User Guide

ActivPanel Touch

Promethean

ActivPanel Touch

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Contents

Welcome 4

Safety Information 4

Environmental Considerations 6

Interfaces 6

Setup 8

Power 9

Controls 10

Control Panel 10

Remote Control 11

Operation 12

Basic 12

Menu Operations 13

USB Multimedia 15

Touch 16

Cleaning 17

Troubleshooting 17

Specification 18

Compliance Statements 19

Notes 20

Welcome

Thank you for purchasing an ActivPanel Touch from Promethean, and welcome to an exciting new interactive multi-touch surface that will engage your students and support your teaching.

Your new ActivPanel Touch has been carefully designed to provide the clearest possible image for your students. Its wide visibility angle means that even the students at the edges of the room will be able to see the whole image, and its low-reflectivity surface will counter glare from windows or lights in the room to ensure that nothing is missed, no matter where a student sits. The glass itself has been specially produced to be smooth to the touch and, combined with the super-fast response time, will provide a screen that will be a pleasure to use throughout the school day.

The ActivPanel Touch offers a wide range of inputs, including both traditional VGA and also HDMI for the highest-quality image from an attached computer or external video source. The integrated speakers provide room-filling sound to make the most of computer effects, music or film audio.

Whether used by you as a teacher alone, or as a group surface on which students can work collaboratively, we are sure that you will quickly come to appreciate and enjoy your Promethean ActivPanel Touch.

Safety Information

Read and understand all safety information, operating instructions, and product labels

before operating the ActivPanel Touch.

Keep this guide in a safe place for future reference.

<table>
<tr><td colspan="2">WARNING:</td><td colspan="3">To reduce the risk of fire or electric shock, do not expose this product to smoke, rain, dust or moisture!</td></tr>
<tr><td> </td><td>CAUTION
Risk of electric shock
do not open</td><td> </td><td> </td><td rowspan="2">The lightning flash with arrow-head symbol, within an equilateral triangle, is intended to alert the user to the presence of “dangerous voltage” within the product’s enclosure that may be sufficient to constitute a risk of electric shock to persons.

The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions.</td></tr>
<tr><td>Caution:</td><td colspan="2">To reduce the risk of electric shock, do not remove cover (or back).

No user-serviceable parts inside. Refer servicing to qualified service personnel.</td><td> </td></tr>
</table>

This product is designed and manufactured to operate within defined design limits, and misuse may result in electric shock or fire.

The installation of this product should be completed by a Promethean Certified Installer.

Use of components not supplied by Promethean or not meeting minimum specifications may impact performance and affect the warranty. For Promethean Warranty Terms and Conditions, please visit www.PrometheanWorld.com/ActivCare

Safety Information

- Inspect the ActivPanel Touch for any physical damage to the casing before use. If damage is apparent, take care to avoid contact with any potentially live parts.
- Do not under any circumstances try to gain access to internal parts of the ActivPanel Touch. If you suspect that the device is damaged or faulty, you should contact Technical Support, or an authorised Promethean service agent for advice.
- Always use accessories recommended by Promethean to ensure compatibility.
- Only use the power cable that is compatible with your mains outlet socket. If you are unsure of the electrical compatibility of your equipment, please contact Promethean or an authorised Promethean service agent before attempting to connect the device to the mains supply.
- Use a wall socket that is close to the ActivPanel Touch and that is easily accessible.
- Firmly insert the power plug into the wall socket. Partial connection could cause sparks or fire.
- To avoid the risk of electric shock or component damage, disconnect the ActivPanel Touch from the power supply before plugging in any other cables.
- To avoid the risk of electric shock, do not touch the power plug with wet hands.
- Hold the power plug when unplugging the device. Pulling the power cable may damage the wires inside the cable and cause fire or electric shock.
- Unplug the power plug before cleaning the ActivPanel Touch.
- Do not use any liquid or a spray cleaner when wiping the device. Use a slightly damp cloth. Never use any alcohol-, solvent-, or ammonia-based liquid when wiping the screen. Do not use abrasive cleaners.
- When moving the ActivPanel Touch from an area of low temperature to one of high temperature, condensation may form on the housing. Do not power on the device immediately after this to avoid causing fire, electric shock or component damage.
- To avoid electric shock, avoid handling the power cable during electrical or thunder storms.
- Unplug the ActivPanel Touch during a lightning storm or when it will not be used for a long period of time. This will protect the device from damage due to power surges.
- Do not place the ActivPanel Touch in front of an air conditioning unit to avoid condensation which could cause fire, electric shock or component damage.
- The ventilation holes in the housing are designed to protect the ActivPanel Touch against overheating. Be careful not to block them.
- Do not embed the ActivPanel Touch in a cabinet, unless the cabinet is well ventilated.
- Do not put the ActivPanel Touch on or beside any radiator or heater.
- Never insert any sharp or metal objects into the ventilation holes or signal joints of the ActivPanel Touch.
- Never place, spill or pour any liquid on any part of the ActivPanel Touch. The device could short circuit causing a fire or electric shock.
- Do not use your fingers or any other hard object to knock, press on or scratch the screen of the ActivPanel Touch.
- Do not put any flammable or explosive objects near the ActivPanel Touch.

The remote control operates on 2 x AAA alkaline batteries.

- Risk of explosion if batteries are replaced with incorrect type!
- Incorrect polarity may cause damage or leakage of the batteries, operating injury and contamination of the remote control.
- Keep new and used batteries away from children and pets.
- If the battery compartment does not close securely, stop using the remote control and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

If any of the following occurs, please contact Technical Support:

- The power cable fails or frays.
- Liquid sprays, or any object drops, into the ActivPanel Touch.
- The ActivPanel Touch is exposed to rain or moisture.
- The ActivPanel Touch is dropped or damaged in any way.
- The ActivPanel Touch emits abnormal sounds.
- The ActivPanel Touch emits smoke or odour.
- The performance of the ActivPanel Touch changes substantially.

