

TECH₂O

ALL-WEATHER OUTDOOR TVs

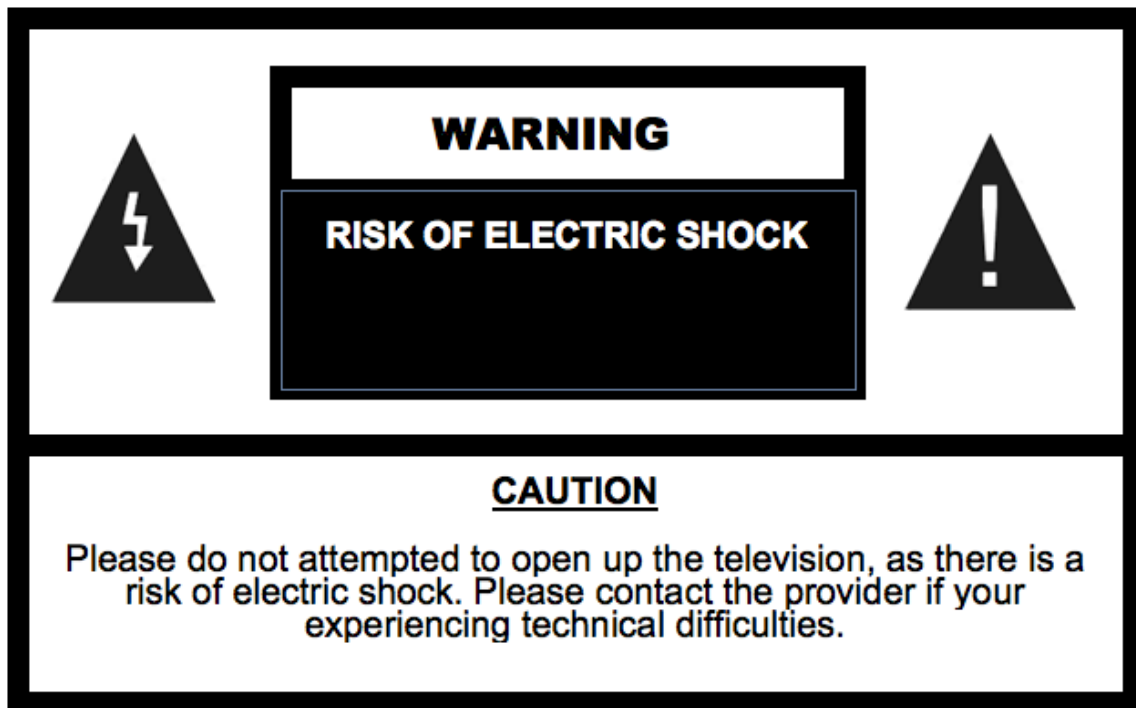
32" | 42" | 47" | 55" | 65"

Instructions Manual

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Safety Guidelines



This Outdoor Television has been rated under IP65 Waterproof Classification. The item should not be exposed to harsh weather conditions. For safety reasons we advise that no objects are placed on top of the television unit once installed.

Please read the following before operating this television:

- Please do not allow children to operate this television without adult supervision or guidance.
- The television should not be subjected to temperatures below 0 Celsius or above + 50 Celsius when in use. Do not install in areas that are subjected to direct heat or light.
- Please do not carry out any maintenance or servicing on this television unless you're a qualified technician.
- If for any reason the transformer, mains cable, remote controller or television is not performing correctly, please contact the provider.
- Please use a qualified electrician to install the power cables to your television. If the power cable is pinched or cut when installed, the users or installers could be subject to an electric shock.
- Disconnect the television in the event of (a) a power cut, (b) leaving the unit ON for a long period of time unattended, and (c) for cleaning the unit.
- Do not fully submerge the television in water.
- Do not allow the television to be subjected to acid or alkaline-based substances.
- Please install the television using the provided brackets, fixtures and fittings supplied by the provider. Follow installation instructions within this manual.
- Install the television in an area that is not subjected to vibrations or within the reach of young children.
- Do not subject the television screen to hard or sharp objects at any time.
- Do not apply harmful chemicals or corrosive liquids to the television screen.
- Please remove the protective film from the television screen and speaker panels within one week of installing.

Package Contents

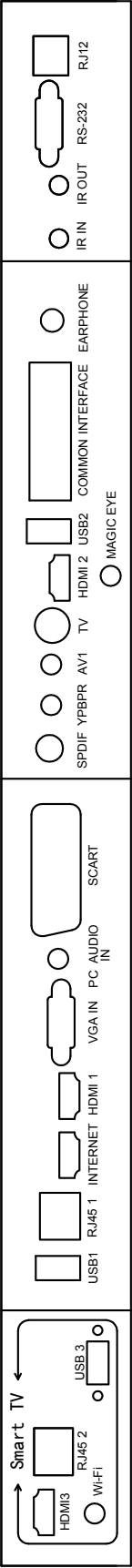
Outdoor Television



Accessories: Waterproof Remote Control, Smart TV Wireless Keyboard, Power Adapter and Wall-Mount Bracket



Ports and Connectors



Technical Specifications

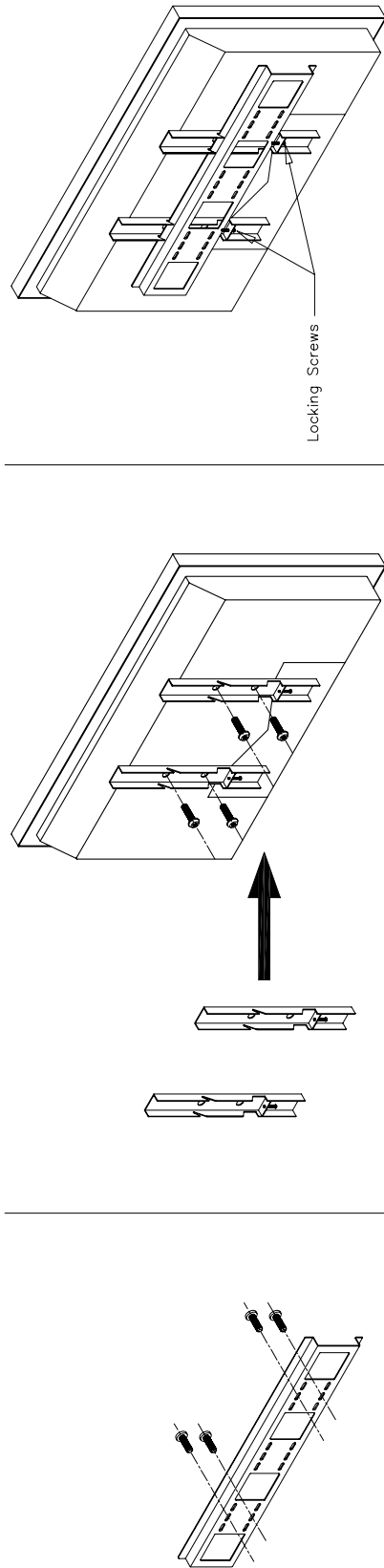
| | | | | | |
|--|---|----------------------|------------------------|----------------------|----------------------|
| TV Size | 32" | 42" | 47" | 55" | 65" |
| Display | | | | | |
| Screen Type | LCD | LCD | LCD | LCD | LCD |
| Active Screen Size (WxH) | 698 x 392mm | 933 x 525.6mm | 1040 x 585mm | 1212 x 683mm | 1426 x 801mm |
| Resolution | 1920 x 1080 pixels | 1920 x 1080 pixels | 1920 x 1080 pixels | 1920 x 1080 pixels | 1920 x 1080 pixels |
| Brightness | 1000 cd/m2 | 1000 cd/m2 | 1000 cd/m2 | 1000 cd/m2 | 1000 cd/m2 |
| Aspect Ratio | 16:9 | 16:9 | 16:9 | 16:9 | 16:9 |
| Contrast Ratio | 4000:1 | 4000:1 | 4000:1 | 4000:1 | 4000:1 |
| Colour Depth | 16.77 million | 16.77 million | 16.77 million | 16.77 million | 16.77 million |
| Viewing Angle (H/V) | 178° / 178° | 178° / 178° | 178° / 178° | 178° / 178° | 178° / 178° |
| Response Time | 6 ms | 6 ms | 6 ms | 6 ms | 6 ms |
| Installation | | | | | |
| Wall Bracket Compliance For On-Wall Installation | VESA 250 x 150mm | VESA 400 x 200mm | VESA 400 x 250mm | VESA 400 x 300mm | VESA 600 x 300mm |
| Power | | | | | |
| Mains Power | 110-240v 50/60Hz | 110-240v 50/60Hz | 110-240v 50/60Hz | 110-240v 50/60Hz | 110-240v 50/60Hz |
| Power Consumption | 120W | 180W | 200W | 300W | 450W |
| Standby Consumption | <1W | <1W | <1W | <1W | <1W |
| Dimensions and Weights | | | | | |
| Unit Size (WxHxD) | 839 x 536.4 x 91mm | 1071 x 693 x 102.5mm | 1201.2 x 745.4 x 102mm | 1356 x 827 x 118.5mm | 1619 x 994 x 106.5mm |
| Unit Weight | 32 kg | 40 kg | 50 kg | 59 kg | 87 kg |
| Packaged Size (WxHxD) | 990 x 680 x 310mm | 1220 x 850 x 320mm | 1350 x 900 x 320mm | 1500 x 980 x 340mm | 1770 x 1150 x 340mm |
| Gross Weight | 46 kg | 65 kg | 76.5 kg | 95 kg | 136 kg |
| Audio | | | | | |
| Speakers | 2 x External Speakers | | | | |
| Speaker Output | 10W x 2 | | | | |
| Design | | | | | |
| Frame Material | Anti Corrosive Metal | | | | |
| Screen Material | Scratch Resistant Non-Reflective Glass | | | | |
| Operating Environment | | | | | |
| Working Temperature | -20°C ~ +50°C | | | | |
| Working Humidity | 10% - 90% | | | | |
| System | | | | | |
| Smart TV | DVB-T / T2 / C TV System, HD Freeview (Digital) TV & Radio, Analogue Tuner, MHEG 5 System, Tech2o Smart TV | | | | |
| Ports and Connectors | Processor: Dual Core 1.5 GHz, Chipset: Amlogic® AML8726-MX, Graphics: Integrated HD Graphics, Memory: 4GB, Storage: 512MB, Operating System: Android®, Network Connections: Wi-Fi, RJ45 LAN | | | | |
| Certifications & Standards | TV / Aerial Input, Component (YPbPr) Input, AV Input, SCART Input, VGA Input, HDMI Input, Sky Magic Eye IR Link, RS 232 Input, RJ 45 Input, IR IN and OUT, SPDIF Audio Output, USB Input | | | | |
| Waterproof Rating | CE, ROHS, ISO9001, ISO14001 | | | | |
| Package Contents | IP65 | | | | |
| Product Warranty | Outdoor TV, Waterproof Remote Control, Smart TV Wireless Keyboard, Power Adapter, User Manual, Installation Guide, Wall-Mount Bracket | | | | |
| | 2 Year Warranty | | | | |

