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DIGITAL HD CABLE RECEIVER
SRT 3032

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TABLE OF CONTENTS

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1. 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.

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 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 consult a professional installer to set up your equipment. Otherwise, please follow the instructions below:
- Refer to the user manual of your TV.
- Make sure that the SCART/HDMI connections are well shielded and of good quality.

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

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Warning: Indicates warning information.

Note   Indicates any other additional important or helpful information.
MENU   Represents a button on the remote control or the receiver.
Move to   Represents a menu item within a window.

1.4 Accessories

- 1x installation instructions
- 1x remote control
- 2x batteries (AAA type)

NOTE: The batteries should not be recharged, disassembled, electrically short-circuited or be mixed or used with other types of batteries. If rechargeable accumulators instead of batteries are going to be used, we recommend using (e.g. NiMH) types with low self-discharge to ensure long time operation of 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, multimedia, functions of the receiver might not work properly.
- If you are going to use an external USB HDD (Hard Disk Drive), please consider that the power specifications may exceed the supported output of your receiver (5 V/500 mA). If so, please connect your USB HDD to an according external power adapter.
- STRONG cannot guarantee compatibility with all types of USB storage devices.
- 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.
- STRONG cannot guarantee the playback of all files although extensions are listed, as it depends on file size, codec, bit rate and resolution.
- Please ensure that either the USB device is already formatted to FAT/FAT32, or format the USB device via your receiver, **refer to chapter 7** for details.

2. YOUR RECEIVER

2.1 PIN code default: 0000

2.2 Front Panel
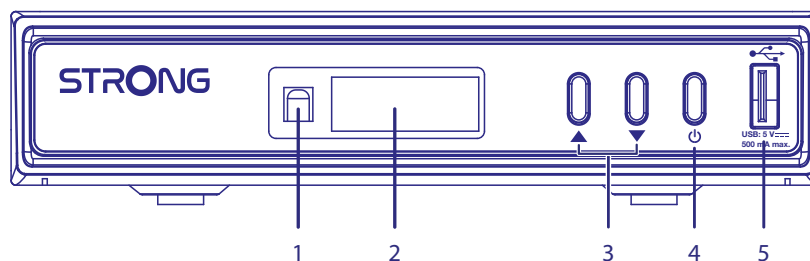
Fig. 1

1. **Remote control sensor(hidden):**   Receives the signal from the remote control
2. **LED display:**   Shows channel number in operation and time in Standby
3. **CH-/CH+:**   To change channels without using the remote control
4. **Power button:**   Switch the receiver to Standby or On.
5. **USB A port:**   For Media playback

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2.3 Rear Panel
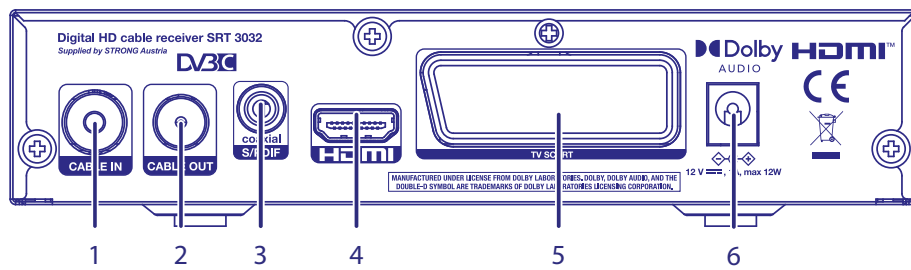
1. **CABLE IN**	Connect your receiver to the wall connector provided by the cable operator
2. **CABLE OUT**	Connect your receiver to another digital receiver or to a TV to keep using its internal (analogue) tuner (loop through function)
3. **S/PDIF coaxial**	To connect to a digital or home cinema audio amplifie
4. **HDMI**	To connect to the HDMI input of your TV using a good quality HDMI cable.
5. **TV SCART**	To connect to TV using a SCART cable.
6. **Power input**	Connect the supplied Power Supply unit to the input.

