



STRONG SRT24HC4023 LED TV with DVB-T2/C/S2 User Manual

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User Manual



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SRT24HC4023 LED TV with DVB-T2/C/S2

User Manual

Fig. 1

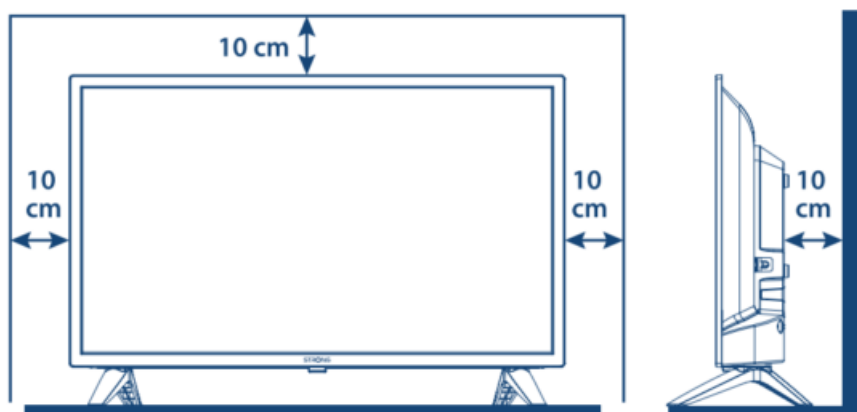


Fig. 2

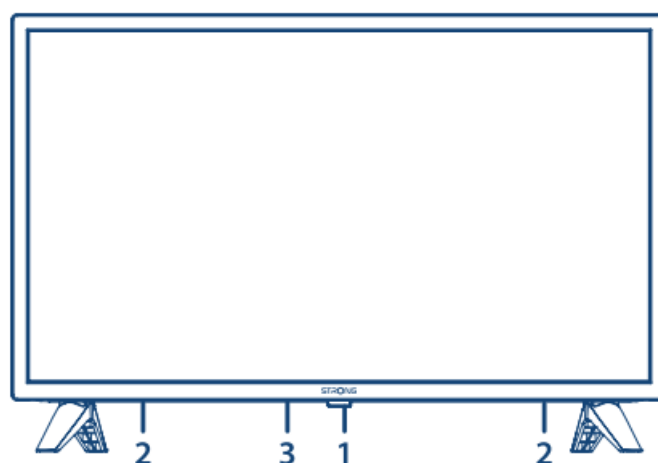


Fig. 3

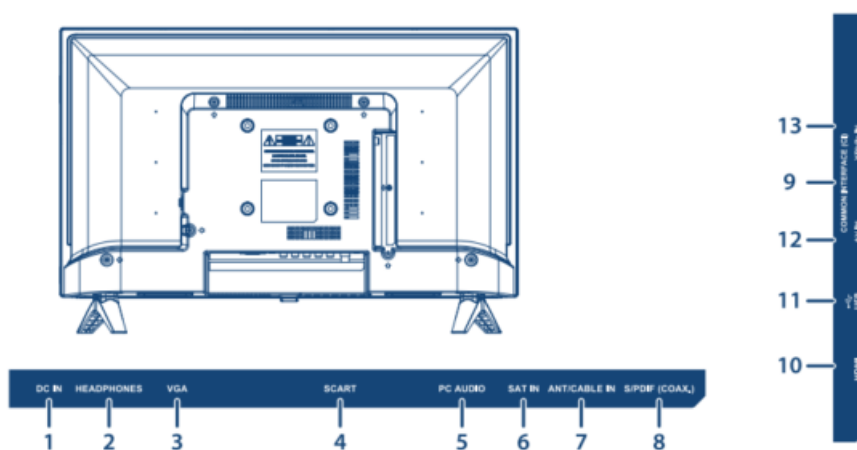


Fig. 4

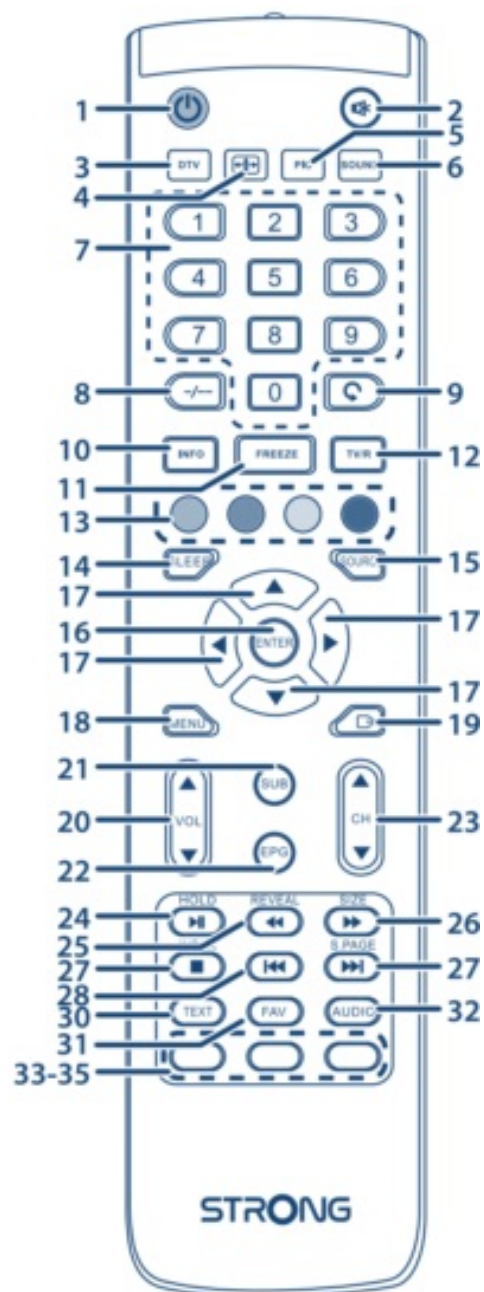
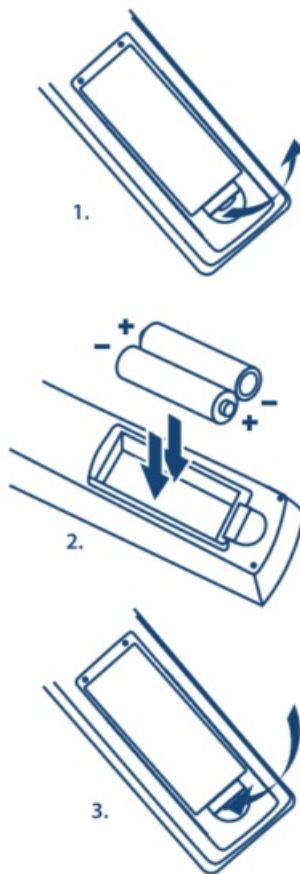


Fig. 5



SERVICE CENTER

BG	support_bg@strong.tv +359 32 634451
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To obtain the best performance and safety, please read this manual carefully. Please keep this manual for future reference.

INSTRUCTION

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, tablecloths, 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 battery 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 to high levels.
- The mains plug or appliance coupler is used as a 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 a 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 indicator on the apparatus does not mean that it is fully disconnected from the mains. To disconnect the apparatus completely, the main 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.
-  Equipment with this symbol is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to the electrical earth.

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 the dust place.
- Do not attach the cable to the access opening area, to avoid flammable foreign material from entering the TV.

WEEE Directive



Correct Disposal of this product. This marking indicates that this product should not be disposed of 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 environmentally safe recycling.

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.

Accessories

- 1x installation instructions
- 1x safety instructions/warranty cards
- 1x remote control
- 2x AAA batteries
- 1x 12 volts cable supply (vehicle)

Equipment set-up

Fig. 1a

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.

Stand assembly instruction

Fig. 1b

1. Carefully place the TV with its front side facing down on a cushioned flat surface in order to protect the TV and the TV screen from damage.
2. Take out the 2x feet and assemble them to the TV.
3. Fasten the feet to the bottom of the TV using the 4xPA4x14mm screws.

Fig. 1c

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)

INSTALLATION

Default PIN code: 0000

Front panel/underside

NOTE: The graphics are for representation only.








1. Power indicator /remote sensor
2. Speakers
3. Buttons: Input source, Menu, V-/V+, CH-/CH+, Standby/ON.



Rear Panel

NOTE: The graphics are for representation only.

