

# ***STRONG***

LED TV with DVB-T/T2/C/S/S2

SRT 24HX4003

SRT 32HX4003

SRT 43FX4003

SRT 49FX4003

SRT 55FX4003

SRT 65FX4003



User Manual  
Bedienungsanleitung  
Manuel utilisateur  
Manuale utente  
Manual del Usuario  
Manual do Utilizador  
Gebruiksaanwijzing  
Instrukcja obsługi  
Uživatelská příručka

Používateľská príručka  
Korisnički priručnik  
Uputstvo za rukovanje  
Használati útmutató  
Инструкции за употреба  
Manual de Utilizare  
Руководство пользователя  
Посібник користувача



Fig. 4

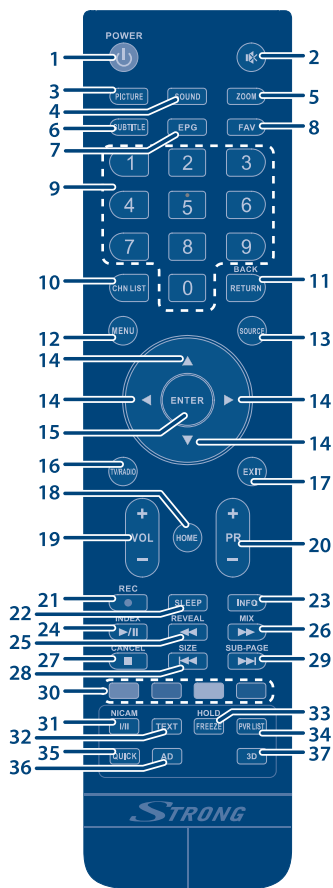


Fig. 5

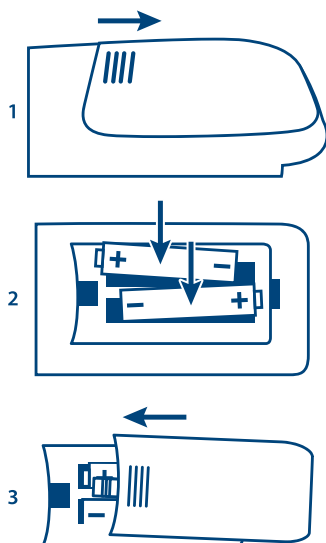


Fig. 6



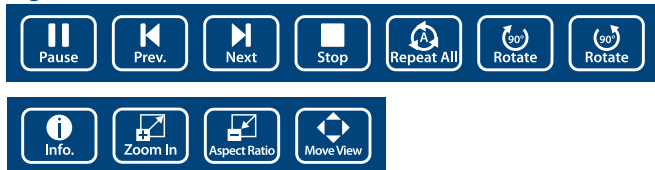
Fig. 7



Fig. 8



Fig. 9



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To obtain the best performance and safety, please read this manual carefully. Please keep this manual for future reference.

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STRONG declares that the equipment complies with the European Directive 2004/108/CE (EMC) and the Low Voltage Directive 2006/95/CE (LVD) in accordance with the following technical standards:

ELECTROMAGNETIC COMPATIBILITY

EN55013:2001 + A1:2003 + A2:2006; EN55020:2002 + A1:2003 + A2:2005; EN61000-3-2:2000 + A2:2005;

EN61000-3-3:1995 + A1:2001 + A2:2005

LOW VOLTAGE

EN60065:2002 + Amd.1:2006

It also complies with the Ministerial Decree no. 548.1 dated Aug. 28th, 1995 concerning the frequencies used in Italy by broadcast receivers and complies with RoHS Directive 2002/95/EC.

This equipment is manufactured in compliance with the provisions stated in the Ministerial Decree 26/03/92, in particular with Article 1 of the same, and it also complies with the Circular 97/D dated Apr. 29th, 1999.

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# 1.0 INSTRUCTION


## 1.1 Safety Instructions

Read all of the instructions before operating the set. Keep these instructions well for later use.

- Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery etc.).
- Please refer to the information on the exterior back enclosure for electrical and safety information before installing or operating the apparatus.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.
- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.



- The mark  indicates a risk of electric shock. The external wires must be installed by an instructed person or ready-made leads or cords must be used.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- Danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent types.
- The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Excessive sound pressure from earphones and headphones can cause hearing loss. Listening to music at high volume levels and for extended durations can damage one's hearing.
- In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels.
- The mains plug or appliance coupler is used as disconnect device, it shall remain readily operable. When not in use and during movement, please take care of the power cord set, e.g. tie up the power cord set with cable tie or something like that. It shall be free from sharp edges or similar which can cause abrasion of the power cord set. When put into use again, please make sure the power cord is not damaged. In case of damages, please get the power cord replaced by a similar one with the same specifications. The absence of a light indication on the apparatus does not mean that it is fully disconnected from the mains. To disconnect the apparatus completely, the mains plug must be pulled out.
- Attention should be drawn to environmental aspects of battery disposal.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
-  To prevent the spread of fire, keep candles or other open flames away from this product at all times.

- A USB terminal can provide a maximum of 500 mA.
-  Protective earthing terminal. An apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

### Operating Environment

- Do not install this equipment in a confined space such as a bookcase or similar unit.
- Do not use the set near damp, and cold areas, protect the set from overheating.
- Keep away from direct sunlight.

- Do not use the set near dust place.
- Do not attach candle to accessible opening area, to avoid flammable foreign material from entering the TV.

