

STRONG

FHD SMART ANDROID TV with DVB-T2/C/S2
SRT 43FC5433



User Manual

Bedienungsanleitung

Manuel utilisateur

Manuale utente

Manual do Utilizador

Инструкции за употреба

Руководство пользователя

Посібник користувача

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Käyttöohje

Brukermanual

Manual del Usuario

Gebruiksaanwijzing

Brugervejledning

Manual de Utilizare

Instrukcja obsługi

Fig.1

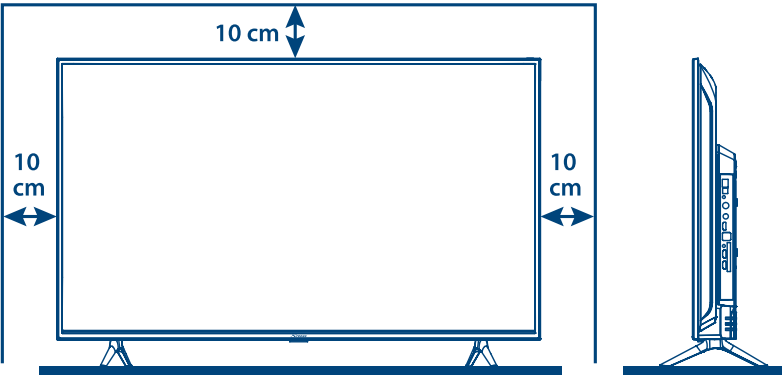


Fig.2

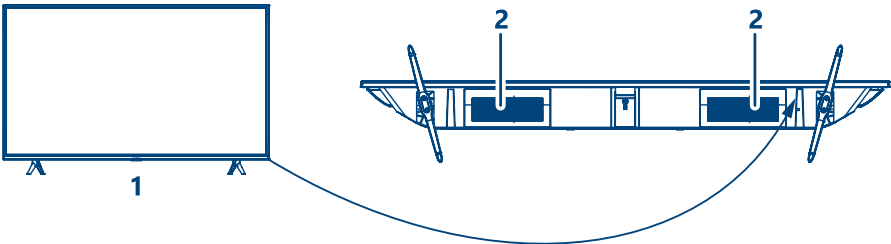


Fig.3a

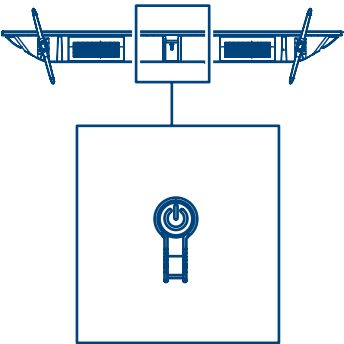
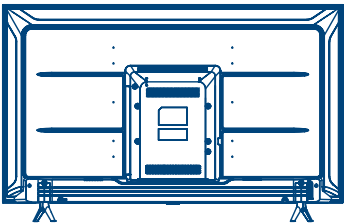


Fig.3b



LAN	S/PDIF (optical)	Mini AV IN	ANTENNA IN	SAT IN 13/18V ≈ 500 mA	HDMI 3	USB 2.0 5V ≈ 0.5A	COMMON INTERFACES		FACE(CI)
1	2	3	4	5	6	7	HEADPHONE	HDMI 2	HDMI 1