1. DC-IN	Connect to an outlet.
2. HEADPHONE	Speakers will be muted when the earphone is plugged in and headphone selected.
3. VGA	Connect a VGA source, like computers may have
4. SCART	Connect devices like DVD or VCR using a SCART cable
5. PC AUDIO	Connect to the audio output of the PC
6. SAT IN	Connect a satellite dish to the TV for searching programs.
7. ANT/CABLE IN	Connect a terrestrial antenna or cable connection from your provider to the TV for searching programs.
8. S/PDIF (coax. output)	Use an RCA cable to connect your TV to a compatible digital amplifier or Home theatre system.
9. COMMON INTERFACE (CI+)	Connect a Conditional Access Module (CAM).
10. HDMI	Connect HDMI input signal from a signal source such as a DVD, Blu-ray player, or game console.
11. USB	Connect a USB device for playback of multimedia files
12. AV IN	3.5 mm female jack entry for composite video and left/right audio connection.
13. YPbPr	Connect YPbPr sources.

Fig. 4

1. 	Press to turn the TV on or standby.
2. 	Press to mute or restore the volume.
3. DTV	Press to go back to Digital TV.
4. (ASPECT) 	Change the aspect ratio.
5. (PICTURE) P C	Change picture mode.
6. SOUND	Change sound mode
7. 0 ~ 9	Choose a channel directly.
8. DIGIT_IMG	Change the maximum input program digit
9. 	Press to go back to the previously viewed channel.
10. INFO	Display information about the current source.
11. FREEZE	Press to hold the picture
12. TV/R	Switch between TV and radio.
13. COLOUR B UTTONS	Press to execute the prompt function in TV or DTV menu mode.
14. SLEEP	Select the sleep time, such as 10 min, 20 min, etc.
15. SOURCE	Press to change the signal source
16. ENTER	Confirm the selection.
17. 	Navigate the menu.
18. MENU	Open the menu options. Step back to some menu options.
19. 	Exit the current menu.
20. VOL +/-	Adjust the volume up or down.
21. (SUB.PAGE) SUB.P	Press this button to enter or exit subpage mode (if subpage is available. Press the turn  buttons to select a subpage.
22. EPG	Press to display the current EPG information in DTV mode.
23. CH +/-	Change programs up or down. Big steps in Channel list.
24. HOLD	Press to hold the Teletext page on screen without updates and changes. Press again to release the hold state.
25. (REVEAL) T P	In Teletext mode, press to reveal the hidden information.

26. SIZE	Enlarge the Teletext display. Press this button once to enlarge the upper half of the screen. Press this button again to enlarge the lower half of the screen. Press this button again to return to normal screen size.
27. INDEX	Press this button to display the index page.
28. 	Press to play the previous file.
29. 	Press to play the next file.
30. TEXT	Press to enter or exit the Teletext menu.
31. FAV	Press to view your assigned favorite list or main list channels. Press ▲ ▼ to cycle through your assigned favorite channels, and press OK to confirm.
32. AUDIO	Press to select available audio languages. Selecting 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 the broadcast).
33-35.	No function

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. Open the cover.
2. Put 2x AAA batteries in the compartment and make sure the polarity is correct.
3. Close the cover.

Precautions for using the battery

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





1. Please note the batteries' polarity to avoid short circuits.
2. When the battery's voltage is insufficient which affects 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 them 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 on fire, and charge or decompose the battery.
5. Please dispose of batteries and abide by relevant environmental protection regulations.

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.

FIRST TIME INSTALLATION

After all, connections have been properly made, switch on your TV. The language selection will appear on the screen. Use  to select the OSD Language of your preference. Press  and then use  to select the country where you will use this TV. This is important to set settings such as time zone and text character correctly. Press  to change Environment from Home to Shop modus to demonstration TV in shop, otherwise, keep as it is. Press ENTER for the next step to go to Tuning setup.






In Tuner setup selection you select which tuner input source you like to use.

Tuner Type	If you still have analog signals in DVB-T or DVB-C. Select here between options of Digital /+ Analogue systems.
Digital type	Satellite to receive satellite broadcasts if you are equipped with a satellite dish), DVB-T to receive terrestrial broadcasts with indoor or outdoor antenna. DVB-C to receive cable broadcasts if you have a cable connection from a local provider.

The next step is depending on your choice of the Tuner setup.

