STRONG

Digital Terrestrial HD Receiver

SRT 8216



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

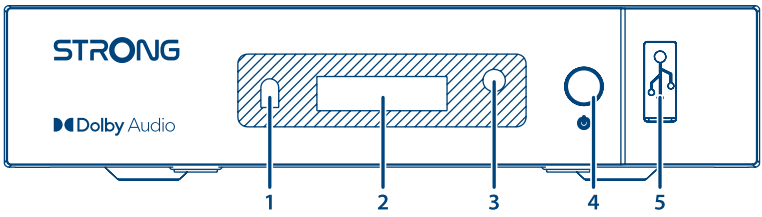


Fig. 2

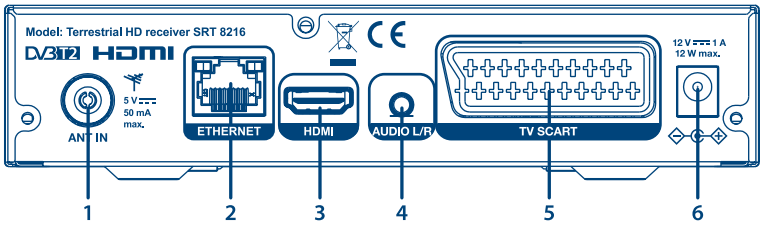


Fig. 3

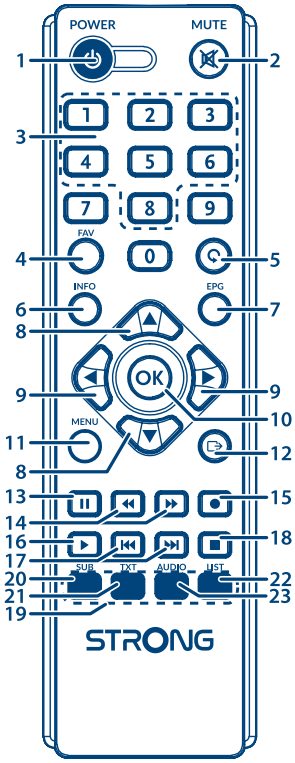


Fig. 4

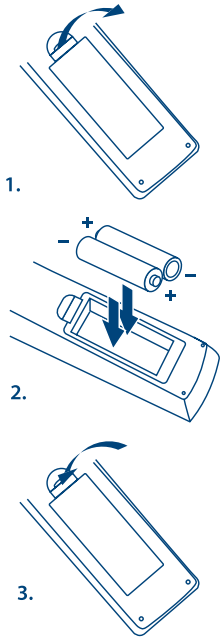


Fig. 5

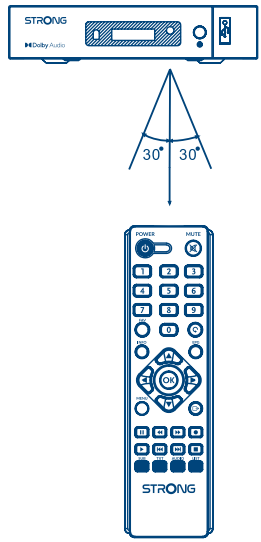


Fig. 6

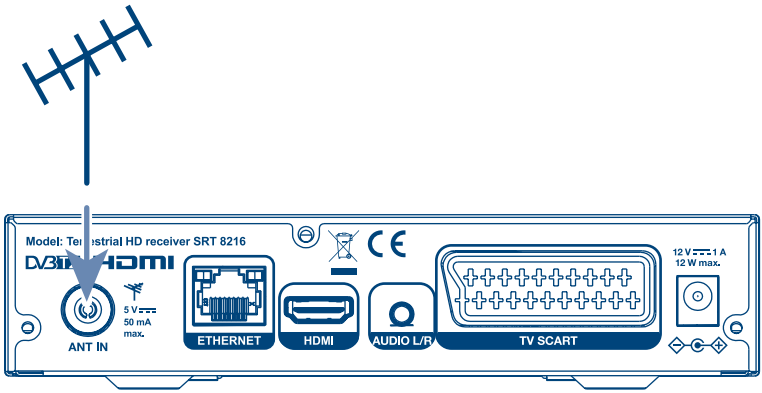


Fig. 7

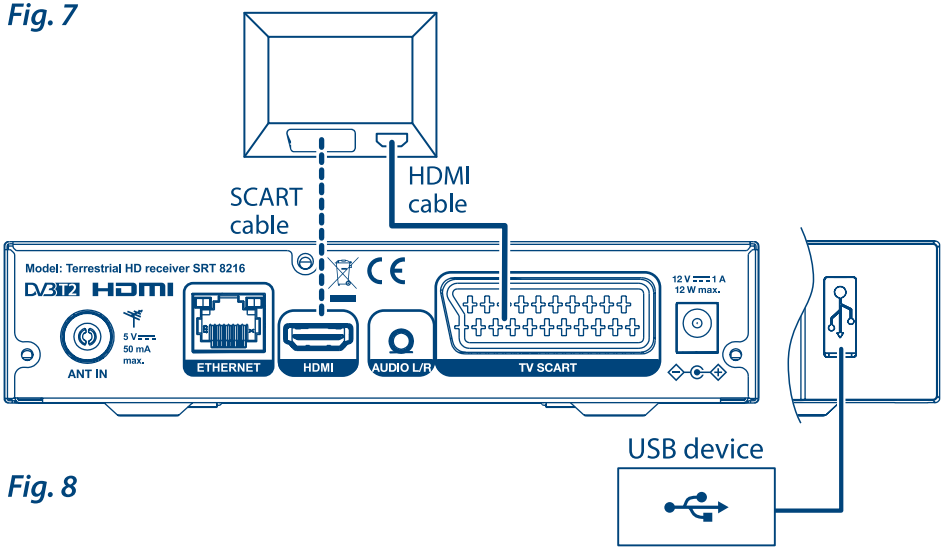
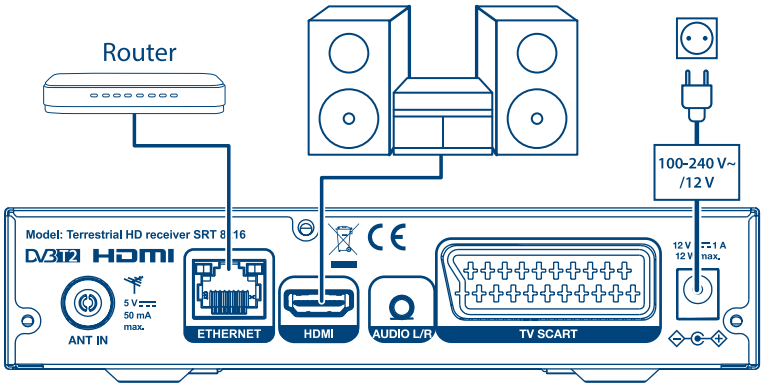


