STRONG

LED TV with DVB-T2/C/S2
SRT 32HC2003

User Manual
Bedienungsanleitung
Manuel utilisateur
Manual del Usuario
Инструкции за употреба
Uživatelská příručka
Korisnički priručnik
Használati útmutató
Manuale utente
Gebruiksaanwijzing
Instrukcja obsługi
Manual do Utilizador
Manual de Utilizare
Uputsvo za upotrebu
Používateľská príručka
Navodila za uporabo
Посібник користувача
Руководство пользователя

Fig.1

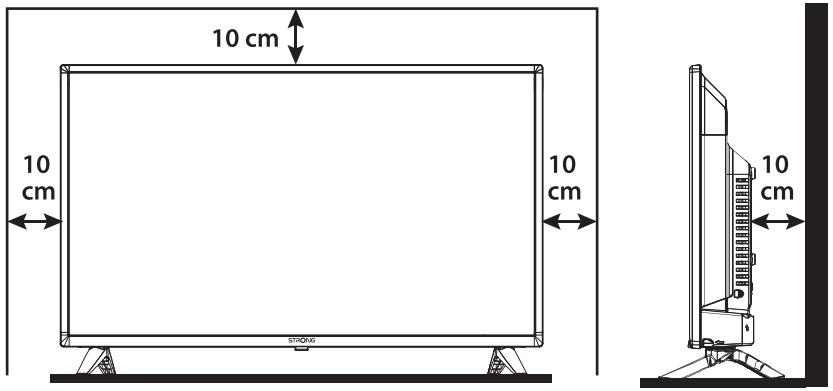


Fig.2

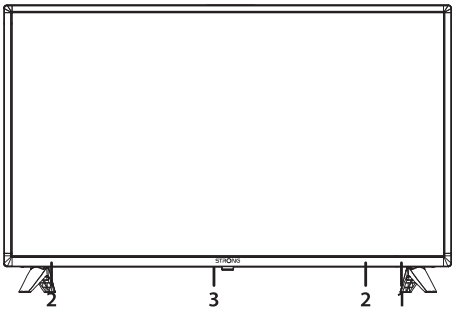
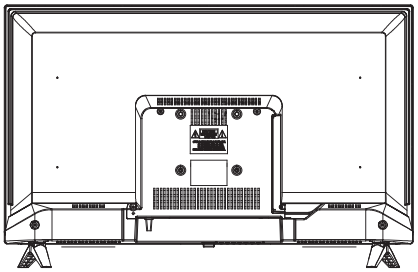


Fig.3



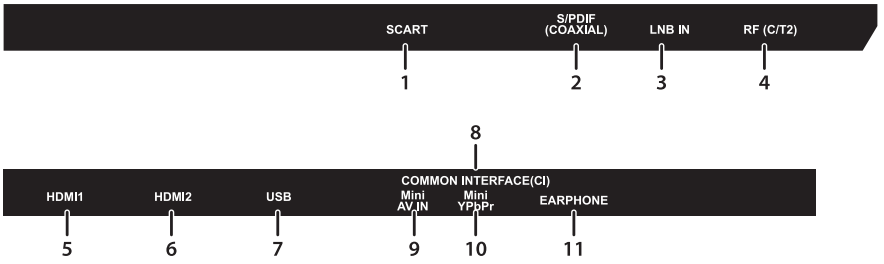


Fig.4

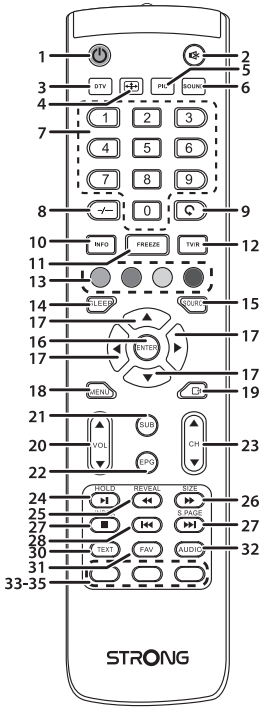


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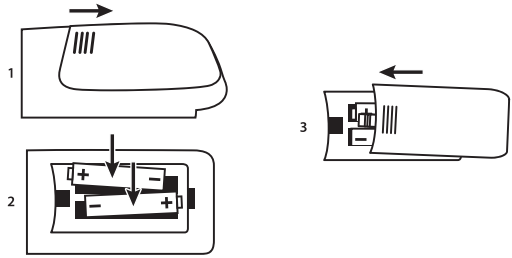
Fig.5



