

User Guide

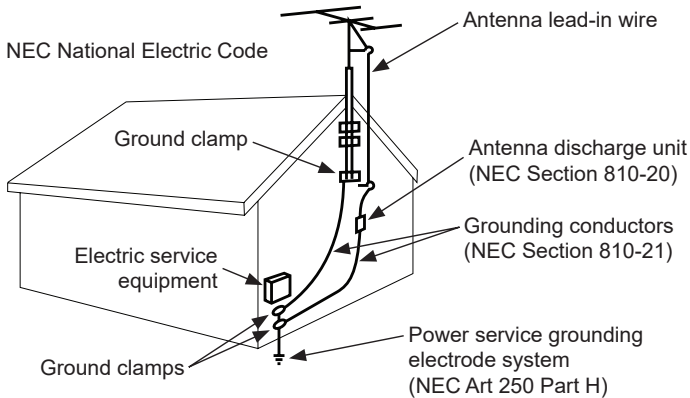
MODEL: NTSD55, NTSD65



SYSTEM INSTALLATION AND ELECTRICAL REQUIREMENTS

Electrical Code

Note: To the display system installer: This reminder is provided to call attention to Article 820-44 of the National Electric Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the facility. Outlet shall be installed near the equipment and shall be easily accessible.



Note: Installation shall incorporate UL Listed external surge protection rated 2500 Vpk or less, for 150 to 300 Vac mains, installed in accordance with Article 285 of ANSI/NFPA 70 or applicable local codes.

Power Source

The display must be connected to a mains socket outlet with a protective grounding connection.

The mains plug is used as the disconnect device and shall remain readily accessible.

Electrical installation shall be in accordance with the applicable parts of Chapter 8 of ANSI/NFPA70.

An outdoor antenna should not be located near overhead electrical lines or any electrical circuits.

If an outside antenna is connected to the receiver, confirm that the antenna system is grounded to protect against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No 70-1984, provides information with respect to proper grounding for the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

These displays operate on 120 volt 60 Hz, AC current. Insert the power cord into a 120 volt 60 Hz outlet. Never connect the display to direct current or anything other than the specified voltage.

To prevent electric shock from the display, do not use with an extension cord, receptacle, or other outlet unless the blades and ground terminal can be fully inserted to prevent blade exposure.

All secondary lines must be routed through grounded conduit and kept separate from AC line.

FCC CAUTION

To assure continued compliance and possible undesirable interference, ferrite cores may be used when connecting this display to video equipment; maintain at least 400mm (15.75 inches) spacing to other peripheral devices.

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 Rule. 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 these 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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/display technician for help.

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

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Relevant Information

Record your display's model and serial number here for future reference. Keep this user manual in an accessible location in the event service is required.

Note: Your display's serial number can be found on the box and underneath the rear cover plate.

Model Number _____

Serial Number _____

GENERAL SAFETY PRECAUTIONS

Read before operating equipment

Thank you for purchasing our product. Before using it, please read this user guide carefully and follow the instructions for safe operation. Please keep this manual for future reference and always include it when transferring or transporting this product to a different location.

▲ WARNING

In case of emergency such as fire or electric shock caused by the product, immediately contact 911 or proper emergency police/fire service agencies in your country.

To reduce the risk of electric shock or fire, heed the following:

- In case of product malfunction or unusual events such as electrical burning smell, smoke, or loss of content signals due to internal overheating, immediately turn off, unplug the electrical cord and contact the manufacturer.
- Do not disassemble, modify or service product in any way other than that contained in this instruction. Any unauthorized modifications made to the product automatically void product warranty.
- Do not touch antenna lines or wires, electrical cables or plugs when lightning or thunder is present or with wet hands
- Do not submerge in water.
- Do not destroy, process, or place close to any heat source.
- Do not install near poisonous gas or chemically unstable atmosphere.
- Do not install near strong magnetic or electrical current field.
- Do not install the product in unstable locations or near moving objects, constantly vibrating equipment, or uneven surfaces.
- Do not leave any fire source, such as candles, close to or on the product.
- Do not operate the product if it has been dropped or struck. Severe physical impact to the product may cause components to fall out of place within and break.
- Do not bend or twist electrical cords, electrical plugs, cables, or wires with excessive force.
- Do not block ventilation slots or place any heavy object on the product.
- Use properly rated electrical voltage.
- Do not use any electrical sockets or power strips with many other devices jointly plugged in. Use a single, directly dedicated and rated GFCI electrical outlet for the product for safe operation.
- Do not move or transport with any cables (electrical, content connectivity) plugged in to the source devices.
- Always connect the electrical plug firmly and completely. When disconnecting any cables, always pull on the plug and not the cord.
- Always leave the power off when plugging or unplugging the electrical cords or connection cables.
- Do not defeat the safety purpose of the polarized or grounding type electrical plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the electrical cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

To avoid personal injury, this appliance must be grounded and wall mounted according to installation instructions.