Fig. 8



SERVICE CENTER

AT
support_at@strong.tv
0820 400 150
(€ 0,12/Min. österr. Festnetz)

BG
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+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)

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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

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1.0 INTRODUCTION

1.1 Safety Instructions

DO NOT INSTALL YOUR RECEIVER:

- In a closed or poorly ventilated cabinet; directly on top of or under any other equipment; on a surface which might obstruct the ventilation slots.

DO NOT EXPOSE THE RECEIVER OR ITS ACCESSORIES:

- To direct sunlight or any other equipment that generates heat; to rain or intense moisture; to intense vibration and to any shock which may cause permanent damage to your receiver or to any magnetic objects, such as loudspeakers, transformers, etc.
- Do not use a damaged power cord. It may cause a fire or an electric shock. Do not touch a power cord with wet hands. It may cause an electric shock.
- When the receiver is not used for a long period of time, you should unplug the power cord from the wall socket.
- Do not use alcohol or ammonia based liquids to clean the receiver. If you wish, you may clean your receiver with a soft lint-free cloth slightly made damp with a mild soap solution, and only after disconnecting from the mains voltage supply. Make sure no foreign objects fall through the ventilation slots because this could cause fire or an electric shock.
- Do not place any objects on top of the receiver because this might prevent proper cooling of the components inside.

Safety Precautions

- Never try to open the receiver. It is dangerous to touch the inside of the receiver due to high voltages and possible electrical hazards. Opening the receiver will void the warranty of the product. Refer all maintenance or servicing to suitably qualified personnel.
- When you are connecting cables, be sure that the receiver is disconnected from the mains supply voltage. Wait a few seconds after switching off the receiver before you move the receiver or disconnect any equipment.
- It is a necessity that you only use an approved extension and compatible wiring that is suitable for the electrical power consumption of the installed equipment. Please ensure that the electrical power supply corresponds with the voltage on the electrical identification plate at the back of the receiver.

If the receiver does not operate normally even after strictly following the instructions in this user manual, it is recommended to consult your dealer.

1.2 Storage

Your receiver and its accessories are stored and delivered in a packaging designed to protect against mechanical shocks and moisture. When unpacking it, make sure that all the parts are included and keep the packaging away from children. When transporting the receiver from one place to another or if you are returning it under warranty conditions, make sure to repack the receiver in its original packaging with its accessories. Failing to comply with such packaging procedures could damage the product and void your warranty.

1.3 Equipment Set-up

We recommend you to consult a professional installer to set up your equipment. Otherwise, please follow the instructions below:

- Refer to the user manual of your TV and, if applicable, your antenna.

- Make sure that the HDMI cable and, if applicable, outdoor components are in a good condition.
- If you use the TV SCART connection, use a well shielded SCART cable.

This manual provides complete instructions for installing and using this receiver. The following symbols will serve as follow.

WARNING:	Indicates warning information.
NOTE:	Indicates any other additional important or helpful information.
MENU	Represents a button on the remote control or the receiver. **(Bold characters)**
Move to	Represents a menu item within a window. *(Italic characters)*

1.4 Accessories

- Installation instructions
- remote control unit
- 2x batteries (AAA type)

WARNING:	The batteries should not be recharged, disassembled, electrically short-circuited, be mixed or used with other types of batteries. If rechargeable accumulators instead of batteries are going to be used (e.g. NiMH), we recommend using types with low self-discharge to ensure long time operation of your remote control.

1.5 Usage of external USB devices

- It is recommended to use USB 2.0 storage devices. If your device is not compatible to USB 2.0 specifications, recording, playback and other multimedia functions of the receiver might not work properly.
- STRONG cannot guarantee the playback of files although extensions are listed, as it depends on codec, data bit rate and resolution used (all MPEG codec formats are supported).
- It is advised not to store important information on USB storage devices used with the receiver.
- Always make backups of data on your USB storage device before using it with this receiver.
- STRONG will not take responsibility for any loss of information or circumstances caused by loss of information.

2.0 YOUR RECEIVER

2.1 DEFAULT PIN: 0000

2.2 Front Panel

Fig. 1

1. **IR Sensor** Receives commands from the remote control
2. **LED Display** Shows channel number and time in standby
3. **Mode Indicator LED**
   Green indicates that the receiver is On.

4. **Standby/ON button**
   Switches the receiver ON or into Standby
5. **USB** To connect your USB storage device.