1
2
3

SERVICE CENTER

AT	support_at@strong.tv	0820 400 150 (€ 0,12/Min. österr. Festnetz)
BG	support_bg@strong.tv	+359 32 634451
CZ	support_cz@strong.tv	844 44 44 90
DE	support_de@strong.tv	0180 501 49 91 (€ 0,14/Min. deutsches Festnetz) (€ 0,42/Min. max. Mobilfunknetze)
DK	support_dk@strong.tv	
ES	support_es@strong.tv	+34 91 119 61 76
FR	support_fr@strong.tv	
HR		+385 1 344 57 66
HU	support_hu@strong.tv	+36 1 445 26 10
IT	support_it@strong.tv	199 404 032 **Da rete fissa** 24,8 cent. al min. 12,5 cent. scatto alla risposta **Da rete mobile** max 49 cent. al min. 15,6 cent. scatto alla risposta
NL	support_nl@strong.tv	
PL	support_pl@strong.tv	801 702 017
PT	support_pt@strong.tv	+351 2 100 06 125
SK	support_sk@strong.tv	0850 15 05 50
SL		+386 1 828 08 58
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SIMPLIFIED EU DECLARATION OF CONFORMITY
Hereby, STRONG declares that the device SRT 32HC2003 is in compliance with Directive 2014/53/EU.
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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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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.
- 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 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 dust place.
- Do not attach candle to accessible 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 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.

1.2 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.

1.3 Accessories

- 1x installation instructions
- 1x safety instructions/warranty cards
- 1x remote control
- 2x AAA batteries

1.4 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*)

2.0 INSTALLATION

2.1 Default PIN code: 0000

2.2 Front panel/underside

Fig. 2

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.

2.3 Rear Panel

NOTE:	The graphics are for representation only.

Fig. 3

1. **SCART** Connect devices like DVD or VCR using SCART cable
2. **SAT IN** Connect a satellite dish to the TV for searching programmes.
3. **ANT/CABLE IN** Connect a terrestrial antenna or cable connection from your provider to the TV for searching programmes.
4. **S/PDIF (coax. output)**
   Use an RCA cable to connect your TV to a compatible digital amplifier or Home theatre set.
5. **COMMONINTERFACE (CI)**
   Connect a Conditional Access Module (CAM).
6. **HDMI 1** Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console.
7. **HDMI 2** Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console.
8. **USB** Connect a USB device for playback of multimedia files
9. **Mini AV IN** To connect your video camera or other device using 3.5 mm AV cable to your TV to play videos on your TV screen
10. **Mini YPbPr** Connect YPbPr sources.
11. **HEADPHONE** Speakers will be muted when earphone is plugged in and headphone selected.

2.4 Remote control

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 aspect ratio.
5. **(PICTURE) PIC** Change picture mode.

6. **SOUND** Change sound mode
7. **0 ~ 9** Choose channel directly.
8. **DIGIT_IMG** Change the maxium input programme digit
9. ↺ Press to go back to previous 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 BUTTONS**
    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 signal source
16. **ENTER** Confirm the selection.
17. ▲▼◀▶ Navigate the menu.
18. **MENU** Open the menu options. Step back in 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 ◀ ▶ buttons to select a subpage.
22. **EPG** Press to display the current EPG information in DTV mode.
23. **CH +/-** Change programmes up or down. Big steps in Channel list.
24. **HOLD** Press to hold the teletext page on screen without update and changes. Press again to release the hold state.
25. **(REVEAL) TIP** In teletext mode, press to reveal the hidden information.
26. **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.
27. **INDEX** Press this button to display 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 favourite list or main list channels. Press ▲▼ to cycle through your assigned favourite channels, 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 broadcast).
33-35. No function

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. 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 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 properly made, switch on your TV. The language selection will appear on 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 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 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 analogue 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 cable connection from local provider.

Next step is depending of your choice in Tuner setup.

3.1 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.

3.2 DVB-T/T2 installation

Terrestrial Setting

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

Optional you can search also for analogue channels.

Press ▲ and select the Tune Type.

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

3.3 DVB-C installation

Cable 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) most used values are 6900 or 6875.

Optional you can search also for analogue channels.