▲ WARNING

- Never apply pressure to the exterior of the LCD screen.
- If monitor or glass is broken, do not come in contact with the liquid crystal and handle with care.
- Do not climb on the product.
- Do not install within five feet from a body of water.
- Do not use if ambient air temperature exceeds the operating limits; Maximum operating temperature is -22°F ~ 122°F (-30°C ~ 50°C)
- The product is intended for outdoor, shaded operation. Place the TV in an area that never receives direct sunlight, such as under canopy or on the side of a structure. Placing the TV in direct sunlight will decrease the panel life and void the warranty. The screen can black out if the sun's UV rays shine directly on the TV screen. Power off the screen if image blacks-out and return to a powered-on state once the sun's rays are no longer shining directly on the TV. This is not a warranty issue.
- Do not install in enclosure or recessed cavity with less than 2 inches of airflow around the display. Air inside fully encased display must be ventilated.
- The product is to be secured to building before operation.
- Product must be carried and supported by at least two persons.
- Periodically clean dust off the electrical plug to keep it clean and dry, ensuring proper and safe operation.
- Only use attachments/accessories specified by the manufacturer.
- Best practice is to use a dust cover to cover the outdoor TV when not in use; this will help protect and preserve the longevity of the outdoor TV. Accessory dust covers sold separately on NeptuneTV.com
- The product is weather resistant, not waterproof and should not come in contact with water exposure from lawn sprinklers, garden hoses, pools, spas, water features, etc. The product is designed to be used outdoors in normal weather conditions.
- Do not use pressure washers or high pressure water jets on this product. The product is not designed to withstand hurricanes, tornados, dust storm. Always bring the TV indoors at any sign of adverse weather conditions.
- Do not block slots, openings or fans on the cabinet as these are provided for proper ventilation purposes. To ensure reliable operation of the product, and to prevent it from overheating, these opening must not be blocked, enclosed or covered.
- Read all warning and instruction labels located on the back of the TV.
- Avoid touching the front screen as skin oils are sometimes difficult to remove. Clean the TV using a soft cloth with mild detergent and warm water.
- Do not use any ammonia or alcohol-based cleaners on the TV screen. Consult with any specialty TV store for the best non-ammonia LCD screen cleaner.
- Never clean the product while it is powered-On. Always turn Off the TV when cleaning.
- Do not unplug DC fans connected to USB port. Fans must remain running while TV is in use.
- TV must be operated as described in this manual, failure to do so will void the warranty.
- HDMI Surge Protector - If you are using a HDMI cable from source to the TV, a HDMI surge protector must be installed. HDMI also carries power to the TV's video board. Failure to do this will void the warranty.

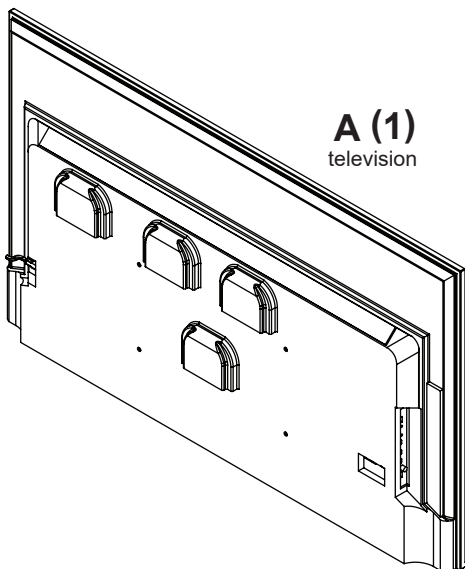
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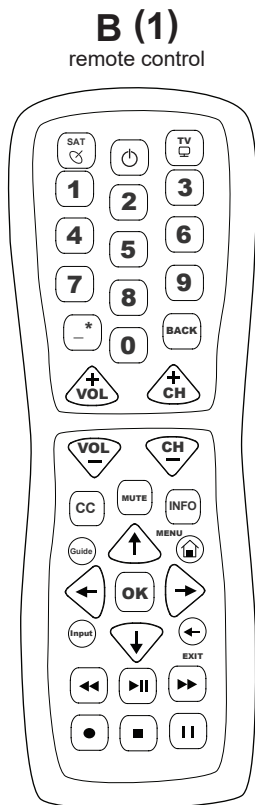
SET UP INSTRUCTIONS