## 1.2 WEEE Directive



Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

## 1.3 Storage

Your device has been carefully checked and packed before shipping. When unpacking it, make sure that all the parts are included and keep the packaging away from children. We recommend that you keep the carton during the warranty period, to keep your device perfectly protected in the event of repair or warranty.

## 1.4 Accessories

- 1x Installation instructions
- 1x stand assembly instruction
- 1x remote control
- 2x AAA batteries
- 1x main power cable (32" – 65")
- 1x power adapter 12 V DC 3 A (24")

## 1.5 Equipment set-up

**Fig. 1**

Install the display on a solid horizontal surface such as a table or desk. For ventilation, leave a space of at least 10 cm free all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set. This apparatus can be used in tropical and/or moderate climates.

This user manual provides complete instructions for installing and using this TV. The symbols serve as follows.

**WARNING:** Indicates warning information.

**NOTE:** Indicates any other additional important or helpful information.

**MENU** Represents a button on the remote control or the TV.  
(**Bold characters**)

*Move to* Represents a menu item within a window.  
(*Italic characters*)



## 2.0 INSTALLATION

### 2.1 Default PIN code: 0000

### 2.2 Front panel

Fig. 2

**NOTE:** The graphics are for representation only.

1. Power indicator /remote sensor
2. Standby button\*
3. Speakers



\* except 24": see chapter 2.3.1

### 2.3 Rear panel

Fig. 3


**NOTE:** The graphics are for representation only.

#### 2.3.1 24 inch


- |  |  |
|--|--|
| 1. ▲   | Programme up button  |
| 2. ▼   | Programme down button  |
| 3.    | Opens the main menu. Press short to enter the main menu or press and hold to enter standby mode                |
| 4. ANTENNA (AIR/CABLE/LNB) IN:   | Connect an antenna, cable, satellite dish to the TV for searching and receiving programmes.                    |
| 5. HDMI1/HDMI2:  | Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console.                    |
| 6. SCART:  | Connect devices like DVD or VCR using SCART cable.   |
| 7. DC IN:  | Connect to the mains plug.   |
| 8. USB:  | USB port.  |
| 9.  | Headphone or Earphone audio output, speakers will be muted when earphone is plugged in and headphone selected. |
| 10. SERVICE:   | Service port.  |
| 11. PCMCIA:  | Connect a Conditional Access Module (CAM).   |

#### 2.3.2 32 inch

1. HDMI1 (MHL)/HDMI2: Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console. HDMI1 port supports MHL function.
2. SCART: Connect devices like DVD or VCR using SCART cable.
3. ANTENNA (AIR/CABLE/LNB) IN: Connect an antenna , cable, satellite dish to the TV for searching programmes.



- |  |  |
|--|--|
| 4. <b>SERVICE ONLY:</b>  | Service port.  |
| 5. <b>CI+:</b>   | Connect a Conditional Access Module (CAM).   |
| 6. <b>USB 1:</b>   | USB port.  |
| 7.  : | Headphone or Earphone audio output, speakers will be muted when earphone is plugged in and headphone selected. |

### 2.3.3 43 inch, 49 inch, 55 inch, 65 inch

- |  |   |
|--|---|
| 1. <b>S/PDIF OUT:</b>  | Use a RCA cable to connect your TV to a compatible digital amplifier or Home theatre set.                                     |
| 2. <b>USB 2:</b>   | USB port.   |
| 3. <b>HDMI 3/HDMI 2:</b>   | Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console.                                   |
| 4. <b>SCART:</b>   | Connect devices like DVD or VCR using SCART cable.  |
| 5. <b>PC IN:</b>   | Connect a PC via VGA cable.   |
| 6. <b>PC AUDIO IN:</b>   | Audio input for PC and audio input for HDMI when the signal is DVT timing.  |
| 7. <b>ANTENNA (AIR/CABLE/LNB) IN:</b>  | Connect an antenna, cable, satellite dish to the TV for searching and receiving programmes.                                   |
| 8. <b>AV IN:</b>   | Connect AUDIO and VIDEO input signals from a signal source such as DVD.   |
| 9.  : | Headphone or Earphone audio output, speakers will be muted when earphone is plugged in and headphone selected.                |
| 10. <b>CI+</b>   | Connect a Conditional Access Module (CAM).  |
| 11. <b>HDMI 1 (MHL):</b>   | Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console. HDMI1 port supports MHL function. |
| 12. <b>USB 1:</b>  | USB port  |

## 2.4 Remote control

**Fig. 4**

- |  |  |
|--|--|
| 1.  | Press to turn the TV on or standby.  |
| 2.  | Press to mute or restore the volume.   |
| 3. <b>PICTURE</b>  | Change picture mode.   |
| 4. <b>SOUND</b>  | Change sound mode.   |
| 5. <b>ZOOM</b>   | Change aspect ratio.   |
| 6. <b>SUBTITLE</b>   | Enable/disable subtitles in DTV/USB mode.  |
| 7. <b>EPG</b>  | Press to display the current EPG information in DTV mode.  |
| 8. <b>FAV</b>  | Press to view your assigned favourite channels. Press <b>▲ ▼</b> to cycle through your assigned favourite channels, press <b>ENTER</b> to confirm. |
| 9. <b>0~9</b>  | Choose channel directly.   |
| 10. <b>CHN LIST</b>  | Press to enter into the channel list.  |
| 11. <b>RETURN</b>  | Press to back to previous viewed channel.  |
| 12. <b>MENU</b>  | Open the menu options.   |
| 13. <b>SOURCE</b>  | Select the input source mode.  |
| 14. <b>▲ ▼ ◀ ▶</b>   | Navigate the menu.   |
| 15. <b>ENTER</b>   | Confirm the selection.   |