Installation Guidelines

- We advise that a professional body should install our televisions. We do not take any liability for the television being installed incorrectly and then causing damage or harm to the installer or user.
- Please do not open or tamper with the television, as this can break the television seal, which may lead to water penetrating the internal parts of the television.
- The brackets provided can easily endure the weight of the television, however please confirm the area your fixing the bracket to can hold the television bracket and television weight safely.
- Install the television on a smooth surface and in an area where people are not likely to collide with the television once installed.
- Do not plug the power cable in an area subjected to water or moisture.

Installation Instructions - On Wall Installation Method

1. Attach the wall-mount section of the VESA bracket to the wall with the 4 x screws provided.
2. Attach the TV-mount section of the VESA bracket to the back of the television with the provided screws.
3. Simply offer the television up to the wall and slide the two brackets into one another, and then fix securely in place using the locking screws.



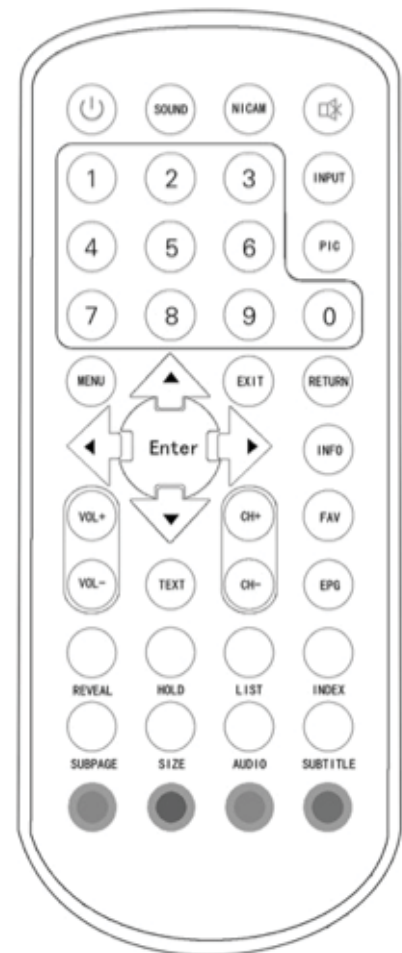
| Installation Data | | | |
|-------------------------|------------------|------------------|------------------|
| Product | 32" | 42" | 55" |
| Wall Bracket Compliance | VESA 250 x 150mm | VESA 400 x 200mm | VESA 400 x 250mm |
| | | | VESA 600 x 300mm |

Remote Control Overview

- The waterproof remote controller comes with one CR2025 3V battery ready installed.
- The remote controller doesn't need syncing to the television.
- To control the television with the remote controller, simply aim the controller at the television. If there are barriers between the remote controller and television the response may be delayed or non-existent.
- For the best remote controller connection stay within 3-metres of the television and keep the remote at a 30-degree angle. The remote controller will stay connected to the television up to a distance of 8 meters.
- The remote controller is rated IPX5 waterproof classification. Do not submerge the remote controller underwater for long periods of time.
- To change the batteries use a coin to rotate the opening on the back of the remote controller.

Remote Control Key Functions

| Button | Function |
|---------------------|---|
| POWER | ON / Stand-By |
| SOUND | Switch to Sound Mode |
| NICAM | Enter or Exit the On-Screen DTV Menu within DTV |
| MUTE | Sound ON / OFF - The screen will display a MUTE logo when the sound is OFF |
| 0-9 | Manual Channel Selection |
| INPUT | Change Source Mode |
| PIC | Switch to Picture Mode |
| MENU | Enter or Exit the On-Screen Menu |
| ↑ / ↓ | Up / Down selector for the On-Screen Menu |
| ← / → | Left / Right selector for the On-Screen Menu |
| ENTER | Confirm selector for the On-Screen Menu |
| EXIT | Exit the On-Screen Menu |
| RETURN | Return to Previous Channel |
| INFO | Display the channel name or any other information that is present on the specific signal source |
| VOL+ | Increase the volume |
| VOL- | Decrease the volume |
| CH+ | Move up a channel |
| CH- | Move down a channel |
| FAV | Display your favorite channel list |
| EPG | Run the electronic program guide list within DTV |
| TEXT | Open Teletext |
| REVEAL | Reveal Hidden Text in Teletext |
| HOLD | Hold a page in Teletext |
| LIST | Enter List Mode in Teletext |
| INDEX | Enter Index Mode in Teletext |
| SUBPAGE | Reveal Subpage in Teletext |
| SIZE | Switch aspect ratio of the displayed picture |
| AUDIO | Enter Audio Mode in Teletext |
| SUBTITLE | Language Selection |
| COLOURED BUTTONS | Teletext Selector |