2.4 Remote Control Unit (RCU)

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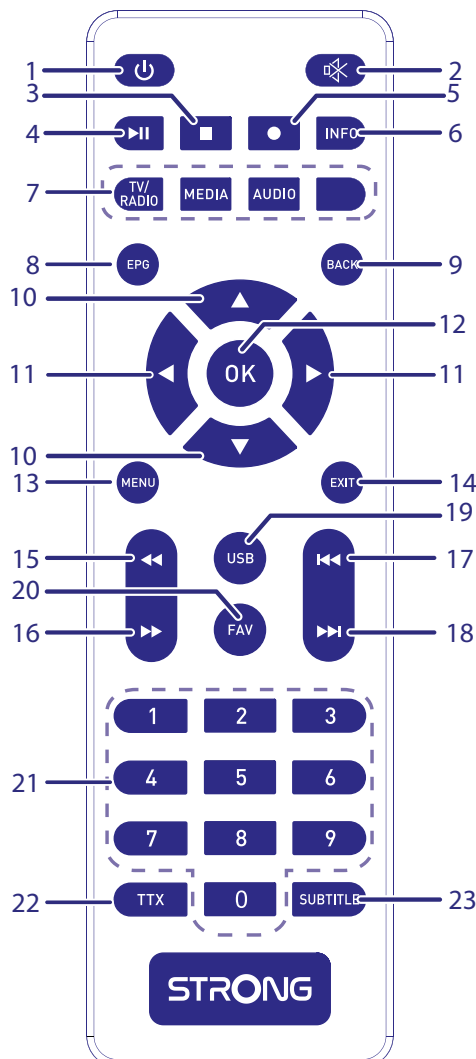
1. ⏻	Turns the receiver On/Standby
2. ⊘	Mutes audio output of the receiver
3. ▶❚❚	Play/Pause Starts/resumes the playback in Multimedia
4. ■	Stops playback of multimedia files
5. ●	No function
6. **INFO**	Press once to display program banner with channel number/name and current/coming program information. Press twice to display detailed technical information about the channel. Press again to get back to viewing mode
7. **COLOURED BUTTONS**	Flexible functions in OSD menu and Teletext. Some coloured buttons have a double function printed on them like:
	TV/Radio (Red): Toggles between TV and Radio mode
	Media (Green): Functions as a shortcut to the Media Centre menu
	Audio (Yellow): Displays the audio selection menu with selections for available languages and audio modes
	Delete (Blue): Delete function in Menu
8. **EPG**	Shortcut the Electronic Program Guide
9. **BACK**	To switch between the last viewed channels
10. ▲ ▼	Switches to the next/previous channel in viewing mode. Moving the highlight up/down in the menu.
11. ◀ ▶	Toggles between All and Favourites lists when the channel list is on screen.
12. **OK**	Viewing mode: Displays the channel list. Menu: Confirming actions in the menu
13. **MENU**	To open the main menu in viewing mode or to go one step back in the menu
14. **EXIT**	Cancellation of current process/one step back in menu/exit from main menu to viewing mode
15. ◀◀	Searches backwards during playback in Multimedia. Each pressing increases the speed (x2 – x32)
16. ▶▶	Searches forwards during playback in Multimedia. Each pressing increases the speed (x2 – x32)
17. **USB**	JShortcut to the menu in Multimedia
18. **FAV**	To access your favourite channels.
19. ❚◀◀	Jumps 10 places back in the program list and in Media Centre overview. Jumps to the previous file during playback in Media Centre
20. ▶▶❚	Jumps 10 places forwards in the program list and in Media Centre overview Jumps to the next file during playback in Media Centrel
21. **0-9**	Channel number and numeric value input
22. **TTX**	To open Teletext if available on the current channel
23. **SUBTITLE**	To select subtitles language out of available ones on the current channel

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2.5 Installing the batteries

Fig. 4

1.　　　　2.　　　　3.
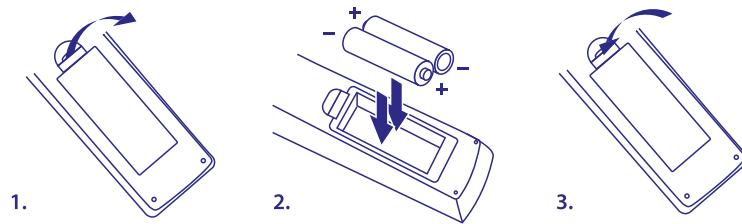
Remove the battery cover from the remote control by sliding it downwards and put 2x AAA size batteries inside the compartment. The diagram inside the battery compartment shows the correct way to install the batteries.
1. Open the cover
2. Install batteries
3. Close the cover

NOTE: The batteries should not be recharged, disassembled, electrically short-circuited, be mixed or used with other types of batteries.

2.6 Using the remote control

Fig. 5

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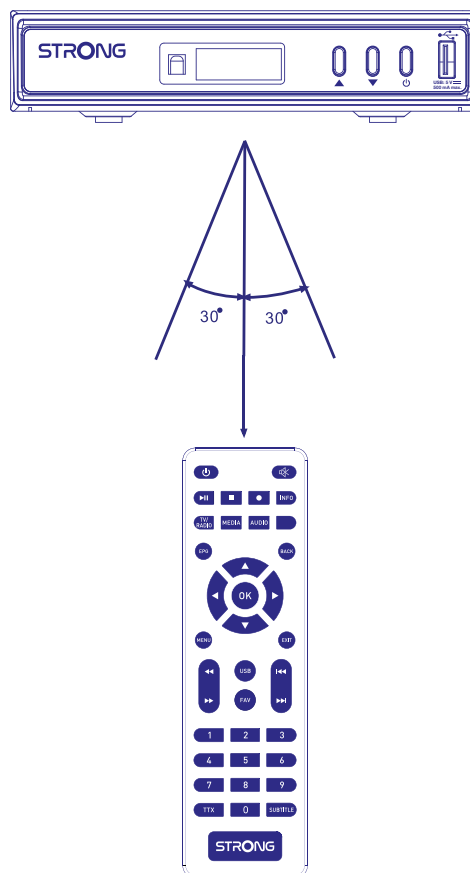
To use the remote control (RCU), point it towards the front of the receiver. The remote control has a range of up to 7 metres from the receiver, if properly aligned towards the IR eye on the front panel. The remote control will not operate if its path is blocked.

NOT: Sunlight or other very bright light might decrease the sensitivity of the remote control.