Fig. 4a

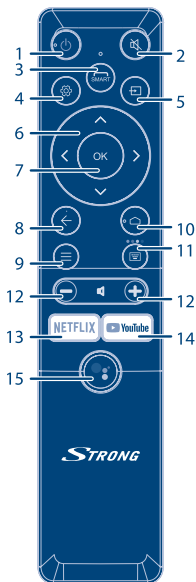


Fig. 4b

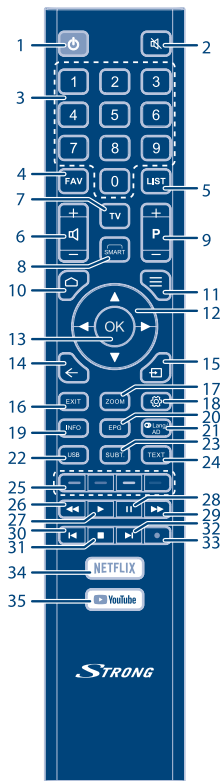


Fig.5

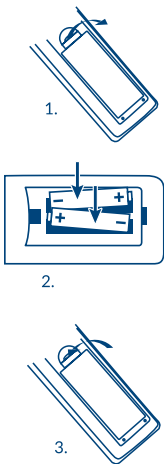


Fig. 6 a

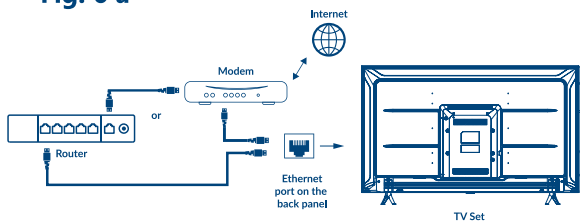


Fig. 6 b

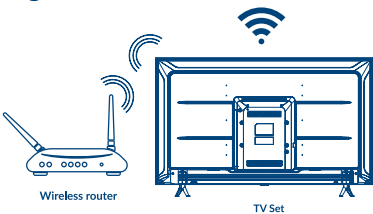


Fig. 7



Fig. 8



Fig. 9



SERVICE CENTER

AT	✉ support_at@strong.tv ☎ 0820 400 150 (€ 0,12/Min. österr. Festnetz)	HU	✉ support_hu@strong.tv ☎ +36 1 445 26 10
BG	✉ support_bg@strong.tv ☎ +359 32 634451	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
CZ	✉ support_cz@strong.tv ☎ 844 44 44 90	NL	✉ support_nl@strong.tv
DE	✉ support_de@strong.tv ☎ 0180 501 49 91 (€ 0,14/Min. deutsches Festnetz) (€ 0,42/Min. max. Mobilfunknetze)	PL	✉ support_pl@strong.tv ☎ 801 702 017
DK	✉ support_dk@strong.tv	PT	✉ support_pt@strong.tv ☎ +351 2 100 06 125
ES	✉ support_es@strong.tv ☎ +34 91 119 61 76	SK	✉ support_sk@strong.tv ☎ 0850 15 05 50
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SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, STRONG declares that the device 43FC5433 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <https://www.strong.tv/en/doc>
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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 environment-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
- 2x remotes control*
- 2x AA batteries and 2x AAA batteries

* You can choose to use both remote control or just one

1.4 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.

Fig. 1

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)
<i>Move to</i>	Represents a menu item within a window. (<i>Italic characters</i>)

2.0 INSTALLATION

2.1 Default PIN code

Access to the LiveTV app to set parental control

2.2 Front panel

Fig. 2

NOTE: The graphics are for representation only.

1. Power indicator /remote sensor
2. Speakers

2.3 Rear panel

Fig. 3a

NOTE: The graphics are for representation only.

1. ▲▼ Scans up/down through the channel list. Within the menu system, the buttons operate with equal function of the ▲▼ buttons on the remote and adjust menu controls.
2. ◀▶ Increases/decreases the volume. Within the menu system, the buttons operate with equal function of the ◀▶ buttons on the remote and adjust menu controls.
3. ⏻/Menu Turns the TV on or in standby. If the TV is on, press the button to display *Source Select*. In some menus, press to return to the previous menu. Long press for 3 seconds to display *NAV* menu.

NOTE: The graphics are for representation only.