DVB-S/S2 installation

Satellite

Press  to select Satellite and use  to highlight the satellite your dish is aimed at. Use    to highlight the options of choice and press ENTER to start the channel search.

Scan Mode	Choose between Default (recommended), Blind Scan and Network
Channel type	Select Free to search Free-To-Air channels only Free + Scrambled to search FTA and Encrypted channels or Scramble to search Encrypted channels only.
Service Type	Select All to search DTV channels and Radio. Select RADIO to search radio channels only or DTV for only Digital TV channels.

It is recommended to use the default settings.


DVB-T/T2 installation

Terrestrial Setting

Press ENTER to start directly searching for digital channels.

Optional you can search also for analog channels.

Press  and select the Tune Type.

By pressing  select DTV, ATV, or DTV+ATV (DTV to search digital broadcasts and ATV to search analog broadcasts).

DVB-C installation

Table Setting

Press    to highlight your settings.

Scan type	You can select Network Scan, Blind scan, or Full.
Network ID	The default setting is Auto. To enter your own value press ◀ and enter (with 0 ~ 9) the used Network ID from your provider.
Frequency	The default setting is Auto. To enter your own value press ◀ and enter (with 0 ~ 9) the main frequency used by your provider in KHz.
Symbol Rate	The default setting is Auto. To enter your own value press ◀ and enter (with 0 ~ 9) the used Symbol Rate from your provider. (Ks/s) The most used values are 6900 or 6875.

Optional you can search also for analog channels.

Press **▲** select the Tune Type.

By pressing **◀** select DTV, ATV, or DTV+ATV (DTV to search digital broadcasts and ATV to search analog broadcasts).

NOTE: Please, check the settings for your cable system used by your provider! A full scan will have a duration of approximately 20 minutes, depending on your cable network.

Press **ENTER** to start searching for digital channels.

ELECTRONIC PROGRAMME GUIDE (EPG)

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

Press **EPG** to bring up the **EPG** interface. Use **▲ ▼** to select a channel.

Press **▶** to switch to overview from one channel EPG. Use **DOWN/UP** to select events where you like to know more details. These details are displayed on top of this EPG banner or press the **INFO** button for full screen.

Press **EXIT** to stop and return to viewing modes.

Then press the **COLOUR BUTTONS** for entering the required settings.

GREEN	Set a reminder to an event or set even Timer function.
YELLOW	Overview of the previous day
BLUE	Overview of next day

MENU SETTINGS

Below items depend if they are available from a select input source. Use **SOURCE** to select another source. Selections are Satellite, DTV, ATV, AV, PC, SCART, Component, HDMI, and Media.

Menu control (DTV mode)

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

Channel

Press **MENU** to display the main menu. Press **◀** to select Channel in the main menu. Press **▲ ▼** to select the option you wish to adjust in the Channel menu.

Press **ENTER** to adjust. After finishing your adjustment, press **MENU** to save and return to the previous menu.

Below items depend if they are available of a select input source. Use **SOURCE** to select another source.

Auto Tuning

Press ▲ ▼ to select Auto Tuning. If the TV use DVB-T or DVB-C tuner please refer to chapters 3.2 and 3.3; for Satellite (DVB-S) tuner please refer to chapter 3.1.

Dish Setup

If you use Satellite as the input source, the Dish Setup menu allows you to set your satellite and belonging settings as DiSEqC port and LNB type. Afterward, you may start the Auto Tuning or Manual Tuning by selecting with the EPG button the wanted transponder.

DTV Manual Tuning (in DVB-T mode only)

Search and store programs manually. Press ▲ ▼ to select DTV Manual Tuning. Then press ENTER to enter the sub-menu.

Press ◆ to select Channel No., and then press ENTER to start the search. The search stops when a program is found and this program will be stored in the current channel position. Press MENU to exit.

ATV Manual Tuning (in DVB-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 another number), Sound System, and Channel No. Then select search and press ENTER to start the search. Press ► for the unit to search for higher frequency. Press ◀ for the unit to search towards lower frequency. The search stops when a program is found and this program will be stored in the current channel position. If you want to stop the search, press MENU.