- |                    |   |
|--------------------|---|
| 16. TV/RADIO       | Switch between TV and radio.  |
| 17. EXIT           | Exit the current menu.  |
| 18. HOME           | Enter the home desktop. If your TV doesn't have HOME function, this button will not work.   |
| 19. VOL +/-        | Adjust the volume up or down.   |
| 20. PR +/-         | Change programmes up or down.   |
| 21. ●              | Press to record the current programme (only working in DTV mode).   |
| 22. SLEEP          | Select the sleep time, such as 10 min, 20 min etc.  |
| 23. INFO           | Display information about the current source.   |
| 24. ►/II           | Press to pause playback, press again to continue playback.  |
| 25. ◀◀             | Press to fast reverse.  |
| 26. ▶▶             | Press to fast forward.  |
| 27. ■              | Press to stop playback.   |
| 28. ◀◀             | Press to play the previous file.  |
| 29. ▶▶             | Press to play the next file.  |
| 30. COLOUR BUTTONS | Press to execute the prompt function in TV or DTV mode.   |
| 31. I/II           | Press to select sound output depending on the broadcasting channel.   |
| 32. TEXT           | Press to enter or exit the teletext menu.   |
| 33. FREEZE         | Freeze the picture on the screen (not available in USB mode).   |
| 34. PVR LIST       | Display the recording file list.  |
| 35. QUICK          | No function.  |
| 36. AD             | Press to turn on audio description, a narrator will describe what is happening on the screen for blind or visually impaired viewers. Press again to turn it off. (depending on broadcast) |
| 37. 3D             | No function.  |

#### Teletext control buttons

- |            |  |
|------------|--|
| ■ HOLD     | Press to hold the teletext page on screen without update and changes. Press again to release the hold state.   |
| ■ SIZE     | Enlarge the teletext display. Press this button once to enlarge upper half of the screen. Press this button again to enlarge lower half of the screen. Press this button again to resume to normal screen size.                      |
| ■ REVEAL   | Press this button to display concealed information, such as solutions to riddles or puzzles. Press again to remove the information from the display.   |
| ■ MIX      | Press this button to superimpose the teletext over the TV programme. Press again to return to normal teletext mode.  |
| ■ SUB-PAGE | Press this button to enter or exit subpage mode (if subpage is available). Press the <b>RED</b> or <b>GREEN</b> buttons to select a subpage.v  |
| ■ INDEX    | Press this button to display index page.   |
| ■ CANCEL   | Press this button to return to TV programme temporarily while searching for a Teletext page. When the search is done, the page number will be displayed on the upper left of the screen. Press again to return to the Teletext page. |

## 2.5 Installing the batteries

**Fig. 5**

Place 2x AAA batteries in the battery compartment of the remote control. Make sure to match the polarity markings inside the compartment.

**NOTE:** Pictures are only for reference. Actual items may differ.

1. Slide the cover horizontally.
2. Put 2x AAA batteries in the compartment and make sure the polarity is correct.
3. Slide horizontally to close the cover.

### Precautions for using the battery

Improper using of the battery will cause leakage. Carefully follow these instructions.

1. Please note the batteries' polarity to avoid short circuit.
2. When the battery's voltage is insufficient which affect the use range, you should replace it with a new battery. Remove the batteries from the remote control unit if you do not intend to use it for a long time.
3. Do not use different types of batteries (for example Manganese and Alkaline batteries) together.
4. Do not put the battery into fire, and charge or decompose the battery.
5. Please dispose batteries abide by relevant environmental protection regulation.

## 2.6 Using the remote control

- Use the remote control by pointing it towards the remote sensor. Items between the remote control and the remote sensor could block normal operation.
- Do not cause the remote control to vibrate violently. Also, do not splash liquid on the remote control, also do not put the remote control in a high humidity place.
- Do not place the remote control under direct sunlight which will cause deformation of the unit by heat.
- When the remote sensor is under direct sunlight or strong lighting, the remote control will not work. If so, please change the lighting or TV's position, or operate the remote control closer to the remote sensor.

## 3.0 FIRST TIME INSTALLATION

After all connections have been made properly, switch on your TV. The language selection will appear on screen. Use ▲ ▼ ◀ ▶ to select the *OSD Language* of your preference. Confirm with **ENTER** on your remote control.

Then the next screen appears with the tuner selection. Choose the one you like to use.

*Scan type*

Select which input source you want to use: *DVB-S* to receive satellite broadcasts (and if you are equipped with a satellite dish), *DVB-T* to receive terrestrial broadcasts or *DVB-C* to receive cable broadcasts.

## 3.1 DVB-S installation

### Satellite Setting

Press ▲ ▼ to highlight the satellite your dish is aimed at. The signal quality bar on the bottom of the screen allows you to fine tune the alignment of your antenna for optimum reception. Adjust your

antenna for maximum possible signal quality. When the signal cannot be improved anymore, fix the dish on this position and press the **BLUE Scan** button to continue.

### Channel Search

Press **▲ ▼ ◀ ▶** to highlight the options of choice and press **ENTER** to start the channel search.

