

STRONG

Digitaler High Definition
Satelliten Receiver

SRT 7510



User Manual
Bedienungsanleitung



USB
Multimedia



Programm-
information



Untertitel-
Funktion



Teletext-
Funktion



Favoriten-
listen

DVB-S2 **HDMI** **DOLBY AUDIO™**



ORF D
DIGITAL DIREKT

IHR SCHLÜSSEL ZUM
ORF-SAT-EMPFANG

ORF HD OHNE LAUFENDE ZUSATZKOSTEN

ORFeins HD **ORF 2 HD** **ORF 3 HD** **ORF SPORT + HD**

digital.ORF.at



**SIMPLI
MEHR HD!**

www.strong.tv

Fig. 1

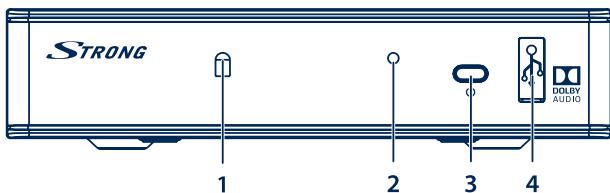


Fig. 2

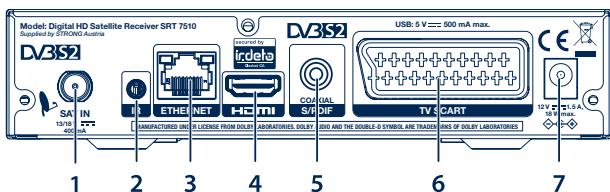


Fig. 3

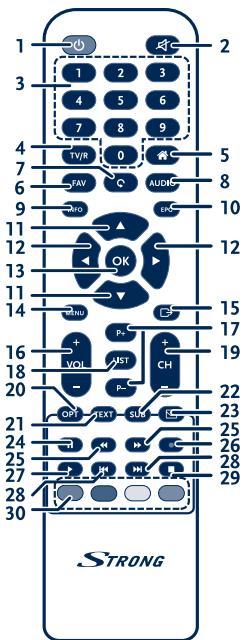


Fig. 4

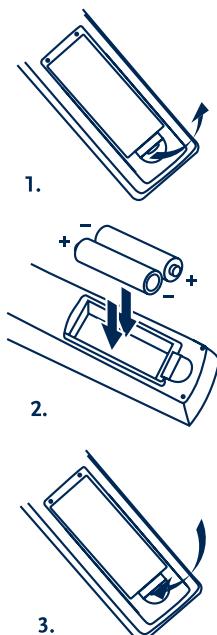


Fig. 5

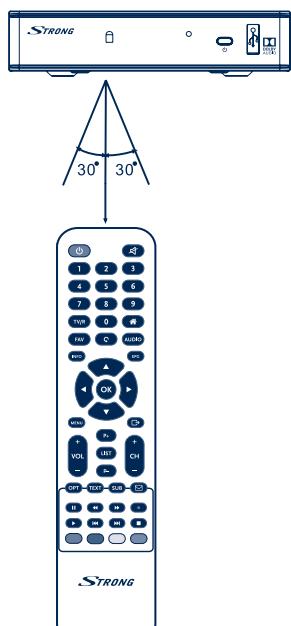


Fig. 6

Satelliten Schüssel

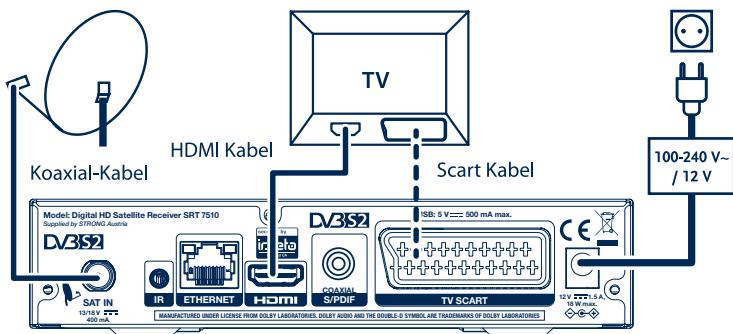


Fig. 7

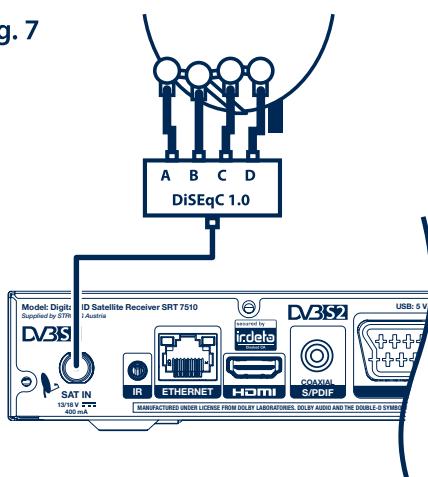


Fig. 8

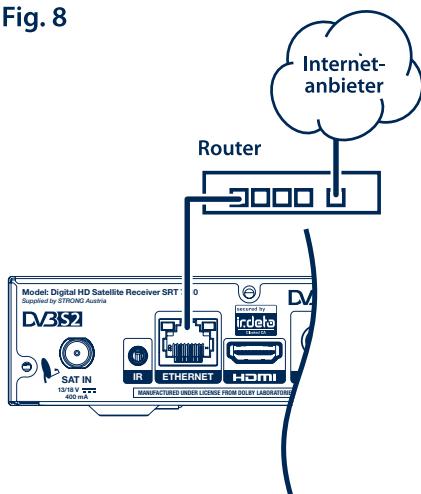
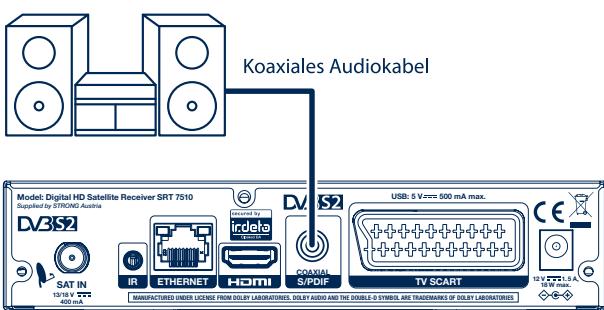


Fig. 9



HOTLINE

AT

 support_at@strong.tv

 0820 400 150
(€ 0,12/Min. österr. Festnetz)

Geliefert von STRONG Austria
Vertreten durch
STRONG Ges.m.b.H.
Franz-Josefs-Kai 1
1010 Vienna
Austria
Email: support_at@strong.tv

Licenses

 THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NONCOMMERCIAL USE OF A CONSUMER TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE [HTTP://WWW.MPEGLA.COM](http://WWW.MPEGLA.COM)

This product contains one or more programs protected under international and U.S. copyright laws as unpublished works. They are confidential and proprietary to Dolby Laboratories. Their reproduction or disclosure, in whole or in part, or the production of derivative works therefrom without the express permission of Dolby Laboratories is prohibited. Copyright 2003-2009 by Dolby Laboratories. All rights reserved.

STRONG declares that this item complies with the basic requirements and other relevant regulations of directives CE 2004/108/EC and 73/23/EC, RoHS 2002/95/EC

Subject to alterations. In consequence of continuous research and development technical specifications, design and appearance of products may change. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories, ASTRA is a registered trade mark of SES ASTRA, Irdeto is a registered trade mark of Irdeto Access B.V., HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. All other product names are trademarks or registered trademarks of their respective owners.

© STRONG 2017. All rights reserved.