Current CH	Set the channel number
Colour System	Select the color system (Available: AUTO, PAL, SECAM)
Sound System	Select the Sound system
Fine-Tune	Adjust the frequency of the channel
Search	Start the channel search

Channel extra settings

Program Edit	Edit the programs. You can press the COLOUR BUTTONS on the remote control to skip programs, rename and delete programs or move programs, and add programs to the favorite list by pressing FAV.
Signal Information	Showing the information of the current DTV channel. Only available with a DTV signal.
CI information	In the case you use a CI Module for decoding encoded channels, this menu shows the internal menu of the card and/or CAM.
Logical Channel Numbering LCN	This function sorts channels automatically to logic order in DVB-T modus if the broadcaster supports this function. Press ENTER to select On or Off.
Channel Type	Select FTA to search Free-To-Air channels only, or ALL to search FTA and Encrypted channels.

NOTE:

If the Logical Channel Numbering function is set to ON then sorting of channels is not possible in the normal way. Logical Channel Numbering and Channel Type functions are not available when the Satellite tuner is selected.

Picture menu

Picture Mode	Select one of the automatic picture control modes. Available choices are Dynamic, Standard, and Mild. Select Personal to adjust Contrast, Brightness, Colour, and Sharpness as you like.
Colour Temperature	Select the overall color tone of the picture. Available choices are Cool, Medium, and Warm.
Noise Reduction	Eliminates noise in the picture. Available choices are Off Low, Middle, High, and Default.

Contrast/Brightness/Colour

If Picture Mode is set to Personal you are able to change the following settings
Press ▲ ▼ to select an option, then press ◆ to adjust.

Contrast	Adjust the highlight intensity of the picture, but the shadow of the picture is invariable.
Brightness	Adjust the optical fiber output of the entire picture, it will affect the dark region of the picture.
Colour	Adjust the saturation of the color based on your own preference.
Tint	No function

Colour Temperature

In this menu, you can change the overall color cast of the picture.
Press ▲ ▼ to select Colour Temperature, then press ENTER to enter a sub-menu. Press ▲ ▼ to select the relevant picture effect (DEFAULT: Cold Normal Warm).

Cold	increase the blue tone for the white.
Normal	Increase the neutral colors for the white.
Warm	increase the red color for the white.

Noise Reduction




In this menu, you can filter out and reduce the image noise and improve picture quality. Press ▲ ▼ to select Noise Reduction, then press ENTER to enter a sub-menu.






Off	Select to turn off video noise detection.
Low	Detect and reduce low video noise.
Middle	Detect and reduce moderate video noise.
High	Detect and reduce enhanced video noise.
Default	Set as Default.

Sound menu




Sound Mode	Select your favorite sound mode for each input. Choices are Standard, Music, Movie, Sports, and Personal.
Treble	Adjusts the higher frequency of the sound.
Bass	Adjusts the lower frequency of the sound.
Balance	Control the sound balance between the right and left loudspeaker (earphone).
Auto Volume	Adjust the volume corresponding to the input audio level. Options are On and Off.
S/PDIF Mode	If you have connected S/PDIF output to the digital home audio system. You can select Auto to output Dolby audio automatically. If the channel has this audio channel. Select PCM to output only stereo audio or OFF to switch output off.
AD Switch	Turn on the Audio description, you can activate the setting of AD volume. When turning on the audio description, a narrator will describe what is happening on the screen for blind or visually impaired viewers. (Only if available in DTV mode.)

Time menu

Press MENU to display the main menu. Press  to select TIME in the main menu. Press   to do further adjustments. Press ENTER to confirm or Press MENU to return.

Clock	The time is automatically obtained from the channel transmission and doesn't have to be set manually.
Time Zone	Press    to select Time Zone if you like to change to another zone.
Sleep Timer	Press   to select Sleep Timer. Available Options: Off, 10 min., 20 min., 30 min., 60 min., 90min., 120 min., 180 min. and 240 min.
Auto Standby	This function allows you to set the automatic shutdown of your TV. Choose between 3H, 4H, 5H, or Off to disable this function.
OSD Timer	This function allows you to choose how long the channel list banner is displayed. Choose between 5s, 15s, or 30s.