Fig. 3b

1. LAN Connect to your Internet router to access the internet/apps.
2. S/PDIF (optical) Use an optical cable to connect your TV to a compatible digital amplifier or Home theatre set.
3. 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.
4. ANT IN Connect a coaxial cable to receive signal from the DVB-T/T2 antenna or DVB-C cable.
5. SAT IN Connect a coaxial cable to receive signal from the Dish LNB.
6. HDMI 3 Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console.
7. USB 2.0 USB 2.0 ports.
8. HEADPHONE Headphone or Earphone audio output, speakers will be muted when earphone is plugged in and headphone selected.
9. CI Insert a Conditional Access Module (CAM).
10. HDMI 2 Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console or directly to a Digital Amplifier that supports the ARC function. This input is equipped with the ARC (Audio Return Channel) feature to implement audio connections and for a full Dolby Audio support.
11. HDMI 1 Connect HDMI input signal from a signal source such as DVD, Blu-ray player or game console.

NOTE:

If the TV turns off when you plug a cable to any connector, just turn it on again.

2.4 Remote control

Fig. 4a

- | | |
|---|--|
| 1.  | Press to turn the TV on or standby. |
| 2.  | Press to mute or restore the volume. |
| 3.  | Opens the smart menu. |
| 4.  | Press to access the TV settings |
| 5.  | Select the input source mode. |
| 6.  | Navigate the menu. |
| 7.  | Confirm the selection. |
| 8.  | Press to go back to previously viewed channel. In menu: Back to previous menu. |
| 9.  | Open the menu options. |
| 10.  | Enter the home desktop. |
| 11.  | Enter the function keys of remote control. |
| 12.  | Adjust the volume up or down. |
| 13. NETFLIX | Press for direct access to Netflix* |
| 14. YouTube | Press for direct access to YouTube. |
| 15.  | Press to activate the voice control function. |

Fig. 4b

- | | |
|--|---|
| 1.  | Press to turn the TV on or standby. |
| 2.  | Press to mute or restore the volume. |
| 3. 0 ~ 9 | Choose channel directly. |
| 4. FAV | Press to view your assigned favourite channels. Press  to cycle through your favourite channels, press OK to confirm. |
| 5. LIST | Press to enter the channel list. |
| 6.  | Adjust the volume up or down. |
| 7. TV | Switch back to the TV mode. |
| 8.  | Opens the smart menu. |
| 9. P +/- | Change programmes up or down. |
| 10.  | Enter the home desktop. |
| 11.  | Open the menu options. |
| 12.  | Navigate the menu. |
| 13. OK | Confirm the selection. |
| 14.  | Press to go back to previously viewed channel. In menu: Back to previous menu. |
| 15.  | Select the input source mode. |
| 16. EXIT | Exit the current menu. |
| 17. ZOOM | Change aspect ratio. |
| 18.  | Press to access the TV settings |
| 19. INFO | Display information about the current source. |
| 20. EPG | Press to display the current EPG information in DTV mode. |
| 21.  Lang/AD | Select audio language. |
| 22. USB | Enter the multimedia menu. |
| 23. SUBT. | Enable/disable subtitles in DTV mode. |
| 24. TEXT | Press to enter or exit the teletext menu. |

25. COLOUR BUTTONS

- | | |
|-------------|---|
| 26. ◀ | Press to execute the prompt function in TV or DTV mode. |
| 27. ▶ | Press to fast reverse. |
| 28. | Press to pause playback. |
| 29. ▶▶ | Press to continue playback. |
| 30. ◀◀ | Press to fast forward. |
| 31. ◀ | Press to play the previous file. |
| 32. ▶ | Press to stop playback. |
| 33. ● | Press to play the next file. |
| 34. NETFLIX | No function. |
| 35. YouTube | Press for direct access to Netflix* |
| | Press for direct access to YouTube. |

* Membership is not included. Netflix is available in selected countries. Streaming Netflix requires to set up an account. Broadband Internet required. See www.netflix.com/TermsOfUse for details.

2.5 Installing the batteries

Fig. 5

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

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

1. Open the cover.
2. Put 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 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 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 remotes 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 or 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.

* to confirm your choices use OK button or ▶ button.