Parts List

	Description	Qty
A	television	1
B	remote control	1
C	user guide (not shown)	1
D	technical support insert (not shown)	1
E	warranty registration card (not shown)	1



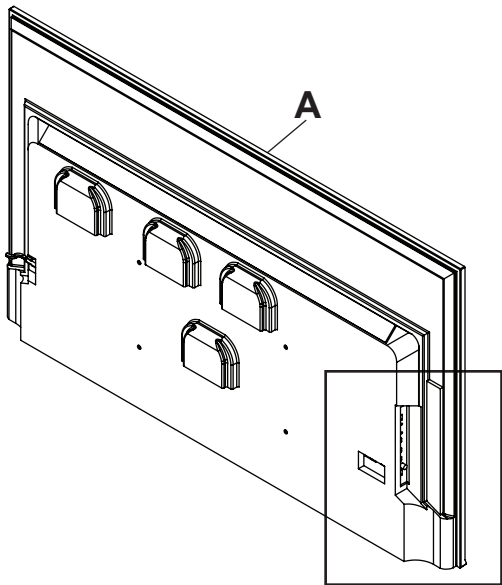
A (1)
television



B (1)
remote control

Removing I/O Terminal Cover

Lift neoprene cover to access source connection panel.



Connecting Cords

Connect source devices to appropriate display input. Make all connections prior to powering on the display.

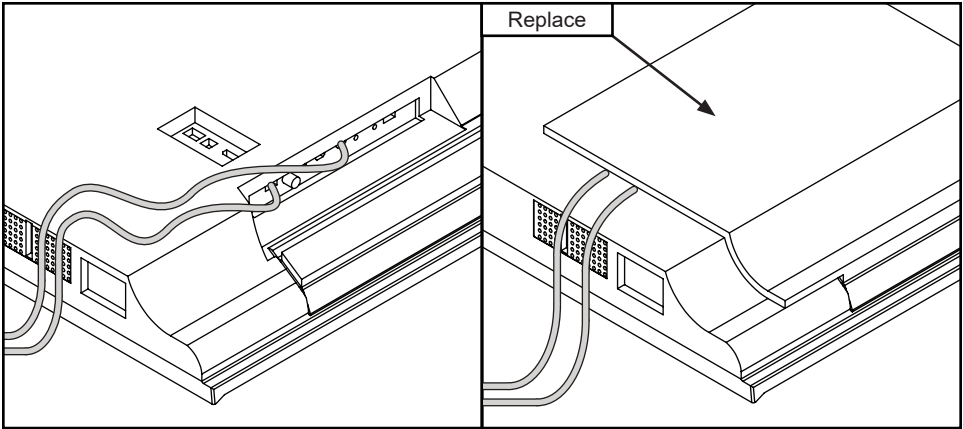
Connector	Function	Description
	Optical	Used for connecting digital audio output signal to an amplifier.
	HDMI	Connect to a device with HDMI output.
	AV	Connect to a device with AV / CVBS output
	USB	Supports audio / video / photos / text.
	Headphone	Connect headphones for audio output, variable level.
	RF	Antenna input for use with ATSC 2.0 OTA signals.
	LAN / RJ45	Used for internet connectivity.

Replacing I/O Terminal Cover

1. Must run cables out of the bottom of the hydrophobic I/O cover, toward the ground. Create drip loop after the cables have exited the hydrophobic cover.
2. After all cabling has been connected and routed properly, press firmly along edges of hydrophobic cover to create seal with the backside of the Outdoor TV.

CAUTION

Failure to follow these instructions can result in the product being damaged or destroyed, voiding the warranty.



CAUTION

- Ensure cord bend radius does not exceed limits set by the manufacturer.
- Ensure cords are seated properly in the cable channels to avoid potential damage to cords when I/O terminal cover is installed.
- Do not run cables through the sides of I/O terminal cavity. All cables must exit toward bottom of display to retain seal.