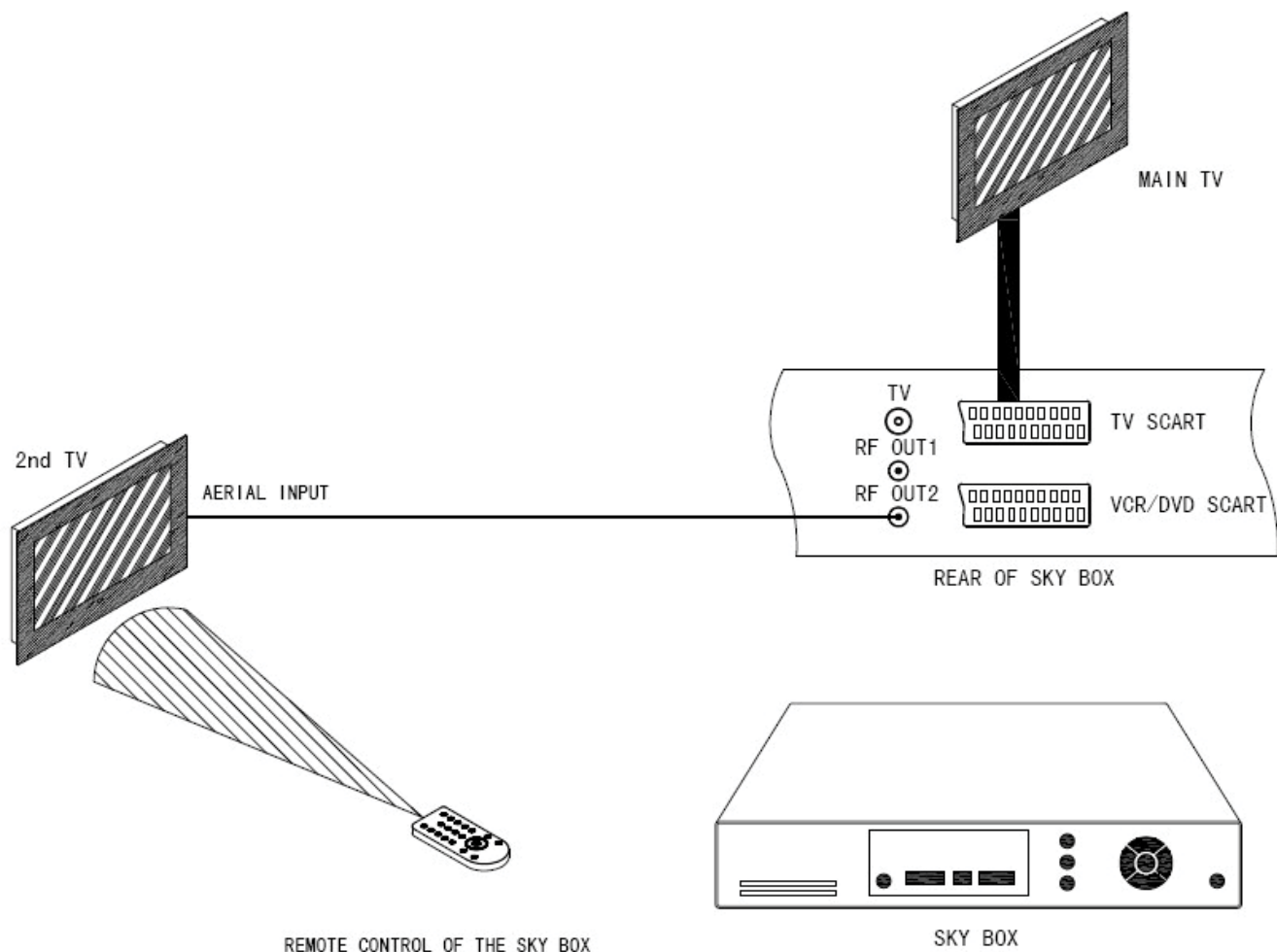
Sky Magic Eye IR Link Instructions

The built in Sky Magic Eye IR Link System allows you to control Sky Digital broadcasts on your Television... Enabling you to view Sky television programmes and control the Sky box from another location.

To setup the Sky Magic Eye IR Link System, you will need to run a length of coax cable from the socket marked RF2 output on the back of the Sky box directly to the televisions aerial input. Sky television programmes can then be viewed on the ANALOGUE part of the tuner. Your Sky box needs to be set up to facilitate for an RF2 output. Please refer to your Sky user guide on how to do this.

Control of the Sky system is available via either a standard Sky remote control or the included learning remote control. The IR receiver within the television will receive the IR signal from the remote control, send it back down the aerial cable to the Sky box allowing you to have complete control from another location.

Please refer to the diagram below for illustrative reference of how to set up your Sky Magic Eye IR Link System:

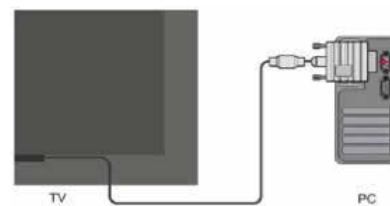


RS-232 Protocol

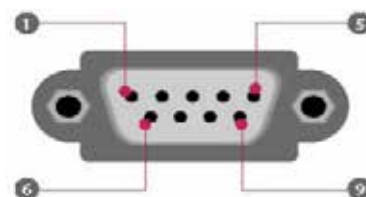
| Function | IR Code | CH Code | RS-232 Code |
|------------------|---------|---------|--------------|
| POWER ON | 2C | D4 | A0F055FF2CD4 |
| POWER OFF | 2E | D2 | A0F055FF2ED2 |
| SOUND | 4A | B6 | A0F055FF4AB6 |
| NICAM | 14 | EC | A0F055FF14EC |
| MUTE | 08 | F8 | A0F055FF08F8 |
| 1 | 54 | AC | A0F055FF54AC |
| 2 | 16 | EA | A0F055FF16EA |
| 3 | 15 | EB | A0F055FF15EB |
| 4 | 50 | B0 | A0F055FF50B0 |
| 5 | 12 | EE | A0F055FF12EE |
| 6 | 11 | EF | A0F055FF11EF |
| 7 | 4C | B4 | A0F055FF4CB4 |
| 8 | 0E | F2 | A0F055FF0EF2 |
| 9 | 0D | F3 | A0F055FF0DF3 |
| 0 | 0C | F4 | A0F055FF0CF4 |
| INPUT | 17 | E9 | A0F055FF17E9 |
| PIC | 4E | B2 | A0F055FF4EB2 |
| MENU | 18 | E8 | A0F055FF18E8 |
| UP | 1A | E6 | A0F055FF1AE6 |
| RIGHT | 07 | F9 | A0F055FF07F9 |
| LEFT | 47 | B9 | A0F055FF47B9 |
| DOWN | 48 | B8 | A0F055FF48B8 |
| ENTER | 06 | FA | A0F055FF06FA |
| EXIT | 0A | F6 | A0F055FF0AF6 |
| RETURN | 49 | B7 | A0F055FF49B7 |
| INFO | 5C | A4 | A0F055FF5CA4 |
| VOL+ | 4B | B5 | A0F055FF4BB5 |
| VOL- | 4F | B1 | A0F055FF4FB1 |
| CH+ | 09 | F7 | A0F055FF09F7 |
| CH- | 05 | FB | A0F055FF05FB |
| FAV | 58 | A8 | A0F055FF58A8 |
| TEXT | 03 | FD | A0F055FF03FD |
| EPG | 40 | C0 | A0F055FF40C0 |
| REVEAL | 5E | A2 | A0F055FF5EA2 |
| LIST | 52 | AE | A0F055FF52AE |
| HOLD | 5A | A6 | A0F055FF5AA6 |
| INDEX | 56 | AA | A0F055FF56AA |
| SUBPAGE | 5F | A1 | A0F055FF5FA1 |
| SIZE | 5B | A5 | A0F055FF5BA5 |
| AUDIO | 53 | AD | A0F055FF53AD |
| SUBTITLE | 57 | A9 | A0F055FF57A9 |
| RED | 5D | A3 | A0F055FF5DA3 |
| GREEN | 59 | A7 | A0F055FF59A7 |
| YELLOW | 51 | AF | A0F055FF51AF |
| BLUE | 55 | AB | A0F055FF55AB |
| DTV | 21 | DF | A0F055FF21DF |
| ATV | 26 | DA | A0F055FF26DA |
| COMPONENT | 2F | D1 | A0F055FF2FD1 |
| PC-RGB | 61 | 9F | A0F055FF619F |
| HDMI1 | 64 | 9C | A0F055FF649C |
| HDMI2 | 6D | 93 | A0F055FF6D93 |
| HDMI3 (Internet) | 6E | 92 | A0F055FF6E92 |
| SCART | 6F | 91 | A0F055FF6F91 |
| S-VIDEO | 45 | BB | A0F055FF45BB |
| AV1 | 42 | BE | A0F055FF42BE |

This RS-232 input connector allows the Television to receive command codes from Home Automation Systems.