TABLE OF CONTENTS

1.0 INTRODUCTION	3
1.1 Safety Instructions	3
1.2 Storage	4
1.3 Equipment Set-up	4
1.4 Accessories	4
1.5 Usage of external USB devices	5
2.0 YOUR RECEIVER	5
2.1 DEFAULT PIN-CODE: 0000	5
2.2 Front Panel	5
2.3 Rear Panel	6
2.4 Remote Control	6
2.5 Inserting the batteries	7
2.6 Using the remote control	7
3.0 CONNECTIONS	7
3.1 Connection via HDMI or SCART	7
3.2 Optional connection via DiSEqC 1.0 switch for up to 4 LNBs	7
3.3 Connect to the Internet for RSS feeds and weather forecasts	8
3.4 Extended connections for home entertainment	8
4.0 STARTING UP FOR THE FIRST TIME	8
4.1 Language and Video Settings	8
4.2 Antenna Setup	9
4.3 Channel list selection	9
4.4 Regional Channels	9
5.0 QUICK GUIDE TO USING YOUR RECEIVER	10
6.0 OPERATION	10
6.1 Changing channels	10
6.2 Info Banner	11
6.3 Selection of audio language	12
6.4 Teletext	12
6.5 Subtitles	12
6.6 Changing the video settings	12
6.7 EPG (Electronic Programme Guide)	12
7.0 MAIN MENU	13
7.1 Installation	13
7.2 Channels	17
7.3 Settings	19
7.4 Multimedia	21
7.5 Update	23
7.6 CA Menu	24
7.7 Network	24
8.0 TROUBLESHOOTING	25
9.0 TECHNICAL SPECIFICATIONS	27

1.0 INTRODUCTION

1.1 Safety Instructions

Read all of the instructions before operating the device. Keep these instructions well for later use.

- Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery etc.).
- Please refer to the information on the product enclosure for electrical and safety information before installing or operating the apparatus.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.
- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The mark  indicates a risk of electric shock.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- Danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent types.
- The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Excessive sound pressure from earphones and headphones can cause hearing loss. Listening to music at high volume levels and for extended durations can damage one's hearing.
- In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels.
- The mains plug or appliance coupler is used as disconnect device, it shall remain readily operable. When not in use and during movement, please take care of the power cord set, e.g. tie up the power cord set with cable tie or something like that. It shall be free from sharp edges or similar which can cause abrasion of the power cord set. When put into use again, please make sure the power cord is not damaged. The absence of a light indication on the apparatus does not mean that it is fully disconnected from the mains. To disconnect the apparatus completely, the mains plug must be pulled out.
- Attention should be drawn to environmental aspects of battery disposal.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
-  To prevent the spread of fire, keep candles or other open flames away from this product at all times.
-  Equipment with this symbol is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

Precautions

- Never try to open the device. It is dangerous to touch the inside of the device due to high voltages and possible electrical hazards. Opening the device 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 device is disconnected from the mains supply voltage. Wait a few seconds after switching off the device before you move the device 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 device.

Operating Environment

- Do not install this equipment in a confined space such as a bookcase or similar unit.
- Do not use the set near damp, and cold areas, protect the set from overheating.
- Keep away from direct sunlight.
- Do not use the set near dust place.
- Do not attach candle to accessible opening area, to avoid flammable foreign material from entering the device.

WEEE Directive

 Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

1.2 Storage

Your device has been carefully checked and packed before shipping. When unpacking it, make sure that all the parts are included and keep the packaging away from children. We recommend that you keep the carton during the warranty period, to keep your device perfectly protected in the event of repair or warranty.

1.3 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 your antenna.
- Make sure that the SCART/HDMI cable and outdoor components are in a good condition and the SCART/HDMI connections are well shielded and from good quality.

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

WARNING Indicates warning information.

NOTE Indicates any other additional important or helpful information.

MENU Represents a button on the remote control or the receiver.
(Bold characters)

Move to Represents a menu item within a screen.
(Italic characters)

1.4 Accessories

- Installation instructions
- 1x remote control unit
- 2x batteries (AAA type)
- 1x power adapter 12 V DC, 1,5 A

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, we recommend using (e.g. NiMH) types with low self-discharge to ensure long time operation of remote control.

NOTE: For the appropriate usage with this device, use only power adapters as listed below (in case of a necessary exchange):

- Model: CH-AS120150E7xR; Manufacturer: Sichuan Changhong Electronic Component Co., Ltd.
- Model: TB-AS120150E6xR; Manufacturer: Ten Pao Electronics (Huizhou) Co., Ltd.
- Model: CY-AS120150E5xR; Manufacturer: Jiangsu Chenyang Electron Co., Ltd.

The usage of other power adapters may cause damage to the device. Such damage is not covered under warranty.

1.5 Usage of external USB devices

- It is recommended to use USB 2.0 or higher storage devices. If your device is not compatible to USB 2.0 specifications, multimedia functions or software update might not work properly.
- If you are going to use external USB HDD (Hard Disk Drive) please consider that it might be the case that the power specifications 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.
- For a proper performance with this receiver your USB device must be formatted to FAT32.
- STRONG cannot guarantee the playback of all files although extensions are listed, as it depends on the used file size, codec, bit rate and resolution.

2.0 YOUR RECEIVER

2.1 DEFAULT PIN-CODE: 0000

2.2 Front Panel

Fig. 1

1. **IR Sensor** Receives the RCU commands.
2. **Indicator LED** GREEN indicates that the receiver is currently ON, RED indicates that the receiver is currently in Standby mode.
3. **STBY/ON** Switches the receiver ON or into Standby.
4. **USB** To connect your USB storage device for multimedia functions or software update.

2.3 Rear Panel

Fig. 2

- | | |
|--------------------------|---|
| 1. SAT IN | To connect to the LNB of your satellite antenna for reception of satellite broadcast signal. |
| 2. IR | To connect the separately available IR extender. |
| 3. Ethernet | To connect to your home network via switch, router or modem. |
| 4. HDMI | To connect to the HDMI input of your TV set using a good quality HDMI cable. |
| 5. S/PDIF (coax.) | To connect to a digital amplifier or home theatre set. |
| 6. TV SCART | To optionally connect to your TV set using a SCART cable. |
| 7. Power adapter | To connect to the original included main power adapter (Input 100 ~240V 50~60Hz / Output 12 V DC   ). |

2.4 Remote Control

Fig. 3

- | | |
|---|---|
| 1.  | Switches the receiver On/Standby |
| 2.  | Mutes audio output of the receiver in every mode incl. videotext, the symbol will not be shown within menu mode |
| 3. 0~9 | Channel selection or value input |
| 4. TV/R | Toggles between TV and RADIO mode |
| 5.  | No function |
| 6. FAV | Opens the favourite list selection if previously configured |
| 7.  | Opens the recently watched channel list or switches between the two last previously watched channels* |
| 8. AUDIO | Opens the list of audio languages |
| 9. INFO | Shows the actual channel information (2x event info, 3x technical info) |
| 10. EPG | Opens the EPG (Electronic Programme Guide) in TV mode |
| 11.  | Menu Off: Change channel to next/previous. Menu On: Moves the cursor up/down |
| 12.  | Menu Off: Decreases/increases the volume level. Menu On: Change settings and navigation in menu |
| 13. OK | Menu Off: Displays the current channel list. Menu On: Opens the highlighted setting or for confirmation. In Videotext mode: Changing the transparency in 3 stages |
| 14. MENU | Opens the main menu; Within the menu switches to TV mode |
| 15.  | One step back from each menu or to cancel actions |
| 16. VOL+/VOL- | Increases/decreases the volume in all modes (with TV picture in BG/Videotext) |
| 17. P+/P- | Scroll page wise in all lists |
| 18. LIST | Opens the satellite list in TV mode. In EPG and Timer mode it opens the Timer list |
| 19. CH+/CH- | Channel up/down |
| 20. OPT | Opens the settings for TV format, aspect ratio and resolution |
| 21. TEXT | Opens the videotext if available |
| 22. SUB | Shows the list of DVB-subtitles if available |
| 23.  | Gives direct access to mails from your broadcaster |
| 24.  | In Multimedia mode: To pause the playback of a file |
| 25.  | In Multimedia mode: Fast rewind/Fast forward |
| 26.  | No function |
| 27.  | In Multimedia mode: Starts the playback of a selected file (Preview) |
| 28.  | In Multimedia mode: During playback to jump to the previous/next file |