3. CONNECTION

Fig. 6
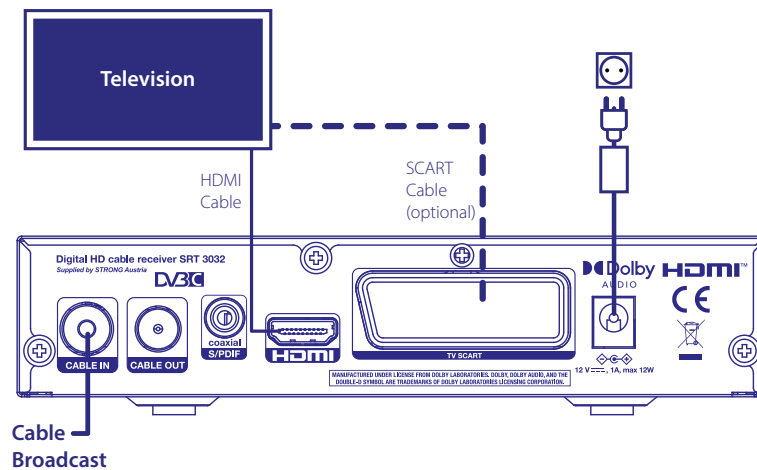
3.1 Basic connection using an HDMI cable

   a. Connect the wall outlet of your cable signal provider to the CABLE IN connector of your receiver using a good quality coax cable and suitable 'IEC' plugs.
   b. Connect one end of a good quality HDMI cable to the HDMI output on your receiver and the other end to an HDMI input of your TV.
   c. Connect the supplied power adapter to the receiver at the power supply input. Then plug the power adapter to a suitable wall outlet.

3.2 Alternatively: Basic connection using a Scart cable

Fig. 6

   a. Connect the wall outlet of your cable signal provider to the CABLE IN connector of your receiver using a good quality coax cable and suitable 'IEC' plugs.
   b. Connect one end of a good quality Scart cable to the TV SCART connector on your receiver and the other end to the SCART input of your TV.
   c. Connect the supplied power adapter to the receiver at the power supply input. Then plug the power adapter to a suitable wall outlet.

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3.3 Connecting to digital audio amplifier

Fig. 7
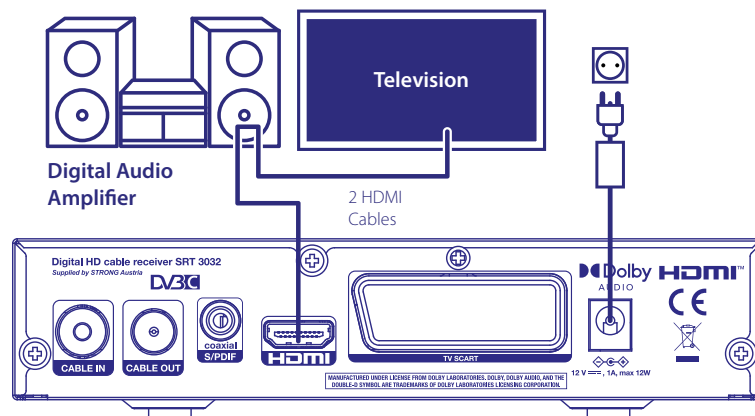
Connect one end of a good quality HDMI cable to the HDMI output of your receiver and the other end to an HDMI input of your home theatre or digital amplifier. Connect a second HDMI cable to the output of the home theatre or digital amplifier to an HDMI input of your TV. Be sure to select the appropriate HDMI input on the home theatre or digital amplifier to loop the video through to the TV.

3.4 Loop through connector.

If needed, you can loop trough the incoming signal from your cable provider to another device, like a TV or another cable receiver. They can use the same signal independently. Note: This is not a modulator output.

4. FIRST TIME INSTALLATION

After all connections have been made properly, switch on your TV and make sure the receiver is connected to the main power. If you are using the receiver for the first time or restored to factory default, the *Installation guide* will appear on your TV screen. Use◄ ►to select the *OSD Language* of your preference. Set the other options as are appropriate for your situation. *Country* will follow *OSD Language* but can be changed in the main menu. *FTA Only FTA* means only Free-to-Air channels will be stored after a search has been done. *All* would store all channels. This receiver can only decode FTA channels. Selecting *Channel Search* and press **OK** will start off the search for programs. After the automatic search is finished the receiver will show the first channel in the list.

NOTE: Installers or advanced users may press **MENU** while in the {Installation guide} and perform (search) options from the main menu immediately.

NOTE: If no channels were found during the automatic channel scan, the receiver will return to **Installation guide** menu. Check your cabling and connection to the cable network. If confirmed use the advanced search options from the main menu by pressing **MENU** while in the **Installation guide**. See chapter **7** for detailed explanations.

5. QUICK GUIDE FOR USING YOUR 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 HD receiver.
To turn your receiver ON or to Standby, press ⏻ on the remote control. Choose channels with ▲▼.
Alternatively, you can also enter 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 ◄►.

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6. OPERATION

In viewing mode, several features are available to make watching TV a true pleasure. This paragraph describes these features in short. Please also read chapter **7** to get more familiar with the menu of your new receiver with an in-depth explanation of each menu item.

6.1 Changing channels

There are different ways to change channels with your new receiver.
- Via direct access
- Via the channel list
- Via the ▲▼ buttons
- Via the **BACK** button

6.1.1 Direct access

To gain direct access to a certain channel, simply enter its number with the **0~9** keys 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, after entering the number, press **OK** to speed up.