Lock

Press MENU to display the main menu. Press  to enter the Lock menu settings. To enable enter the PIN code (default:0000). Press   to select the options. The following options are available:

System Lock	This option allows you to enable or disable the password protection. Press ENTER then Pin code to set this function On or Off.
Set Password	The default password is 0000, to customize the password press ENTER and follow the instruction within the menu.
Channel Lock	This option allows you to prevent viewing of one or more channels. Press ENTER to display the channel list and select ▲ ▼ the channel you want to be locked. Press GREEN to lock it. Consider the same procedure to lock other channels if needed.
Parental Guidance	Press ENTER to enter and set the age for suitable programs for children, then press ▲ ▼ .
Key Lock	This option allows you to Lock the TV buttons. Press ◆ to select Off or On to lock.
Hotel Mode	Press ▲ ▼ to set Hotel mode. Confirm with entering. It is possible to enable or disable this function by setting On or Off using ◆ ENTER .

NOTE: When Hotel Mode is available, the TV reacts following the settings enabled or disabled contained in the menu

Options contained in the HOTEL MODE menu:

Hotel Mode	To enable or disable this function set On or Off using ◆ ENTER .
Source Lock	This option allows to enable or disable the sources available: Satellite, DTV, ATV, AV, PC, SCART, Component, HDMI, and Media. Press ENTER to access the source list and ▲ ▼ select the sources. Press ENTER to enable or disable one or more. Please note that it is necessary to keep more than 1 source un-Locked. Press MENU to back to the previous menu.
Default Source	Here is possible to select the source that will be displayed every time that the TV is turned on. Press ENTER to access the sources list and select one of them by pressing ENTER . Press MENU to back to the previous menu.
Default Prog	Here it is possible to select the channel that will be displayed when the TV is turned on. The program is available only when the source selected in Default Source contains channels and is selected in view mode. Use ◆ to set a channel of your choice.
Default Volume	This option allows setting the default volume when the TV is turned on. Press ENTER to display the volume bar and use ◆ it to adjust the volume. Press MENU to back to the previous menu.
Max Volume	To set the Max volume press ENTER to display the volume bar, and use ◆ it to adjust the volume. Press MENU to back to the previous menu.

Import Database	Press ENTER to Import the Database from a compatible TV.
Export Database	Press ENTER to Export the Database to a compatible TV.
Clear Lock	Press ENTER to reset all functions set in this menu.

NOTE: For the Import Database and Export Database functions you need to connect a USB device formatted in FAT32.

Setup Menu

Language	Select the Menu language of your choice. The default setting is English. Press ▲ ▼ to select the menu language.
TXT Languages	Press ▲ ▼ ◆ to select the correct character type belonging to the language to display correct the TXT. Selections are West, East, Russian, Arabic, or Farsi.
Audio Languages	Press ◆ to select Primary for the main audio track or Secondary next audio channel if the first is not available. Press ▲ ▼ ◆ to select your chosen Audio Language, then press ENTER.
Subtitle Language	Press ▲ ▼ ◆ to select your chosen Subtitle Language, then press ENTER to select.
Hearing Impaired	If you like to have extra subtitles support then select this function to On.
Aspect Ratio	Change in this option the picture format from the displayed video on the screen. Press ENTER to select. Auto, 16:9, 4:3, Zoom 1, Zoom 2.
Blue Screen	If you select an input with no signal and like to have Blue color screen instead of black. Select this function to On.
First Time Installation	This option allows you to perform the First Installation again. The complete description is available in chapter 3.
Reset Restore Factory Default	Press ▲ ▼ to select this function, by pressing ENTER. You will reset all the settings contained in the main menu and deleted all installed channels. TV will go back to First Time Installation. See chapter 3.
Software Update (USB)	If a new software release for this model is available on our website and you have copied the unzipped file to an empty USB device, formatted in FAT32, you can upgrade the system software of this TV. After successfully updating a message appears on the screen. Power off by removing the main power connector. Remove the USB device and power ON.
NOTE:	NEVER disconnect the USB device from the TV, the TV from the main, or switch OFF power during the update procedure. It can damage your device and the warranty will void!
Environment Home /Shop	Home /Shop Switch between Home modes and Shop modes with default more brightness and Auto standby to off.
HDMI CEC	See next chapter 5.7.1.

HDMI CEC

CEC Control	Select this item and press ENTER. Press ◆ to turn the HDMI CEC On or Off.
Audio Receiver	Press ◆ to turn the Audio Receiver On or Off.
Device Auto Power Off	Press ◆ to turn on this feature. When finished turn off your TV. The connected device will turn off automatically.
TV Auto Power On	Press ◆ to select this option. When finished, turn on the connected device. The TV will switch on automatically.
Device List	Press OK to open the main menu of the device.
Device Menu	Access the device menu.