**Scan Mode** Choose between *Fast Scan* (recommended), *Blind Scan* and *Network*

**Crypted** Select *FTA Channels* to search Free-To-Air channels only or *All Channels* to search FTA and Encrypted channels

**Service Type** Select *DTV* to search DTV channels only, *RADIO* to search radio channels only or *All* for a complete search.

It is recommended to use the default settings.

## 3.2 DVB-T installation

### Terrestrial Setting

First select the Tune Type by pressing **◀ ▶** to select *DVB-T*, *ATV* or *DVB-T+ATV* (DVB-T to search digital broadcasts and ATV to search analogue broadcasts). Press **▼** to continue. Press **▲ ▼ ◀ ▶** to highlight the country that you want to install, then press **ENTER** to start searching.

#### NOTE:

If you have an active antenna, turn it on by following the instructions in paragraph 5.4.5 and then repeat the scan.

## 3.3 DVB-C installation

### Cable Setting

First select the Tune Type by pressing **◀ ▶** to select *DVB-C*, *ATV* or *DVB-C+ATV* (DVB-C to search digital broadcasts and ATV to search analogue broadcasts). Press **▼** to continue. Press **▲ ▼ ◀ ▶** to highlight the country that you want to install, then press **ENTER** to start searching.

## 4.0 PERSONAL VIDEO RECORDING

### Important notes

- For any type of recording with this TV, you must have connected an external device to the USB port at the back of the TV to record onto.
- The USB device must be FAT32 format.
- When you are using the USB device to record on this TV for the first time, we suggest formatting the USB device on the TV before you start the recording.
- Make sure you are watching a DTV programme.
- Use a high-quality mobile device to record HD programmes, otherwise the videos will be jammed during the playback.
- Back up all of the data in the USB storage device in case data was lost due to an unexpected accident. STRONG assumes no liability for the losses by misuse or malfunction. Data backup is the responsibility of the consumer.

## 4.1 Instant one-touch recording and playback

Fig. 6

Insert an external high-speed storage device and make sure the device has enough free space. Select the TV programme you wish to record. Press **●** to enter into PVR mode and start recording. The PVR control bar on the screen shows as in Fig. 6, you can select the settings of your choice. If the PVR function cannot be realized, try to format your USB device. If you wish to stop the recording, press **■** and the recording will stop.

**NOTE:**

- During the record mode, you cannot change channels or select another function.
- If the signal is interrupted or removed while in record, the record will stop until the signal is established. This may cause you to lose programme content.
- Please do not turn the TV OFF during recording. This will make the TV exit the PVR and turn to standby.
- On some encrypted channels (using CI+ module) the recording mode is blocked by the broadcaster.

## 4.2 Timer recording

Go to the channel that will broadcast the programme you want to record. Press **EPG** on your remote control to bring up the EPG interface. The channel you are watching will be highlighted on the screen that appears. Press the **RED** button on the remote control, then enter into the programme details on the recorder menu by pressing **▲ ▼** to select an item and **◀ ▶** to change the setting. For example, if the programme starts at 8:30 pm on the same day, enter 30 in the space for *MINUTES*, 20 in the space for *HOURS* (a 24 hour clock applies) and then the relevant date. Use the same method for entering the finish time. Choose the recording mode: *Once, Daily or Weekly*. Press **ENTER** to confirm your selection. A schedule of all your recordings (the schedule list) will appear. See chapter 4.3.3 for more on the schedule. The recording will be active also in Standby mode.

**NOTE:**

A recording is possible only if a USB device is connected. If you are browsing the EPG, follow the steps on the EPG function page.

## 4.3 Electronic Programme Guide (EPG)

EPG stands for Digital Electronic Programme Guide. It is supplied by the programme providers and offers information on broadcasted programmes. You can access it in digital mode by pressing **EPG** on the remote control.

Press **EPG** to bring up the EPG interface. The second bar from the top will display the current date and time. On the list below, the channel you are currently watching will be highlighted. Before you can view any EPG information, you have to 'activate' every channel for which you want to view programme information. To do this, use **▲ ▼** to select a channel, then press **ENTER** to confirm.

To check programmes which will be broadcasted on a future date, scroll up to the date field with **▲**. Use **▶** to select the date you want to check. Press **▶/II** to scroll up to the top bar in the display, then press **◀▶** to select the *Channel List*. The second bar will then display one of your available channels. Go

to the channel for which you want to view information using ◀▶. After a brief moment, the programme information will appear. Use ▲▼ to scroll through the time slots. Press **MENU** to exit the EPG menu.

### 4.3.1 Recorder from the EPG

Go to the channel that will broadcast the programme you want to record. Press **EPG** on your remote control to bring up the EPG interface. The channel you are watching will be highlighted on the appearing screen. Press **INDEX** to reach the top bar in the display and then use ◀▶ to display the whole programme list of that channel. Select with ▲▼ the programme you want to record and then press the **RED** button to display the recorder menu already set. To confirm the record press **ENTER**. An updated schedule list will be shown. See detailed information about the different ways of recording with the television onto a USB device.

### 4.3.2 Info

Press the **GREEN** button to show information about the selected programme.

### 4.3.3 Schedule

Press the **YELLOW** button to display the *Schedule List*. Press ▲▼ to select an event, press the **RED** button to delete an event.

### 4.3.4 Remind

Press the **BLUE** button to display a reminder menu. Press ▲▼ to select an item and ◀▶ to change the setting. Press **ENTER** to add the reminder event to the schedule list.

An updated schedule list will be shown.