Connection



RS-232 Port Pin Configuration



| Pin | Function |
|-----|---------------------|
| 1 | Data Carrier Data |
| 2 | Receiver Data |
| 3 | Transmit Data |
| 4 | Data Terminal Ready |
| 5 | Signal Ground |
| 6 | Data Set Ready |
| 7 | Request To Send |
| 8 | Clear To Send |
| 9 | Ring Indicator |

Communication Settings

| | |
|-------------|-----------|
| Port | COM |
| Code | Hex form |
| Baud Rate | 38400 bps |
| Data length | 8 bits |
| Parity Bit | None |
| Stop Bit | 1 bit |

Command Code Sequence

A0 F0 55 FF <IR Code> <CH Code>

The time of the command sequence must be <500 ms.

The interval time of two continuous command sequences must be >500 ms.

IR Remote Control Codes

To program an IR Remote Control to transmit an IR Signal to operate the Television, please refer to the codes (NEC Protocol – Address 00FF) in the table below:

| Function | Hex Code | | | |
|--------------|----------|---|---|---|
| POWER ON | 2 | C | D | 3 |
| POWER OFF | 2 | E | D | 1 |
| POWER TOGGLE | 1 | C | E | 3 |
| SOUND | 4 | A | B | 5 |
| NICAM | 1 | 4 | E | B |
| MUTE | 0 | 8 | F | 7 |
| 1 | 5 | 4 | A | B |
| 2 | 1 | 6 | E | 9 |
| 3 | 1 | 5 | E | A |
| 4 | 5 | 0 | A | F |
| 5 | 1 | 2 | E | D |
| 6 | 1 | 1 | E | E |
| 7 | 4 | C | B | 3 |
| 8 | 0 | E | F | 1 |
| 9 | 0 | D | F | 2 |
| 0 | 0 | C | F | 3 |
| INPUT | 1 | 7 | E | 8 |
| PIC | 4 | E | B | 1 |
| MENU | 1 | 8 | E | 7 |
| UP | 1 | A | E | 5 |
| RIGHT | 0 | 7 | F | 9 |
| LEFT | 4 | 7 | B | 8 |
| DOWN | 4 | 4 | B | 7 |
| ENTER | 0 | 6 | F | 9 |
| EXIT | 0 | A | F | 5 |
| RETURN | 4 | 9 | B | 6 |
| INFO | 5 | C | A | 3 |
| VOL+ | 4 | B | B | 4 |
| VOL- | 4 | F | B | 0 |
| CH+ | 0 | 9 | F | 6 |
| CH- | 0 | 5 | F | A |
| FAV | 5 | 8 | A | 7 |
| TEXT | 0 | 3 | F | C |
| EPG | 4 | 0 | B | F |
| REVEAL | 5 | E | A | 1 |
| LIST | 5 | 2 | A | D |
| HOLD | 5 | A | A | 5 |
| INDEX | 5 | 6 | A | 9 |
| SUBPAGE | 5 | F | A | 0 |
| SIZE | 5 | B | A | 4 |
| AUDIO | 5 | 3 | A | C |
| SUBTITLE | 5 | 7 | A | 8 |
| RED | 5 | D | A | 2 |
| GREEN | 5 | 9 | A | 6 |
| YELLOW | 5 | 1 | A | E |
| BLUE | 5 | 5 | A | A |
| DTV | 2 | 1 | D | E |
| ATV | 2 | 6 | D | 9 |
| COMPONENT | 2 | F | D | 0 |
| PC-RGB | 6 | E | 9 | E |
| HDMI | 6 | 4 | 9 | B |
| INTERNET | 6 | E | 9 | 1 |
| SCART | 6 | F | 9 | 0 |
| S-VIDEO | 4 | 5 | B | A |
| AV | 4 | 2 | B | D |

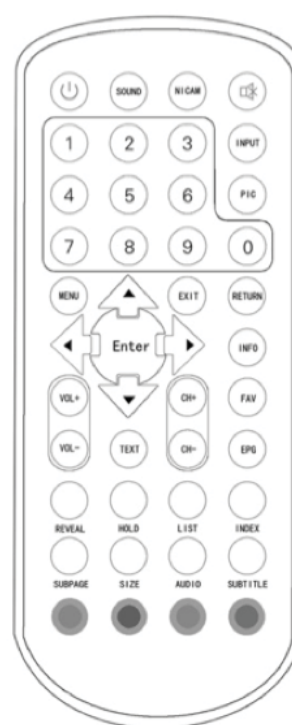
These Codes can be used to program an IR Remote Control to transmit an IR Signal to operate the Television.

Command Code Sequence

The code sequence is a DEMODULATED NEC protocol format. The address format is as below:

00FF <Hex Code>

An example of the “Power ON” command code delivered to the TV via the IR Remote Control is: 00FF2CD3



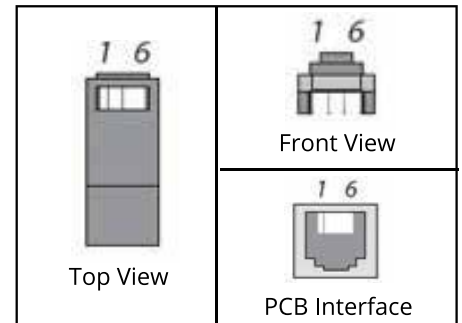
RJ12 Command Codes

Command Codes for RJ12 Connector - NEC Protocol - Address 00FF

| Function | Hex Code | | | |
|--------------|----------|---|---|---|
| POWER ON | 2 | C | D | 3 |
| POWER OFF | 2 | E | D | 1 |
| POWER TOGGLE | 1 | C | E | 3 |
| SOUND | 4 | A | B | 5 |
| NICAM | 1 | 4 | E | B |
| MUTE | 0 | 8 | F | 7 |
| 1 | 5 | 4 | A | B |
| 2 | 1 | 6 | E | 9 |
| 3 | 1 | 5 | E | A |
| 4 | 5 | 0 | A | F |
| 5 | 1 | 2 | E | D |
| 6 | 1 | 1 | E | E |
| 7 | 4 | C | B | 3 |
| 8 | 0 | E | F | 1 |
| 9 | 0 | D | F | 2 |
| 0 | 0 | C | F | 3 |
| INPUT | 1 | 7 | E | 8 |
| PIC | 4 | E | B | 1 |
| MENU | 1 | 8 | E | 7 |
| UP | 1 | A | E | 5 |
| RIGHT | 0 | 7 | F | 9 |
| LEFT | 4 | 7 | B | 8 |
| DOWN | 4 | 4 | B | 7 |
| ENTER | 0 | 6 | F | 9 |
| EXIT | 0 | A | F | 5 |
| RETURN | 4 | 9 | B | 6 |
| INFO | 5 | C | A | 3 |
| VOL+ | 4 | B | B | 4 |
| VOL- | 4 | F | B | 0 |
| CH+ | 0 | 9 | F | 6 |
| CH- | 0 | 5 | F | A |
| FAV | 5 | 8 | A | 7 |
| TEXT | 0 | 3 | F | C |
| EPG | 4 | 0 | B | F |
| REVEAL | 5 | E | A | 1 |
| LIST | 5 | 2 | A | D |
| HOLD | 5 | A | A | 5 |
| INDEX | 5 | 6 | A | 9 |
| SUBPAGE | 5 | F | A | 0 |
| SIZE | 5 | B | A | 4 |
| AUDIO | 5 | 3 | A | C |
| SUBTITLE | 5 | 7 | A | 8 |
| RED | 5 | D | A | 2 |
| GREEN | 5 | 9 | A | 6 |
| YELLOW | 5 | 1 | A | E |
| BLUE | 5 | 5 | A | A |
| DTV | 2 | 1 | D | E |
| ATV | 2 | 6 | D | 9 |
| COMPONENT | 2 | F | D | 0 |
| PC-RGB | 6 | E | 9 | E |
| HDMI | 6 | 4 | 9 | B |
| INTERNET | 6 | E | 9 | 1 |
| SCART | 6 | F | 9 | 0 |
| S-VIDEO | 4 | 5 | B | A |
| AV | 4 | 2 | B | D |

This RJ12 input connector allows the Television to be integrated with Interactive Hotel TV Systems.