Prepare the Display for Mounting

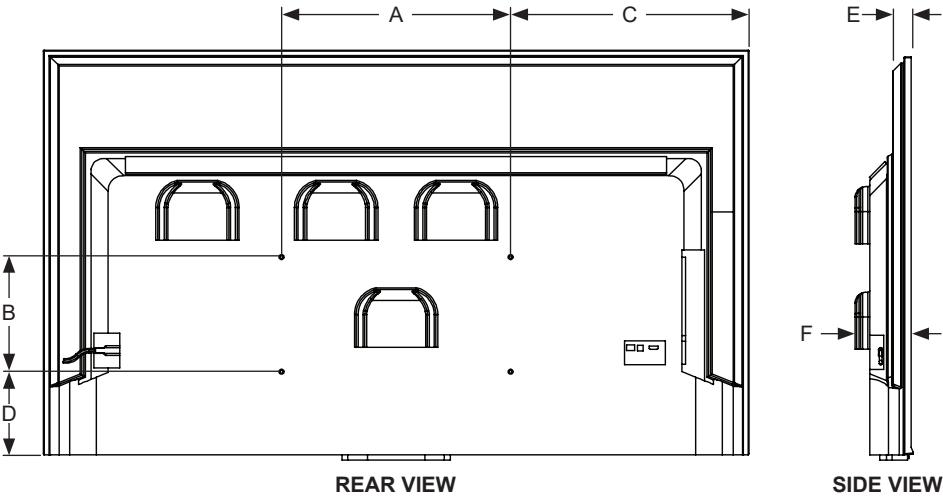
Install cords to your display before mounting. Input panel may be obstructed once the display is mounted.

For your safety, only install on an outdoor-rated mount that is suitable for the application and supports the weight of the display. When mounting a display outdoors, use environmentally rated mounts to ensure longevity in harsh environments.

Examine the chart below to determine the mounting specifications for your display.

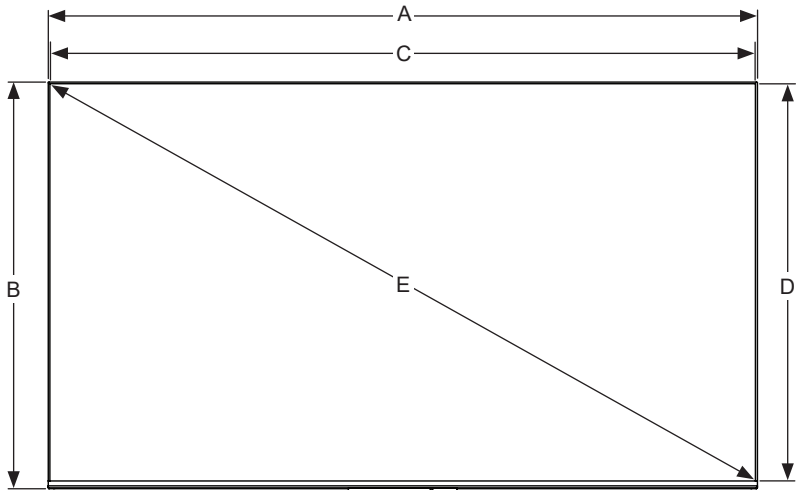
Required Mounting Screws
Four M8 screws (17.4mm long)

Display Size	A	B	C	D	E	F
55"	15.75" (400mm)	7.87" (200mm)	16.38" (416mm)	5.71" (145mm)	1.28" (32mm)	3.91" (99mm)
65"	15.75" (400mm)	11.81" (300mm)	20.77" (528mm)	5.71" (145mm)	1.28" (32mm)	3.91" (99mm)



Prepare the Display for Mounting

Display Size	A	B	C	D	E
55"	48.50" (1232mm)	27.81" (706mm)	48.25" (1225mm)	27.15" (690mm)	54.64" (1388mm)
65"	57.28" (1455mm)	32.92" (836mm)	57.03" (1448mm)	32.26" (819mm)	64.53" (1639mm)