## 5.0 MENU SETTINGS

### 5.1 Menu control (DTV mode)

Press **MENU** to enter the main menu. Press ◀▶ to select an item. Press **ENTER** to enter the item. Press ▲▼◀▶ and **ENTER** to select the submenus. Press **MENU** to exit the item.

### 5.2 Picture menu

<i>Picture Mode</i>	Select the automatic picture control mode. Available choices are <i>Dynamic</i> , <i>Standard</i> , <i>Mild</i> and <i>User</i> .
<i>Colour Temperature</i>	Select the overall colour tone of the picture. Available choices are <i>Cool</i> , <i>Medium</i> , <i>Warm</i> and <i>User</i> .
<i>Aspect Ratio</i>	Select the aspect ratio (display proportions) according to your video signal type or preference. Available choices are <i>16:9</i> , <i>4:3</i> , <i>Just Scan</i> , <i>Zoom1</i> and <i>Zoom2</i> .

**NOTE:** Some options may not be available under some sources.

<i>Noise Reduction</i>	Eliminates noise in the picture. Available choices are <i>Off</i> , <i>Low</i> , <i>Middle</i> and <i>High</i> .
<i>MPEG NR</i>	Eliminates noise generated while creating digital picture signals. Available choices are <i>Off</i> , <i>Low</i> , <i>Middle</i> and <i>High</i> .

In the *User* mode, settings can be changed for *Brightness, Contrast, Colour, Tint* and *Sharpness*.

## 5.3 Sound menu

<i>Sound Mode</i>	Select your favourite sound mode for each input. Choices are <i>Standard, Music, Movie, Sports</i> and <i>User</i> .
<i>Bass</i>	Adjusts the lower frequency of the sound.
<i>Treble</i>	Adjusts the higher frequency of the sound.
<i>Balance</i>	Control the sound balance between the right and left loudspeaker (earphone).
<i>Auto Volume</i>	Adjust the volume corresponding to the input audio level. Options are <i>On</i> and <i>Off</i> .
<i>Surround Sound</i>	Turns on the Sound Retrieval System.
<i>AD Switch</i>	Turn on the <i>Audio</i> description, you can activate the setting of AD volume. When turn on the audio description, a narrator will describe what is happening on the screen for blind or visually impaired viewers. (Only available In DTV mode.)

## 5.4 Channel

### 5.4.1 Auto Tuning (in DVB-T/C mode only)

First select the Tune Type by pressing ◀▶ to select *DVB-T, ATV* or *DVB-T+ATV* (DVB-T to search digital broadcasts and ATV to search analogue broadcasts). Press ▼ to continue. Press ▲▼◀▶ to highlight the country that you want to install, then press **ENTER** to start searching.

**NOTE:** If you have an active antenna, turn it on in the *Channel* menu and then start the scan.

### 5.4.2 Advanced Tuning (in DVB-S mode only)

Access the satellite settings essential for searching programmes through DVB-S sources.

#### Satellite Dish Settings

A set of satellite dish settings must be configured for each wanted satellite before performing a channel scan.

<i>Satellite</i>	Select the satellite for this TV.
<i>LNB Type</i>	Make sure the LNB type is corresponding to your dish.
<i>LNB Power:</i>	Set the power supply for the LNB (usually 13/18 V).
<i>22KHz</i>	Select the 22KHz to set 22K switch to ON/OFF. The Auto mode (recommended) is used to switch 22KHz on or off depending on the LNB type.
<i>DiSeqC1.0/1.1</i>	Select the DiSeqC mode for the selected LNB.

Highlight *Satellite* and press **ENTER** to access the satellite list and select one. Highlight *LNB Type* and press **ENTER** to select the LNB type. Make sure the *22KHz, DiSeqC1.0/1.1* switch is corresponding to the selected satellite. After the above steps are finished, press the **BLUE** button to search for channels.



### 5.4.3 DTV Manual Tuning (in DVB-T/C mode only)

Search and store programmes manually.

Select the source type *DVB-T* or *DVB-C* and search digital programmes manually. In the *Channel* menu, select *DTV Manual Tuning* and press **ENTER** to access. Press ◀▶ to select a *Channel No.*, and then press **ENTER** to start the search. The search stops when a programme is found and this programme will be stored in the current channel position. If you want to stop the search, press **MENU**.

### 5.4.4 ATV Manual Tuning (in DVB-T/C mode only)

First select the source type of *ATV*. Then in the *Channel* menu, select *ATV Manual Tuning* and press **ENTER** to access. Highlight and press ▲▼ to select *Storage To 1* (maybe other number), *Sound System* and *Channel No.*. Then select search and press **ENTER** to start the search. Press ▶ for the unit to search towards higher frequency. Press ◀ for the unit to search towards lower frequency. The search stops when a programme is found and this programme will be stored in the current channel position. If you want to stop the search, press **MENU**.

#### Fine-Tune

Use this option to make small adjustments to tuning of an individual channel. Fine-tune is not necessary under normal conditions. However, in area of inferior broadcast conditions where adjustments is necessary for a better picture and sound, use fine-tune. Select a channel that you want to fine tune. In the *Channel* menu, select *ATV Manual Tuning* and press ▼ to highlight *Fine-Tune*. Press ◀▶ to fine tune until the best possible picture and sound are obtained.