Standard Configuration



| Pin | Function |
|-----|---|
| 1 | Not Connected |
| 2 | Command code from the external equipment to TV (0V/5V nominal) |
| 3 | Not Connected |
| 4 | TV On signal from TV to the external equipment (On = 5V, Standby = 0V nominal) |
| 5 | 0V - DC Ground |
| 6 | Demodulated IR Signal from the TV IR sensor to the external equipment (0V/5V nominal) |

The voltage levels that are accepted as an input on pin #2 (command code from external equipment) are - High + 5V DC / Low 0V DC.

Please note that when the input on pin #2 is inactive / idle, it must be held HIGH. If held LOW then all subsequent codes will fail and the TV shall be unresponsive.

Command Code Sequence

The code sequence sent to the RJ12 connector is a DEMODULATED NEC protocol format. The address format is as below:

00FF <Hex Code>

An example of the "Power ON" command code delivered to the TV via the RJ12 connector is: 00FF2CD3

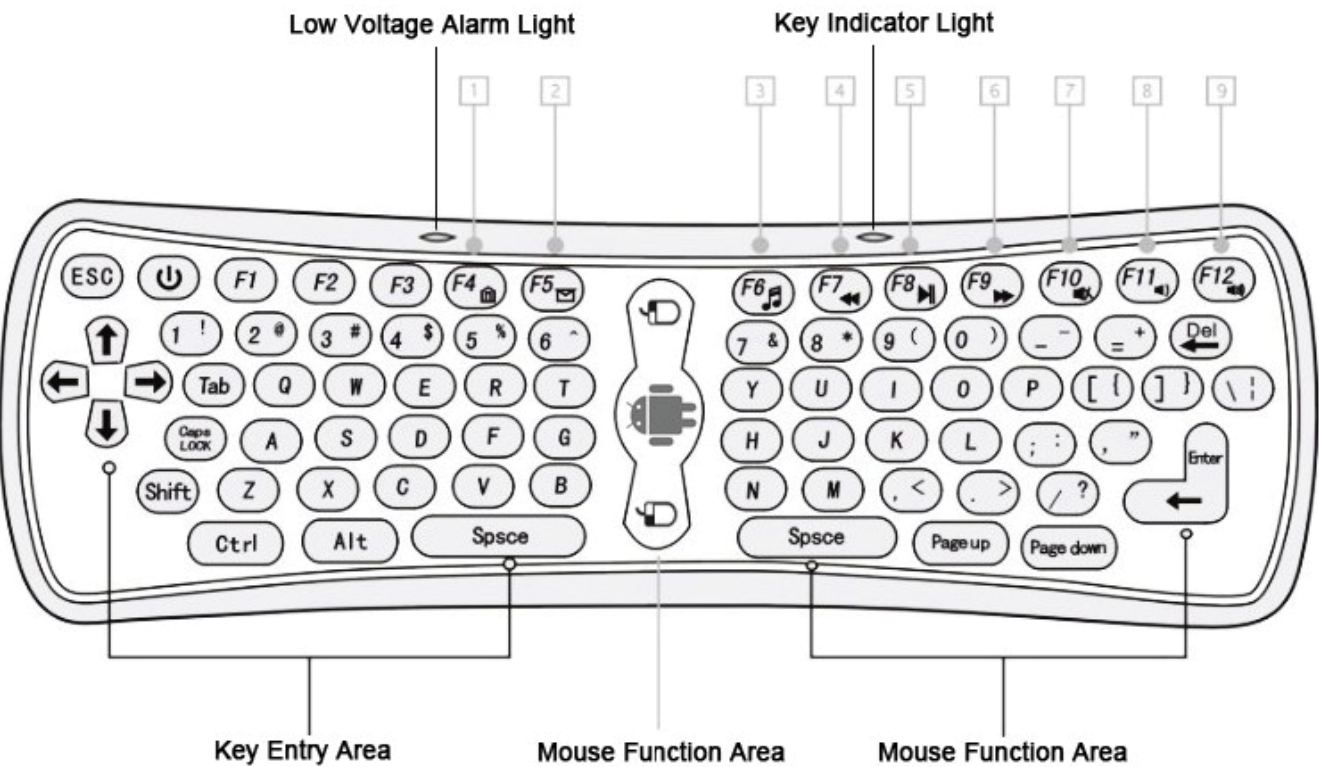
IR Link In & Out Instructions

IR Links enable control of external equipment via the IR sensor on the Television, and control of the Television from a remote location.

| IR Link IN | |
|---|--|
| <p>The IR Link IN is a 3.5mm stereo jack socket. This socket allows an auxiliary IR sensor receiver (included) to be connected to the Television to enable remote control of the Television from a different point other than the front of the Television.</p>  |  |

| IR Link OUT | |
|---|--|
|  | <p>The IR Link OUT is a 3.5mm mono jack socket. The IR signal sensed by the Television is outputted from this socket to an IR emitter (included). This will enable the remote control of external equipment, such as a DVD player from the Television itself.</p>  |

Smart TV Remote Control Key Functions

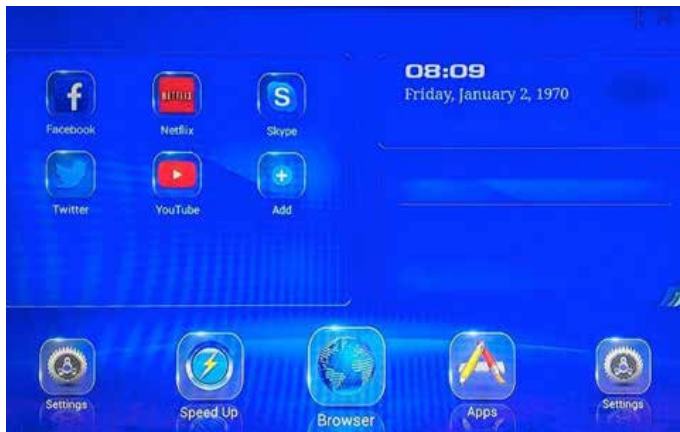


| Button | Function |
|---|---|
| | Power ON / Stand by |
| [F4] | Open the system default home page within the web browser |
| [F5] | Open the system default email client |
| [F6] | Open the system default media player |
| [F7] | Play previous media |
| [F8] | Play or Pause media |
| [F9] | Play next media |
| [F10] | Sound ON / OFF - The screen will display a MUTE logo when the sound is OFF. |
| [F11] | Decrease the volume |
| [F12] | Increase the volume |
| Note: Other key functions are the same as those of a standard keyboard. | |

| Mouse Function | |
|----------------|--|
| | Right button of the mouse |
| | Cursor key. Hold down this key and the cursor will move with the movement of the remote control. Release the key and the cursor position will be locked. |
| | Left button of the mouse |