NOTE: This TV is equipped with 2 remotes control. You can choose to use both remote control or just one.

3.0 FIRST TIME INSTALLATION

After all connections have been made properly, switch your TV on. The language selection will appear on the screen. Use ▲▼ to select the *Language* of your preference. Set up your TV with android phone or skip. If you choose to continue, first select your wi-fi network. Sign in to your google account. Accept the terms of service. Follow next steps (location, diagnostic, google assistant, service and privacy, personal result). Then discover the features of the TV (google play, google assistant, chromecast).

Then select your country, confirm with **OK** or ► button

Then select you Country/Region and confirm your selection with **OK** or arrow right button. *The Terms and Conditions, Privacy Notice, Cookie Notice* will appear, please read it and confirm with *I agree* by pressing the **OK** button.

On the following screen, you can select the **TV channel Installation**. Choose the one option you like to use and follow the next instructions.

If you have chosen **Continue** option, you will be able to install channels. Select which installation you want to use: (Antenna/DVB-T/T2, Cable/DVB-C or Satellite/DVB-S/S2).

If you have chosen the option Antenna/DVB-T/T2 you will have the following choices as an option *Digital* to receive digital terrestrial broadcasts *Analogue* for analogue terrestrial reception or both to perform the installation of both choices simultaneously. Other tuners can be set-up if you choose for "I don't want to scan".

If you have chosen, this last option you will now have the possibility to scan Cable tuner.

Select *Digital* or *Analogue* option to scan cable broadcasts or choose for "I don't want to scan". After you have chosen digital as an example, you now have the option to choose your own cable-provider, if available, or you can perform a manual scanning process. Correct frequencies are usually available through your cable-provider. Please contact your provider for this.

If you have chosen "I don't want to scan", you will now have the possibility to scan Satellite tuner.

If you have selected Germany, Austria, Czech Republic, Slovakia, Belgium or the Netherlands as your preferred country, later during the DVB-S/S2 scan process, you can perform Fast Scan processes where channels from the provider you have chosen are stored first in the channel list.

Follow the steps that appear on your TV screen to complete the installation of your TV and enjoy.

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 ▲▼ and then ◀▶ to select channel you like to see EPG overview. Press ◀ to stop and return to viewing modes.

Press the **BUTTONS** for entering the required settings.

YELLOW Schedule Reminder list

BLUE Create reminder list

5.0 NETWORK CONNECTION

Your TV can be connected to your home network in two ways:

- Wired, using the RJ-45 (LAN) connector on the back panel.
- Wireless, using the internal wireless and your home wireless network.

NOTE: To access the Internet, you must subscribe to a highspeed broadband Internet service with your Internet service provider.

NOTE: Instructions below are just the usual ways to connect your TV to a wired or wireless network. The connection method may differ depending on your actual network configuration. If you have any questions about your home network, please refer to your Internet service provider.

5.1 Connecting to a wired network

Fig. 6a

NOTE: The graphics are for representation only.

To connect to a wired network

1. Ensure you have:
 - An Ethernet cable long enough to reach your TV
 - A router or modem with an available Ethernet port
 - A highspeed Internet connection
2. Connect your Ethernet cable to the router and to the Ethernet port on the back of the TV.
3. Use the *Network Configuration* menu to configure the TV.

5.2 Connecting to a wireless network

Fig. 6b

NOTE: The graphics are for representation only.

To connect to a wireless network:

1. Ensure you have:
 - A router broadcasting a highspeed wireless signal
 - A highspeed Internet connection
2. Use the *Network Configuration* menu to configure the TV.

5.3 Network settings

<i>Internet connection</i>	With this option you can turn your internet connection ON/OFF
<i>Interface</i>	Choice of Wifi or wired network
<i>Wireless settings</i>	In this menu you can scan Wifi network and then choose your own network. After choosing your own network you have to enter the code to connect to Wifi network.
<i>IP settings</i>	In this menu you can choose Automatic or Manual IP address.
<i>Information</i>	Here you will find information about your IP address, User ID and BSSID (mac address)

Bluetooth

Set Bluetooth to ON to connect your TV to a Bluetooth device such as a speaker.