Press ▲ select the Tune Type.

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

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

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

4.0 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. Use ▲▼ to select a channel.

Press ▶ to switch to overview from one channel EPG. Use **DOWN/UP** to select event where you like to know more details. These details are displayed on top of this EPG banner or press **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 reminded to event or set even Timer function.
YELLOW	Overview of previous day
BLUE	Overview of next day

5.0 MENU SETTINGS

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

5.1 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.

5.2 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 finish your adjustment, press **MENU** to save and return to the previous menu. Below items depend if they are available of select input source. Use **SOURCE** to select other source.

5.2.1 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.

5.2.2 Dish Setup

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

5.2.3 DTV Manual Tuning (in DVB-T mode only)

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

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. Press **MENU** to exit.

5.2.4 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 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**.

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

5.2.5 Channel extra settings

Programme Edit	Edit the programmes. You can press the **COLOUR BUTTONS** on the remote control to skip programmes, rename and delete programmes or move programmes, and add programmes to the favourite list by pressing **FAV**.
Signal Information	Showing the information of current DTV channel. Only available with DTV signal.
Cl information	In the case you use an CI Module for decoding encoded channels, this menu shows the internal menu of the card and/or CAM.
Logical Channel Numbering LCN	This function sort channels automatically to logic order in DVB-T modus if broadcaster support 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 *Logical Channel Numbering* function is set to ON then sorting of channels is not possible in normally way. *Logical Channel Numbering* and *Channel Type* functions are not available when Satellite tuner is selected.

5.3 Picture menu

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

5.3.1 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 effect the dark region of the picture.
Colour	Adjust the saturation of the colour based on your own preference.
Tint	No function

5.3.2 Colour Temperature

In this menu you can change the overall colour 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 colours for the white.
Warm	Increase the red colour for the white.

5.3.3 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.

5.4 Sound menu

Sound Mode	Select your favourite 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 digital home audio system. You can select *Auto* to output Dolby audio automatically. If channel have 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 turn 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.)

5.5 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 other 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 channellist banner is displayed. Choose between *5s*, *15s* or *30s*.

5.6 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 with ▲▼ 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 programmes 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 **ENTER**. It is possible to enable or disable this function by setting *On* or *Off* using ◀ ▶ or **ENTER**.

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

Options contained in the HOTEL MODE menu:

Hotel Mode	To enable or disable this function by setting *On* or *Off* using ◀ ▶ or **ENTER**.
Source Lock	This option allow 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 ▲▼ to 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 are available only when the source selected in *Default Source* contain channels and it is selected in view mode. Use ◀ ▶ to set a channel of your choice.
Default Volume	This option allows to set the default volume when the TV is turned on. Press **ENTER** to display the volume bar, use ◀ ▶ 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, use ◀ ▶ 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.

5.7 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 correct character type belong to language to display correct the TXT. Selection are: West, East, Russian, Arabic or Farsi.
Audio Languages	Press ◀ ▶ to select *Primary* for main audio track or *Secondary* next audio channel if 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 displayed video on the screen. Press**ENTER** to select. Auto, 16:9, 4:3, Zoom 1, Zoom 2.
Blue Screen	If you select a input with no signal and like to have Blue colour screen instead black. Select this function to *On*.
First Time Installation	This option allows you to perform the First Installation again. The complete description is available on 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 update a message appears on screen. Power off by removing the main power connector. Remove 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 warranty will void!

Environment 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**.

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 device.
Device Menu	Access the device menu.

6.0 MEDIA

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. 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 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.
9. An “Unsupported File” message will be displayed if the file format is unsupported or the file is corrupted.

10. FHD big picture needs 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 advances.
12. Please refer to chapter **9. Appendix** for a list of supported file formats for USB playback.

6.2 USB menu

Press **SOURCE** and select *Media*. 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*, *Photo* and *text*. Press **ENTER**, 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 upper lever 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. 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 ◀ ▶ to highlight the corresponding icon on the control bar, then press **ENTER**. The TV will response 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 of the playing video.
Aspect Ratio	Highlight the button and press **ENTER** to select the display mode.

6.2.2 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 response 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 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. 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 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.

6.2.4 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 previous menu.

6.2.5 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 ▲▼ button to select *Software Update (USB)* from the *SETUP* menu on your TV. Afterwards 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 plug in again.