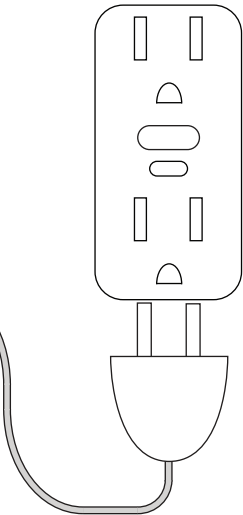
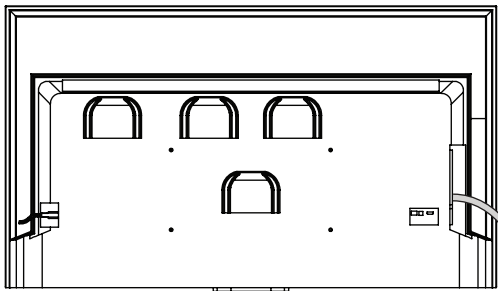
FRONT VIEW

Connect to the Power Source

Connect power cord to GFCI outlet.

CAUTION

- Must use/install an Outdoor/Weatherproof Box 110V AC GFI receptacle and an adequate surge protector.
- Must not use the TV unit "Powered On" during constant hard driving rain, lightning, snow and/or dust storms.
- Do not use extension cords.

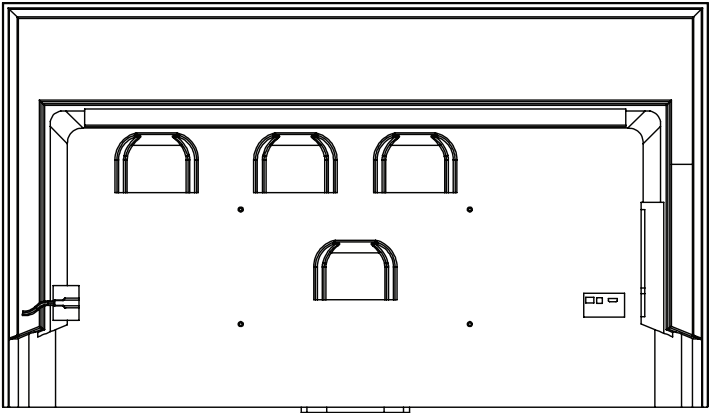


Ensure Proper Ventilation

This Neptune Shade Model TV is equipped with a 12 Volt DC cooling and moisture pulling fan system. This system has a 12 VDC to 110 AC converter that adapts the 12 VDC fans to run on 110V AC. This system must be plugged in and powered at all times.

CAUTION

- Do not allow any metal pieces or objects of any kind into the ventilation openings.
- High voltage flows within the product. Inserting any object can cause electrical shock and/or short out internal parts.

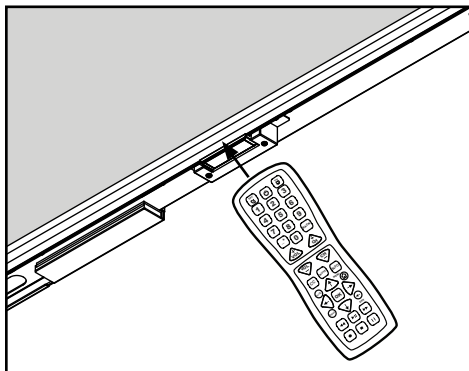


OPERATING INSTRUCTIONS

Power On/Off the Display

Power on your display by using the remote control or the power button on the middle-bottom of the display. The display will power on but image may not appear for several seconds as it completes its power up sequence.

Point the remote control at the IR sensor located at the bottom center of the display, and press the power button.

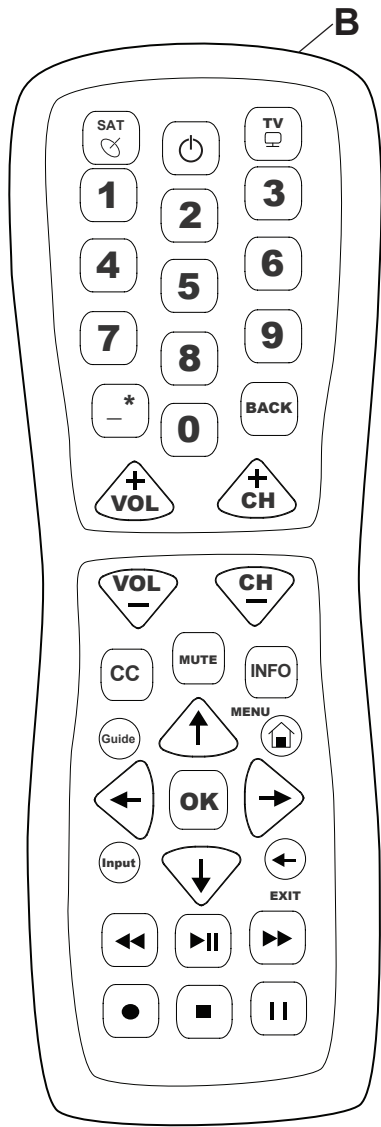


Onboard Controls

Multi-Function Power Button: Located on the bottom center of bezel.