- | | |
|------------|---|
| 29. ■ | In Multimedia mode: Stops the playback of the selected file |
| 30. RED | In menu for specific functions |
| 31. GREEN | In menu for specific functions |
| 32. YELLOW | In menu for specific functions |
| 33. BLUE | In menu for specific functions |

* Depending on the System setting *Recent channel list* settings; allows you to call the channel list with up to 30 recently watched channels

2.5 Inserting the batteries

Fig. 4

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

2.6 Using the remote control

Fig. 5

- | | |
|--------------|--|
| NOTE: | The remote control will not operate if its path is blocked or affected by bright/stroboscopic light. |
|--------------|--|

3.0 CONNECTIONS

3.1 Connection via HDMI or SCART

Fig. 6

- Connect the LNB of your satellite antenna to the SAT IN connector of your receiver using a good quality coaxial cable and suitable 'F-connector' plugs.
- Connect one end of a good quality HDMI cable to the HDMI connector of your receiver and the other end to the HDMI input of your TV set.
- Plug the power adapter jack to the receiver and the other end to a suitable wall outlet.

Optional: Connect one end of a good quality Scart cable to the TV SCART of your receiver and the other end to the SCART input of your TV set.

3.2 Optional connection via DiSEqC 1.0 switch for up to 4 LNBs

Fig. 7

- Connect the LNBs of your fixed antenna to the desired inputs of a DiSEqC 1.0 switch using a good quality coaxial cable and suitable 'F-connectors'.
- Connect the output or "to receiver" of the DiSEqC 1.0 switch to the SAT IN connector on your receiver using a good quality coaxial cable and suitable 'F-connectors'.
- Plug the power adapter jack to the receiver and the other end to a suitable wall outlet.

3.3 Connect to the Internet for RSS feeds and weather forecasts

Fig. 8

To use RSS feeds and weather forecast, the receiver must be connected to the Internet. Connect the Ethernet (RJ-45) connector at least with a class CAT5E cable to your router/switch/Extender or similar applicable equipment, which provides access to the Internet.

3.4 Extended connections for home entertainment

Fig. 9

Connecting to a Digital Audio Amplifier with S/PDIF

By connecting your receiver to a digital amplifier or home theatre system, you can enjoy the best possible sound quality and multi-channel audio (depending on broadcast). Connect your Digital Audio Amplifier or home theatre system with a suitable cinch cable to the S/PDIF connector on the back of the receiver

Connecting to a digital audio amplifier and TV using HDMI

If you want to connect your home theater, amplifier or AV receiver using HDMI, connect one end of a high-quality HDMI cable to the HDMI connector on your receiver and the other end to the HDMI input on your digital audio device.

The HDMI output of the digital audio device is then connected to the TV with another high-quality HDMI cable. Select the appropriate input on your digital audio device as well as on the TV to use high quality audio and video signals.

4.0 STARTING UP FOR THE FIRST TIME

Ensure that your satellite signal is of good quality and that all connections are properly setup. In case of difficulties or questions, please ask your local dealer or service hotline for assistance. It is recommended to follow the *First Time Installation* step by step. It will guide you through the basic installation and setup process. You can enjoy digital HD broadcasts within just a few minutes. To enjoy the complete range of channels and to watch your preferred scrambled services, please register with the enclosed registration form at ORF-DIGITAL-Direkt.

If you have further questions about your registration, you can directly contact the ORF-DIGITAL-Service-Hotline (0800 700 600). Please have your *Device-ID* (Gerätenummer) ready.

4.1 Language and Video Settings

After connecting your receiver for the first time, the *OSD Language*, *Aspect Ratio*, *Aspect Conversion* and *HDMI Resolution* menus will be shown. Change your language with **◀▶** and use **▲▼** to select the other settings. For these settings, you can also use **OK** to show a list of available settings. Adjust the *Aspect Ratio* according to your TV (4:3 for an analogue CTV set and 16:9 for your new flat screen/HD TV) and select the *Conversion* of your preference.

For *HDMI Resolution* the default setting *720p* is recommended, but many TVs already support higher resolutions. Therefore, you can choose *1080p*.

NOTE:

If you select an HDMI resolution which is not supported by your TV, the receiver will switch to the previous setting automatically after ~10 sec. If you can see the displayed message, please confirm the selected resolution by pressing **OK**.

During any stage of the *First Time Installation*, you can press **BLUE Next** to go to the next step or **YELLOW Previous** to get back to the previous step.

4.2 Antenna Setup

This receiver is already adjusted for reception of Astra 19.2 satellite with the correct settings. Per default it is setup for DiSEqC port 1, but you can use the setting as well if you are not connected to any switch. You only need to change these settings if you are not connected to Astra 19.2 or this satellite is not connected to port 1 of your DiSEqC switch. To adjust your antenna settings for the *Satellite*, *LNB Power*, *LNB Type*, *LNB Freq*, *DiSEqC 1.0* and *Transponder* correctly, use the **◀▶** and **▲▼** buttons.

For user convenience which have a multi dish installation, the *Auto DiSEqC Scan** function is supported, which can be activated by pressing the **GREEN** button.

For further details and information about the settings, see chapter **7.1.1 Antenna Setup**.

In the First Time Installation, it is possible to adjust the settings for up to 4 satellite positions. To proceed within the First Time Installation, use the **BLUE Next** button to follow the steps.

* This new function can recognise available satellites in the persisting antenna installation. The predefined satellites are: Astra 19.2E, Astra 23.5E, Astra 28.2E, HotBird 13.0E and Eutelsat 9.0E.

4.3 Channel list selection

In this menu, you can choose your channel list by pressing **▲▼**.

You can choose between *ORF List*, *simpliTV List*, *Family List* and *Young Spirit*, depending on your preferences (an overview about the different channels can be found on our website www.strong.tv).

In the *ORF List* you can find mainly Austrian ORF HD channels, respectively the most popular and preferred German and Austrian Free-To-Air TV channels in SD and HD.

The *simpliTV List* includes all ORF HD, Austrian private HD channels and those available with an additional simpliTV SAT HD subscription. Additionally, it provides quick access to popular German and international Free-to-Air channels. The *simpliTV List* will be maintained by the service broadcaster. Individual changes can be made if channels have been moved to favourite lists.

The *Family list* and *Young Spirit* provides a mixed selection of Austrian and German HD channels, but in different sequences.

To continue with the first-time installation, press the **BLUE Next** key.

4.4 Regional Channels

Use **▲▼** to decide which ORF2 HD channel should be placed at the 2nd position of the selected channel list. Press **OK** to confirm.

After your regional channel is set, press the **BLUE Next** button to finish the first-time installation. Your receiver will execute the respective search and afterwards switches automatically to the 1st channel of your selected list

Details for a channel search can be found in the chapter **7.1.3 Channel search**.

5.0 QUICK GUIDE TO USING YOUR RECEIVER

We at STRONG understand that you can't wait to enjoy your new HD receiver. We do, however, recommend to read the full user manual to get the best performance from your STRONG HD receiver.

To switch your receiver on or to Standby, use the **◊** button on the remote control. Choose a channel with **P-/P+** or the **CH+/CH-** buttons. Alternatively, you can choose 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 **◀▶** or the **VOL+/VOL-** buttons. The usage of **VOL+/VOL-** and **∅** is possible in ALL menus which present a TV picture in the background and can be additionally used in the videotext mode. **P+/P-** enables you to scroll page wise in all lists, which allows you to select channels or other items as conveniently as possible.