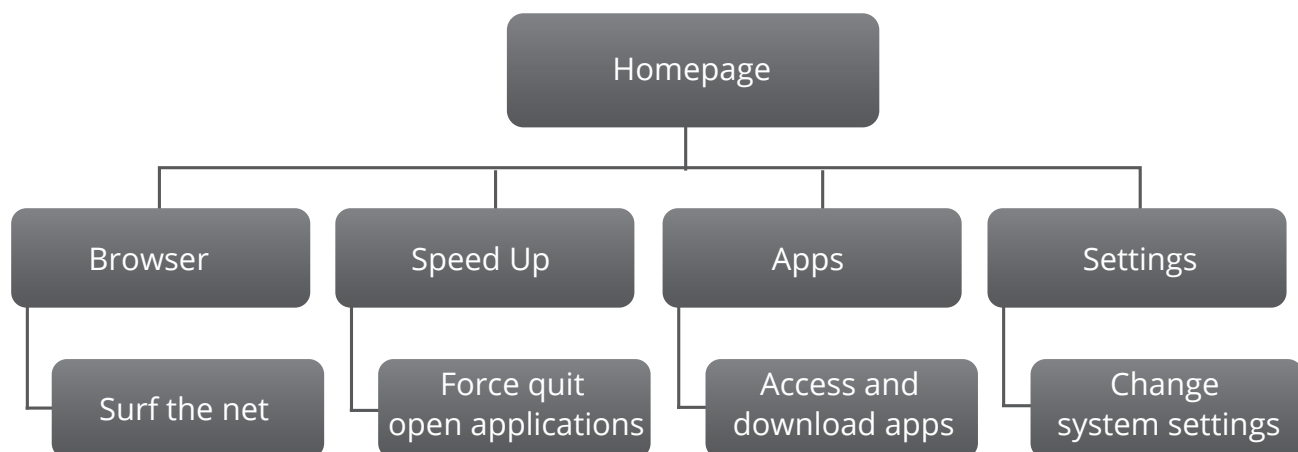
Smart TV User Guide

1.0 Specification



- Built on a Linux-based Android operating system developed by Google
- Equipped with Wi-Fi and Ethernet input for internet connectivity
- Google Play Application installed as standard allowing you to access and download a multitude of android applications
- Supports USB input and Media Player for presentation of media (picture, video and audio) in a wide range of formats
- Supports wireless keyboard and mouse
- Supports multiple languages

2.0 Homepage Interface



3.0 Network Setup Instructions

WI-FI Connectivity

- Select "Settings" on the Smart TV homepage menu
- Set Wi-Fi to be "ON" and the system will automatically scan for available wireless networks
- Once the scanning process has finished, the available networks will be listed on the screen
- Select the wireless network to connect with, and if secure, enter the relevant password

Note: when in Wi-Fi mode, the signal status indicator will be displayed in the status bar at the top of the page, which describes the current strength of signal.

LAN Connectivity

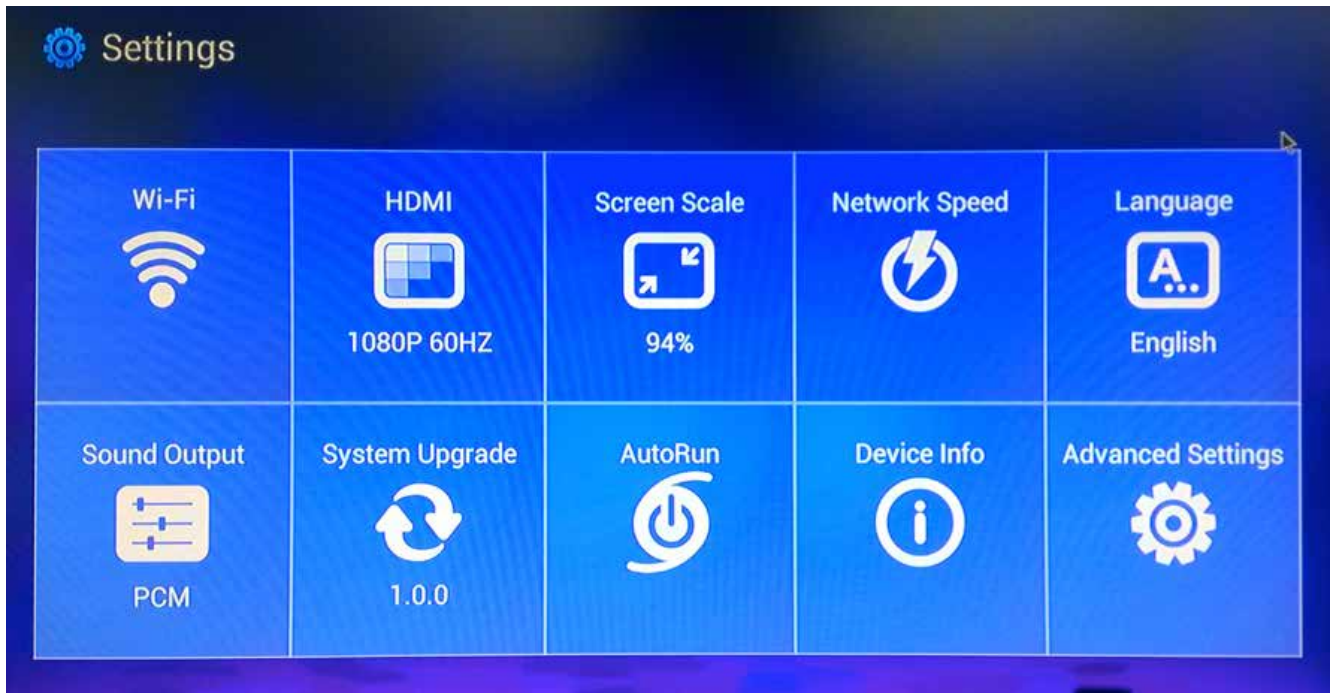
- Select "Settings" on the Smart TV homepage menu
- Select "Advanced Settings"
- Set "Ethernet" to be "ON"

If your network allows for dynamic acquisition of IP address, then the system will automatically acquire the IP address for you. If your network does not allow dynamic acquisition of IP address, then you will have to select "Static IP Settings" and input the relevant information accordingly.

4.0 Apps Page Screenshot



5.0 Settings Menu



Wi-Fi: Setup and select Wi-Fi network.

HDMI: Change the screen resolution.

Screen Scale: Adjust the zoom ratio.

Network Speed: Test the network status.

Language: Change the text language.

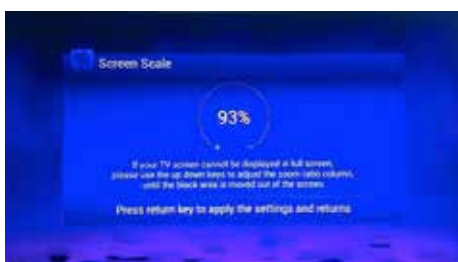
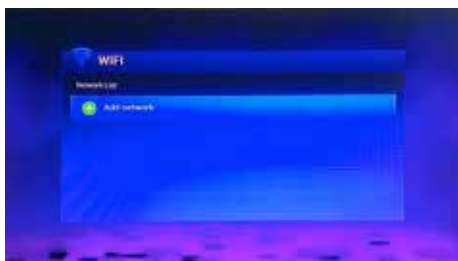
Sound Output: Select audio output.

System Upgrade: Upgrade software.

AutoRun: Select apps to auto-run on start up.

Device Info: View system information.

Advanced Settings: Change further system settings.



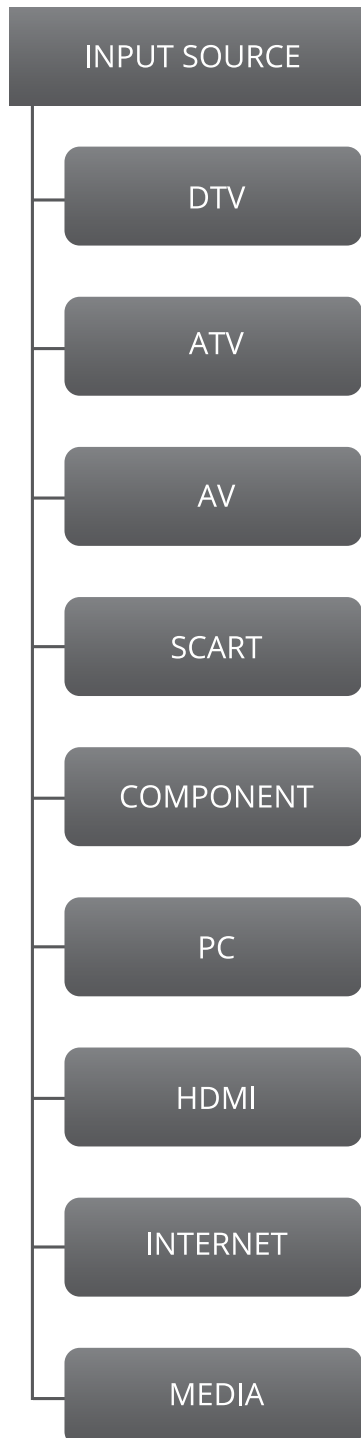
OSD Menu User Guide - 1.1 Input Source Menu

Press the INPUT button to display the input source menu.