6.1.2 Channel list

Press **OK** in viewing mode to display the *Channel List*. Use ▲▼ to highlight your channel of choice and press **OK** once to select the highlighted channel. The channel list is equipped with a {Find} function to make it easier to find channels. While in the channel list, press **GREEN** and an alphabet banner will be displayed. Use ▲▼ ◄► to select the first letter (or letters) of your channel of choice and select **OK** to confirm or just press **EXIT**. All channels beginning with the chosen letter(s) will now be displayed. Select the channel in the filtered list. While in channel list, use **RED** to toggle between TV and Radio list.

6.1.3 Using the ▲▼ buttons

▲ will switch to a higher channel.
▼ will switch a lower channel.

6.1.4 Using the BACK button

Use the **BACK** button for switching between the previously viewed channel.

6.2 Info Banner

At any time during viewing mode you can press the **INFO** button to get information about the current channel as well as the current and following programme*. Press **INFO** twice to view technical details about reception of the current channel. Press **INFO** again or **EXIT** to close the information. You can change the on-screen duration of the info banner in the **OSD Setting** menu.
*Programme information is displayed when available. Availability depends on broadcast.

6.3 Selection of audio language

Some channels support a choice of different audio formats and/or languages. To select another audio stream, press **AUDIO** in viewing mode. A list with available audio streams will now be displayed. Use ▲▼ to select a stream and confirm with **OK**. With the ◄► buttons you can choose between *Mono*, Left, Right or *Stereo audio*. Default is *Stereo*.

6.4 Teletext

Your receiver includes a fully featured Teletext. To access Teletext, press the **TXT** button in viewing mode and use the **0~9** or ▲▼ buttons to select the number of the page you wish to see. Subpages (if loaded and available) can be selected with the ◄► buttons. Keeping subpages on *Auto* will let the subpages rotate

automatically. The coloured buttons of the remote control allows you to jump to suggested pages directly, as indicated on the bottom of the teletext screen. Press **EXIT** to go back to viewing mode.

6.5 Subtitles

Some programmes support a choice of different types of subtitles. Press the **SUBTITLE** or **SUB** button in viewing mode to display a list of available subtitles. Use ▲▼ to select a subtitle type and confirm with **OK**.

6.6 EPG (Electronic Programme Guide)

In the Program Menu, select Program Guide or, in normal viewing mode, press the **EPG** button to enter to the EPG screen. Please refer to chapter **7** for details.

NOTE: To see all EPG information, be sure you are in the {All} channels list.

6.7 Favourite channels

Use the **FAV** button to access your favourite channels and use ▲▼ to change between available favourite groups. Please refer to chapter **7** for details on how to create favourite lists first.

7. MAIN MENU

7.1 Program menu

Press **MENU** and select *Program* by using the ◄► buttons. Press **OK** or the ▼ button to enter the *Program* submenus. Press **OK** or the ► button to edit programme settings. Press **EXIT** to exit the menu.

7.1.1 Channel Edit

To edit your program preferences (delete, move, skip, lock, favourite or rename), please go to the **Channel Edit** menu. Use ▲▼ ◄► to highlight a channel you wish to edit.

NOTE: Enter to the **Channel Edit** menu from TV viewing mode to edit the TV list, enter from the Radio list to edit Radio channels.

7.1.2 Delete a TV or radio programme

Press the **1** button for Delete function. Select the program you want to delete and press **OK**. A cross symbol will appear. Press **EXIT** then **OK** at the confirmation popup screen or **EXIT** to cancel.
It is possible to select and delete more than one program in one go.
Use the **RED** button to select all channels at once for deletion, press **EXIT** and Confirm with **OK**.

NOTE: Deleted channels can only retrieve if you perform a channel search.

7.1.3 Move a TV or radio programme

NOTE: To make your own sequence of channels, switch LCN (Logical Channel Numbering) Off in the Program menu. Set to OFF, the channel order will be renumbered.

Select the program you want to move, then press the **2** button. A move symbol will appear.
Press ▲▼ to move the program to its new location.
Press **OK** to confirm the new position.
Select other channels to move if needed.
Press **EXIT** then **OK** at the confirmation popup screen or **EXIT** to cancel.
Use the **GREEN** {Select Group Channels} button to select more than one channel at a time, then move them as a group to a new position and press **OK** to insert them. Press **EXIT** then **OK** at the confirmation popup screen or **EXIT** to cancel.

7.1.4 Skip TV or radio programme

Select the program you want to skip when zapping in the program list. Press the **3** button.
The programme will be marked to skip. The receiver will skip this program while zapping between programs in normal viewing mode.
Repeat the previous step to skip more programs or select more than one before confirming.
Press **EXIT** then **OK** at the confirmation popup screen or **EXIT** to cancel.

7.1.5 Locking programmes

You can lock selected programs to restrict view.
Activate the Lock function by pressing **4** and enter your PIN code.
Select the program you want to lock, then press the **OK** button. The program is now marked as locked.
Repeat the previous step to select more programs or select more than one before confirming.
Press **EXIT** then **OK** at the confirmation popup screen or **EXIT** to cancel.
To view the locked program, you need to enter either the default password '0000' or your last set password.
We recommend changing of the default password to one of your preferences. Please refer to chapter **7 System** *Lock Control* for more details.