To open the channel and programme* information, press the **INFO** button in viewing mode. In this state it is possible to use **◀▶** to display channel and programme information about other channels without switching channels, but however in this mode you can also switch to the selected channel by pressing **OK**. Press **INFO** twice to display detailed programme information of the current or next programme.

For the current programme information use **◀▶** to change between the current and next event information. In the respective programme information you can use **P+/P-** to scroll if applicable. If you press the button a third time, technical details of this channel will be displayed. Press **INFO** or **∅** to close the information.

* Programme information is displayed in case of availability. Availability depends on the broadcast.

NOTE: 5 min after switching the receiver into Standby it will enter the deep sleep mode. Within this time the receiver is able to start up quickly. Starting up from deep sleep takes approx. 35 seconds.

6.0 OPERATION

In viewing mode, several features are available to make watching TV a true pleasure. This chapter describes these features. Please also read chapter 7.0 to get familiar with the menu of your new receiver.

6.1 Changing channels

Your new receiver is equipped with three ways to change channels.

1. Via direct access
2. Via the channel list
3. Via the **CH+/CH-** or **▲▼** buttons
4. Via using the **Q** button

6.1.1 Direct access

To gain direct access to a certain channel, simply input 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. After entering the channel number just wait a few seconds or press **OK** and your receiver will switch to the selected channel.

NOTE: When using the *simpliTV List* some channel numbers may not be assigned or present in the list. Channels which have been searched manually or been added personally (e.g. when you had installed another list before installing the *simpliTV List*) will be assigned from channel number 400 onwards.

6.1.2 Channel list

Press **OK** in viewing mode to display the channel list. In the header section the corresponding name of the selected channel list will be displayed. Use **▲▼** inside the channel list to highlight your channel of choice and press **OK** to switch to the highlighted channel.

The channel list is equipped with a filter function to make it easier to find your favourite channels. While in the channel list, press **RED**. An alphabet banner will now be displayed. Use **▲▼** or **P+/P-** to select the first letter or number of the channel you wish to filter for and press **OK** or **◀▶** to change to the filtered list. All channels, beginning with the chosen letter, will now be listed at the left side (ascending order by channel number). Then use the **▲▼** buttons to select the desired channel. Afterwards, the normal channel list is displayed again. To quickly switch between your preferred channels, use the **Q** button to display the list of *Recent watched channels*.

The following buttons are available in the channel list and in viewing mode:

- TV/R:** Toggles between TV and radio channels, in channel list changes the list mode.
- LIST:** Opens the satellite list selection in viewing and list mode in case there is more than 1 satellite installed.
- FAV:** Displays the favourite list selection in both modes. Details about creating favourite lists can be found in chapter **7.2.1 TV Channel Manager**.

To return to the original respectively to the previous channel list /mode use **TV/R** or **LIST**.

6.1.3 Using the CH+/CH- buttons

CH+ or **▲** will switch to a higher channel.

CH- or **▼** will switch a lower channel.

6.1.4 Using the Q button

In order to quickly switch between your most preferred channels, use **Q** to view the list of *Recently watched channels*. This list contains up to 30 recently watched channels. As this list is temporary it will be recreated each time after you switch on your receiver. In the **Settings > System Settings** menu, the **Recent channel list** option can also be set to **Off**, in this case pressing the **Q** button changes between the 2 last watched channels.

6.2 Info Banner

Any time during viewing mode you can press the **INFO** button to get info about the current channel and programme*.

In this state, it is possible to use **◀▶** to display channel and programme information about other channels without switching channels, but however in this mode you can also switch to the selected channel by pressing **OK**. Press **INFO** twice to display detailed programme information of the current or next programme. For the current programme information use **◀▶** to change between the current and next event information. In the respective programme information, you can use **P+/P-** to scroll if applicable. If you press the button a third time, technical details of this channel will be displayed. The technical information might help you in case of reception or similar problems to see if the channel provides Audio/Video PIDs and if the signal is of sufficient quality and strength additionally you can find the *Device-ID* (*Gerätenummer*) in this screen. Press **INFO** or **✖** to close the information.

Settings for the display duration can be set in menu **7.3.2 System Settings**.

* Programme information is displayed in case of availability. Availability depends on the broadcast.

6.3 Selection of audio language

Some channels support a choice of different audio formats and/or languages. To select another audio language, press **AUDIO** in the viewing mode. A list with the available audio languages will be displayed. Press **▲▼** to select an audio language or mode and confirm with **OK**. It is also possible to select another audio mode with **◀▶**. To confirm your settings press **OK** to apply.

6.4 Teletext

Your receiver includes a fully featured Teletext. To access Teletext, press the **TEXT** button in viewing mode and enter the page number of choice with the **0~9** buttons. You can use **▲▼◀▶** like described on screen for selection and scrolling through Teletext pages. If you would like to change the transparency of the Videotext, press **OK**. In this mode the usage of **VOL+/VOL-** and **∅** is supported as well. If subpages are available at the current page, use **◀▶** to select and with **P+/P-** you can scroll fast through the pages **+100/-100**. Press **◀▶** or **TEXT** to quit.

6.5 Subtitles

Some channels support a choice of different DVB subtitle languages. Press the **SUB** button in viewing mode to display a list of available subtitle languages. Use the **▲▼** buttons for selection and confirm with **OK**. To leave this menu use **◀▶**.

NOTE:

DVB subtitles on Astra 19.2 are currently available on different German channels: Das Erste HD, ZDF HD, 3sat HD, arteHD, WDR HD and other popular channels. If you switch the *Subtitles Display* to *On*, the according subtitles will be displayed automatically in case of availability for this channel/movie. When the setting is *Off* subtitles can be temporary opened. Further information about subtitles can be found on the broadcaster's own videotext pages or websites.

6.6 Changing the video settings

Press the **OPT** button in viewing mode to change settings like *HDMI Resolution*, *Aspect Ratio* and *Aspect Conversion* or to have a look on the current settings. To select use **▲▼** and to change use **◀▶**. After all settings have been made, press **◀▶** to quit.

NOTE:

If you select an HDMI resolution which isn't supported by your TV, the receiver will automatically switch to the previous settings after ~10 sec. If you can see the displayed message, please confirm the selected resolution by pressing **OK**.

6.7 EPG (Electronic Programme Guide)

The Electronic Programme Guide (EPG) provides an information overview on the current television programme. The information is provided by the respective broadcaster and may not be available for all channels.

Therein you will find program information and overviews and you can also program a timer (for viewing or with your VCR).

To open, press the **EPG** button in TV mode. By default, the *Grid EPG* is set, which gives you a better overview of the current program on several different channels. On the left you will see the channel list, on the right the events preview with the event information for the next hours. The corresponding short information about the selected event is displayed in the upper right of the screen with the start and end of the event. Use the **▲▼** buttons to select the desired channel, then press **OK** to switch to the channel and load its information. If you press **OK** again on you will directly switch to TV mode. Use **►** to highlight a particular event of the selected channel. Press **INFO** to display detailed information and press **◀** to close it again. Press the **BLUE** button to go 6 hours forwards and press the **YELLOW** button to go 6h backwards (not further than to current time). To go directly to the current time use the **GREEN** button. The **RED** button allows you to book a timer for a selected event and with **LIST** you can open the timer list.

For details on editing timers, see chapter **7.3.4 Timer**, the function is identical.

Use the **EPG** button to switch to *Single EPG*.

Single EPG

In this form of the EPG, you always see the list of information for the selected channel on the right where you can use **▲▼** to select an event. The corresponding event description is located in the lower area. To go to the next or previous day, use the **BLUE** and **YELLOW** buttons, to return to the current contents use the **GREEN** button. The remaining functions stay as described above. To switch to the *Grid EPG* use the **EPG** button and to leave the menu use **◀** or press **OK** for a 2nd time on the selected channel.