2.3 Rear Panel

Fig. 2

1. **ANT IN** To connect to your antenna for reception of broadcast signals.
2. **ETHERNET** To connect to your Ethernet cable (RJ-45) for RSS feeds and weather forecasts
3. **HDMI** To connect your receiver with your TV-set using an HDMI cable. (recommend) to able to watch in HD quality.
4. **AUDIO output** To connect your receiver to analogue amplifier set, AV receiver. Using a Jack stereo to 2 x RCA
5. **TV SCART** To connect your receiver with your TV-set using a SCART cable.
6. **Power entree 12Volt**
   To connect to the power adaptor (100 - 240 V AC ~ 50/60 Hz to 12volt DC/1 Amp)

2.4 Remote control

Fig.3

1. ⏻ Switches the receiver On/Standby.
2. Mutes all audio outputs of the receiver
3. **0~9** Enter channel number in TV mode or value input in menu
4. **FAV** Opens the favourite group selection.
5. One step back in menu or back to previous channel.
6. **INFO** Opens the current channel information; 2x opens technical signal information
7. **EPG** Opens the EPG* (Electronic Programme Guide) in TV mode.
8. ▲▼ Change channel to next/previous. Menu: Moves the cursor up/down.
9. ◀ ▶ Decreases/increases the volume level. Menu: Change settings for specific menus.
10. **OK** Opens the current channel list, in menu: for confirmation
11. **MENU** Opens the main menu, in a menu you will get one step back.
12. Exits from the menu or sub-menu.
13. ❚❚ Press to pause playback
14. ◀◀ ▶▶ Fast rewind/fast forward.
15. ● Starts recording of the currently watched programme (* Not available for Italy)
16. ▶ Press to continue playback.
17. ⏮⏭ Jump function in multimedia playback
18. ■ Stop playback.
19. **COLOUR BUTTONS**
    In different menus for specific functions e.g. Teletext and Editing.

Double function for colour buttons:

20. **SUB (red)** Shows list of subtitled languages, for the current channel.
21. **TXT (green)** Shows Teletext on screen.
22. **AUDIO (yellow)** Shows list of Audiotracks, for the current channel.
23. **LIST (blue)** Opens the current channel list.

* Subtitles, Videotext, EPG (Electronic Programme Guide), and Audio languages are depending on availability in the specific broadcast

2.5 Installing the batteries

Fig. 4

Open the cover on the remote control and insert 2x AAA type batteries into the compartment. Observe correct polarity of the batteries when inserting. A terminal diagram is shown inside the compartment.

1. Remove the cover.
2. Insert the batteries.
3. Place the cover.

2.6 Using the remote control

Fig. 5

To use the remote control, point it towards the front of your receiver. The remote control supports a range of up to 5 meters distance to the receiver at an angle of up to approx. 30 degrees.

NOTE:	Managing the receiver will be limited or not possible if there are obstacles between the remote control sensor (at the front panel of the receiver) and the remote control. Direct sunlight or very bright light can reduce or disturb the reception of the remote control signals.

3.0 CONNECTION

3.1 Connecting to a terrestrial antenna

Fig. 6

To receive broadcast signals, your terrestrial indoor or outdoor antenna must be connected to the ANT IN connector on the back of the receiver. Use a proper shielded antenna cable and suitable connectors.

NOTE:	If the signals at your location are too weak to receive proper signals with an indoor antenna, we recommend using an outdoor antenna which can be pointed towards the transmission tower. Ask your local dealer for more information. If you are using an active antenna with built-in antenna amplifier, switch the antenna power to *ON* in the menu *Antenna Power*.

3.2 Connecting to TV with HDMI cable

Fig. 7

The TV set shall be connected to the receiver using a good quality HDMI cable. This connection gives the highest possible picture quality.

3.3 Connecting to TV with SCART cable

Fig. 7

Your receiver is also equipped with a SCART connector; alternatively, the TV set can be connected to the receiver using a good quality SCART cable.

3.4 Connecting a USB storage device

Fig. 7

This port can be used for USB storage devices such as USB pen drives or HDD with a maximum peak current of 500 mA. It is recommended to use USB 2.0 storage devices for playback of video files or HD movies.

3.5 Connecting to Ethernet for RSS feeds and weather forecasts

Fig. 8

To use this option of your receiver it must be connected to your router. Connect the Ethernet (RJ-45) connector with a class CAT5E (or higher) cable to your router.

3.6 Connection to main power supply

Fig. 8

After all the connections are done you can connect your digital receiver to the mains power.

3.7 Extended connections for your home entertainment

Fig. 9

Connecting to a digital audio amplifier and TV using HDMI

By connecting your receiver to an HDMI equipped digital amplifier or home cinema set you will enjoy the best possible sound quality and multi-channel audio (depending on broadcast). Connect the HDMI output of the unit to an input of your amplifier, and then connect the HDMI output of the amplifier to your TV set. Select the correct input on your amplifier to watch and listen to programs.

4.0 STARTING UP FOR THE FIRST TIME

When you use your receiver for the first time, the *Welcome* menu appears.

In this menu you need to select the first important settings as "Region" where receiver is used, the "Language" you like to use in menu and if using active antenna which need "Antenna Power" to function. Use ◀ ▶ to select and use ▲▼ to move the highlight to next item in the menu. Once you have done these selections, select "Search" and press **OK** button to start scanning.

The following settings are available:

Region:	Select the region in which the receiver is used. The selections *England*, *Hungary*, *Poland*, *Denmark*, *Italy* and *France* will store channels in Logical Channel numbering (LCN). This means that it is operator defined which channel will be stored on position 1 and so on. Sorting of channels afterwards is not possible. If you like to sort the channels yourself, set the region/country to *Other*.
Language:	Select the language you like to use in menu or from region where receiver is used. The audio channels will set automatically to this selection as first priority.
Antenna Power:	Set to *On* if you use an active antenna (with built-in amplifier). When set to *On*, 5 V will be present at the ANT IN connector of the receiver. Select *Off* for passive antennas.