### 5.4.5 Channel settings

<i>Programme Edit</i>	Edit the programmes. You can press the <b>COLOUR BUTTONS</b> on the remote control to skip programmes, rename and delete programmes or move programmes, and add programmes to the favourite list by pressing <b>FAV</b> .
<i>Signal Information</i>	Showing the information of current DTV channel.
<i>CI information</i>	Enables the user to select from the CAM-provided menu. Select the <i>CI</i> menu based on the menu PC card.
<i>5 V Antenna Power</i>	This option is only available in <i>DVB-T</i> source, select <i>On</i> to supply power for the TV's antenna. Select <i>Off</i> to turn off this function.
<i>Software Update (OAD)</i>	Select <i>On</i> to allow the TV to update the system software over the air. Select <i>Off</i> will turn off this function.*
<i>OAD Tuning</i>	When software update (OAD) is off, this option is disabled. By selecting <i>OAD scan</i> you can scan channels to find the OAD update information.*

\*Only for some regions.

### 5.4.6 Options

<i>OSD Language</i>	Select the OSD language.
<i>Audio Languages/Subtitle Languages</i>	Select as you prefer.
<i>TTX Language</i>	Select TTX language for different regions.
<i>Time</i>	Can setup <i>Auto Sync</i> , <i>Clock</i> , <i>Time Zone</i> , <i>Summer Time</i> , <i>Sleep Timer</i> and <i>Auto Sleep</i> .
<i>HDMI CEC</i>	Press to enter into submenus. <i>HDMI CEC</i> : Turn on or off HDMI CEC function.

*Auto Standby:* Turn the TV to standby automatically.

*Device List:* When HDMI CEC is ON, you can check the list of connected devices.

<i>PVR File System</i>	Personal Video Record setting. This function only works when receiving a digital TV programme and when a USB disk is connected.
<i>Factory Reset</i>	Restore user setting to the default.
<i>SW Version</i>	Displays the current software version and the model name.
<i>Software Update (USB)</i>	Connect a USB device with upgrading software to upgrade the TV system.

**NOTE:**

- *Audio Languages, Subtitle languages and PVR File System* only works under DVB-S/DVB-C/DVB-T mode.
- User data on this TV will be completely lost after operating this feature.
- Do not power off the TV during the software upgrading process, otherwise the TV may not work, and STRONG does not assume liability.

## 5.5 Lock

<i>Lock system</i>	Switch the lock system between <i>On</i> and <i>Off</i> .
<i>Set Password</i>	Reset the password (the original password is <b>0000</b> )
<i>Block Programme</i>	Set the blocked programmes as you prefer.
<i>Parental Guidance</i>	Set it to guide the programmes for children to watch.

## 6.0 USB

### 6.1 Reminder when using the USB player

1. Some USB storage devices may not be compatible to operate smoothly with this TV.
2. Back up all of the data in the USB storage device in case data is lost due to an unexpected accident. STRONG does not assume any liability for the losses by misuse or malfunction. Data backup is consumer's responsibility.
3. For large file sizes, the loading speed may be slightly longer.
4. The recognition speed of a USB storage device may depend on each device.
5. When connecting or disconnecting the USB storage device, make sure the TV is not in USB mode otherwise the USB storage device or the files stored in it may be damaged.
6. Please use only a USB storage device which is formatted in FAT16, FAT32, NTFS (playback only) file system provided with the Windows operating system. In case of a storage device formatted as a different utility programme which is not supported by Windows, it may not be recognized.
7. When using a USB Hard Disk Drive which is not powered independently, ensure its power does not exceed 500 mA. Otherwise the TV system will change into standby mode, and you must pull out the USB Hard Disk and restart the TV system.
8. An "Unsupported File" message will be displayed if the file format is unsupported or the file is corrupted.
9. FHD big picture needs longer time to process, which is not caused by the TV. Please be patient.
10. This TV may not support some multimedia files changed and upgraded as the change of the encoding format or other technical aspects advances.
11. Please refer to chapter 9. Appendix for a list of supported file formats for USB playback.

## 6.2 USB menu

Press **SOURCE** and select **USB**. You can view movie, music and photo files from your USB storage devices. Connect a USB storage device to the USB input terminal and select the types of media on the home page: *Movie*, *Music* and *Photo*. Press **ENTER**, the screen will show the connected USB device, press **ENTER** again to view the file folders and files. Press **▲ ▼** to select a folder, press **ENTER** to open the folder and select the files, then press **ENTER** to tick them. Highlight the one you want to play first, press **▶/II** to start playing or select a file and press **▶/II** to start playing directly. Press **■** to stop playing and return to upper level folder. Continuously press **RETURN** to go back to upper level folder. Repeat again to select and play another media type.

**NOTE:** By choosing one of the three media types, for example *Movie*, the folders inside will display only video files and no other formats.

### 6.2.1 Play movies

Fig. 7

Press **INFO** to display/exit from the menu bar (**Fig. 7**). Press the **USB control buttons** on the remote control to do relevant operations.

*Play & Pause/Stop/Prev./Next*

Press **▶/II** to play or pause the playback. Press **■** to stop playing. Press **◀/II** to play the previous or the next video file. Press **INFO** and use **◀▶** to highlight the corresponding icon on the control bar, then press **ENTER**. TV will response accordingly.

*Fast Reverse/Fast Forward*

Press and hold **◀▶** for seconds to draw the playing progress as your desire, then press **▶/II** to start the playing from the new position.

*Play Mode*

Highlight the corresponding icon and press **ENTER** to switch to another play mode.

*Information*

Highlight the corresponding icon and press **ENTER** to view the information of the playing video.