NOTE:

Availability of EPG data depends on broadcast and can be displayed for up to 7 days. If you are opening the EPG just after the receiver was switched on or changed to another transponder we recommend to wait for a short moment in order to collect the data.

7.0 MAIN MENU

Press **MENU** in viewing mode to display the main menu. All important settings and features of your receiver can be operated from there. It consists of the following sub-menus: *Installation*, *Channels*, *Settings*, *Multimedia*, *Update*, *CA Menu* and *Network*

Use **◀▶** to select a sub-menu and **▲▼** to choose an option. Press **OK** to open the chosen submenu.

7.1 Installation

Press **MENU** and select *Installation* with **◀▶**. The following sub-menus are available: *Antenna Setup*, *Motor Setting*, *Channel Search* and *Factory Reset*.

7.1.1 Antenna Setup

In this menu, you can change and adapt settings for the antenna(s) and their transponders. Use the **◀▶** buttons to change settings, and use **▲▼** to select an item, or press **OK** to list the settings. For the default setting of *DiSEqC 1.0*, you can set the parameters for up to 4 satellite positions *Port 1-4*.

Satellite Press **OK** to open the list of available satellites. Select the desired satellite with **▲▼** or **P+P-** and confirm with **OK**.

LNB Power If necessary, you can change the LNB voltage using the **◀▶** buttons.

LNB Type Select the desired LNB type using the **◀▶** buttons if you are not using a universal LNB. Available are: *C Band*, *SatCR* and *User defined*.

LNB Freq	Displays the corresponding values for the LNB type. 4 adjustments are possible.
22 KHz Tone	Not configurable at <i>Universal LNB Type</i> .
DiSEqC 1.0	If DiSEqC 1.0 is used, up to 4 positions can be linked to satellites.
DiSEqC 1.1	If DiSEqC 1.1 is used, up to 16 positions can be linked to satellites.
System	If you set <i>Sat CR</i> , here you can choose a number from 1-9.
IF Channel	If you are using <i>Sat CR</i> , you can set the <i>IF channel</i> here
Center Frequency	If you are using <i>Sat CR</i> , you can enter the corresponding frequency here
Transponder	Press OK to open the list of available transponders for the selected satellite to check the reception or select for channel search on it.

If *Transponder* is highlighted, the channel search can be started on this TP by using the **RED Search** button or just press **OK**, the **GREEN Auto DiSEqC Search*** button allows you to search for available satellites in the existing antenna installation.

* This function can find available satellites within the already persisting installation. The preconfigured satellites are: Astra 19.2E, Astra 23.5E, Astra 28.2E, HotBird 13.0E and Eutelsat 9.0E.

7.1.2 Motor Setting

If you are using *DiSEqC 1.2 or USALS*, you can install satellites which are received by a motorised dish. For the correct installation and positioning of your motor, we recommend the support/advice of a professional and experienced installer. Here you can configure the motor type and set the motor position for a satellite that you want to receive.

Satellite	Press OK to open the list of available satellites and select one by using the ▲▼ or P+/P- buttons, then press OK again for confirmation.
Transponder	Press OK to open the list of available transponders if you like to set a specific transponder for the selected satellite.
DiSEqC Motor	Choose between <i>DiSEqC 1.2 and USALS</i> or <i>Off</i> . Per default it is <i>Off</i> because of pre-defined setup for <i>DiSEqC 1.0</i> .

DiSEqC 1.2 selection

Move step-wise	Press ◀▶ to move your antenna east or west. Move carefully until you see that both signal beams have an acceptable reception level. When you find the selected satellite, press ► and select <i>Yes</i> to save the position.
Move continuously	Use this function to move quickly to a desired position by holding down the ◀ or ▶ key, depending on the direction in which you want to move the antenna. Also, be very careful with it, so you do not bump into obstacles.
Limit	Press OK to open this sub-menu, which allows you to set the mechanical limits for your motor. This is only necessary if your antenna is mounted which means, that a wall, a tree or similar physical blockages could interfere with a free movement of the antenna or motor.
Save to this position	You can store this position between 0 and 63, OK can be used again as described above.
Save/Recalculation	With Save and Recalculate, you can set whether the position should be saved or a new calculation should be made after setting this position.
Go to position	Press OK to move the motor to the centre position. This is only necessary for the first time to set the antenna correctly. Then you can also select a number of a position you already have stored or check the antenna position.

USALS selection

Configure the motor position by using the USALS function. Enter your geographic location. The motor is able to calculate all available satellite positions, preconditioned this function is also supported by the motor. Use **▲▼** to select the *Antenna Position* sub-menu.

Antenna position:

Press **OK** to open the submenu. Use the **0 ~ 9** buttons to enter the degree of longitude. Next, select *East* or *West*, then **0 ~ 9** to enter the latitude. Finally, specify *North* or *South*. Finally, select *Save* and press **OK** to confirm your entries.

Go to position

Press **OK** to move the motor to the desired satellite position. After computation, you can also select other satellites, go to *Satellite* and select the desired one from the list.

NOTE:

For detailed information about correct geographic locations for your location, visit websites such as dishpointer.com, itouchmap.com, or other reliable sources such as professional journals.

7.1.3 Channel Search

In this menu, you can perform an automatic, network or transponder search. You can also search for channels on all installed satellites. Use the **▲▼** buttons to highlight the desired item and use **◀▶** to change the settings.

Satellite:

Here you will find a list of satellites, only select a satellite/s which is available in your installation or have been configured previously.

If this option is marked, the name and position can be changed using the **RED Rename Satellite** button. To do this use **▲▼** and **◀▶**, on the shown keyboard, to navigate.

Transponder:

Use the **◀▶** buttons to switch between the transponders of the selected satellite. You can also press **OK** to list them. Use **▲▼** or **P+/P-** to scroll through the list. Confirm your selection with **OK**. Press the **RED** button to **Edit TP**, the **GREEN** to **Add TP** or **YELLOW** to **Delete Current TP**. Details can be found in chapter 7.1.3.1 **Edit, add or delete transponders**

Channel type

Use **◀▶** to select the channels you'd like to search for: *All*, *only Free-to-air* or *Encrypted* channels.

Scan mode

TV & Radio searches for TV and radio channels, *TV* only for TV channels and *radio* only for radio channels.

Search for

Use **◀▶** to select the search type to be performed. You can choose between the following options:

One Satellite:

Searching on the selected satellite

Selected Satellites:

Search for all installed satellites. * This option displays a menu for selecting the installed satellites. After selection, please use the **RED Search** key to continue the search.

NIT Table:

NIT Scan on the selected satellite.

simpliTV List:

With this option you can install the *simpliTV list* at a later stage. In this case, previous installed or available channels are kept and will be integrated in the *simpliTV list*. TV or radio channels which are not included in the *simpliTV list* are listed starting with channel number 400 and cannot be edited. The order

of the channels can be edited in *My TV List* therefore see chapter **7.2.1 TV Channel Manager**.

One Transponder: Search on the transponder selected in above

After choosing the desired settings, press **OK** to start the channel search, or press  to exit the menu without scanning.

* Only available if more than one satellite has been setup.

NOTE: Network Data/NIT Table (Network Identification Table): This function allows you to search for the NIT data of the corresponding satellite to receive newly appeared channels. Please consider that unlike Astra 19.2 or HOT BIRD 13° some satellites do not offer this function or only support it partly. If you have any questions, please contact your dealer or the service/service hotline.

NOTE: If you want to add or edit parameters for a transponder, we recommend verifying it by consulting websites like: www.lyngsat.com; www.kingsatsat.net or you can refer to professional journals.

7.1.4.1 Edit, add or delete transponders

In this submenu, you can edit transponders. Use   to navigate.

Frequency: Use the **0~9** buttons to enter the desired/changed frequency.

Symbol Rate: Use the **0~9** buttons to enter the required symbol rate.

Polarization: Use the   buttons to change the polarization.