7.1.6 Set favourite programme

Your receiver allows you to store channels in up to 32 favourite lists. Because of the large number of channels available on digital cable nowadays, this might be a useful function. The first 8 are named as Categories. The others can be renamed to whatever name you like, using a popup keyboard on screen. Press the **Green** button to activate the keyboard.
Press the **5** button and then highlight the preferred program, and press **OK**.
A *Fav* window will pop up on screen. The following groups are available: *Movies Music Cartoons, News, Sports, Education Adult Leisure* and several unnamed *FAV* groups. Please select one (or more) of them with **OK**. A check mark will appear, and the programme is marked as a favourite. Press **EXIT** to return to the channel list for further selection. A fav channel is marked with a heart symbol.
Repeat the previous step to select more favourite programmes.
To confirm and exit the menu, press **EXIT**.

NOTE: You can put a channel in more than one Favourite group.

7.1.7 Disable favourite TV or radio programme

Repeat step 1 described above and select *Disable* in the *Favourite Type* window.

7.1.8 View favourite programme

In normal viewing mode (no menu mode) press the **FAV** button to display a list of favourite programmes. In the favourite list, use ▲▼ to switch between available favourite lists. Select with **OK**.
Select your favourite programme by ▲▼ and press **OK** to switch to it.
Now in viewing mode you can select only channels from the chosen favourite group by pressing ▲▼.
Alternatively, press **OK** in viewing mode and then use ◄► to toggle between the *All* list and the created favourite lists. Select your favourite programme by ▲▼ and press **OK** to switch to it.

7.1.9 Rename

If you want to rename a channel, select the channel in the main **7.1.1 Channel Edit** menu and use **GREEN** bring up a virtual keyboard on screen. Use ▲▼ ◄► to select backspace and press **OK** to remove characters and use the numeric or alphabetical pad and **OK** to add or change the characters. End with selecting **OK** and press **OK**.

7.1.10 Program Guide (EPG, Electronic Program Guide)

In the Program Menu, select Program Guide or, in normal viewing mode, press the **EPG** button to enter to the EPG screen.

> NOTE: To see all EPG information, be sure you are in the *All* channels list.

The EPG screen consists of four sections. The actual time and date are shown in the top line of the screen, time and date of the selected program, is shown in the left-hand top section of the screen. The right-hand top of the screen has a small size picture of the running program.
In the left-hand lower section of the EPG screen, you can select the channels, the right-hand lower section of the screen the program information for the selected channel is shown. Use ◄► to toggle between the two screens. Use ▲▼ to select an item in either screen.
The following options can be chosen:
RED : (while in the right-hand screen): Book the event for wake-up in the Timer Edit Menu. A booked program will be marked with a red dot.
GREEN: Select the previous day.
YELLOW: Select the next day.

> NOTE: Availability of the EPG information is depended of the broadcaster.

Maximum is a total of 7 days of EPG information.
See chapter **7.4.1 Timer Setting** in the Time menu for detailed information about Timer bookings.

7.1.11 Sort

Alternatively, to what is described in the **7.1.1 Channel Edit** menu, a faster way to sort channels is provided here.
By LCN Logical Channel Numbering, Sort the channels in the order dictated by the broadcaster.
By ONID Sort the channels by broadcaster, if there should be more than one provider using the same cable network.
By Transponder Sort the channels in Transponder frequency order (Low-High)
By Service ID Sort the channels in the Service Identification Number order. Every program has also a Service ID number, provided by the broadcaster. This can be different from the LCN number.
LCN Logical Channel Numbering, Sort the channels in the order dictated by the broadcaster. When moving channels in the **7.1.1 Channel Edit** menu, set this to Off.
Volume Scope Useful when broadcasters do not adjust the audio levels in a network. Options are: *Global*, all channels will sound about the same level, independent of the broadcaster's level, or *Channel*, audio volume will be broadcasters' level for each channel.

7.2 Picture menu

Press **MENU**, then select *Picture*. The menu provides options to adjust the video settings. Press ▲▼ to select an option and ◄► to adjust the setting. Press **EXIT** several times to exit the menu.

7.2.1 Aspect Ratio

You can set the display format to accommodate your screen monitor.
Auto Screen format will be automatically adapted with signal information by the broadcaster. Default setting. Usually the best option. Below options are to force an alternative conversion:
16:9 Widescreen For 16:9 TV screens. All programs will fill the full screen. Content formatted in 4:3 will be stretched.
16:9 Pillarbox For 16:9 TV screens. The unit will display all content in its original aspect ratio. Programs formatted in 4:3 will be presented with black bars on the left and right.
16:9 Pan Scan For 16:9 TV screens. To accommodate the screen when content is neither 16:9 nor 4:3
4:3 Letterbox For 4:3 TV screens on Scart output. The unit will display all content in its original aspect ratio. Programs formatted in 16:9 will be presented with black bars on the top and bottom.

4:3 Pan Scan   For 4:3 TV screens on Scart output. 16:9 content will have the extreme left and right portions cut off and presented full screen.
4:3 Full   For 4:3 TV screens on Scart output. Will give no bars and no cut-off parts from the content, but will distort the linearity of the content.

7.2.2 Resolution

If the video does not appear correctly, change the setting. These settings match the most common settings for HDMI.

7.2.3 TV Format

Set the standard corresponding to your TV set. Available options are: *PAL* and *NTSC*.
The European TV format is PAL 50Hz, NTSC 60Hz is widely used in North America.

7.2.4 OSD Settings

Transparency: The transparency of the On Screen Display, including the menu, the program banners, lists, and the pop-up screens etc. can be set here. Default is 0% transparency. The next settings can be altered if needed: {Brightness}, {Chroma} and {Contrast}, It would be the same as changing these settings on your TV. Default is 50%.
OSD Timeout: Change the time, in seconds, the On Screen Display is shown, except for the menu. Default is 5 seconds.