6.0 HOME MENU

The Home menu contains *Source*, *Smart* and *Apps*. To access the menu, press the  on the remote control. Use   to move and **OK** to enter the option. To exit the menu, press **EXIT**.

<i>Source</i>	Select the input sources of the devices which are connected to the TV through the different ports.
<i>Smart</i>	Displays the Smart TV settings. Press OK to enter, then   to select the option.
<i>Apps</i>	In this menu you find entertaining apps, like Netflix, YouTube, APP Store, Browser, Accu Weather etc.

7.0 MENU SETTINGS

7.1 Menu control

Press  to enter the main menu. Press   to select Picture, Sound, Channel, Smart TV, Network, System or Support then press **OK** or . Press **OK** to enter the submenus. Press   to select options. Use **OK** to select an item, press  to exit the item. Some items are for information only and cannot be changed.

7.2 Picture menu

<i>Picture preset</i>	Adjust the picture setting that best suits your viewing environment.
<i>Backlight</i>	Adjust the backlight levels of the picture.
<i>Brightness</i>	Adjust the brightness of the picture.
<i>Contrast</i>	Adjust the difference between the light and dark areas of the picture.
<i>Saturation</i>	Adjust the richness of colour.
<i>Tint</i>	Adjust the balance between the red and green levels.
<i>Sharpness</i>	Adjust the crispness of the edges in the picture.
<i>Colour Temperature</i>	Adjust the colour temperature of the picture.
<i>Screen mode</i>	To select the picture format
<i>Dynamic contrast</i>	This function automatically detects the input visual signal and adjusts the picture to create optimum contrast
<i>Noise reduction</i>	Process of removing noise from a signal.
<i>ECO settings</i>	Turn this option ON/Off for lower energy consumption during use.

7.3 Sound menu

<i>Sound preset</i>	Select a preset audio option, optimized for different sounding conditions.
---------------------	--

NOTE:

When Sound preset is set to different mode, five Sound options (100 Hz, 500 Hz, 1.5 KHz, 5 KHz and 10 KHz) will be adjusted, which enable to adjust the frequency levels desired. You can also set the options to your desired levels.

<i>Balance</i>	Control the sound balance between the right and left loudspeaker (earphone).
<i>Auto Volume control</i>	Adjust the volume corresponding to the input audio level. Options are ON and OFF.
<i>S/PDIF type</i>	When connected to a digital amplifier you can select <i>PCM</i> to have all audio converted to a 2-channel stereo. Select <i>Auto</i> to keep the audio settings as they are or OFF to turn off.
<i>S/PDIF Delay</i>	Here it is possible to set up S/PDIF Delay and Speaker Delay.
<i>Audio delay</i>	Adjust sound and picture if they are not in sync with each other. For example when you use audio receiver or soundbar.

7.4 Channel menu

Press **≡** to display the main menu. Press **▲ ▼** to select *Channel* in the main menu, after that press **OK** to enter. Press **▲ ▼** to choose the menu and press **OK** to enter the sub-menu.

NOTE: This function is only available in TV mode.

<i>Channel scan</i>	Scan for all available analogue and digital channels.
<i>Channel List</i>	Show all searched channels in a list.
<i>EPG</i>	Press OK▶ to enter the Programme Guide menu.
<i>Channel organiser</i>	Skip, sort, edit and delete channels (see chapter 7.4.1 for more details)
<i>Channel diagnostics (on digital TV channels)</i>	Press OK▶ to display some signal information on current digital channel, such as signal strength, Frequency etc.
<i>Teletext</i>	Use ▲ ▼ to select the teletext language.

7.4.1 Channel organiser

Select "Setting" -> "Channel" -> "Channel organiser". You find 4 submenus: Channel skip, Channel sort, Channel edit, Channel delete

7.4.1.1 Channel skip

Enter Channel skip. If you want to hide the channel from the channel list, just select it.