Use   to select *Save* to accept or *Cancel* to discard the changes.

If you have selected a specific transponder from the list and want to delete it, use the **YELLOW** button and confirm the message with **OK**.

7.1.5 Channel list selection

In this menu, you can select any of the four available channel lists without the necessity of a *Factory Reset*.

This menu is structured almost the same as the *first time installation*, for details please see chapter **4.3 Channel list selection** and **4.4 Regional Channels**. In this menu, the confirmation of the list is done with the **OK** button. The previously selected regional channel is already highlighted, but you can also select another one.

NOTE: Previous changed or added channels (of a previous channel list), as well as favourite lists, will be lost

NOTE: The *simpliTV list* contains channels in the sequence and numbering of the broadcaster. Added/additional channels which are not included in the list, will be listed from channel number 400 and cannot be edited. The channels can be edited in *My TV List*, see chapter **7.2.1 TV Channel Manager**

7.1.6 Factory Reset

The factory reset will set the receiver back to the default settings. All saved channels and settings will be lost!

To reset the receiver, enter your PIN-Code (**DEFAULT PIN-CODE: 0000**). Use **◀▶** to select **OK** to perform the reset or **Cancel** to return to the menu. After the factory reset the receiver will start within the *First Time Installation*.

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

7.2 Channels

Press **MENU** and use **◀▶** to select the *Channels* menu. The following sub-menus are available: *TV Channel Manager*, *Radio Channel Manager*, *Electronic Programme Guide* and *Parental Control*.

7.2.1 TV Channel Manager

This menu allows you to customize your channel list or create favourite lists. To perform the desired action, proceed as described below.

On the upper left, you can see the preview of the currently selected channel. Below you can find the selection of the various functions as well as **FAV** for creating favourite lists. In the middle is the empty list where selected channels will be displayed. On the right, in the *Program List* you will see the channels listed as in the standard channel list (depending on which one was selected during the First Time Installation). If the *simpliTIV list* is selected, it will be displayed in the middle and the *My TV list* on the right. This function is identical to the other favorites lists, please see below at **Create Favourite Lists**.

Use **▲▼** to select a desired function and then **▶** to go to *Program List* (except when selecting **FAV**, see below). Then you will see that the selected option is dark grey. You can use **P+/P-** to scroll through lists. **☒** and **VOL+/VOL-** are also available in this mode.

If you are in the *Program List* (right), you can select channels to be locked, deleted or moved by using **OK**. These are listed in the centre under *Selected*. In this stage the receiver will switch to the selected channel automatically which should make the allocation easier for you. If you have marked a channel by mistake, move to the centre and press **OK** on the channel and the selection will be cancelled.

Lock	Use this function to lock channels. Locked channels are marked with the  after saving. Locked channels are locked in all channel lists, the PIN-Code must be entered for watching them (DEFAULT PIN-CODE: 0000).
Delete	Here you can mark the desired number of channels for deletion and only if you leave the menu by pressing the  button you will be asked if you want to confirm the changes. This applies to all changes you have made.
Move	Use this function to move one or more channels. To do so, select the channel/s you want to move with OK in the <i>Program List</i> , they will be shifted into the <i>Selected</i> column. You can already define the order of their appearance with the targeted selection. Then use ▲▼ and P+/P- buttons to select a position in the <i>Program List</i> where you want to insert the channels and press the YELLOW Move button. The channels will be inserted below the selected position

Create Favourite Lists

Select **FAV** and press **OK** to create favourite lists. On the left, below the TV image, the groups, which are available, will be displayed. Use **▲▼** to select a group. If you press **OK**, a keyboard appears and you can rename the group. Within the keyboard use the **▲▼** and **◀▶** buttons to navigate and **OK** to enter the desired character/number. Use **RED** to delete the existing name and **GREEN** to switch between capital and small letters. Use **P+/P-** to switch to the special characters.

Once finished, select **Save** and press **OK**. Then go to the right via **▶** button, where your usual program list is displayed. Use **FAV** to add a channel to the selected favourite list and press **OK** to switch to this channel. When you go to the centre, you can use **FAV** to remove the selected channel from this favourite list (only from the FAV list). You can also activate the **↑↓** function by the **YELLOW** button. A **↑↓** will appear next to the channel. Now move it to the desired position by using **▲▼** and confirm the new position by pressing the **YELLOW** button again. In this case, channels can only be moved one by one.

To exit from a menu, press either **◀** to go back one step, or **MENU** to go directly to TV mode. When you exit the menu by **◀/MENU**, you will be asked to confirm the changes. This is applicable for all changes you made.

NOTE:	The <i>simpliTV list</i> contains channels in the sequence and numbering of the broadcaster. Added/additional channels which are not included in the list are listed from channel number 400 and cannot be edited. The channels can be edited in <i>My TV List</i> , see chapter 7.2.1 TV Channel Manager
--------------	---

7.2.2 Radio Channel Manager

Please refer to the previous chapter *TV Channel Manager* to find out how it works in radio mode. The only difference is that no picture is available.

7.2.3 EPG (Electronic Programme Guide)

For details on the EPG please refer to chapter 6.7 EPG (Electronic Programme Guide).

7.2.4 Parental Control

In this menu, you can make a *PIN-Code Change*, set a *Menu lock* and *Program Lock Age*.

To enter this menu, you need to enter the PIN-Code (**DEFAULT PIN: 0000**) first. Use the **▲▼** buttons to select the desired setting or press **OK** to list the options. Use the **◀▶** buttons to change the setting.

Menu lock: Use **◀▶** to select **ON** or **OFF**, depending on whether you want to use this function. It allows you to block access to the sender management and the complete installation menu.

Program Lock Age: Use **◀▶** to choose between the following settings: **Off**, **12 years**, **14 years**, **16 years** or **18 years**. As soon as you switch to channels which support child protection or EPG-based age restrictions, you must enter your PIN-Code according to your settings.

PIN-Code Change: Press **OK** to open the options listed below.

Old PIN-Code: Use **0 ~ 9** to enter the old PIN-Code.

New PIN-Code: Use **0 ~ 9** to enter the new PIN-Code.

Confirm new PIN: Press the **0~9** buttons to confirm your new PIN-Code.

After confirming the new PIN-Code, the menu is closed, otherwise press **◀** to exit.

NOTE:

Parental Control only works on channels which support EPG or EPG based age restrictions, only then you will be prompted to enter your PIN-Code (**DEFAULT PIN: 0000**). Otherwise, you can also lock the required channels as described in the chapter **7.2.1 TV Channel Manager**.

7.3 Settings

Press **MENU** and select **SETTINGS** with **◀▶**. The following submenus are available: *Language*, *System Settings*, *Time Settings*, *Timer*, and *STB Information*.

7.3.1 Language

In this menu you can set the preferred languages for the menu, audio and subtitles. Use the **▲▼** buttons to highlight the desired item and press **◀▶** to change the settings.

OSD Language: Select the desired language, and select *Deutsch* and *English*.

1st Audio Language: Set the 1st audio language here. If it is available, the receiver automatically selects it. On the German-language channels the original language track might be available and can also be set. In certain cases also acoustic image descriptions can be selected.

2nd Audio Language: Set the 2nd audio language here, if the 1st is not available.

Subtitles Display: Select between *On* or *Off*. If *Subtitle Display* is set to *On*, Subtitles will be displayed automatically in the language selected below (if broadcast/ supported by the operator). If you do not want the receiver to display subtitles, keep the setting *Off*. Please note that some events are broadcast with fixed subtitles (fixed in the video signal integrated). These subtitles can not be switched off.

Subtitle language: Set the language for the subtitles, if available, subtitles are displayed in the selected language.

Volume settings: Here, you can set whether channels should use a *unite* volume control or if this should be controlled separately *Per Service*. Try to find out which setting works best for you.