- Single button press powers on the TV and brings up Input Menu.
- Single button press cycles through inputs and Power Off.
- Long button press elicits input change or Power state change.

Remote Control Buttons

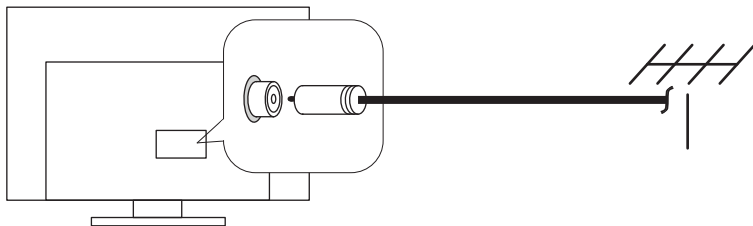


Button	Description
Power	Turns TV On / Off
SAT	Selects the Satellite Input
TV	Selects the Tuner Input
0 ~ 9	Used for navigating television channels
_ *	Adds a "." or "-" when entering channels.
Back	Returns to previous screen
Vol +/-	Adjusts audio levels up and down
Channel +/-	Moves up and down the tuned channel list
CC	Turns closed captioning On / Off.
Mute	Mutes / Unmutes audio output
Info	Displays / Hides TV Information Screen.
Guide	Displays guide for television channels that have been tuned in.
Home	Displays the television menu
Arrows	Used to navigate On-screen display
OK	Used to select when navigating On-Screen display.
Input	Toggles between available inputs
←	Exits the menu or app that is currently open.
<<	Rewinds the current programming.
>>	Fast forward the current programming.
Play/Pause	Plays / Pauses current programming.
Record	Records the current programming.
Stop	Stops current programming
Pause	Pauses / Unpauses current programming.

MENU OPERATION

Live TV / Antenna Setup:

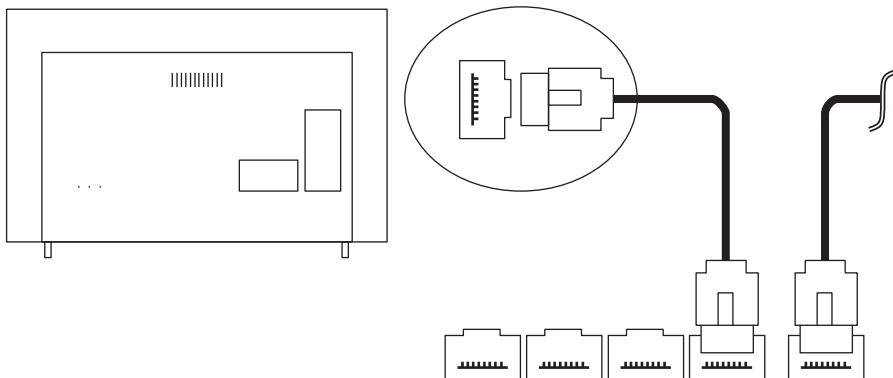
1. Connect the Antenna to the Television. You can also connect a device that can receive broadcasts such as a cable box instead of an antenna.



2. Start > Programs > Manual Tune / Automatic Tune. Search and arrange only the programs that are being tuned in.

Network Connection:

Configure the settings for network, such as online content and applications.



Network settings can be applied over a wired network.

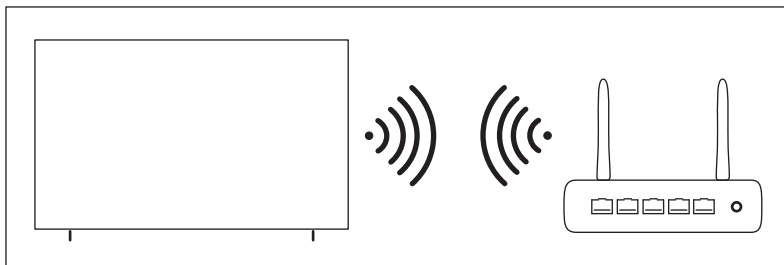
1. Connect the LAN port of the TV and the router with a cable. The router must have a live internet connection.
2. Press the 'settings' button on the remote control.
3. Select Wired Ethernet Connection Settings. To see details, click Settings > Connection Settings > Network > Connection Settings in the User Guide.