Environmental Considerations

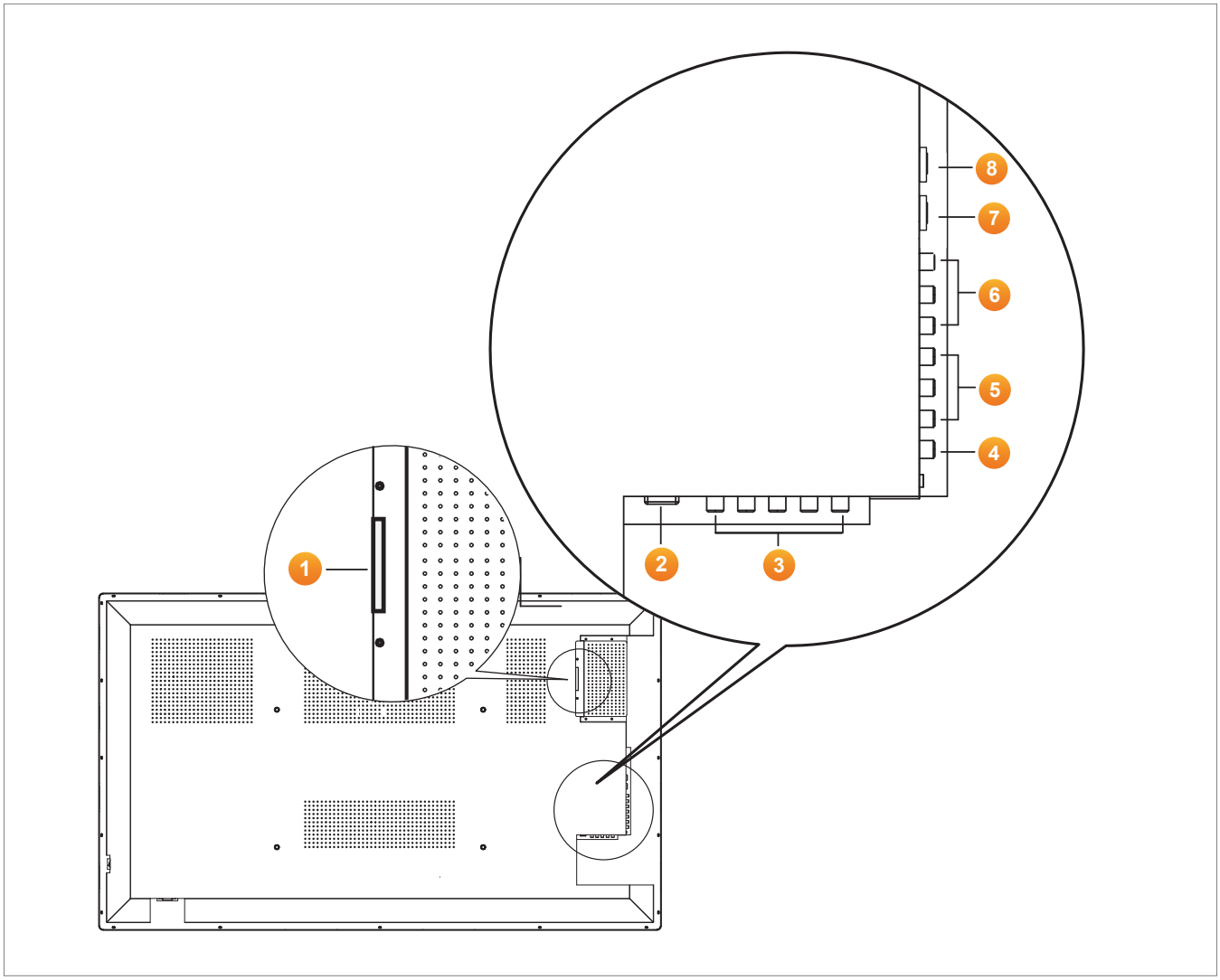
Temperature:

- Operating: 5°C to ~ +40°C
- Storage: -20°C to ~ +55°C

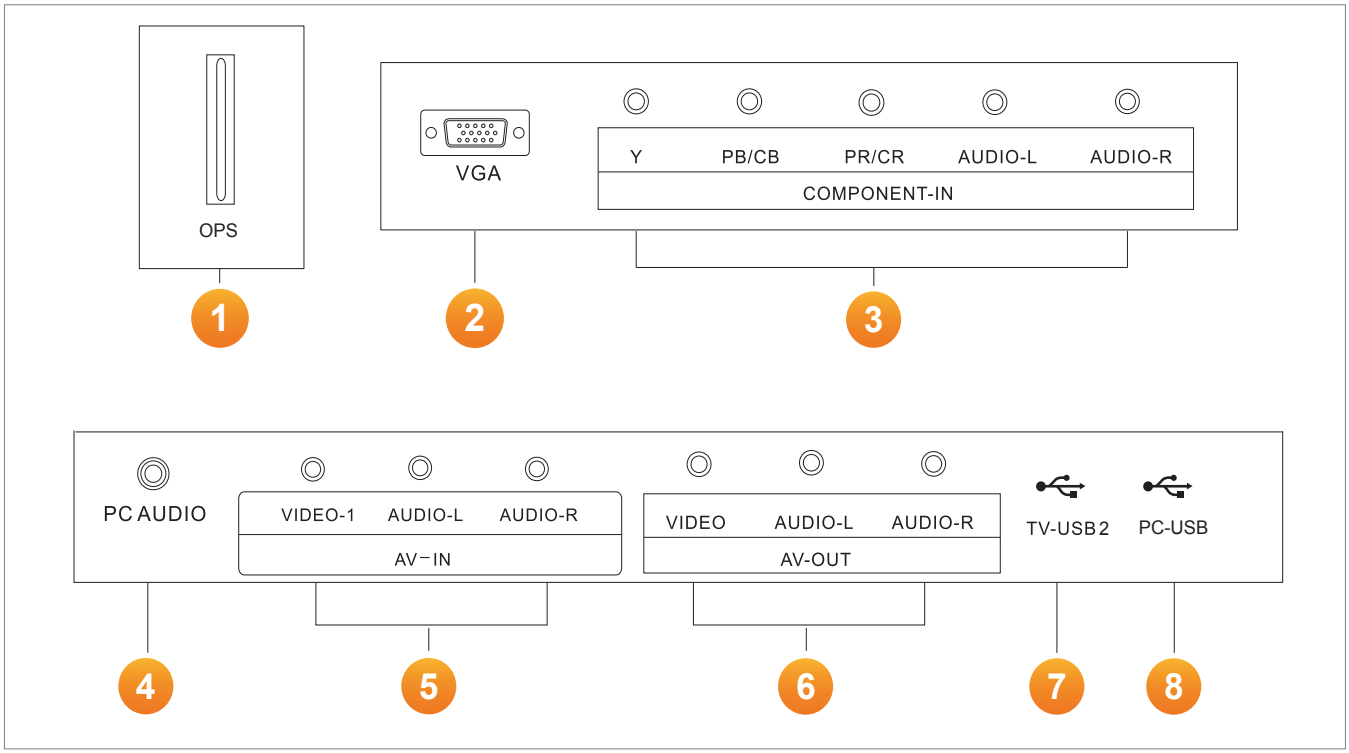
Relative Humidity (non condensing):