Scan mode:	Select *All* to store scrambled and free-to-air channels or select *Free* to store only free-to-air channels.

NOTE:	Wrong region selection can lead to missing channels or channels being stored at wrong positions in the channel list. Scrambled channels cannot be viewed with this model.

The receiver will search for all available channels. When the scan is finished, the receiver switches to viewing mode. Now you can enjoy watching your favourite TV channels. If you get the message "No channels found", then check again the antenna, coaxial cable, connector and in menu if you have reception. When this has been checked, reset the unit and follow the installation wizard again as shown below.

NOTE:	If the *Welcome* menu does not appear after switching on the receiver for the first time, reset the receiver to factory settings by pressing the **MENU** button and select *Factory Setting* in the menu *Tools*. **(DEFAULT PIN: 0000)**.

5.0 QUICK GUIDE TO USING YOUR RECEIVER

We at STRONG understand that you can't wait to enjoy your new high-definition digital terrestrial receiver. The following quick guide will make you familiar with the basic operation of this device. We do, however, advice you to read the full manual to get the best performance from your receiver.

To turn your receiver ON or to Standby, press ⏻ on the remote control.

Choose the desired channel with ▲▼. Alternatively, you can press the channel number with the **0~9** buttons on the remote control or press **OK** in viewing mode to display the channel list. The volume can be adjusted with ◀ ▶.

6.0 OPERATION

Your new receiver is equipped with several features to make watching TV a true pleasure. This paragraph describes these features. Please do also read chapter **7.0** to get familiar with the menu of your receiver.

6.1 Changing channels

Following ways are possible for changing channels with your new receiver:

- Via direct access using the **0~9** buttons.
- Via the channel list through **OK** and the ▲▼ buttons.
- Via the ▲▼ buttons.

6.1.1 Direct access via 0~9 buttons

To gain direct access to a certain channel, simply enter its number with the **0~9** buttons on the remote control. Channel numbers can be up to four digits long. Entering a number with less than four digits is possible. Just wait a few seconds and your receiver will switch to the selected channel or press **OK** immediately after selecting the channel number.

6.1.2 TV list

Press **OK** in viewing mode to display the *TV list*. Use ▲▼ in the channel list to highlight your channel of choice and press **OK** once to select the highlighted channel. Press **OK** again to leave the channel list mode.

NOTE:	Use ◀ ▶ to toggle between the *All Channel* list and the favourite list(s) or press **FAV** in viewing mode for a list of available favourite lists.

6.1.3 Using ▲▼

▲ switches to the next channel.

▼ switches to the previous channel.

6.2 Info Banner

While watching TV, you can press **INFO** at any time to access information about the current channel and event*.

Press **INFO** twice for technical details and signal level and quality.

* Event information is displayed when available. Availability depends on broadcast.

6.3 Selection of audio language

Some channels support a choice of audio formats and/or languages. To select another audio track, press **AUDIO** in viewing mode. A list of available audio tracks will now be displayed. Use ▲▼ to select a track and confirm with **OK**. The audio channel as stereo, mix, left and right can be selected with ◀ ▶.

6.4 Teletext

Your receiver includes a fully featured Teletext. To access Teletext, press **TXT** in viewing mode and use the **0~9** buttons to enter the number of the page you wish to see. Use ▲▼ to select one page up or down, use ◀ ▶ to select subpages. Press ⮆ or **TXT** to get back to viewing mode.

6.5 Subtitles

Some channels support a choice of subtitle languages. Press **SUB** in viewing mode to display a list of available subtitle languages. Select your subtitle of choice with ▲▼ and press **OK** to confirm. Press ⮆ to leave without making changes.*

* Availability of DVB/Hard of Hearing subtitles depends on the broadcast. If subtitles are not present, then, they can be activated via Teletext.

6.6 EPG (Electronic Programme Guide)

The Electronic Programme Guide is a very useful function that allows you to view event schedules and programme information and to mark events/movies for wakeup of the receiver. To access the EPG, press **EPG** in viewing mode. Use ▲▼ to select a channel and ◀ ▶ to select an event. Press **OK** to display detailed information of the selected event. Use ↻ to quit the detailed information screen. Press the **RED** button to see and select another day or time. Press the **GREEN** button to set a timer for a selected event. Refer to section **7.3.5** for details of the timer function.

NOTE:	Availability of EPG data depends on broadcast.

6.7 Record, Timeshift and Format*

To use these functions, you must connect a USB memory device to the USB port at the front panel. For best performance, especially of HD content, we advise to use Hard Disk drives USB 2.0. These must be formatted in FAT32 format, otherwise Record and Timeshift function will not work.

* Not available for Italy and Germany.

6.7.1 Instant recording*

To immediately record a programme, press ● to start the recording and press ■ to quit. During a recording it is possible to press ▲▼, or **OK** and ▲▼ to change to another channel on the same transponder (frequency) only. Also, it is possible to use the **0~9** buttons.

* Not available for Italy and Germany.

6.7.2 Timeshift*

If you want to use the Timeshift function you only need to press ❙❙ in viewing mode. To resume timeshifted content, press ▶ or ❙❙ again. During the playback you can use the ◀◀ ▶▶ or ❙❙ buttons. To stop the Timeshift mode, press ■ and it will jump to the actual time of the live signal. The function will still be running in the background and as long you do not switch to another channel it is possible to jump again to the beginning by pressing ❙❙ again. Also, with ◀ ▶ it is possible to jump in time during Timeshift modes.