7.2.5 Panel Settings

The *LED Brightness* of the panel display can be adapted in three stages, *Low, Middle* and *Full*.
S*tandby Show Time*:   Select *On* to show the time in the LED display in Standby mode, or *Off* to have just *Off* displayed during standby.

7.3 Search menu

In this menu it is possible to execute several search methods if the automatic search from the First Installation might (partially) fail.
From the First Installation page you also may press Exit before scanning, the Main menu will show, then go to the *Search* menu and select a preferred search method provided. While scanning, you may always press **EXIT** to stop
the selected scanning process.

7.3.1 FTA Only

FTA means Free-to-Air, channels that can freely be watched without the need of a subscription. For this receiver it is in fact Free-to-Cable. A subscription to a Cable Network Operator is necessary in this case. When selected *FTA*, only FTA channels will be stored, when selected {All}, then also scrambled channels will be stored, but those can not be watched.

7.3.2 Auto Search

This is the same search method that was executed from the First Installation page.
When selecting *Auto Search*, a pop-up screen will be shown to confirm deleting/overwriting the (maybe) already stored channels. Select **OK** to start to search, select *Cancel* to cancel.
Channels scan will scan VHF and UHF cable bands frequencies in the standard frequency band plan. When available, channels found, will be put in a predetermined order, called logical channels numbering (LCN). The tuning step is always 8MHz. *Symbolrate* and *QAM* modulation will be automatically detected. Select *Start* and press **OK** to proceed.

7.3.3 Manual Search

In this advanced search method option, you may search for one or more multiplex containing channels, if you know the transmission parameters, such as *Frequency* and/or *NetworkID*. Sometimes these parameters are provided on your Cable Operators website, look for Base or Home frequency or similar. *Symbolrate* and *QAM* modulation will be automatically detected.

Keeping the *NetworkID* number to 00000, will just search one multiplex, but entering a valid number, it will search all muxes and channels corresponding to that number. The tuning step is always 8MHz.
Select *Start* and press **OK** to proceed. When available, channels will also be put in a predetermined order, called logical channels numbering (LCN).

7.3.4 Full Search

In this advanced search method you may enter the *Start* and *End frequency* of the Cable Network in use. The tuning step is always 8MHz. *Symbolrate* and *QAM* modulation will automatically be detected. Select *Start* and press **OK** to proceed. When available, channels will also be put in a predetermined order, called logical channels numbering (LCN).

7.4 Time menu

In this menu, general options concerning time are provided.

7.4.1 Timer Setting

In this menu item you can setup the schedule for automatic switching to the defined channels at a particular date/time. To make a manual entry, or for editing a scheduled timer, booked by EPG, use the following options:

Delete: Press the **RED** button to delete one, selected booking from the list. Press **OK** to confirm deleting or **EXIT** to cancel.
Add: Press **GREEN** to add a new (manual) booking. In the appearing screen select:
Mode   *Play* to wake up the box as a reminder to view. There is no end time associated with this
Type   *Once* for a one time event. *Daily* for every day, same event, or a day *mon-sun*, meaning every week the same selected day, same event.
Start date Current date is already filled in, but can be changed with the ◄► and **numeric buttons**.
Start time Current time is already filled in, but can be changed with the ◄► and **numeric buttons**.
Channel   Press **OK** and from the Pop-up channel list select the wanted channel with ▲▼ and **OK**. When you have entered all parameters, press **EXIT** to confirm and store your booking.
Edit: Press the **YELLOW** button to edit an existing booking.
              Use the same procedure as already described above.
Delete All Press the **BLUE** button to delete all existing bookings in one go. Confirm with **OK** or cancel with **EXIT**.

NOTE: You can set timers for programmes directly from the EPG. Please refer to chapter **6** for more details

7.4.2 Region and Time

In this menu item you can setup the Country and Local time according to your location. Initially, these settings follow the selection made when setting up the unit for the first time, and normally, time will be derived from the broadcast, but can be changed if needed.
Use ▲▼◄► to adjust the settings.
Country: Select the *Country* in which you use the receiver.
Time Offset: *Auto* will use the time offset from GMT provided by the broadcaster. *Manual* will give you the possibility to select a different Offset. *Manual* will open two more options.
Region: Some countries have a different time offset within their (overseas) territories.
Time Zone: Select the time zone according to your location.
Summer Time: Usually, {Summer Time} is automatically adapted by the broadcaster, if not, then you select Off or *On* (+ 1 Hour) to compensate.
Current Time   While making adjustments above, check if the current time set, is the correct time in your Country/Region.

7.4.3 AutoStandby

This feature is implemented to save power. The receiver will turn to Standby automatically if no command from the remote or the front panel buttons is received for the selected time period. Default is *3 hours*. It can also be turned *Off* changed to *1 hour* or *2 hours*.

NOTE: If there are timers running, the auto standby function will be disabled for the booked time.

7.5 Option menu

The Option menu provides the possibility to make changes in the language set-up. Initially, these settings follow the selection made when setting up the unit for the first time.