- Operating: 10% to ~85%
- Storage: 5% to ~95%

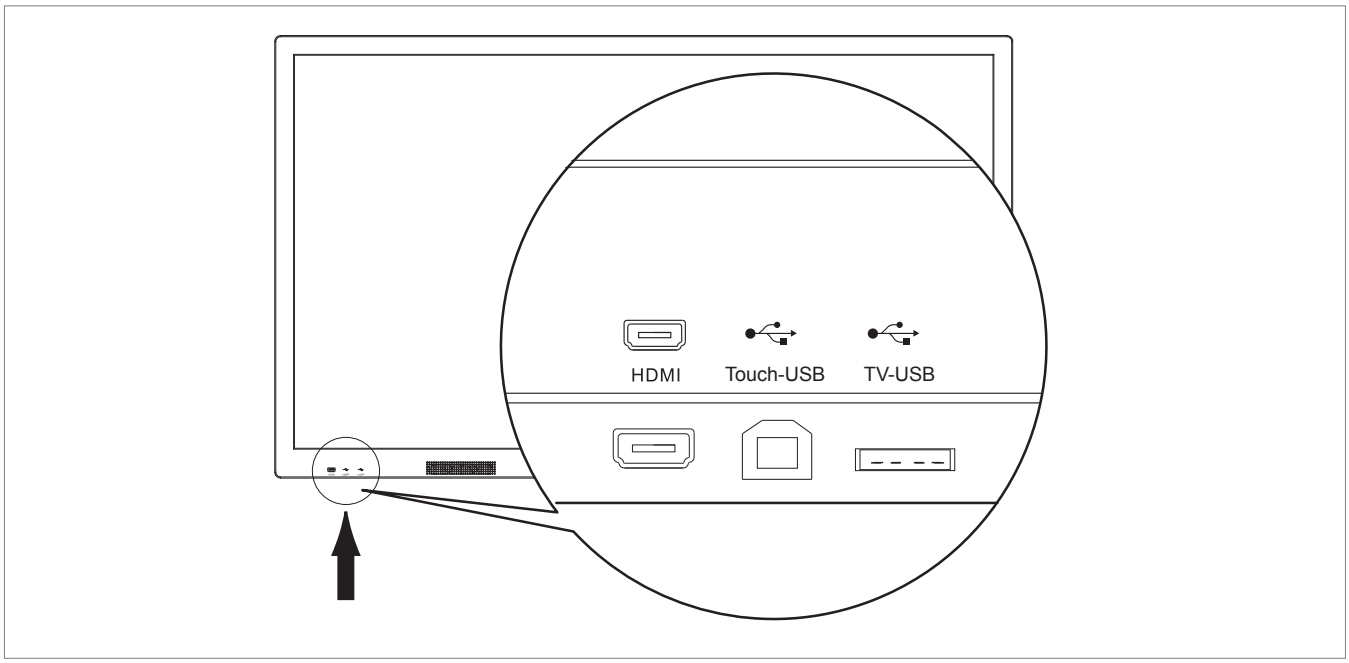
Interfaces

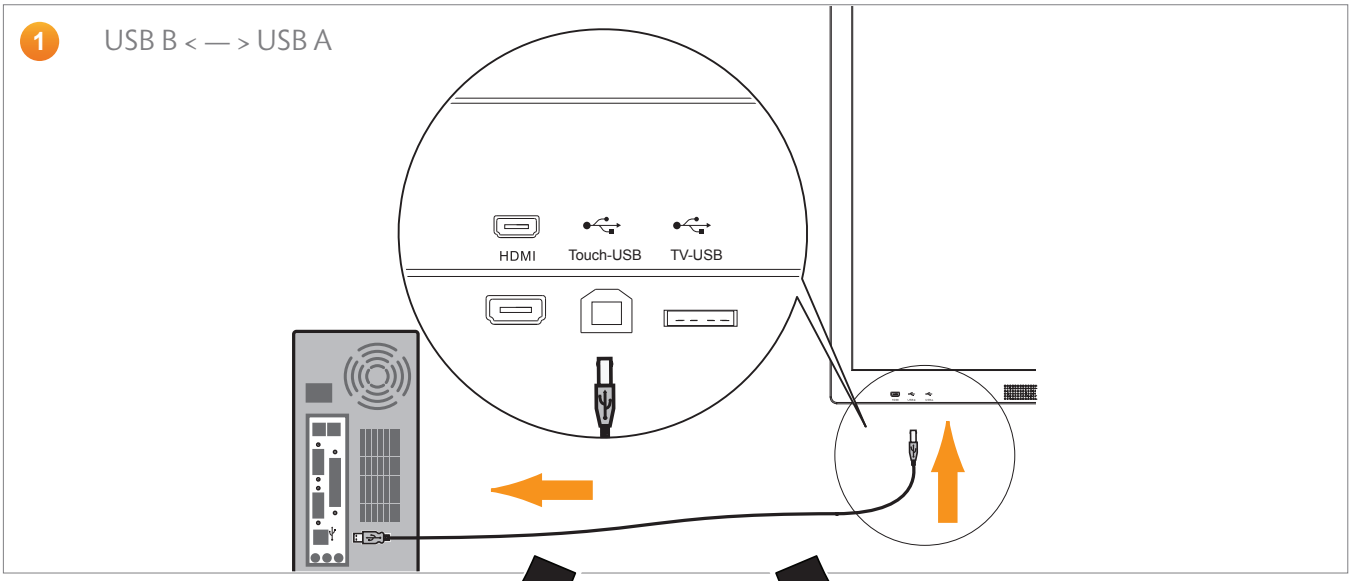


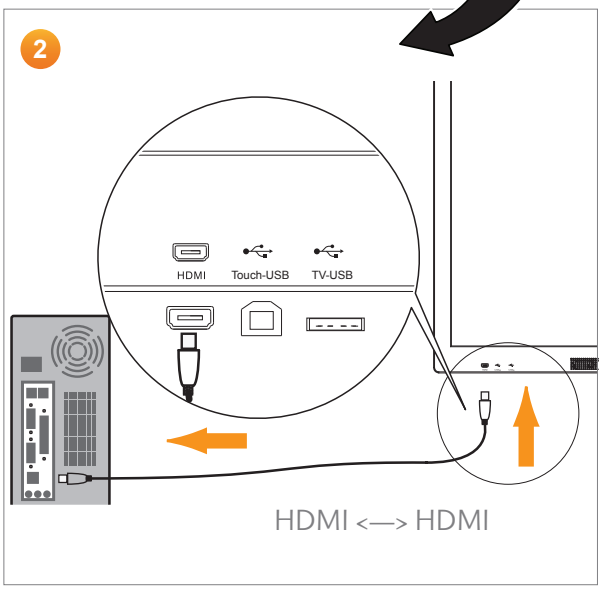
Interfaces



1	OPS (Open Pluggable Specification)	5	Audio Visual Input
2	VGA	6	Audio Visual Output
3	Component Input	7	TV-USB 2
4	PC Audio	8	PC-USB