If the channel is changed timeshifted content will only be accessible from the newly selected channel.

* Not available for Italy and Germany.

6.7.3 Timer recording*

There are 2 ways to set a timer:

Programming a record timer via the EPG

The easiest way to record an event is via the EPG. Press the **EPG** button to open the EPG, then use ▲▼ to select a channel. After that, press ◀ ▶ and use ▲▼ to select an event. You can book a record timer by pressing **GREEN** button to set a timer for a selected event.

Programming a record timer via the Timer menu

Press the **MENU** button on the remote control in viewing mode, select in menu *System Setup* option *Timer*. This way you are free to programme 8 timers. For further details about this menu, please refer to chapter **7.3.5 Timer** in the user manual.

* Not available for Italy and Germany.

6.7.4 Playback*

After a recording has been made you will find a new folder *ALIDVRS2* created on your external USB storage device. Press the **MENU** button select *Media Player*.

Inside the *Media Player* menu the following functions are supported:

▲▼	To select a record event.
OK	Starts playback in preview and again in full screen mode.
■	Stops playback
NUMERIC 1~6	Number **1** toggle between the file types, Music, Image, Video and PVR(records).

Number **4** allow to rename a selected record.

Number **6** Opens the option to select and deselect for deleting a record file(s).

Marks a recording for deletion. When all recordings you want to delete are marked, press **EXIT**.

* Not available for Italy and Germany.

7.0 MAIN MENU

The main menu gives you access to *Installation, Edit Channels, System Setup, Multimedia* and *Tools* functions. To access the main menu, press **MENU** in viewing mode. Throughout the main menu, ↵ can be used to get back to the previous screen and **MENU** to quit.

7.1 Installation of channels

Use ◀ ▶ to select the main menu item *Installation*.

Use ▲▼ to highlight the submenu of choice and press **OK** to select.

7.1.1 Auto Search

This menu allows you to search for channels from all available frequencies for your selected region automatically. Be aware that all previous installed channels and favourite list(s) will be deleted. The new found channels will be installed in the channel list and afterwards you can create a new favourite list if you like.

The option *T2 Signal Only* is to select between *No* DVB-T+T2 or selection *Yes* only DVB-T2 modulation type. When in doubt, use the *No* selection.

Highlight *Search* and press **OK** to start scanning.

7.1.2 Manual Search

This menu allows you to search for channels at a specific Frequency or Channel number.

Use ▲▼ to select *Scan mode* and select between *By Channel* which allow to select standard steps or select *By Frequency* to allow entering specific frequencies.

Use ▲▼ to select *Channel No* and select the channel number of the frequency you'd like to search.

Highlight *Search* and press **OK** to start scanning. New found channels will be added to the channel list.

7.1.3 Country

Here you can select other region in which the receiver is used, before you will do a new auto scan process. The selections *England*, *Hungary*, *Poland*, *Denmark*, *Italy* and *France* will store channels in Logical Channel numbering (LCN). This means that it is operator defined which channel will be stored on position 1 and so on. Sorting of channels afterwards is not possible. If you like to sort the channels yourself, set the region/country to *Other*. Press ↵ to leave.

7.1.4 Antenna Power

If you use an active antenna (with built-in amplifier), then switch the *Antenna Power* to *On*. This will supply at the ANT IN connector 5volt to antenna trough the coax cable. If you use a passive antenna (without built-in amplifier), then select *Off*.

7.1.5 Scan Mode

Use ▲▼ to select *Scan mode* and select between *Free* which will only install Free-to-Air channels or *All*. This means that channels that are Free-to-Air or scrambled will be searched and stored. Be aware that you receiver only can show Free-to-Air channels.

7.2 Channel Editing

Use ◀ ▶ to select *Edit Channel* in the main menu.

Use ▲▼ to highlight the submenu of choice and press **OK** to select.

7.2.1 TV Channel List

This menu allows you to create favourite lists, move channels in order, lock channels with PIN protection and delete channels from the TV list.

7.2.1.1 Adding channels to favourite lists

Channels from the *TV list* can be added to up to 8 different favourite groups. To create a *Favourite List* press **FAV** on remote and *FAV* will be highlighted. Use ▲▼ to select a channel you wish to add to a favourite group. When the highlight is on the channel of your choice, press **OK**. New selection screen will open with 8 FAV groups, just select and press **OK** to add or remove to selected group(s). Press ⮆ to leave and to repeat for other channel to add to Fav group(s).

7.2.1.2 Move channels in channel list

The receiver has a function to install found channels in Logical Channel Numbering (LCN) order. This means that the channel numbers are defined by the operator and automatically sorted this way in the main channel list. Sorting in the main list is possible but channel number kept connected to channel name. This function is automatically active if selected in the first installation wizard within the region like *Italy*, *France*…... If you would like to sort channels as below, reset the receiver back to factory settings and install the channels again within another region. See chapter **7.1.3** in this manual.

Sort the channel order from the main channel list. Select the option *Move* to press **YELLOW** button.

Use ▲▼ to select the channel you would like to move press **OK**. Use ▲▼ to select the new channel position you would like to move press **OK** to confirm. This can be done with even more channels until you are happy with the sorted order. To store the new channel order, press the ⮆ button and select *Yes* to store.

7.2.1.3 Lock channels

Protect channels with a PIN code before you can watch them. Select the option *Lock* to press **RED** button. and press **OK**. Use ▲▼ to select a channel you wish to protect. When the highlight is on the channel of your choice, press **OK**. If you like to remove a channel from this list, then simply select that channel and press **OK** to unselect.