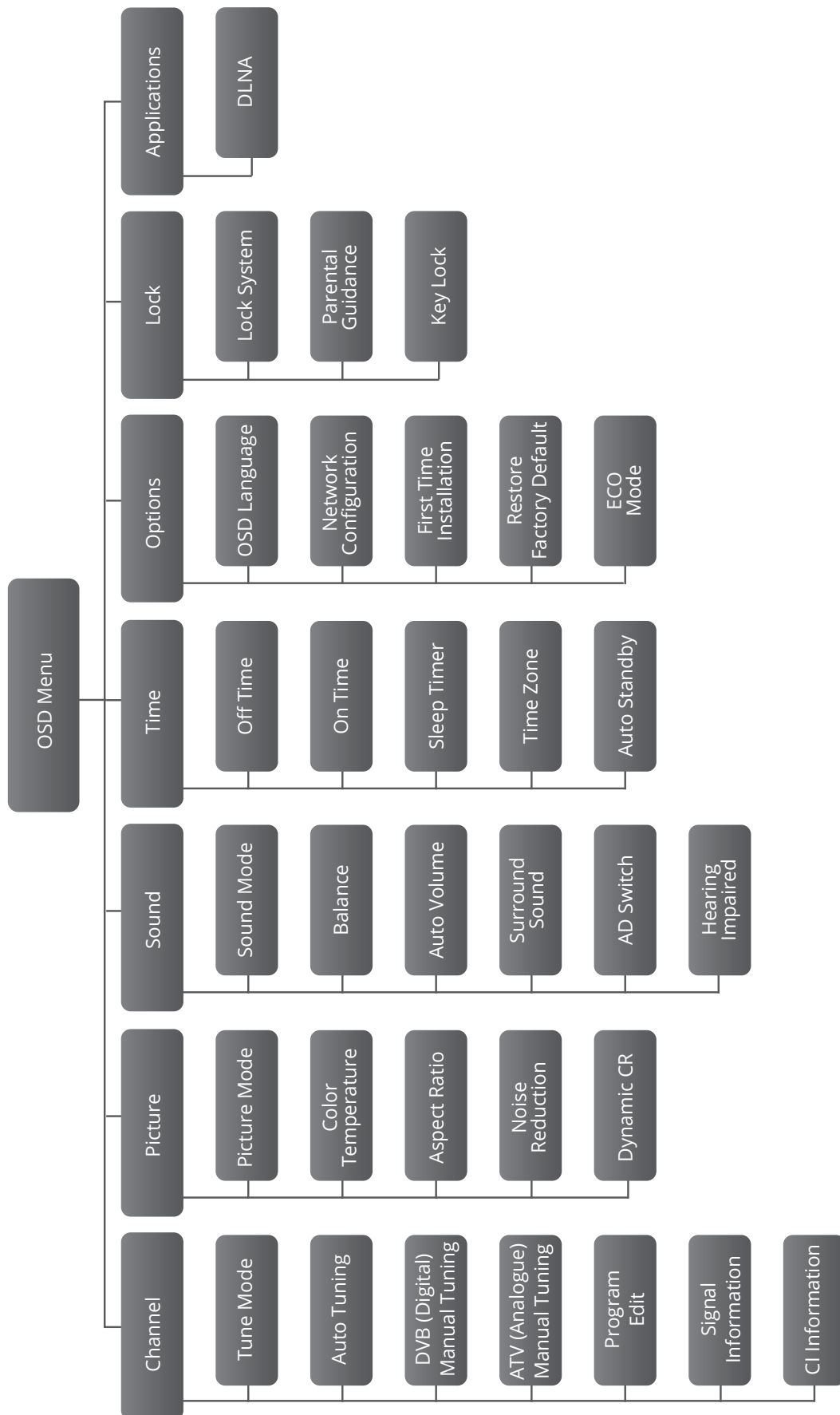
Press ▼ / ▲ to select the input source you want to select.

Press the OK button to enter the input source.

Press the EXIT button to quit.



OSD Menu User Guide - 1.2 Main Menu Layout



OSD Menu User Guide - 1.3 Channel Menu

Press MENU button to display the main menu. Then press ◀ / ▶ buttons to select CHANNEL in the main menu.



Press ▲ / ▼ buttons to select the option that you want to adjust in the CHANNEL menu.

Press ENTER button to adjust.

After finishing your adjustments, press MENU button to save and return back to the previous menu.

Tune Mode

Press ▲ / ▼ buttons to select Tune Mode, then press ENTER button to enter the sub-menu.

Press ◀ / ▶ buttons to select tuner mode.

Tuner mode options: Antenna and Cable.

Auto Tuning

Press ▲ / ▼ buttons to select Auto Tuning, then press ENTER button to start auto tuning.

DVB (Digital) Manual Tuning

Press ▲ / ▼ buttons to select DVB Manual Tuning, then press ENTER button.

Press ◀ / ▶ buttons to select the channel, then press ENTER button to search for the programs.

ATV (Analogue) Manual Tuning

Press ▲ / ▼ buttons to select ATV Manual Tuning, then press ENTER button.

Press ◀ / ▶ buttons to select the channel, then press ENTER button to search for the programs.

Program Edit

Press ▲ / ▼ buttons to select Program Edit, then press ENTER button to enter the sub-menu.

Press ▲ / ▼ / ◀ / ▶ buttons to edit the programs and program order required.

Signal Information

Press ▲ / ▼ buttons to select Signal Information, then press ENTER button and you can see the information of the signal.

CI Information

Press ▲ / ▼ buttons to select CI Information, then press ENTER button and you can see the information of the common interface.

OSD Menu User Guide - 1.4 Picture Menu

Press MENU button to display the main menu. Then press ◀ / ▶ buttons to select PICTURE in the main menu.



Press ▲ / ▼ buttons to select the option that you want to adjust in the PICTURE menu.

Press ENTER button to adjust.

After finishing your adjustments, press MENU button to save and return back to the previous menu.

Picture Mode

Press ▲ / ▼ buttons to select Picture Mode, then press ENTER button to enter the sub-menu.

Press ◀ / ▶ buttons to select picture mode.

Picture mode options: Standard, Movie, User and Dynamic. Contrast, Brightness, Saturation, sharpness and Hue can be adjusted when it is under User Mode.

Color Temperature

Press ▲ / ▼ buttons to select Color Temperature, then press ENTER button to enter the sub-menu.

Color temperature options: Normal, Warm and Cool.

Aspect Ratio

Press ▲ / ▼ buttons to select Aspect Ratio, then press ENTER button to enter the sub-menu.

Aspect ratio options: Auto, 4:3, 16:9, Zoom 1 and Zoom 2.

Noise Reduction

Press ▲ / ▼ buttons to select Noise Reduction, then press ENTER button to enter the sub-menu.

Noise reduction options: Low, Middle, High and Off.

Dynamic CR

Press ▲ / ▼ buttons to select Dynamic CR, then press ENTER button.

Press ◀ / ▶ buttons to select On or Off.

OSD Menu User Guide - 1.5 Sound Menu

Press MENU button to display the main menu. Then press ◀ / ▶ buttons to select SOUND in the main menu.



Press ▲ / ▼ buttons to select the option that you want to adjust in the SOUND menu.

Press ENTER button to adjust.

After finishing your adjustments, press MENU button to save and return back to the previous menu.

Sound Mode

Press ▲ / ▼ buttons to select Sound Mode, then press ENTER button to enter the sub-menu.

Press ◀ / ▶ buttons to select sound mode.

Sound mode options: Standard, Music, Movie, Sports and User. 120Hz, 500Hz, 1.5KHz, 5KHz and 10Khz can be adjusted when it is under User Mode.

Balance

Press ▲ / ▼ buttons to select Balance, then press ENTER button.

Press ◀ / ▶ buttons to adjust the balance.

Auto Volume

Press ▲ / ▼ buttons to select Auto Volume, then press ENTER button.

Press ◀ / ▶ buttons to select On or Off.

Surround Sound

Press ▲ / ▼ buttons to select Surround Sound, then press ENTER button.