7.4.1.2 Channel sort

Enter Channel sort. There are two types: Channel swap and Channel insert

Channel swap: to exchange the channel order of two channels of the same type, first need to select the two channels to be exchanged, press the OK key to exchange the order of two channels. When the number of channels exceeds one page, the Quick jump function will take effect, which is used to quickly jump to the channel number entered by the user.

Channel insert, which is used to adjust the order of selected channels. After selecting the channel to be inserted, move the cursor to the place to be inserted and press the RED button to insert

7.4.1.3 Channel edit

Channel editing function, select the specified channel, press OK key to edit channel number or channel name.

7.4.1.4 Channel delete

This function is used to delete the selected channels. If there are too many channels, it will take a little more time. Please be patient.

7.5 Smart TV menu

Press  to display the main menu. Press   to select *Smart TV* in the main menu. Press **OK** to enter the sub-menu.

<i>Netflix Setting</i>	Here you can deactivate your device from Netflix.
<i>Wireless Display</i>	Share screen and sound of your device such as smartphone or tablet to your TV wirelessly.
<i>Fast Cast</i>	Use your mobile phone as a remote control, view the photos on your TV screen that are on your mobile phone or listen to your music.
<i>Networked standby</i>	Press OK or  to select OFF or ON.

NOTE:

"Wireless Display" and "Fast Cast" function requires a compatible app on your smartphone or mobile device. Please download an app for media sharing and wireless display from the App Store or Google Play Store to use these features on your TV.

WARNING:

- Configure the network settings before using Smart TV.
- Slow responses and/or interruptions may occur, depending on your network conditions.
- If you experience a problem using an application, please contact the content provider.
- According to circumstances of the content provider, an application's updates or the application itself may be discontinued.
- Depending on your country's regulations, some applications may have limited service or not be supported.

7.6 System menu

Press  to display the main menu. Press   to select *System* in the main menu, then press **OK** to enter the sub-menu.

<i>Menu language</i>	Press OK /  to display the language list and use   to select a language.
<i>Timer</i>	Select local time zone.
<i>Clock</i>	Select to turn on Auto synchronisation. Select OFF to set options manually.
<i>Sleep timer</i>	Set a period of time after which the TV set goes in standby mode.

<i>Auto standby</i>	Set a period of time after which the TV set goes in standby mode.
<i>Lock</i>	Control the special function for TV. Factory default code is 1234. Super password is 0423.
<i>T-Link</i>	Use this function to turn on the ARC function and search for CEC devices connected to the HDMI connector of your TV.
<i>Location</i>	Select Home or Shop mode depending on your viewing environment.
<i>HbbTV Setting</i>	Using HbbTV, you'll not only be able to browse an EPG (electronic program guide) for the week ahead to see what shows are coming up, you'll be able to browse backwards, see what shows you missed and watch them without needing to open up the individual catch-up TV apps for the channels.
<i>Common Interface</i>	Press OK or ▶ to enter the Common Interface.
<i>Subtitle</i>	Choose between <i>ON</i> and <i>OFF</i> .
<i>Factory Reset</i>	Please note when confirming this choice, all previously set settings will be deleted and your TV will be reset to the factory settings !!!

8.0 USB

8.1 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.

8.2 USB menu

You can view movies, music, photo or browser files from your USB storage devices. Connect a USB storage device to the USB input terminal and select the types of media on the Multimedia page: *Movie, Music, Photo* and *text*. Press **OK** or **▶**, the screen will show the connected USB device, press **OK** again to view the file folders and files. Press **▲▼** or **◀▶** to select a folder, press **OK** 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 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.

8.2.1 Play movies

Fig. 7

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

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 **OK**. 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.

8.2.2 Play music

Fig. 8

Press **INFO** or **OK** to display/exit from the menu bar. Press the **USB control buttons** on the remote control to do relevant operations.