7.2.1.4 Delete channels

Delete a channel or channels permanently from the main channel list (until you make a new search). Select the option *Edit* then option *Delete*. Use ▲▼ to select the channel you wish to delete. When the highlight is on that channel, press **OK**. At the right hand side you will find the selection to delete from channel list. When you are ready, press ↻ and confirm.

7.2.2 Radio Channel List manager

Create favourite lists, move channels in order, lock channels with PIN protection and delete channels from the radio list. The functions of handling are the same as in the *TV Channel List* as described above. The only difference is that in the *Radio manager* there is no video information, so it will always display the radio background on the preview screen.

7.3 System Setup

Use ▲▼ to select *System Setup* in the main menu. Use ▲▼ to highlight the submenu of choice and press **OK** to select.

7.3.1 Language

This menu allows you to set up your language preferences.

OSD Language: Use ◀ ▶ to select the language for the On Screen Display.

First Audio: Use ◀ ▶ to select the audio language you like to hear as first priority, if available.

Second Audio: Use ◀ ▶ to select a language that will be played when the language selected at *First Audio language* isn't available.

Teletext: Select the language for local used language to support correctly the use character types in Teletext.

7.3.2 Tv System

Use this menu to match your receiver to your TV set and/or home cinema set.

The following settings are available:

Video Resolution: Select the video resolution of your TV screen. The options are: selections *480i up to 1080p* Please use a setting that matches the specifications of your TV. Selection above 576i is only applicable to the HDMI output.

Aspect Ratio: Select the aspect ratio of your TV. The options are: *4:3* for 4:3 screen and *16:9* for 16:9 TV sets. Select *Auto* for automatic detection if TV support this function.

HDMI/ Digital Audio Output: Toggles between *PCM* and *RAW* output. When *PCM* is selected, all digital audio will be converted to stereo audio. *RAW* enables you to listen or transfer Dolby® Digital/Dolby® Digital Plus* audio to the TV via HDMI to a home cinema set.

* Dolby Digital Plus, Dolby Digital and the double-D symbol are registered trademarks of Dolby Laboratories

7.3.3 Display Settings

This menu allows to change Brightness, Contrast, Saturation, Hue and Sharpness for video display on you TV screen.

7.3.4 Local Time Settings

Here you can set up your time zone for clock/time in your menu and system.

Use ▲▼ to move the highlight to the setting of choice. Values can be changed with ◀ ▶. Press ⮆ to leave.

Region:	Select or check region to define timezone.
GMT Usage:	Set *By Region* for broadcaster defined time depending of country selection you made in the *First Installation Wizard*. Normally, the clock/time will be correct and also follow up the summertime changes automatically. In some regions close to neighbouring countries it can happen that the wrong time zone is followed. In this case select the option *User Defined* to set up time manually in the next steps below.
GMT Offset:	Allows you to adjust the time zone you live in. This option is only available when *GMT Usage* is set to *User Define*.The *GMT Offset* range is "-11:00 ~ +12:00".

7.3.5 Timers Setting

This menu allows you to set up to 8 timed events for waking up the receiver.

Use ▲▼ to select *Timer* from the *Settings* menu and press **OK** to enter.

The receiver will display a list with 8 timers, followed by their respective status. Select the timer you wish to set or change with ▲▼ and press **OK** to proceed.

The timer setup menu will now be displayed.

The following settings are available:

Timer Mode:	Choose between *Once* and *Daily* Timer or select *Off*, then Timer will execute the scheduled event.
Timer Service:	Select *Channel* to wake-up the receiver and switch to the selected channel. Select *Record* to start record from the selected event to an externally connected USB device.
Wakeup Channel:	Press **OK** to open the channel list and use ▲▼ to select the channel where the timer will wake up with.
Wakeup Date:	Use the **0~9** buttons to enter the date for the timed event.
On Time:	Use the **0~9** buttons to enter the start time.
Duration:	Use the **0~9** buttons to enter the timer duration.

When all settings are according to your wishes, use ▲▼ to move the highlight to *Save* and press **OK** to confirm. To quit the timer without saving your settings press ↺.

7.3.6 Parental Lock

This menu allows you to protect the installation menu and/or channels with a PIN code. You can also create a new PIN code. Use ▲▼ to select *Parental Lock* from the *System Setup* menu and press **OK** to proceed. You will be asked to enter your PIN code. **(DEFAULT PIN: 0000)**

Menu Lock:	Locks the installation menu. You can set the *Menu Lock* to *On* or *Off*.
Rating Lock:	Choose between: *Off* no lock, *Age 7*, *Age 12* and up to *18 years*. Channels with a parental rating above the chosen age will be protected with a PIN code (if available in your local broadcast.)
New Password:	Enter your new PIN code (4 digits) you'd like to use. (Make a note of it.)
Confirm Password:	Re-enter your new PIN code to confirm. If successfully is entered, massage will shown on screen. Press **OK** to end and save the change.

7.3.7 OSD Setting

This menu allows you to select long or shorter time for banner which appears after switching channels.

If you like can also select some transparency of menu, to see in background the TV programme.

OSD Timeout: Sets the time after which on screen banners and messages disappear. The range is *1~10* seconds.

OSD Transparency: To set the OSD transparency from *00 ~ 40%* with 10% steps.

7.3.8 Audio Description Setting

Audio Description Service: AD. Set this option to *On* if you like to have support of an audio track that describes the content on screen. Useful for the visual impaired.

Use AD as default: Set this option to *On* if you like to have AD support always if available audio track that describes the content on screen. Useful for the visual impaired.

Audio Description Volume offset:
Select the volume from the AD audio track.

7.3.9 Other

Here you will find some special options which you can use or change values if you like.

Options are Channel play type, Beeper, Auto Standby and Time.