NOTE:

DVB subtitles on Astra 19.2 are currently available on different German channels: Das Erste HD, ZDF HD, 3sat HD, arteHD, WDR HD and other popular channels. If you switch the *Subtitles Display* to *On*, the according subtitles will be displayed automatically in case of availability for this channel/movie. When the setting is *Off*, subtitles can be temporary opened. Further information about subtitles can be found on the broadcaster's own videotext pages or websites.

7.3.2 System Settings

In this menu, you can adjust the video parameters according to the connected TV, while general settings are also available.

HDMI Resolution: This allows you to set the resolution for your HDMI output. If your TV does not support the newly set value, the screen turns black. In this case, wait for about

	10 seconds and do not press any buttons on the remote control, then the value will automatically be reset to the previous one.
Aspect Ratio:	Set the screen format that corresponds to that of the connected TV (4:3 or 16:9).
Aspect Conversion:	Set the image conversion as required. When a TV is connected with the aspect ratio of 4:3, the optimal mode is Letterbox. A video in the 4:3 format is not adjusted in this mode, but a video in the 16:9 format is adjusted so that it is reproduced completely and without distortion (there are black horizontal bars above and below the picture). When a TV with aspect ratio 16:9 is connected, the optimum mode is 16:9. A video in the 4:3 format is reproduced with this setting without distortion (however, there are black vertical bars on the left and right of playback). A video in the 16:9 format is displayed without image adjustment and covers the entire screen. Note that it is also possible to set the format via the menu of your TV (depending on your TV model).
HDMI Audio Output:	Here you can set the setting for the digital audio output via HDMI. Press the ◀▶ buttons to select between <i>BitStream</i> and <i>PCM</i> . If a TV set that supports Dolby® Digital * is connected, use the <i>BitStream</i> setting. If this is not the case, use <i>PCM</i> .
S/PDIF Audio Output:	Here you can set the digital audio output via the coaxial S/PDIF. Press the ◀▶ buttons to select between <i>BitStream</i> and <i>PCM</i> . If a home theater, amplifier, or similar is connected that supports Dolby® Digital *, use the <i>BitStream</i> setting. If this is not the case, use <i>PCM</i> .
OSD Transparency:	You can set the transparency in this menu. You can choose between different values and <i>Cover</i>
Banner Time Out:	Here you can adjust how long the infobanner is displayed.
Recent channel list	Here, you can set the function of the Q button, factory-set <i>On</i> , which allows you to open the <i>Recently Viewed Channels</i> list using Q in TV mode to access up to 30 of the most recently viewed channels receive. If you set <i>Off</i> , the button will only change between the 2 most recently viewed channels.
Deep Standby After:	This function switches the receiver to the power save mode (Deep Sleep) after switching it off into the standby mode within the set time. Available settings are: <i>5 minutes</i> , <i>15 minutes</i> , <i>30 minutes</i> , <i>1 hour</i> , <i>3 hours</i> , and <i>Off</i> . The receiver consumes less power than in standby mode. To power up from deep sleep mode, it takes about 45 seconds.
Auto Standby:	This function allows you to set the hours after which the receiver should automatically switch to standby mode. Available settings are: <i>1 hour</i> , <i>2 hours</i> , <i>3 hours</i> , <i>4 hours</i> , <i>5 hours</i> , <i>6 hours</i> , and <i>Off</i> . If the receiver has not been operated during the set time, it automatically switches to standby mode. This is an additional way to reduce power consumption.
simpliTV List - Update	By default, this option is set to <i>On</i> , to ensure that the <i>simpliTV list</i> is always up to date, respectively in case of an available update, a separate message will be displayed. If you don't like to be notified, set this option to <i>Off</i> .

7.3.3 Time Settings

In this menu, you can adjust settings for the time and date

- Time Settings:* Select *Auto* to automatically synchronize the time and time zone, or *Manual* to set the time manually.
- Timezone:* The time zone can be adjusted in manual *Time Settings*.
- Summer Time:* This setting is only available when you set the time to *Manual*. When the winter time is changing to *Summer Time*, it is necessary to switch *Summer Time* to *ON*.

7.3.4 Timer

Use the timer function to switch to a selected programme. Press **OK** to open a timer.

- Timer Mode:* Use **◀▶** to select *Once*, *Monday-Friday*, *Daily*, *Weekly* or *Monthly*, factory setting is set to *Off*.
- Timer Action:* *Switch On* is set here to switch the receiver on at the desired time.
- Channel:* Press **OK** to open the channel list and press **▲▼** or **P+/P-** to select the desired channel and press **OK** to accept.
- Start Date:* Enter the selected date with **0 ~ 9**.
- Start Time:* Enter the selected starting time with **0 ~ 9**.
- End Time:* Enter the selected end of the recording with **0 ~ 9**.
- Standby after timer:* Set here whether the receiver should always be in standby after the timer has expired or whether it should always remain switched on.

After finishing all settings, press **▲▼** to select *Save* and press **OK**.

NOTE: The setting for *Standby after timer* applies to all timers.

7.3.5 Receiver Information

The menu contains information about the hardware and software versions of the receiver.

Amongst others you will find the serial number, model name, loader version and the *Device-ID* (*Gerätenummer*) of the receiver. The *Device-ID* (*Gerätenummer*) can be found on the bottom of the receiver, on the packaging, in the *Client Status* menu or in the technical information (3x **INFO**). If you need to contact our support, please keep this information as it can help you process your request.

7.4 Multimedia

In this menu you can decide whether to play movies, music or look at pictures.

Use the **▲▼** buttons to select the appropriate menu, and then press **OK** to switch to one of the submenus. In all multimedia menus, you can use the multimedia buttons as usual.

7.4.1 Movies

Only supported movies can be played in this menu. Use the **▲▼◀▶** and **P+/P-** buttons to navigate and select, or press **OK**.

Signs and symbols:

- ⌂ Press **OK** on this icon to go back to the main directory from a selected subdirectory.
- ➡ Press **OK** on this icon to move from a selected subdirectory to the next directory.
- 📁 Displays a folder. Press **OK** on this icon to open it.
- 🎥 Displays a file. Press **OK** on this icon to start playback in the preview mode. Press **OK** again to play in full-screen mode.

Playback in preview mode

Press the **RED Options** button to select files for playback or to delete selected files.

Use the **GREEN Play Mode** button to set whether the file (s) should be repeated once or all or all.

Use the **BLUE Switch** button to switch directly to music or photo mode.

Playback in Full Screen Mode

Use the **GREEN Jump** key to jump to a specific time.

Press the **YELLOW Hide** button to show or hide the Infobanner.

Use the **BLUE Audio** button to change the audio language.

INFO changes the playback mode, e.g. whether the file (s) should be repeated once, randomly, or all.

7.4.2 Music

In this menu only supported music files can be played back. Use the **▲▼◀▶** and **P +/P-** buttons to navigate and select or press **OK**.

Essentially, the functions for playing music do not differ from the functions for playing movies. Only for music, there is no playback in full-screen mode. Please read the chapter above to familiarize yourself with the full functions.

7.4.3 Pictures

In this menu only supported image files can be shown.

The function for playing pictures/photos only differs slightly from the playback for music.

Here you can find the functions that are available for pictures or are different from the rest:

Playback in Full Screen Mode

As soon as you confirm a picture with **OK**, the slideshow is starting; depending which mode has been selected. The multimedia buttons can be used as usual.

Press **MENU** or **⬅** to exit the function.

Playback in preview mode

Use the **GREEN Play Mode** button to change how the images should be played.

- | | |
|--------------------|--|
| Slide Time | This is where you can set how long it takes to go to the next image during the slideshow, select 3 seconds, 5 seconds, 7 seconds, and OFF . OFF only displays individual images. |
| Repeat Mode | You can set the RepeatMode mode, whether the images are to be repeated Random all All or not Off at all. |

Press **MENU** or **⬅** to exit the menu.