OSD Language	The language in which all On Screen Displays are presented.
Subtitle Language	If there should be more than one subtitle language being broadcast, select the one to your liking.
HOH Subtitles	If Hard of Hearing subtitles should be broadcast, select *On* to show them on screen in the running program. Default is *Off*.
TTX Language	Select the correct Language for your country. It will initiate the correct Language Code Standard for your country.
First Audio Language	If more than one language audio track is being broadcast, select the one that would be your first choice.
Second Audio Language	If more than one language audio track is being broadcast, select the one that would be your second choice.
Digital Audio	Default is *Auto* for automatic selection. However, it is possibly that certain TVs, Monitors and Digital Audio Amplifiers can not provide the correct audio decoding for the automatic selected format. Select *PCM* to downmix for example Dolby Audio to Stereo. Select *Bypass* to send digital audio unchanged to a TV, Monitor or Digital Audio Amplifiers if you are certain it can do the correct decoding.
Audio Description	Audio Description can be offered by a broadcaster as a service to Visual Impaired people. The video content will be described by a narrator. When set to {On}, if the AD track is available, will be mixed automatically with the original sound.
AD Volume Offset	The volume of the AD track can be adapted to make a better mix with the original sound.

7.6 System menu

The System menu provides the possibility to make changes in the overall technical set-up of the receiver.

System Information	This submenu shows receiver specific information such as hardware and software version. Please have the *System Information* screen on hand when you call our hotline. The person who answers your call might ask for the information given in this screen.
Parental Guidance	Programmes with a Parental Guidance Rating can be blocked from viewing and opened only with a Password. To setup this feature, enter your password first. Then select an age, above which the channel must be protected. Options are: *Off, Age 7 to 18*. Default is *Age 18*. Default password is 0000.
Lock Control	To enter this sub menu item you must always enter the (default 0000) active password. The *Lock Control* has to be set before it is possible to block access to other menu items and certain channels. It is also possible to change the default password in to a more secure one.
Menu Lock	Set to *On* to if you want to prevent entering to menu items which could substantially change the setup of the unit, for example the *Search* or *Program* menu.
Channel Lock	Select {*On*} to activate the lock set on channels in the **Channel Edit** menu. All locked channels will need to have the password entered. Select *Off* to override the lock set on channels in the **Channel Edit** menu. All locked channels will freely be accessible.
Change Password	Press **OK** to enter the sub menu. To change the password: Select *Old Password* and enter either the default password, or the previously changed password. At *New Password* enter a new thought up password. Re-enter the same new

| | password at *Confirm Password*. A pop up window will show if change is successfully set or if the 2nd entry was invalid, then try again. |
| **Factory Reset** | If the unit should suddenly behave irregular, after for example a software update or mains power failure, you can try to solve the problem with a factory reset. Also, if you have made changes in the settings, and you have forgotten exactly which setting was changed, you can restore to factory defaults and start from there. To use this option you must always enter the active password. (default 0000). At the confirmation popup press **OK**, the receiver will reboot and start with the *Installation Guide* menu. |

WARNING: A factory reset will permanently delete all your personal settings, timers and stored channels. Please consider this before you perform a factory reset.

WARNING: NEVER power off the receiver or remove the USB device during the Factory Reset process. Doing so might cause irreparable damage to your receiver and will void your warranty.

7.6.1 Software Upgrade

If a software update for your receiver model should become available it will be published on our official website, there download the required update from the support page. Unzip the file on your computer and copy the software file to the root folder of your USB storage device. This may be a USB Pen drive.

NOTE: At *Upgrade Type* is also the *Dump* function available. Write settings and channel lists to the USB device before upgrading software. See below at *Dump*.

For software upgrade at the receiver:
Connect your USB device containing the new software to the USB port of the unit.
Go to the *Software Upgrade* menu.
There, press **OK** to enter to the *USB Upgrade* sub menu.

At *Upgrade Type* select *USB Upgrade* (default)
At *Section* select *All* (default)
At *File Path* press **OK**.

A popup screen will show, if applicable, select the partition (USB (C:) is default) where the file is stored. The root folder is now shown in the popup, and then select the correct update file. Then press **OK**, the file will be selected for upgrade. Go to {*Start*} and press **OK**. A progress banner will now be displayed, running up to full Yellow. The receiver will reboot and start with the *Installation Guide* menu. Then re-install our receiver.

WARNING: Do not download and upgrade with software that was not published on our official website.

WARNING: NEVER power off the receiver or remove the USB device during the USB Upgrade process. Doing so might cause irreparable damage to your receiver and will void your warranty.

Dump: Other options in the **Software Upgrade** menu at *Upgrade Type* is the *Dump* function.
With this function you can back-up the settings and channel list(s) you have created before, to quickly re-install those after for example a software upgrade.
At *Upgrade Type* select *Dump*.
At *File Path* press **OK**.
Select the root folder of our USB device.
Go to *Start* and press **OK**. A progress banner will now be displayed, running up to full Yellow. A file with the name dump_all.bin will be created on your USB device. Press **OK** and **EXIT** to continue.

NOTE: If needed, you may this rename this file on a PC, for example adding date and time, to distinguish for future use.

Update Type User: With this function you can re-install a previously made back-up file with *Dump*. The settings and channel list(s) you have created before, can quickly be re-installed after for example a software upgrade.
At *Upgrade Type* select *USB Update*.
At *Section* select *User*
At *File Path* press **OK.**

A popup screen will show, if applicable, select the partition (USB (C:) is default) where the file is stored. The root folder is now shown in the popup, and then select the correct update file. (Default name dump_all.bin). Then press **OK**, the file will be selected for upgrade. Go to *Start* and press **OK**. A progress banner will now be displayed, running up to full Yellow. The receiver will reboot and come back up with the first channel in the list.