MENU OPERATION

Network Connection:

Network settings can be applied using Wi-Fi.

1. Turn on the router connected to the internet.
2. Press the 'settings' button on the remote control.
3. Select Connection Settings > Network > Wi-Fi Connection.
4. When the network search is completed, the list of networks available for connection is displayed.
5. Select a network to connect.
6. If your wireless LAN router is password protected, enter the password configured for the router.
To see more details, click on settings > Connection Settings > Network > Connection Settings in the User Guide.



Network Configuration Information:

- Use a standard LAN Cable (Cat5 or higher, RJ45 connector, 10Base-T or 100Base-T TX LAN port).
- Restarting the modem can fix some network problems. Turn off the power, unplug it and reset it, and then turn it on to solve the problem.
- The manufacturer is not responsible for network connection problems or failures, malfunctions or errors caused by the network connection.
- The network connection may not work properly due to the network settings or the service of your internet provider.
- The DSL Service must use a DSL modem; and the cable service must use a cable modem. Since only a limited number of network connections are available, the TV network settings may not be used depending on the contract with the Internet service provider. (If the contract does not allow more than one device per line, you can only use the PC already connected).
- Wireless network can experience interference from other devices that use the 2.4 GHz frequency (wireless phone, Bluetooth device or microwave oven) although interference can also occur when the 5 GHz frequency is used, but it is less likely to occur.
- The wireless environment can make the wireless network service run slowly.
- Failure to turn off all local networks may cause excessive traffic on some devices.
- The Access Point device must support wireless connections and the wireless connection function must be enabled on the device to have AP (Access Point) connection. Contact the service provider for availability of wireless connections at the Access Point.
- Check the SSID and security settings of the AP. Consult the corresponding documentation for SSID security settings for the AP.
- Invalid configuration of network devices (wired / wireless line sharer, hub) may cause the TV to work slowly or not work accordingly.
- The connection method may vary depending on the AP manufacturer.
- To solve a problem related to this function, refer to the Troubleshooting section of the User Guide.

MAINTENANCE

Care of the Screen

Do not rub or strike the screen with anything hard as this may scratch, mark, or even damage the screen permanently. Ensure that the display is installed in a location where it will be safe from abrasives and flying debris, which could damage the LCD panel. Never use ammonia or any product containing ammonia, as it will damage the anti-glare coating on the face of the display. Only use an approved screen cleaner to clean the display face. Dust the display by wiping the screen and the cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use aerosol cleaners or solvents of any kind. Do not use any chemical such as paint thinner or benzene to clean the product's exterior. It may cause scratches on the surface, erasing proper indications, identification labels, or instructions on the exterior, which may cause misuse and improper operation of the product.

Mobile Telephone Caution

Keep your mobile telephone away from your display to avoid disturbances in the picture or sound, possibly causing permanent damage to your display.

End of Life Directives

In an effort to produce environmentally friendly products, your new display contains materials that can be recycled and reused. At the end of your display's life, specialized companies can minimize display waste by separating reusable materials from non-reusable materials. Please ensure you dispose of your display according to local regulations.



This computer is an appliance. It is an electrically insulated Class II or double insulated electrical appliance, one which has been designed in such a way that it does not require a safety connection to electrical ground.



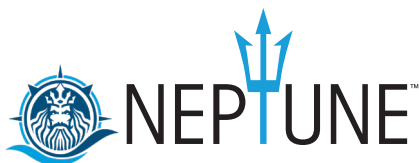
If at any time you need to dispose of this device, please note that waste electrical products should not be disposed of with household waste. Please recycle in places suited for it. Check with your local authority or dealer for recycling advice. (Directive on Waste Electrical and Electronic Equipment).

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ENG	Warranty	ESP	Garantía	FRN	Garantie	DEU	Garantie	NEL	Garantie
ITL	Garanzia	ČES	Záruka	SLK	Záruka	POR	Garantia	TÜR	Garanti

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