7.0 TROUBLESHOOTING

There maybe various reasons for 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	1. Check whether the power connector is completely plugged at the TV and into 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.

Problem	Possible cause and solution
No Signal	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 aligned correctly respectively the according connection and distribution equipment might show malfunction, incompatibility or defectives. 2. DVB-T/T2: Active antennas need antenna power switched ON or external power connected. Antenna is maybe out of digital signal reception in your area. Check reference from service providers about coverage. 3. DVB-S/S2: Incorrect values of some tuner parameters (e.g. one or some channel(s) changed to another transponder or are no longer emitted). Incorrect values of LNB parameters.
The picture and sound remain frozen, or macro blocks or similar distortion are visible on the screen.	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 : Disturbances caused by signal reflections. DVB-C, DVB-S/S2: The connection cables at the signal source are too long (too high attenuation). DVB-T/T2, DVB-S/S2: The antenna is not properly adjusted or got misaligned after storm etc.
Any other reception or signal related problems	1. Generally cables might have loosened. Moisture might have entered into cables or connectors.There is heavy rain or heavy storm at present (DVB-S/S2 and -T/T2). Check the cable connections. DVB-S/S2 and -T/T2: Check all equipment connected between the reception point and the TV. 2. Wait until heavy rain/thunderstorm passed. If no solution ask a local satellite specialist for advice. DVB-S/S2: The satellite dish is NOT aligned to the (correct) satellite(s). Ask a local satellite specialist for advice. 3. DVB-S/S2: Satellite dish is too small. Trees or buildings are in path. Ask a local satellite specialist for advice. 4. DVB-S/S2: Signal is too strong, maybe need to be atennuated. Ask a local satellite specialist for advice.
No colour	1. Devices are not properly connected (scart, RCA sockets) or wrong/bad cables are used. 2. Adjust the saturation. 3. Switch TV on another channel. It is possible that the current programme is broadcast in black and white.
No picture, normal sound	1. Adjust the brightness and contrast 2. Radio channel is tuned to or the programme is not transmitting Video signals or another broadcasing interference/failure.

Problem	Possible cause and solution
Normal picture, no sound	1. Press the volume up button to increase the volume level. 2. Audio is muted, press ⊘ to restore the sound. 3. If external devices are used to loop the sound through, make sure to select correct sources and correct sound mode, for details also check advices in User Manuals from connected devices 4. Maybe a channel w/o audio is tuned to (demo) or the programme is not transmitting audio signals or there is some other transmission interference/failure.
Playback of video 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.
The remote control does not work	1. hange the batteries. If you're using rechargable 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 fulfil European low power regulations and help you to save energy.

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.

8.0 SPECIFICATIONS

Audio

Audio Output: 10 W + 10 W

Video

DVB-T: Reception range: VHF (50MHz ~ 230MHz), UHF (474MHz ~ 862MHz)
Input impedance: 75Ω
Channel Bandwidth: 7MHz/8MHz
Modulation: DVB-T: COFDM 2K/8K

QPSK,16QAM,64QAM

DVB-S/S2: QPSK ,8PSK
DVB-T2: QPSK,16QAM,64QAM,256QAM
DVB-C: 16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Video System: MPEG-2 MP@ML, MPEG-2 MP@HL, H.2 Main/Main-
10 profile, @L4.1, Support 8-bit/10-bit color depth, 1920x1080@60fps

System:	Sound System: MPEG-1 layer 1/2 DTV: DVB-T2, DVB-S2, DVB-C, DVB-T, DVB-S ATV: PAL/SECAM/ NTSC AV: PAL, NTSC

Connectors

1x ANT/CABLE IN
2x HDMI 2.0
1x HDMI 2.0 (ARC)
1x SCART
2x USB
1x S/PDIF (coax.)
1x AV IN
1x COMMONINTERFACE (CI)
1x Mini YPbPr 1x Headphones

General Data

Operating voltage:	110 ~ 240 V AC 50/60 Hz
Power consumption:	max. 60 W, typ. 41 W
Power consumption in standby:	<0.5 W
Operating temperature:	-20 °C ~ +60 °C
Storage temperature:	-15 °C ~ +45 °C
Operating humidity:	0% ~ 89% RH, non-condensing
Storage humidity:	0% ~ 85% RH, non-condensing
Dimensions (WxHxD) in mm:	729.9 x 83.1 x 426.7 mm
Net-weight:	3.7 kg