NOTE: Other functions in the **Software Upgrade** menu are for factory use only.

7.6.2 Power On Control

Select how the unit should react after inserting the main power.
Power On will let the unit come up in Running mode.
Standby will let the unit come up in Standby mode.
Last state will let the unit come up in the mode in which power was removed, either Running mode or Standby mode.

7.7 USB

The USB menu contains the Media Centre, simple media player feature. The USB menu can be reached from viewing mode with the **GREEN** *Media*} button on the RCU as shortcut.

Media Centre	This is a simple media player feature, which can show or play a *File*, *Video, Music* or *Picture* file. Only supported file types can be played. Select the partition on your USB device where the file is and select a file to be played. During play, you can press [**OK**] and bring up a progress banner, and then use the ▲▼◄► buttons to select special functions in the screen. Also, the buttons on the RCU perform functions such as pause and play ▶ ❙❙, ■, previous file ◄◄ and ▶▶ file. For video files extra options come available: fast reverse ▶▶❙ and fast forward ▶▶❙. With the ❙◄◄ and ▶▶❙ buttons you can rewind or forward playback in x2, x4, x8, x16 and x32 speed when pressed repeatedly. While playing a video file, use **OK**, then ◄► (short or long press) to jump quickly through the video file. Press **OK** to continue watching on the new point in the video.
File	An overview of all content from you connected USB device. All supported file types can be played from here, whether they are *Video, Music* or{*Picture*. Select *File* and press **OK.**
Video	Select **Video** if you are specifically looking for video files stored on the USB device. Press **SUBTITLE** or **SUB** during video play mode to see options about subtitles, if available. These can either be *Inside* which are embedded in the video or *Outside* with accompanied subtitles files in the .srt format. These must have exactly the same name as the video file and be located in the same folder as the video file.
Music	Select **Music** if you are specifically looking for audio files stored on the USB device.
Picture	Select **Picture** if you are specifically looking for picture files stored on the USB device.

A.1 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. 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 not lit	Mains lead unplugged	Check mains plug
No signal found	Cable input is disconnected Orange signal LED is Off	Check cable lead Check with dealer
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.
Scrambled channel message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver off Remote not aimed correctly Front panel obstructed Remote batteries exhausted	Plug in and turn on plug Aim remote at front panel Check for obstructions Replace remote batteries
Forgotten PIN code Forgotten channel lock code		Default PIN is 0000 Contact local Service Hotline or send email to our Support via www.strong.tv
Signals are interrupted or blocking is visible on screen	Cable signals are too weak or have reflections/interference.	Press the INFO button on remote 2x to call up signal bars and check your cable connections and leads. Using (many) splitters in the signal lead might cause reflections/interference in the digital signal and distort reception. When in doubt, check with your dealer.
The receiver switches off automatically.	Auto Standby function enabled.	Disable auto standby. See chapter 7.4.3 for details.
Playback of video is causing picture freeze/ macro blocks or similar distortion, especially on HD content.	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.

A.2 TECHNICAL SPECIFICATIONS

Tuner

Tuner: Rafael R850
Input Impedance: 75 Ohm
Minimum Input Level: ≤ 40 dBuv (64 QAM)
                                                      ≤ 44 dBuv (256 QAM)
Receiving Channel Range: 47 MHz ~ 862 MHz
Modulation: 16, 64, 128, 256 QAM
Symbol rate: 3.6 ~ 6.952 MS/s

STRONG

Video Decoder

Video decode:	MPEG-2 MP@HL, AVC/H264, D25, HP@L4.1 MPEG4 A SP Supported, MPEG-4SP, Profile, AVS/AVS+, VC1 SP@ML, MP@HL, AP@L0~3
Video resolution:	1920 x1080
Decoding & Video Out:	PAL/NTSC
Aspect ratio:	4:3, 16:9

Audio Decoder

Audio decoder:	MPEG-1 LAYER 1&2, Dolby Digital, Dolby Digital Plus
Audio support:	AC3+/PCM/Dolby® Digital Plus*, MP1, MP2, HE-AAC, AAC-LC

* Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.

Multimedia

Video playback:	MPEG encoded (mpg), VOB, TS, M2TS, MPEG-4*
Audio playback:	MP3 and MP3VBR*
Picture view:	BMP and JPEG (jpg)*

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

System

Demodulation:	DVB-C
Main Processor:	GX6701 (System on Chip)
Demodulator:	in SoC
Memory:	64 MB (SoC)
FLASH size:	8 MB

Connectors

Cable IN - IEC Female
Cable OUT – IEC Male (Loop through)
S/PDIF
HDMI
TV SCART
USB 2.0 port : DC 5 V, 500 mA (max.) supported
Net adapter (12V/1A)

General Data

Supply voltage:	100 - 240 V AC (external SMPS), 50/60 Hz
Power consumption:	4 W (typ.) 12 W (max.)
Power consumption in standby:	max. 1.0 W
Operating temperature:	0 ~ +40° C
Storage temperature:	-10 ~ +70° C
Operating humidity range:	10 ~ 95%, RH, Non-condensing
Size (WxDxH) in mm:	168 x 95 x 40
Weight in kg:	0.225