MEDIA

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 the 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 that is formatted in FAT16, FAT32, and NTFS (playback only) file system provided with the Windows operating system. In case of a storage device is formatted as a different utility program that is not supported by Windows, it may not be recognized.
7. For Software Updates and Database functions it is recommended to use USB-Sticks (keys) in FAT16 or 32.
8. When using a USB Hard Disk Drive that 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.
9. An "Unsupported File" message will be displayed if the file format is unsupported or the file is corrupted.
10. FHD big picture needs a longer time to process, which is not caused by the TV. Please be patient.
11. This TV may not support some multimedia files changed and upgraded as the change of the encoding format or other technical aspects advance.
12. Please refer to chapter **9. Appendix** for a list of supported file formats for USB playback.

USB menu

Press **SOURCE** and select **Media**. You can view movies, 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**, **Photo**, and **text**. Press **ENTER** and the screen will show the connected USB device, press **ENTER** again to view the file folders and files. Press **▲ ▼** or **◀ ▶** to select a folder, press **ENTER** to open the folder, and select the files. Highlight the one you want to play or watch or press directly **▶ ||** to start playing directly. Press **■** to stop playing and return to the upper-level folder. Continuously press **RETURN** to go back to the 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.

Play movies

Fig. 6

During playback, press **INFO** or **ENTER** to display/exit the menu bar (Fig. 6). Press the **USB control buttons** on the remote control to do relevant operations.

Play & Pause/Stop/Prev./Next	Press ► to play or pause the playback. Press ■ to stop playing. Press ►► ◀◀ to play the previous or the next video file. Press INFO and use ◀▶ it to highlight the corresponding icon on the control bar, then press ENTER. The TV will respond accordingly.
Fast Reverse/Fast Forward	Press and hold ◀◀ ►► for seconds to draw the playing progress as your desire, then press ► 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 about the playing video.
Aspect Ratio	Highlight the button and press ENTER to select the display mode.

Play music

Fig. 7

Press **INFO** or **ENTER** 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/Previous/Next	Press ► to play or pause the playback. Press ■ to stop playing. Press ►► ◀◀ 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 respond accordingly.
Fast Forward/Fast Reverse	Press and hold ◀◀ ►► for seconds to draw the playing progress as you wish, then press ► on the remote control to start playing from the new position.
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.
Information	Highlight the icon and press ENTER to check the information on the playing music.

NOTE:

- If the one (or more) file(s) of the playlist is selected, the button ►► ||◀◀ 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.

Browse photos

Fig. 8

Press during viewing INFO or ENTER 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 ► 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 respond 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 in the shown photo.
Rotate	Highlight the icon in the menu bar and press ENTER to rotate the picture 90 degrees clockwise or counterclockwise.
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 a 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.

Browse text documents

Press ◀ to select Text in the main menu. Then press ◀ to select the drive disk you choose to watch and **ENTER** to enter. Select the file you want to display by using ▲▼◀ and confirm with OK. Quit step by pressing ENTER. Press ◀ to select return and go back to the previous menu.


Software update via USB

From time to time you can check if there is an improved software version available. This can be viewed and downloaded from our website www.strong.tv. Search the model number on our website's service support section. If there is an improved software version you can download the file and copy it to the root of a USB device. Then press ▲▼ the button to select Software Update (USB) from the SETUP menu on your TV. Afterward, plug your USB device into the USB slot and press **ENTER** to update the respective software. Confirm with Yes using ◀. When the update is completed, remove the USB stick, disconnect your device from the main power supply, and plugin again.

TROUBLESHOOTING

There may be various reasons for the abnormal operation of your TV set. Check your TV set according to the general procedures shown below. Additionally, we strongly recommend reading the detailed troubleshooting of your TV set in the full user manual available on our website www.strong.tv. If your TV set does not work properly after checking the general and detailed troubleshooting, please contact your dealer, the local Service Hotline, or send an email to our support via www.strong.tv. DO NOT try to open or disassemble your TV set. It may cause a dangerous situation and the warranty will be void.