1
USB B < — > USB A
HDMI
Touch-USB
TV-USB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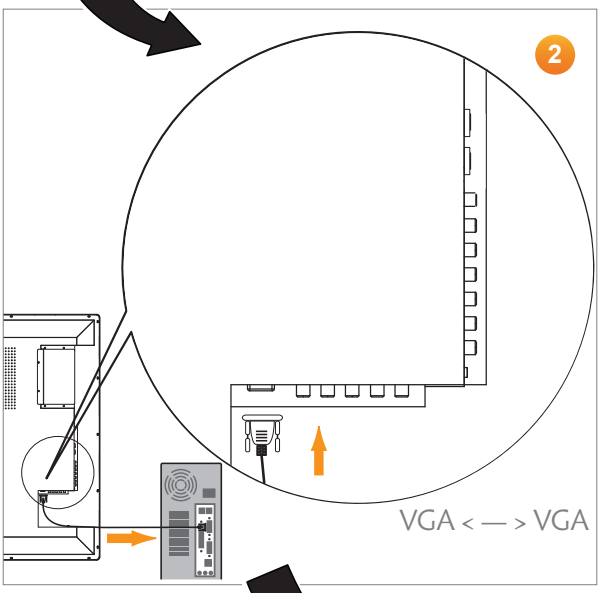
HDMI
Touch-USB
TV-USB
HDMI <—> HDMI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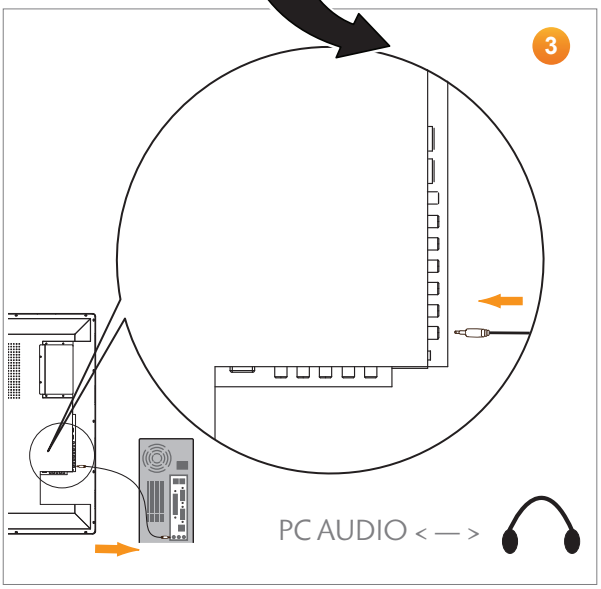
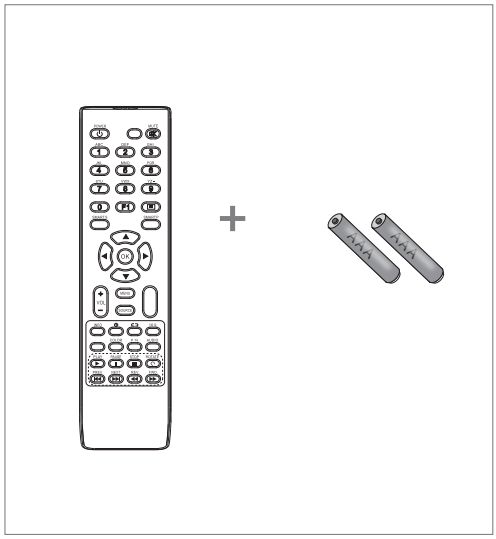
VGA < — > VGA


3
PC AUDIO < — >

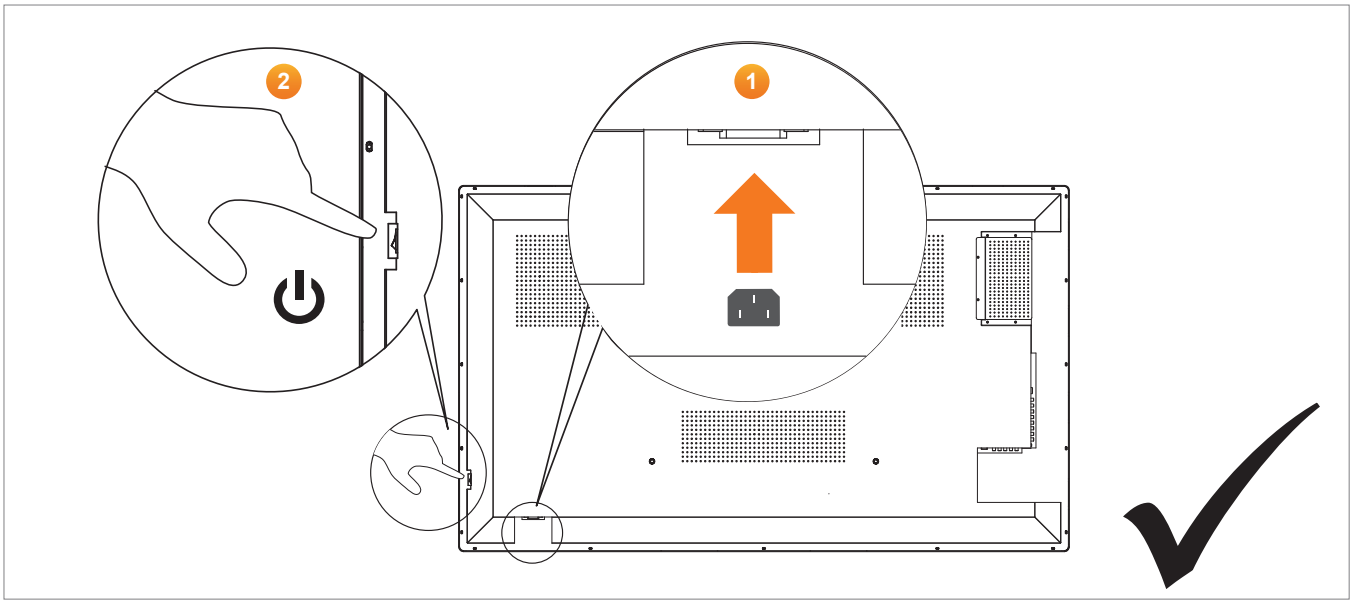


Please insert two AAA batteries into the remote control.

Make sure that you match the (+) and (-) symbols on the batteries with the (+) and (-) symbols inside the battery compartment.