*Go to time*

Skip to specific point by input time. Highlight the corresponding icon and press **ENTER** to open the Input search time screen. Press **◀▶** to move the cursor and use the number buttons to insert the time. Press **ENTER**, the TV will start playing from the set time.

*Aspect Ratio*

Highlight the button and press **ENTER** to select the display mode.

### 6.2.2 Play music

Fig. 8

Press **INFO** to display/exit from the menu bar (**Fig. 8**). Press the **USB control buttons** on the remote control to do relevant operations.

*Play & Pause/Stop/Previous/Next*

Press **▶/II** to play or pause the playback. Press **■** to stop playing. Press **◀/II** to play the previous or the next music file. Press **◀▶** to highlight the corresponding icon on the control bar, and then press **ENTER**. The TV will response accordingly.

<i>Fast Forward/Fast Reverse</i>	Press and hold <b>⏮/⏭</b> for seconds to draw the playing progress as you wish, then press <b>▶/⏮</b> on the remote control to start playing from the new position.
<i>Repeat</i>	Highlight the icon and press <b>ENTER</b> . You can select 3 different modes: <i>None</i> to disable the function, <i>1</i> to repeat one track only and <i>All</i> to repeat the entire list once it is finished.
<i>Information</i>	Highlight the icon and press <b>ENTER</b> to check the information of the playing music.

**NOTE:**

- If one (or more) file(s) of the play list is selected, the buttons **⏮/⏭** will play only selected files.
- This menu only shows supported files.
- Files with other file extensions are not displayed, even if they are saved on the same USB storage device.
- An over-modulated mp3 file may cause some sound distortion during playback.
- This TV supports lyrics display (in English). The maximum number of characters per line is 48. The file name of music and lyrics must be the same in order to display lyrics while the music is playing.
- If you want to show the associated lyrics on the screen with the music, you must store these in the same folder using the same file name with ".lrc" file extensions.

### 6.2.3 Browse photos

**Fig. 9**

Press **INFO** or **▼** to display/exit from the menu bar (**Fig. 9**). Press the **USB control buttons** on the remote control to do relevant operations.

*Play & Pause/Stop/Previous/Next*

Press **▶/⏮** to play or pause the playback. Press **■** to stop playing. Press **⏮/⏭** to show the previous or the next picture. Press **◀▶** to highlight the icon on the control bar, and then press **ENTER**. The TV will response accordingly.

*Repeat*

Highlight the icon and press **ENTER**. You can select 3 different modes: *None* to disable the function, *1* to repeat one track only and *All* to repeat the entire list once it is finished.

*Info*

Highlight the button and press **ENTER** to check the information of the shown photo.

*Rotate*

Highlight the icon in the menu bar and press **ENTER** to rotate the picture 90 degrees clockwise or counter clockwise.

*Zoom In/Zoom Out*

Highlight the icon on the menu bar and press **ENTER** to zoom in or zoom out of the image.

*Move View*


When the image is magnified, use this function for convenient check. Highlight this icon, press **ENTER**, then press **◀▶▲▼** to move the image.

**NOTE:**

The move function **◀▶▲▼** is only available when the image is enlarged.

## 7.0 TROUBLESHOOTING

Before calling a service technician, review following information for possible causes and solutions for the problem you are experiencing. If the TV does not work properly after checking it, please contact your local service line or STRONG dealer. Alternatively you can send a support mail via our website [www.strong.tv](http://www.strong.tv).

Problem	Possible cause and solution
No picture, no sound	<ol style="list-style-type: none"> <li>1. Check if the fuse or circuit breaker is working.</li> <li>2. Plug another electrical device into the outlet to make sure it is working or turned on.</li> <li>3. The power plug is in bad contact with the outlet</li> <li>4. Check the signal source.</li> </ol>
No colour	<ol style="list-style-type: none"> <li>1. Change the colour system.</li> <li>2. Adjust the saturation.</li> <li>3. Try another channel. Black-white programme may be received.</li> </ol>
The remote control does not work	<ol style="list-style-type: none"> <li>1. Change the batteries.</li> <li>2. The batteries are not installed correctly.</li> <li>3. Main power is not connected.</li> </ol>
No picture, normal sound	<ol style="list-style-type: none"> <li>1. Adjust the brightness and contrast.</li> <li>2. Broadcasting failure may happen.</li> </ol>
Normal picture, no sound	<ol style="list-style-type: none"> <li>1. Press the volume up button to increase the volume.</li> <li>2. The volume is set to mute, press  to restore the sound.</li> <li>3. Change the sound system.</li> <li>4. Broadcasting failure may happen.</li> </ol>
Unorderly ripples on the picture	It is usually caused by local interference, such as cars, daylight lamps and hair driers. Adjust the antenna to minimize the interference.
Snowy dots, blocking and interference	<p>If the antenna is located in the fringe area of a television signal where the signal is weak, the picture may be marred by dots, show blocking or break-ups. When the signal is extremely weak, it may be necessary to install a special antenna to improve the reception.</p> <ol style="list-style-type: none"> <li>1. Adjust the position and orientation of the indoor/outdoor antenna.</li> <li>2. Check the connection of the antenna.</li> <li>3. Fine tune the channel.</li> <li>4. Try another channel. Broadcasting failure may happen.</li> </ol>
Ghost	Ghosts are caused by the television signal following two paths. One is the direct path, the other is reflected from tall buildings, hills, or other objects. Changing the direction or position of the antenna may improve the reception.
Radio frequency interference	This interference produces moving ripples or diagonal streaks, and in some case, loss of contrast in the picture. Find out and remove the radio interference source.
Playback of video (or Timeshift) is causing picture freeze/macro blocks or similar distortion, especially on HD content.	Read/write speed of your USB device could be too low. Make sure to use a USB storage device with sufficient speed and space. Pen drives (USB sticks) may not support sufficient speed.