Channel Play Type: Here you select what happens if you zap channels Up or Down. Set this option to *Free* then during zapping of channels you get only Free to Air channels. Select *Scrambled* to see only coded channels or *All* to see all channels during zapping of channels.

Beeper: If you switch to *On* will you hear in Beep tone in Manual scan menu. This helps you during adjusting your antenna on selected channel to hear that there are signal levels. If Beep stop then also signal levels are too low or 0%.

Auto Standby: Auto Standby is a new feature that helps you reducing power consumption. When set to between *1 to 4 Hours*, the receiver will switch to standby if it doesn't receive any commands of the remote control during this time. Set *Auto Standby* to *Off* to deactivate the automatic standby function. The default setting is *3 hours*.

7.4 Media Player

The *Media Player* menu consists of the following submenus: *Media Player*, *PVR Storage Information* and *Remove of USB safely*.

7.4.1 Playback of Multimedia

This function allows playback of different kind of files from the connected USB storage device.

In the *Media player* menu, select with numeric key 1 on remote between *PVR* and press **OK** to show the recordings you've made. Select *Video* and press **OK** to enter this menu to play all kind of video formats. Select *Music* to playback files as MP3 formats. Select *Image* to playback your favourite pictures in JPG or BMP format.* In this menu *Media player* and made lot playback functions by using the numeric keys **1~9** on your remote control. These functions are displayed on bottom of this menu. Functions change on every other selected item or option.

Use the buttons like described below in order to choose functions during the different playback modes.

General:

▶	Start of playback of multimedia file.
⏸	To pause the playback of multimedia file.
⏪ ⏩	Fast rewind/fast forward.
⏮ ⏭	Jump function in playback modes of multimedia files.
■	Stop playback.

Movies:

YELLOW *Audio:* Toggles between available audio tracks.

BLUE *Subtitle:* During the playback of a movie with external subtitles, press the **BLUE** button *Subtitle* to enter the subtitle menu. In this menu you can select size and colours of your preference.

Pictures:

◀ ▶	Rotated the picture on TV screen.
II, **PLAY**	Let pause and restart slide show.

7.4.2 Storage Device Setup

This option shows relevant information about the connected USB device. In this menu you can also format your USB storage device and safely remove.

Select *PVR Storage Information* in the *Media Player* menu and press **OK** to enter.

Now you will see all details as free and used space sizes and used file system.

Press the **BLUE** button *DVR Set* to open the selection of digital video recordings settings.

Choose between *Record* to activate only to make recordings.

The Time shift function will be disabled and **II** only function as real Pause.

Choose between *Time Shift* to activate only Time shift function.

The Record function will be disabled and ● will show message.

Choose between *Rec &Time Shift* to activate both functions.

Press the **YELLOW** button *Format USB Device* button to format the connected USB device.

Press ⮆ to leave this menu.

WARNING:	Formatting will permanently delete ALL data stored on the connected device. Please make a backup copy of all data you wish to keep before entering the *Format* menu. STRONG cannot be held responsible for loss of data from USB devices used with this receiver.

NOTE:	It is NOT possible to use USB storage devices "already" formatted in NTFS.

* STRONG cannot guarantee the playback of files although extensions are listed, as it depends on codec, data bit rate and resolution used (all MPEG codec formats are supported).

7.5 Tools

The *Tools* menu consists of the following submenus: *Information*, *Factory Settings*, *Upgrade By USB* and *Network*. Connect first the CAT5E (or better) cable into RJ-45 ETHERNET port of your receiver and the other end into your router.

Before you can use the Internet functions you need to check the setup of the Internet connection in the *Network Setting* menu. Use ▲▼ to highlight the menu of choice and press **OK** to enter. Press ↵ to quit.

7.5.1 Information

This submenu shows receiver specific information such as hardware and software version. Please have the *Information* screen on hand when you call our hotline. The person who answers your call might ask for the information given in this screen.

7.5.2 Factory Setting

Reset your receiver to the default factory settings. Sometimes useful if the unit suddenly behaves in an unexpected manner, e.g. after a power failure. Open menu and select *Factory Setting* in *Tools* menu and press **OK** to enter. Enter your password or the **DEFAULT password: 0000** and press **OK** to confirm. The receiver will reboot and start with the First Installation initial *Welcome* menu.

NOTE:	This option will delete all your channels, Favourite lists and settings.

7.5.3 Network IP Settings

This menu allows you to setup or check the Internet connection. The default selection is *DHCP* set to *On*. Normally the setup is done automatically by this. To test if the Internet connection works, select the item *Apply* and press **OK**. If successful, a pop-up message box will show up and you can start using it. If not successful, then check your cable or router. Alternatively set *DHCP* to *Off*. Then manually enter your IP, Gateway and DNS values by using the **0 ~ 9** buttons. Select after entering these values the item *Apply* and press **OK** to store and to check.

7.5.4 RSS Feed (Really Simple Syndication)

This menu allows you to choose an RSS news link to read the latest news from different sources.

Use ▲▼ to highlight a link of your choice and press **OK** to enter. Select an item you want to read. Press ↵ to quit. Also, you have option to edit an RSS feed of your own choice. Press the **YELLOW** button and press **OK** to enter to open the keyboard. Use ▲▼ ◀ ▶ to enter. If you need to use special symbols press **YELLOW** To save, select at the end *OK* and press **OK**.

7.5.5 Weather

This menu allows you to watch the weather in your region. Use ▲▼ to highlight the menu item *Weather* from the *Network* menu. If you have correct Internet connection, then the weather page will show up with details on screen.