On completion, close the battery cover.

Power

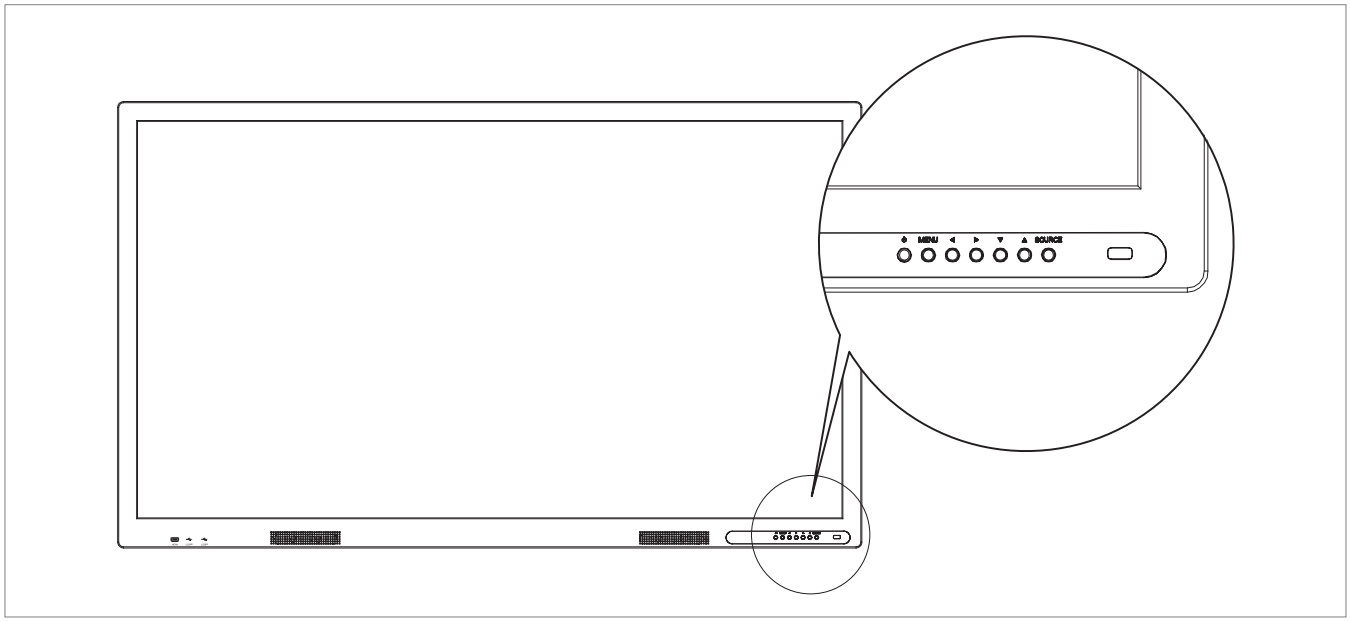


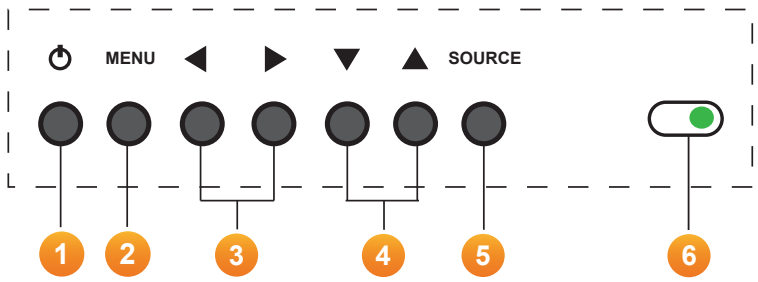
You can control the ActivPanel Touch in two ways:

- With the buttons on the control panel at the front of the device.
- With the buttons on the remote control.

You can access basic controls, as well as On-Screen Display (OSD) menus for fine-tuning audio and visual settings.

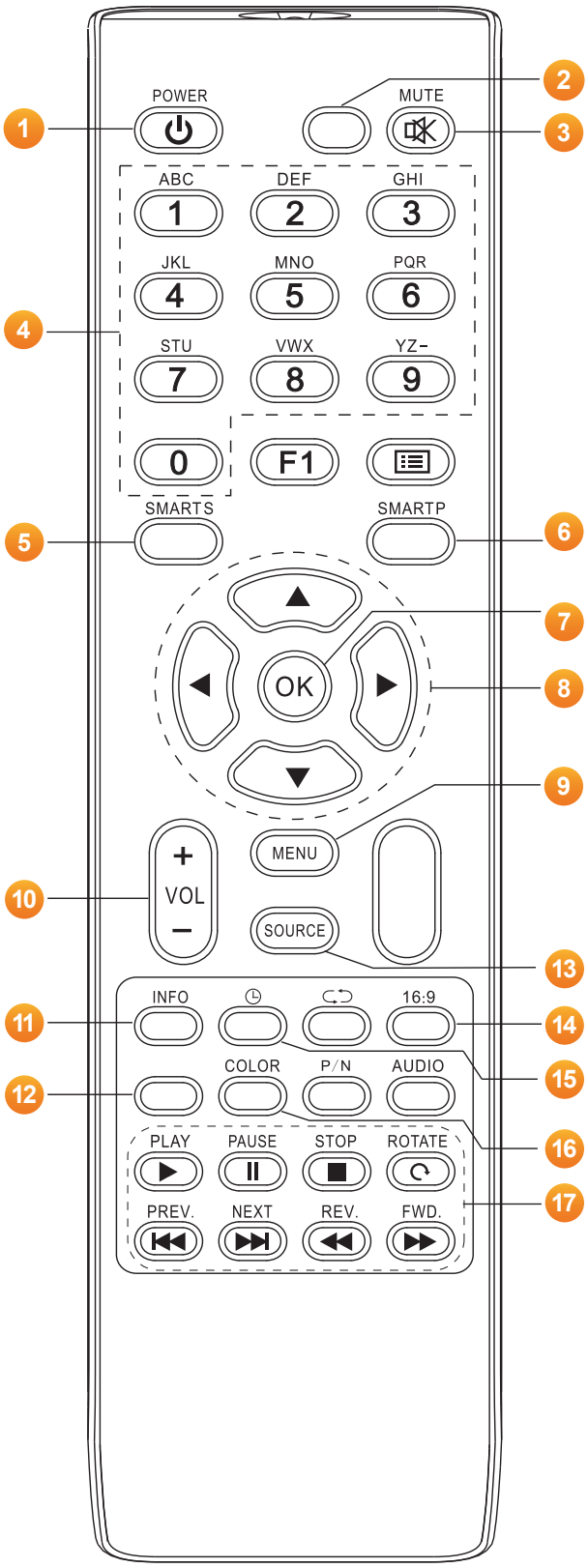
Control Panel





	Basic Mode	On Screen Display Mode (OSD)
1	ActivPanel Touch ON/OFF	
2	Select Main Menu	
3	Increase/Decrease volume	Increase/Decrease value of selected item
4	Switch to next/ previous program	Select item to be adjusted
5	Select Signal Source Menu, then select signal source	
6	Power ON Standby	

