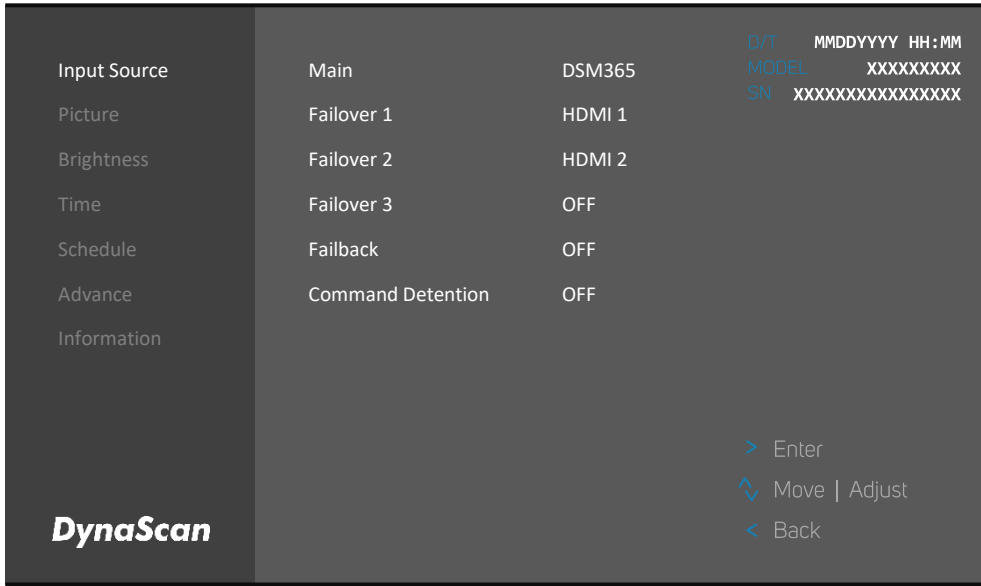
ABOUT DSM365

DSM365 is an internal operating system as Android, which can install the applications via USB flash drive storage, SD card or Internet.

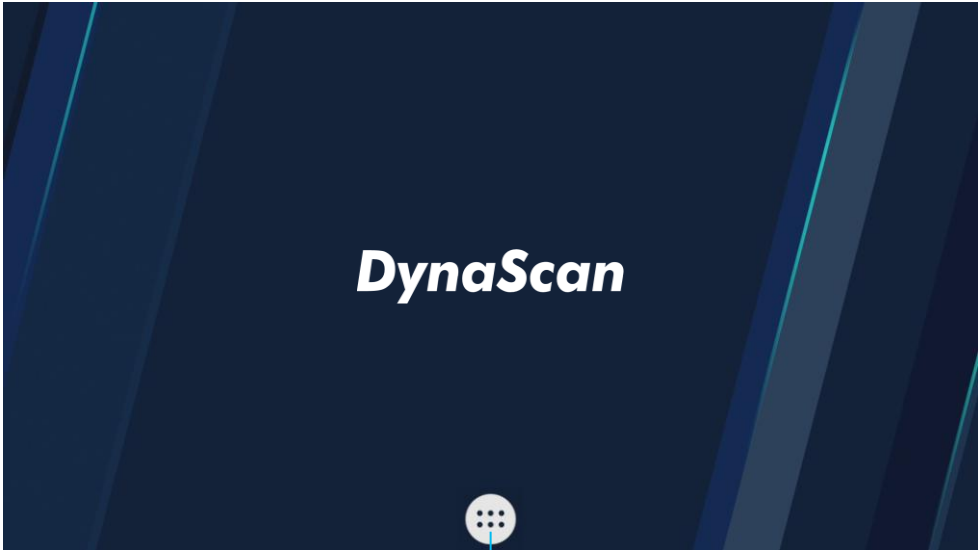
HOW TO SWITCH TO DSM365

- Press the MENU button on either the rear panel control or remote control to show the OSD.
- Use the navigation arrows to select and adjust the Input Source.

[Input Source → Main → DSM365]



Note: The displayed image may differ depending on the model.



APPS | Show the Installed APPS.

OSD VERSION

HOW TO CHECK OSD VERSION

- Press the MENU button on either the rear panel control or remote control to show the OSD.
- Use the navigation arrows to select and adjust the Input Source.

[Information → FW Version]

Input Source

Picture

Brightness

Time

Schedule

Advance

Information

ResolutionDSM365

MCB VersionMCB Number

FW VersionFW Number

OS VersionOS Number

Thermal Kit Temp.NA

D/TMMDDYYYY HH:MM

MODELXXXXXXXXX

SNXXXXXXXXXXXXXXXXX

> Enter

↕ Move | Adjust

< Back

DynaScan

OSD MANUAL

- Check the FW Version number on the display
- Click on the following FW Version number to link to the OSD Manual.

Download OSD Manual

[FW Version 10300](#)

[FW Version 10400](#)

www.dynascan.com

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