Use ▲▼ to highlight a major city near you and press **OK** to select. You can enter a city manually. Select *Search* and press **OK** to open a keyboard. Use ▲▼ ◀ ▶ to enter. If you need to use special symbols, press **YELLOW**. Select at the end *OK* and press **OK**.

7.6 Upgrade by USB

This feature allows you to update the receiver software via the USB port. When a new software is available for your receiver, it can be downloaded from our website www.strong.tv.

Place the software file (unzipped) in the root directory of your USB storage device (memory stick etc.) and connect the device to the USB port of the receiver. First a message box will appear that a USB device is found.

Then go to the *Tools* menu and select the *Upgrade By USB* option. Select the correct file in the list. Use ▲▼ to highlight *Start* and press **OK** to start update. When ready, the unit will reboot automatically.

NOTE:	If, after a software update, the receiver should behave in an unexpected way, please perform a factory reset as well. See chapter **7.5.2.**.

WARNING:	After an update the receiver restarts automatically. During the upgrade process NEVER disconnect the receiver from the mains or switch off the power! Doing so might damage your receiver and will void warranty!

WARNING:	Old channel list and favourites will be overwritten.

8.0 TROUBLESHOOTING

There may be various reasons for abnormal operation of the receiver. Check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact your dealer or the local Service Hotline or send email to our Support via www.strong.tv. Do NOT try to open or disassemble the receiver. It may cause a dangerous situation and warranty will be void.

Problem	Possible cause	What to do
LED indicator and LED display are not switching on.	The mains lead is unplugged. Power adaptor not in mains or 12volt plug not correct inserted.	Check if adaptor in in main connection and it got power. Check 12Volt connector is in the receiver.
No signal found	The antenna is disconnected The antenna is damaged/misaligned Out of digital signal area Active antenna requires to switch ON the antenna power/external power	Check the lead of the antenna Check the antenna Check with your dealer Switch the antenna power of the receiver ON/connect external power
No picture or sound on TV or amplifier	HDMI or SCART is not selected on your TV or amplifier or the unit is set to higher resolution as the TV supports. TV/amplifier is not switched on	Switch to correct TV/amplifier input Select lower resolution on receiver Switch TV/amplifier on.

Problem	Possible cause	What to do
Scrambled channel message	Channel is scrambled	Select an alternative channel
No response to the remote control	The receiver is off The remote control is not aimed correctly The front panel is obstructed The batteries of the remote control are exhausted	Plug in and turn on the plug Aim the remote control at the front panel Avoid obstructions Replace the batteries of the remote control
Forgotten PIN code Forgotten channel lock code		Default PIN is 0000 Contact your local Service Hotline or send an email to our Support via www.strong.tv
After moving the receiver to another room/area you are no longer able to receive digital reception	The antenna signals are too weak The signal strength/quality might be less than before, if using an indoor antenna	Press 2 x INFO on the remote control to keep the signal bars on screen and adjust the antenna for (maximum) reception. Alternatively, do a rescan of the channels. When using an active antenna, check if the antenna power setting is On Try using an outdoor antenna
The receiver switches off automatically	The Auto Standby function is enabled	Disable Auto Standby. See section 7.3.9 for details.
Playback of video causes picture freeze/ macro blocks or similar distortion, especially on HD content	The read 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.

9.0 TECHNICAL SPECIFICATIONS

Tuner

Input connector:	IEC60169-2, female, 75 Ohm nominal
Input frequency range:	VHF: 174 ~ 230 MHz UHF: 474 ~ 790 MHz
Input signal level:	DVB-T2: -70 dBm ~ -25 dBm
Antenna power:	5 V DC, max. 50 mA, short cut protected

Demodulator

Demodulator:	DVB-T QPSK,16/64QAM (EN 300 744) DVB-T2 QPSK, 16/64/128/256 QAM (EN 302 755)
Transmission mode:	normal and extended
Guard intervals:	DVB-T = 1/32, 1/16, 1/8, 1/4 DVB-T2 = 1/128, 1/32, 1/16, 19/256, 1/8, 19/128, 1/4

Video Decoder

Video resolution:	480p, 576i, 576p, 720p, 1080i, 1080p 50/60Hz
Decoding & Video Out:	MPEG 2/4 H264/H265 (HEVC) - HD /PAL
Aspect Ratio:	4:3 and 16:9
Aspect Conversion:	Pan & Scan, Letterbox, Auto

Audio Decoder

Audio support:	Dolby Digital Plus*/AC3+/PCM MPEG MusiCam Layer II
Sampling rate:	32, 44.1, 48 KHz
Audio mode:	Stereo, Mono L/R

* Dolby Digital Plus and the double-D symbol are registered trademarks of Dolby Laboratories

Multimedia

Video playback:	MPEG, FLV, TS, MPEG-4, H.265/HEVC*
Audio playback:	MP3, FLAC, OGG*
Picture view:	BMP, JPG*

* STRONG cannot guarantee the playback of all files although extensions are listed, as it depends on codec, data bit rate and resolution used (all MPEG codec formats are supported).

Connectors

ANT IN - IEC Female
TV SCART (CVBS, Audio L/R)
JACK 3.5mm (Audio output L/R)
HDMI
Ethernet
Power adapter
USB 2.0 port: 5 V/500 mA (max.) supported

General Data

Power supply adaptor:	AC 100 – 240 V ~ 50/60 Hz
Input voltage:	DC 12 V, 1.0 A
Power consumption:	7 W (typ.), 12 W (max)
Power consumption in standby:	max. 1.0 W
Operating temperature:	0 °C ~ +40 °C
Storage temperature:	-10 °C ~ +50° C
Operating humidity range:	10~95%, RH, non-condensing
Size (WxDxH) in mm:	168 x 100 x 40
Weight:	0.25kg