Remote Control

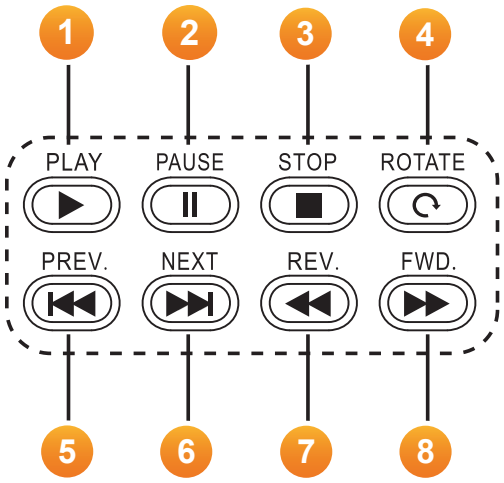


1. Power/Standby ON/OFF
2. NO Function
3. MUTE Volume
4. Input Numbers
5. SOUND Mode
6. IMAGE Mode
7. OK, confirm current selection/ operation
8. CURSOR KEYS:

   UP/DOWN: select item to be adjusted

   LEFT/RIGHT: adjust value of selected item
9. MAIN Menu
10. Increase (+) / Decrease Volume (-)
11. ON-SCREEN DISPLAY Mode
12. NO Function
13. Display SIGNAL SOURCE SELECTION Menu
14. Change display aspect ratio
15. Set SLEEP Timer
16. Switch Colour Temperature
17. USB Mode

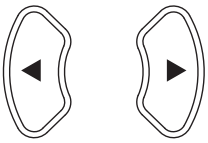
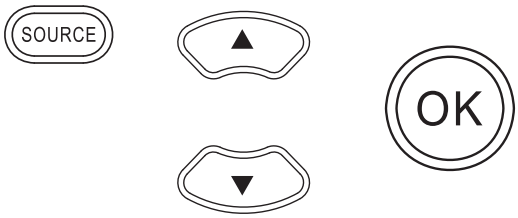
USB Mode



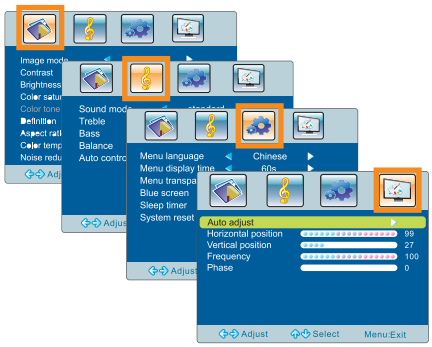
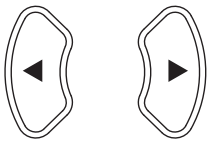
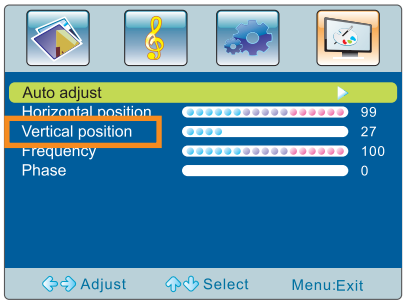
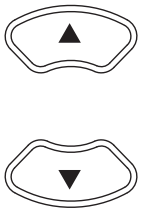
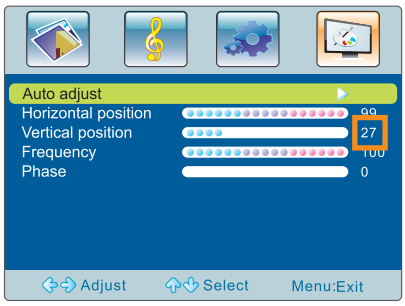
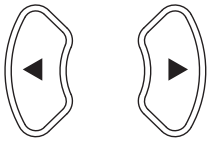
1. Play
2. Pause
3. Stop
4. Rotate
5. Previous Item
6. Next Item
7. Rewind
8. Fast Forward

Operation

Basic

	ActivPanel Touch	Remote Control
Power/Standby		
Main Menu	MENU	
Change Volume		
Next/Previous Item		
Select Signal Source	SOURCE MENU	

Menu Operations

	ActivPanel Touch	Remote Control
1	**MENU**	
2	◀ ▶	 
3	▼ ▲	 
4	◀ ▶	 
5	**MENU**	

Picture Menu

Item	Function	Description
Image mode	Adjust the overall image effect	[Standard], [Soft], [User] or [Bright]
Contrast	Adjust the overall image layering	The greater the value (0-100), the higher the layering
Brightness	Adjust the overall image brightness	The greater the value (0-100), the higher the brightness
Colour saturation	Adjust the colour depth	The greater the value (0-100), the deeper the colour
Colour tone	Adjust the colour tone	The greater/smaller the value (0-100), the greener/purpler the tone
Definition	Adjust the image definition	The greater the value (0-100), the higher the definition
Aspect ratio	Adjust the image display scale	[Full Screen], [4:3], [Subtitle] or [Movie]
Colour temperature	Adjust the overall colour temperature	[Standard], [Warm] or [Cool]
Noise reduction	Set the noise reduction level	[Medium], [High], [Off] or [Low]

Sound Menu

Item	Function	Description
Sound mode	Select a sound effect	[Standard], [Music], [Movie] or [User]
Treble	Adjust the treble	The bigger value (0-100), the higher treble
Bass	Adjust the bass	The bigger value (0-100), the higher bass
Balance	Adjust the balance between left and right track	Slide to the left/right to increase the left- track/right-track volume (L50-R50)
Auto control	Auto control the volume	If you select [On], the system will auto adjust the volume