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 **OK**. 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.

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.

8.2.3 Browse photos

Fig. 9

Press during viewing **INFO** or **OK** to display/exit from the menu bar. Press the **USB control buttons** on the remote control to do relevant operations.

<i>Pause/Stop/FB/FF</i>	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 OK . The TV will response accordingly.
<i>Rotate</i>	Highlight the icon in the menu bar and press OK to rotate the picture 90 degrees clockwise or counter clockwise.
<i>Zoom In/Zoom Out</i>	Highlight the icon on the menu bar and press OK to zoom in or zoom out of the image.
<i>BGM</i>	Background music: If you additionally saved music files on the very USB flash drive, you can playback music files while viewing your photos.

NOTE: The move function  is only available when the image is enlarged.

8.2.4 Browse text documents

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

8.2.5 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 **OK** 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.

9.0 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.

Problem	Possible cause and solution
No picture, no sound	1. Check if the fuse or circuit breaker is working. 2. Plug another electrical device into the outlet to make sure it is working or turned on. 3. The power plug is in bad contact with the outlet. 4. Check the signal source.
No colour	1. Change the colour system. 2. Adjust the saturation. 3. Try another channel. Black-white programme may be received.
The remote control does not work	1. Change the batteries. 2. The batteries are not installed correctly. 3. Main power is not connected.
No picture, normal sound	1. Adjust the brightness and contrast. 2. Broadcasting failure may happen.
Normal picture, no sound	1. Press the volume up button to increase the volume. 2. The volume is set to mute, press  to restore the sound. 3. Change the sound system. 4. Broadcasting failure may happen.
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	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. 1. Adjust the position and orientation of the indoor/outdoor antenna. 2. Check the connection of the antenna. 3. Fine tune the channel. 4. Try another channel. Broadcasting failure may happen.
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 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	a) 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. b) The satellite dish is not pointing at the (correct) satellite(s). Adjust the dish. Ask a local satellite specialist for advice. c) Satellite dish is too small, trees or buildings in path. Change to a larger dish or change position of dish. d) Signal is too strong, dish is oversized. Connect a signal attenuator to the LNB input. Ask a local satellite specialist for advice.
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.
If the TV turns off after plugging a cable into any connector	Again, turn on the TV.

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.

10.0 SPECIFICATIONS

Audio

Audio Output: 2 x 8 W

Video

Channel coverage: DVB-T2: 174 MHz-230 MHz; 470 MHz-860 MHz
DVB-C: 113-858 MHz
DVB-S2: 950 MHz-2150 MHz
System: DTV: DVB-T2, DVB-S2, DVB-C
ATV: PAL/SECAM (BG/DK/1)
AV: PAL, NTSC, SECAM

Connectors 50 inch

1x ANT/CABLE IN
1x SAT IN
1x CI
3x HDMI
2x USB
1x LAN (RJ-45)
1x S/PDIF (optical)
1x AV IN 3,5 mm
1x HEADPHONES

General Data

Operating voltage: 180 ~ 240 V AC 50/60 Hz
Power consumption: max. 85 W, typ. 54.0 W
Power consumption in standby: ≤ 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 (W x D x H) in mm: 996.7 x 221.6 x 616.3
Net-weight: 6.2 kg

Data Protection:

Please be aware that STRONG, its manufacturing partners, the application providers and the providers of the services may collect and use technical data and related information, including but not limited to technical information about this device, system and application software and peripherals. STRONG, its manufacturing partners, the application providers and the providers of the services may use such information to improve its products or to provide services or technologies to you, as long as it is in a form that does not personally identify you.

Additionally, please keep in mind that some services provided - already in the device or installed by you - may request a registration for which you have to provide personal data.

Besides that, please be aware that some services which are not pre-installed but can be installed may collect personal data even without providing additional warnings and that STRONG cannot be held liable for a possible breach of data protection by services not pre-installed.