Press ◀ / ▶ buttons to select On or Off.

AD Switch

Press ▲ / ▼ buttons to select AD Switch, then press ENTER button.

Press ◀ / ▶ buttons to select On or Off.

Hearing Impaired

Press ▲ / ▼ buttons to select Hearing Impaired, then press ENTER button.

Press ◀ / ▶ buttons to select On or Off.

OSD Menu User Guide - 1.6 Time Menu

Press MENU button to display the main menu. Then press ◀ / ▶ buttons to select TIME in the main menu.



Press ▲ / ▼ buttons to select the option that you want to adjust in the TIME menu.

Press ENTER button to adjust.

After finishing your adjustments, press MENU button to save and return back to the previous menu.

Off Time

Press ▲ / ▼ buttons to select Off Time, then press ENTER button.

Press ◀ / ▶ buttons to select on or off. If on is selected, the off time can be adjusted.

On Time

Press ▲ / ▼ buttons to select On Time, then press ENTER button.

Press ◀ / ▶ buttons to select on or off. If on is selected, the on time can be adjusted.

Sleep Timer

Press ▲ / ▼ buttons to select Sleep Timer, then press ENTER button.

Press ◀ / ▶ buttons to adjust.

Sleep timer options: Off, 10Mins, 20Mins, 30Mins, 60Mins, 90mins, 120Mins, 180Mins and 240Mins.

Time Zone

Press ▲ / ▼ buttons to select Time Zone, then press ENTER button.

Press ◀ / ▶ / ▲ / ▼ buttons to select the time zone required.

Auto Standby

Press ▲ / ▼ buttons to select Auto Standby, then press ENTER button.

Press ◀ / ▶ buttons to adjust. Auto Standby options: Off, 3H, 4H and 5H.

OSD Menu User Guide - 1.7 Options Menu

Press MENU button to display the main menu. Then press ◀ / ▶ buttons to select OPTIONS in the main menu.



Press ▲ / ▼ buttons to select the option that you want to adjust in the OPTIONS menu.

Press ENTER button to adjust.

After finishing your adjustments, press MENU button to save and return back to the previous menu.

OSD Language

Press ▲ / ▼ buttons to select OSD Language, then press ENTER button.

Press ◀ / ▶ buttons to select the language required.

Audio Language and Subtitle Language will be default to be the same language with the OSD Language.

Network Configuration

Press ▲ / ▼ buttons to select Network Configuration, then press ENTER button.

Network configuration: Wired Network and Wi-Fi Network.

First Time Installation

Press ▲ / ▼ buttons to select First Time Initiation, then press ENTER button to enter into a dialogue.

Press ◀ / ▶ buttons to select No and step into first time initiation.

Restore Factory Default

Press ▲ / ▼ buttons to select Restore Factory Default, then press ENTER button to enter into a dialogue.

Press ◀ / ▶ buttons to select No and step into restore factory default.

ECO Mode

Press ▲ / ▼ buttons to select ECO Mode, then press ENTER button.

ECO mode options: Low, Middle, High and Off.

OSD Menu User Guide - 1.8 Lock Menu

Press MENU button to display the main menu. Then press ◀ / ▶ buttons to select LOCK in the main menu.



Press ▲ / ▼ buttons to select the option that you want to adjust in the LOCK menu.

Press ENTER button to adjust.

After finishing your adjustments, press MENU button to save and return back to the previous menu.

Lock System

Press ▲ / ▼ buttons to select Lock System, then press ENTER button.

Press ◀ / ▶ buttons to select On or Off.

If it is on, Set Password, Block Program can be adjusted. The initial password is '0000' (four zero).

Parental Guidance

Press ▲ / ▼ buttons to select Parental Guidance, then press ENTER button.

Press ◀ / ▶ buttons to select On or Off.

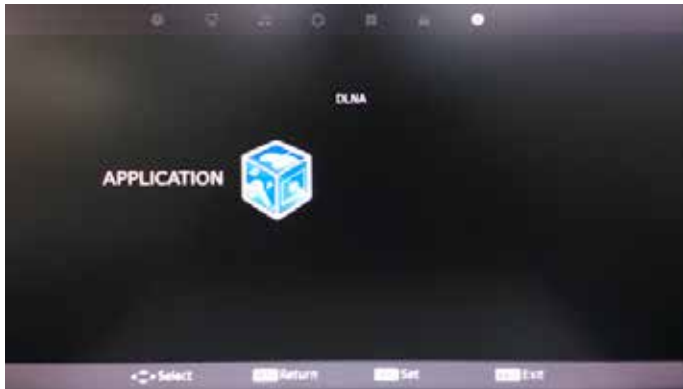
Key Lock

Press ▲ / ▼ buttons to select Key Lock, then press ENTER button.

Press ◀ / ▶ buttons to select On or Off.

OSD Menu User Guide - 1.9 Applications Menu

Press MENU button to display the main menu. Then press ◀ / ▶ buttons to select APPLICATION in the main menu.



Press ▲ / ▼ buttons to select the option that you want to adjust in the APPLICATION menu.

Press ENTER button to adjust.

After finishing your adjustments, press MENU button to save and return back to the previous menu.

DLNA

Press ▲ / ▼ buttons to select DLNA, then press ENTER button. Then the following interface will appear.

Please Note: Make sure that USB disk is plugged in and the input source is set to Media Player before operating this media menu.



Photo

Press ◀ / ▶ buttons to select Photo, then press ENTER.

Press ◀ / ▶ / ▲ / ▼ buttons to select the photo that you want to see.

Music

Press ◀ / ▶ buttons to select Music, then press ENTER.

Press ◀ / ▶ / ▲ / ▼ buttons to select the music that you want to listen to.

Movie

Press ◀ / ▶ buttons to select Movie, then press ENTER.

Press ◀ / ▶ / ▲ / ▼ buttons to select the movie that you want to watch.

Text

Press ◀ / ▶ buttons to select Text, then press ENTER.

Press ◀ / ▶ / ▲ / ▼ buttons to select the text that you want to see.

Troubleshooting

If you are experiencing problems with your television please read through all the troubleshooting points below before contacting the provider.

| Problem Subjects | Possible Solutions |
|--------------------------------------|---|
| No Power | <ul style="list-style-type: none">• Check that there is a green light on the mains power cable – transformer. If the green light isn't ON then please check the connections.• Unplug the television from the mains for 5 minutes and check all connections. Plug the television in to mains and try again. |
| No Television Signal | <ul style="list-style-type: none">• Check whether the aerial that's connected to the television is getting a reception.• Check that the Coax cable has been plugged in to the television correctly.• Check that all other ports are working properly, including SCART, HDMI & USB. |
| Poor Picture Quality | <ul style="list-style-type: none">• Check or adjust the following screen settings: Contrast Ratio, Colour, Tint and Brightness.• Try returning the television settings back to factory settings or running the Auto Picture Function. |
| No Sound | <ul style="list-style-type: none">• Check that the MUTE function is not switched On.• Check that the audio inputs are connected correctly.• Increase the television volume.• Use the remote controller to reprogram the sound settings within the television's Main Menu. |
| Picture Shadow | <ul style="list-style-type: none">• This may be down to the quality of signal being received via the aerial antenna. Please consult an aerial specialist to run checks. |
| No Remote Controller Response | <ul style="list-style-type: none">• Change the batteries within the remote control.• The remote controller will only work within 8 meters of the television. |

If you are experiencing a fault that is not listed above then please contact the provider.

Warranty Details

- All Tech2o televisions are guaranteed to be free from defects in parts and manufacture for 2 years from the date of purchase, provided that the product is used under the normal operating conditions stated within the manual.
- The warranty is only available to the original purchaser and is not transferable. Your consumer rights are not affected.
- If there are any defects with your television please contact the provider stating your invoice number, date of purchase, full name and address.
- Do not attempt to repair or take apart the television your self. If the television has been tampered with before it arrives with us, the warranty will be void.
- We advise that all customers retain original packaging should the unit need to be returned.
- If your television occurs a problem outside of the warranty period, we offer a repair service where we can collect and professionally repair your television.

Notes

Notes

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ALL-WEATHER OUTDOOR TVs

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