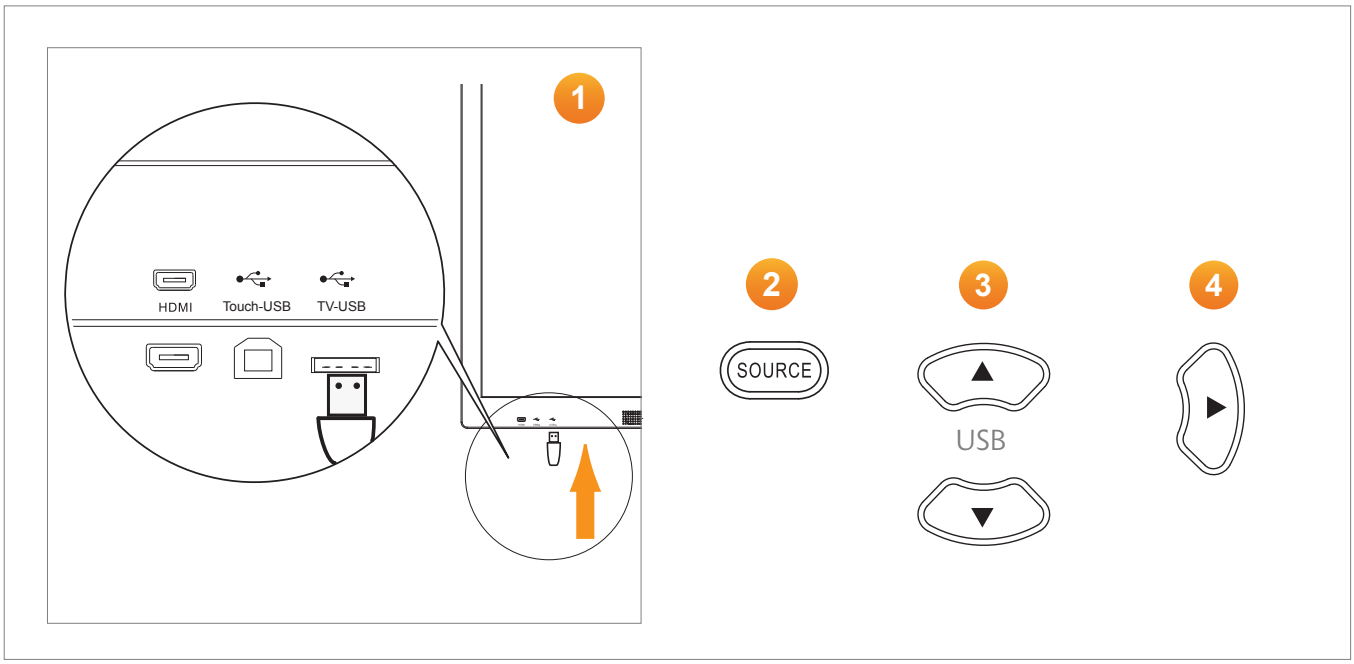
Menu Menu

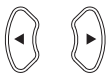
Item	Function	Description
Menu language	Set the menu language	[Chinese], [English], [German], [French]
Menu display time	Set the menu display time	[15s], [30s], [45s]or[60s]
Menu transparency	Set the menu transparency	The greater the value (0-100), the higher the transparency
Blue screen	Set whether to switch to blue screen if no signal is input	[On] or [Off]
Sleep timer	Set a time for auto standby	[Off], [15min], [30min], [45min], [60min], [90min], [120min] or [240min]
System reset	Restore the factory default settings	Restore the factory default settings

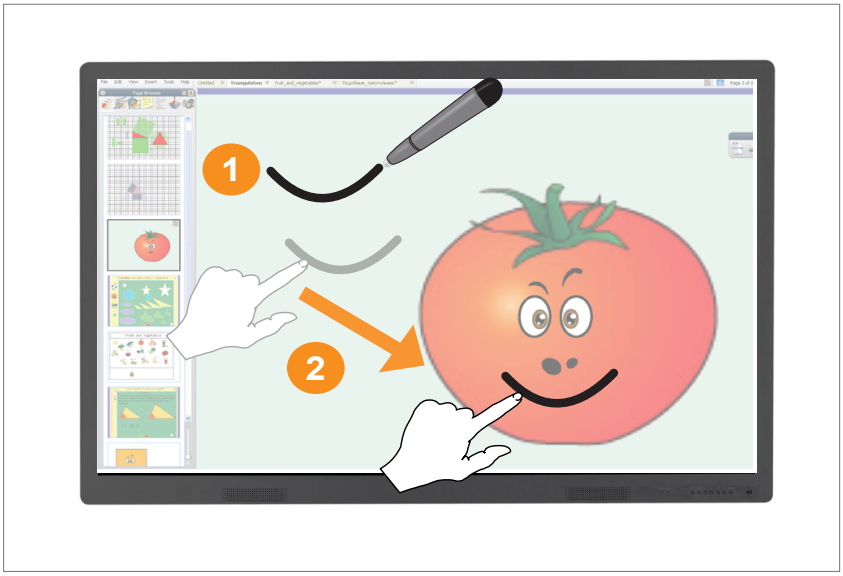
PC Menu

Item	Function	Description
Auto adjust	Auto adjust the screen	Press the right key on the remote control to auto adjust to the best display effect
Horizontal position	Adjust the horizontal position	Move the screen display left and right
Vertical position	Adjust the vertical position	Move the screen display up and down
Frequency	Adjust the frequency	Adjust the frequency to track stability and definition
Phase	Adjust the phase	Adjust the phase of the pixel frequency