Problem	Possible cause and solution
No signal or weak signal, intermittent reception.	<p>1. Cables might have loosened; moisture might have entered into cables or connectors, heavy rain at present or heavy storm at present. Check the cable connections, LNB and other equipment connected between the LNB and the receiver, or peak the dish. Wait for rain/storm to subside. Ask a local satellite specialist for advice.</p> <p>2. The satellite dish is not pointing at the (correct) satellite(s). Adjust the dish. Ask a local satellite specialist for advice.</p> <p>3. Satellite dish is too small, trees or buildings in path. Change to a larger dish or change position of dish.</p> <p>4. Signal is too strong, dish is oversized. Connect a signal attenuator to the LNB input. Ask a local satellite specialist for advice.</p>
Bad picture / blocking error during heavy rain.	Heavy rain will attenuate satellite signals, below a certain level blocking will occur. Make sure your dish installation is up to standards to minimize rain effects. When in doubt, ask a local satellite specialist for advice.

**NOTE:**

If the problem persists after these solutions, please contact your local support centre or send a support mail via our website [www.strong.tv](http://www.strong.tv).

## 8.0 SPECIFICATIONS

**Audio**

Audio Output: 6 W + 6 W

**Video**

Channel coverage: DVB-T/T2: 174 MHz - 230 MHz; 470 MHz - 860 MHz  
DVB-C: 50 - 858 MHz  
DVB-S/S2: 950 MHz - 2150 MHz  
System: DTV: DVB-T/T2, DVB-S/S2, DVB-C  
ATV: PAL/SECAM (BG/DK/1)  
AV: PAL, NTSC

**Connectors 24 inch, 32 inch**

1 x AIR/CABLE  
1 x LNB  
2 x HDMI  
1 x TV SCART  
1 x headphones  
1 x USB  
1 x CI+ slot  
1 x main power cable

**Connectors 43 inch, 49 inch, 55 inch, 65 inch**

1 x AIR CABLE  
1 x LNB  
3 x HDMI  
1 x TV SCART  
1 x S/PDIF (coax.)  
2 x USB  
1 x Headphones  
1 x CI+ slot  
1 x PC IN  
1 x PC AUDIO IN  
1 x AV IN  
1 x Main power cable

### General Data

Operating voltage:	100 ~ 240 V AC 50/60 Hz
Power consumption:	24": max. 40 W, typ. 25 W
	32": max. 65 W, typ. 35 W
	43": max. 100 W, typ. 61 W
	49": max. 120 W, typ. 90 W
	55": max. 150 W, typ. 99 W
	65": max. 190 W, typ. 154 W
Power consumption in standby:	24": <0.5 W
	32": 0.4 W
	43", 49", 55", 65": 0.5 W
Operating temperature:	+5 °C ~ +35 °C
Storage temperature:	-15 °C ~ +45 °C
Operating humidity:	20% ~ 80% RH, non-condensing
Storage humidity:	10% ~ 90% RH, non-condensing
Dimensions (WxHxD) in mm:	24": 554 x 131.5 x 371
	32": 735 x 466 x 166
	43": 970 x 601 x 212
	49": 1103 x 686 x 264
	55": 1240x264x767
	65": 1468 x 300 x 893.5
Net-weight:	24": 2.2 kg
	32": 4.5 kg
	43": 9.6 kg
	49": 12.7 kg
	55": 15 kg
	65": 24 kg

## 9.0 APPENDIX

USB file playback support.

### Video

File Type/(Ext Name)	Video Type	Audio Type	Remark
MP4, MOV/(.mp4, .mov, .m4v)	Motion JPEG MPEG-4 SP/ASP (XviD)	MPEG-AUDIO	
AVI/(.avi)	MotionJPEG MPEG-4 SPIASP (XviD)	LPCM MPEG-AUDIO	
ASF/(.wmv3, .xvid)	MPEG-4 SPIASP (XviD)	MS-ADPCM, Intel-ADPCM	
MKV/(.mkv, .xvid)	MPEG-4 SPIASP (XviD)	MPEG-AUDIO	
TS/(.tsltrp)		LPCM MPEG-AUDIO	
DAT, MPG, MPEG/(.dat, .mpg, .mpeg)		LPCM MPEG-AUDIO	
VOB/(.vob)		LPCM MPEG-1 Layer 2	

### Music

File Type/(Ext Name)	File Extension	Version support	Remark
Mpeg-1 Layer 3	Wma, mp3	LPCM	WMA 7-9.1 la WMA2
MPEG-1/2 Layer 1/2	n/a (included in the video only)	MPEG1/2	

File Type/(Ext Name)	File Extension	Version support	Remark
LPCM	n/a (included in the video only)		
AAC	Aac, mp4, M4A		AAC variable bit rate : just forward speed 1.5x-2x m4a can't FF/FR ADIF can't FF/FR ADTS can FF/FR

**Photo**

File Type	File Extension	Version support	Remark
JPEG	jpg/jpeg		
BMP	bmp		support all modes
PNG	png	MPEG1/2	support interlace does not support animation mode