Problem	Possible cause and solution
The LED/Standby indicator does not light up	<ol style="list-style-type: none"> 1. Check whether the power connector is completely plugged into the TV and into a power socket. 2. Make sure that the switch on multipoint connectors is switched ON as well. 3. The electrical outlet may be damaged. 4. STBY LED is defective.

No Signal	<p>1. The TV is not connected to a signal source (DVB-C, DVB-S/S2, or DVB-T/T2), or the antenna (terrestrial or satellite antenna) is maybe not be aligned correctly respectively according to connection and distribution equipment might s how malfunction, incompatibility, or defectives.</p> <p>2. DVB-T/T2: Active antennas need antenna power switched ON or external p ower connected. The antenna is maybe out of digital signal reception in your area. Check refer ences from service providers about coverage.</p> <p>3. DVB-S/S2: Incorrect values of some tuner parameters (e.g. one or some ch annel(s) changed to another transponder or are no longer emitted). Incorrect values of LNB parameters.</p>
The picture and sound remain f rozen, or macroblocks or simila r distortion are visible on the sc reen.	<p>DVB-S/S2, DVB-T/T2: The reception signal is too weak or disturbed by electromagnetic, high-frequency, or other interference signals. DVB-T/ T2: Dis turbances caused by signal reflections.</p> <p>DVB-C, DVB-S/S2: The connection cables at the signal source are too long (t oo high attenuation).</p> <p>DVB-T/T2, DVB-S/S2: The antenna is not properly adjusted or got misaligned after the storm, etc.</p>
Any other reception or signal rel ated problems	<p>1. Generally cables might have loosened. Moisture might have entered into c ables or connectors. There is heavy rain or heavy storm at present (DVB-S/S 2 and -T/T2). Check the cable connections. DVB-S/S2 and -T/T2: Check all e quipment connected between the reception point and the TV.</p> <p>2. Wait until heavy rain/thunderstorms passed. If no solution asks a local satel lite specialist for advice. DVB-S/S2: The satellite dish is NOT aligned to the (c orrect) satellite(s). Ask a local satellite specialist for advice.</p> <p>3. DVB-S/S2: The satellite dish is too small. Trees or buildings are in the path. Ask a local satellite specialist for advice.</p> <p>4. DVB-S/S2: Signal is too strong, and maybe needs to be attenuated. Ask a local satellite specialist for advice.</p>
No color	<p>1. Devices are not properly connected (scart, RCA sockets) or wrong/bad cab les are used.</p> <p>2. Adjust the saturation.</p> <p>3. Switch the TV to another channel. It is possible that the current program is broadcast in black and white.</p>
No picture, normal sound	<p>1. Adjust the brightness and contrast</p> <p>2. Radio channel is tuned to or the program is not transmitting Video signals or another broadcasting interference/failure.</p>
Normal picture, no sound	<p>1. Press the volume up button to increase the volume level.</p> <p>2. Audio is muted, press  to restore the sound.</p> <p>3. If external devices are used to loop the sound through, make sure to select the correct sources and correct sound mode, for details also check advice in User Manuals from connected devices</p> <p>4. Maybe a channel w/o audio is tuned to (demo) or the programme is not tra nsmitting audio signals or there is some other transmission interference/failur e.</p>
Playback of video is causing pi cture freeze/macroblocks or si milar distortion, especially on H D content.	<p>The 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 stick s) may not support sufficient speed.</p>

The remote control does not work	1. change the batteries. If you're using rechargeable ones take care to use such with low self-discharge 2. The batteries are not installed correctly or the types have been mixed 3. IR Sensor is blocked or maybe interfered from bright light
The TV switches off after a certain time	Switch ON the TV and check settings for automatic STBY function, by default the TV switches OFF after 4 hours to fulfill European low power regulations and help you to save energy.

NOTE:

If the problem persists after these solutions, please contact your local support center or send a support mail via our website www.strong.tv.

SPECIFICATIONS

Audio

Audio Output:	2 x 3 W
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Video

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

Connectors

1x ANT/CABLE IN
1x PC audio in
1x SAT IN
1x HDMI
1x SCART
1x USB
1x S/PDIF (coax.)
1x VGA
1x AV-IN
1x COMMON INTERFACE (CI+)
1x Mini YPbPr
1x Headphones

General Data