USB Multimedia



- The USB multimedia files include video, audio, picture and text. The ActivPanel Touch cannot recognize some non-standard USB storage devices. Please use standard devices only.
- The streaming media system limits each type of multimedia files to some specific formats. No files of any other format can be played.
- Do not remove the USB storage device during the file playing process, or the device or system could be damaged.
- The system supports standard USB disks and mobile HDDs under USB1.1 and USB2.0.
- Press  on the remote control to select a file menu, like **Photo**, **Music**, **Movie** or **Text**.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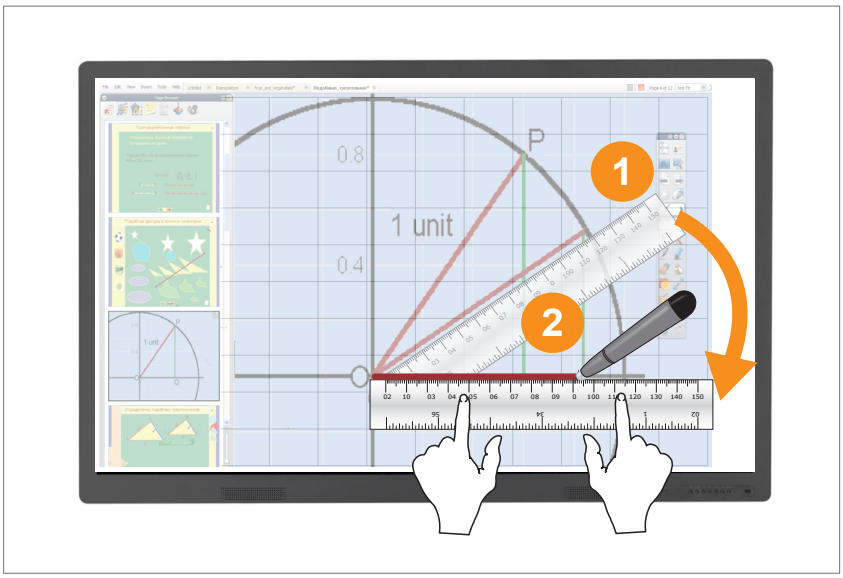
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P
1 unit
0.4
1
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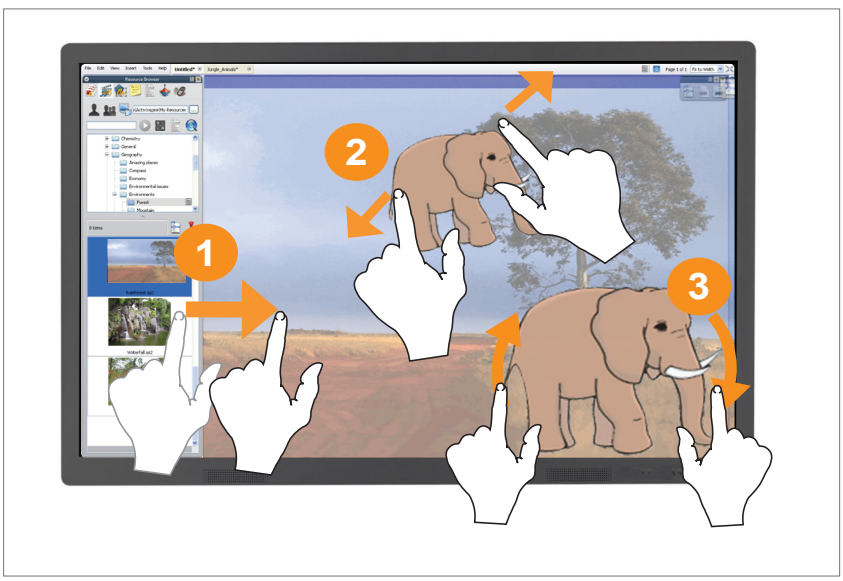
2
1
3

Cleaning

Unplug the power cable from the socket before cleaning the ActivPanel Touch.

Do not use volatile solvents (such as alcohol, rosin, and toluene) to clean the ActivPanel Touch. These types of chemicals might damage the housing.

Cleaning the Bezel And Remote Control

Use a 100% cotton cloth or micro-fiber cloth for cleaning.

If the remote control or bezel is dirty to the point where you cannot simply dry wipe it, please **lightly dampen** the cleaning fabric with clean water and wipe it.

Use only lightly dampened fabric to avoid malfunction and possible permanent damage to electronic components.

Finally, wipe the ActivPanel Touch dry with a dry micro-fiber cloth or 100% cotton cloth.

Troubleshooting

If your ActivPanel Touch is not operating correctly, please check the following table before contacting Technical Support.

Problems	Solutions
No sound	• Try increasing the volume of the speaker. • Check that the ActivPanel Touch is not turned off. • Check the ActivPanel Touch volume level. • Make sure the correct input is selected. • Make sure the correct cables are properly connected.
Remote Control does not work	• Make sure the battery is correctly inserted. • Take the battery out, press the buttons once or twice, then reinsert the battery and try again. • If reinserting the battery has no effect, please replace the battery.
No power	• Make sure the AC power cable is securely connected to a power outlet. • Make sure the AC socket is properly connected. • Try another electrical device on the power outlet to ensure that there is an electrical current.

Resolution	Full-HD 1080p (1920 x 1080)
Optimum Resolution	1920 x 1080 @ 60Hz
Contrast Ratio	4000:1
Viewing Angle	178°
Surface	5mm acid-etched tempered glass
Number of touches	6
Response Time	8ms
Digitizing Technology	Infrared
Video and Control Input	HDMI x 1, VGA (D-sub 15 RGB) x 1, Composite Video (RCA) x 1, USB-A x 2 (for media playback), USB-B x 1
Audio Input	Audio (RCA) x 2 (L + R) , Audio In (3.5mm) x 1
Audio Output	Audio (RCA) x1
OPS slot	1
Speakers	Integral, 2 x 10W stereo
Operating Temperature	+5°C to +40°C (41°F to +104°F) at 10% to 85% humidity
Storage Temperature	-20°C to +55°C (-4°F to +113°F) at 5% to 95% humidity
Power	AC
VESA Mount Point (Wall/Stand)	4 x M8 (VESA 400 x 600)
VESA Mount Point (NUC/Mini)	4 x M4 (VESA 100 and VESA 75)
Packed Contents List	ActivPanel Touch, VESA wall mount, Power cable, VGA cable, HDMI cable, 3.5mm Audio cable, 5m (16ft) USB cable, Infrared Remote Control , Installation Guide, User Guide

	ActivPanel Touch 65"	ActivPanel Touch 70"
ActivPanel Nominal Size	65"	70"
Panel Usage Type	TV	DID
Brightness (typical)	360 cd/ m2	400 cd/m2
Power Consumption (max)	270W	310W
Overall Dimensions	1536mm x 931mm x 79mm (60.5in x 36.7in x 3.1in)	1637mm x 981mm x 93mm (64.4in x 38.6in x 3.7in)
Net Weight	80.5kg (177.5lb)	87kg (191.8lb)
Packed Dimensions	1765mm x 1165mm x 340mm (69.5in x 45.9in x 13.4in)	1895mm x 1210mm x 340mm (74.6in x 47.6in x 13.4in)
Packed Weight	92.2kg (203.3lb)	101.7kg (224.2lb)

Specification

System Requirements	
Operating Systems	Windows (7/8)
PC	2.0 GHz Intel Core 2 Duo or faster for HD-quality videos, 1 GB of RAM is required to play HD quality videos, 1024 x 768 resolution, 1.5 GB of Free Disk Space

*The ActivPanel Touch's specifications may change without notice or obligation.

Compliance Statements

United States of America

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.

Do not make any changes or modifications to the equipment.

Canada

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

EU

Promethean hereby declare that the equipment is in compliance with the Low Voltage Directive 2006/95/EC and the Electromagnetic Compatibility Directive 2004/108/EC.

The equipment meets the following conformance standards: EN 55022, EN 55024 and EN 60950-1.

Please contact Promethean for a copy of the Declaration of Conformity if required.

WARNING: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Waste Electrical and Electronic Equipment (WEEE)

For more information concerning the correct disposal of these products, please contact your Promethean reseller.

Notes

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Product Specifications are subject to change without notice.