7.5 Update

In this menu you can update the receiver via USB or OTA (= Over The Air /download via satellite). Select the desired sub-menu using the ▲▼ buttons and press **OK** to continue.

7.5.1 USB Software Update

This function allows you to perform a software update using a USB storage device.

Download the appropriate software and update instructions from our website www.strong.tv and unzip them to your correctly formatted USB storage device. Load the file (s) into the main directory of your USB device, then connect it to your receiver. Switch the receiver on and wait until the storage device is successfully detected.

1. Wait a few seconds (~ 10 sec.) until the receiver displays a message that new software is available. If no message is displayed, please try another storage device!
2. Use the ▲▼ buttons to select **OK** and press **OK** to perform the update.
3. The receiver now changes to the update mode. Please wait until the update is completed!
4. Please remove the USB device as soon as the corresponding message is displayed from your receiver!

After the successful update you need to remove the USB device to reboot!

WARNING:

NEVER disconnect the receiver from the mains or switch the power OFF during the update procedure. It can damage your receiver and warranty will void! In case of an USB software update please consider that the receiver may delete all channels, data and user settings in certain cases.

7.5.2 OTA Software Update

With the OTA (Over The Air) function, you can search for software updates via satellite. Ask your STRONG dealer or visit our website www.strong.tv for more information. Only in the case of an available update and appropriate handling the option will be available in the menu. It is possible that you can also receive an update request after starting up the receiver. Updates which are broadcasted via OTA are intended to improve and to enhance the product so it should be carried out in your own interest.

Press **OK** on the *OTA Software Update* menu. The receiver starts with the software search. Follow the further instructions on screen.

WARNING:

During the update process NEVER disconnect the receiver from the mains, switch power OFF or disconnect the receiver from the antenna cable! This can damage your receiver and warranty will be void! In case of an OTA update please consider that the receiver may delete all channels, data and user settings in certain cases.

7.5.3 Database backup to USB device

Use a USB storage device formatted in FAT32 and connect it to your receiver. When the USB device is connected successfully a message will be displayed. This ensures the proper and correct function. Use **OK** to confirm *Database backup to USB device* and confirm the next message (will only appear at first use) with **OK** for execution. Please wait for a moment. If it is completed, confirm again by pressing **OK**. Now remove the USB device from the receiver. If this USB device is now connected to the PC, laptop or

similar, you can find the directory "ORS-CCA-S2-MM_backup" there. It includes a backup of the channel lists ("FAMILY_LIST.csv", "ORF_LIST.csv", "YOUNG_SPIRIT_LIST.csv" and if installed "SIMPLITV_LIST.csv"), as well as a backup of the satellites and transponder data ("SATELLITE_INFO.csv"). You can use this data as a backup or rework it using MS Excel for example. Please ensure to keep the file name and .csv specific formatting. Further information and instructions can be requested from our service and support.

7.5.4 Recover database from USB device

If you now want to import the data from the backup, created as explained above, or one of the changed channel lists, you can import the files individually. Assuming the file name, etc. matches and you put the file back in the directory mentioned above ("ORS-CCA-S2-MM_backup"). We recommend you to always keep the backup of the original files in order so you can restore them in case of possible errors. Confirm *Recover database from USB device* by pressing **OK** and confirm the displayed message with **OK** to execute. If the procedure is completed confirm again by pressing **OK**. You can remove the USB device from the receiver now.

7.6 CA Menu

This menu contains all important and necessary information about the integrated encryption system. If there are any problems with opening encrypted channels, you can directly call the ORF-DIGITAL-Service Hotline (0800 700 600). Please keep your *Device ID* (Gerätenummer) ready. If a different service hotline is shown in the error message, please use this one instead.

7.6.1 Service Status

This menu provides information about the decryption status.

7.6.2 Loader Status

This menu provides information about the loader status.

7.6.3 Product Status

The product status shows the current status of entitlements by operator. Each product is marked with date and duration.

7.6.4 Client Status

This menu shows all details of the integrated encryption system and its properties. Here you can find the serial number S/N as well as the *Device-ID* (Gerätenummer) required for registration at ORF or simpliTV.

7.6.5 Mailbox

In this menu item you open messages from your service provider. Use **▲▼** and **OK** to select and view the content.

7.7 Network

The *Network* menu consists of the following submenus: *RSS*, *Weather* and *IP Setting*.

First, connect the CAT5E (or better) cable to the RJ-45 Ethernet port on your receiver and the other end to the router.

Before you can use the Internet functions, you should check if the Internet connection was successful. To do so access the *IP Setting* menu. Use **▲▼** to highlight the desired menu and press **OK** to enter the menu. Press **◀** to exit.

7.7.1 RSS (Really Simple Syndication)

In this menu you can use RSS feeds (links) to read the latest news and news from various sources. Use **▲▼** to highlight the desired link and press **OK**. Now select a title or headline which you want to read. Within the individual messages, use **◀▶** to quickly switch between the different messages of an RSS source. If the content of a message exceeds a page, use **P+P-** to scroll the page. Press **◀** to leave the message. You can also delete, add or edit an RSS feed. Press the **GREEN Add** button to open the keyboard. Use **▲▼◀▶** and **OK** to enter. Use **P+/P-** for special characters within the keyboard. To save the RSS link you created, select *Save* and press **OK**.

7.7.2 Weather

In this menu you can check the weather of your region. Use **▲▼** to highlight *Weather* from the *Network* menu. If you are connected to the Internet, the *Weather* page will display details. Use the **YELLOW** button *City List* to open the selection of the most important Austrian and German cities. The default setting is Vienna.

Use **▲▼** or **P+/P-** to highlight the city of your choice and press **OK** to select it. You can also search manually for a desired place by pressing the **GREEN Change City** button. Use **▲▼◀▶** and **OK** to enter. Use **P+/P-** for special characters within the keyboard. To save the name, select *Save* and press **OK**. The **RED** button is used to update the weather data and the **BLUE** button to change the unit between Celsius and Fahrenheit.

7.7.3 IP-Setting

In this menu, you can set up or check the Internet connection.

By default *DHCP* is *ON*. Normally, this will automatically establish the connection. To test the Internet connection, select *SET* with the **▲▼** buttons and press **OK**. If this succeeds, a message appears and you can use the Internet functions of this receiver. If this does not work, check the cable or router or its Internet configuration. Alternatively, set *DHCP* to *OFF*. Then manually enter *IP Address*, *MASK*, *GATEWAY* and the *DNS* values with the **0-9** buttons. After entering these values, select *Save* and press **OK** to save.

8.0 TROUBLESHOOTING

There may be various reasons for abnormal operation of the receiver. Please check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact your local service line or STRONG dealer. Alternatively, you can send a support mail via our website: www.strong.tv. NEVER open or disassemble your receiver. This may cause a dangerous situation and will void the warranty.

Symptom	Cause	Remedy
The display on front panel does not light up.	The power adapter is not plugged in or power of an extension is switched OFF.	Check that the power adapter is plugged in to the wall outlet. Make sure power switch on the extension cable/distributor is in ON position.

Symptom	Cause	Remedy
No picture or sound	Wrong connection or setting of the Audio/Video output of the receiver to TV.	Connect the Audio/Video output of the receiver to TV correctly and check the adjusted settings in the menu <i>Settings>System Settings</i> .
	Audio muted.	Press the button on TV or receiver.
	TV power off.	Turn TV on.
No picture	The receiver can't receive the signal.	Check the antenna cable, replace the cable, or connect the cable to the receiver tightly.
	Incorrect values of some tuner parameters (e.g. one/some channel(s) changed to another TP).	Set the values of tuner parameters correctly in menu <i>Installation > Channel Search</i> . Helpful websites are: http://de.kingofsat.net/ http://www.lyngsat.com/
	Wrong direction of the antenna.	Check the signal with a spectrum analyser and adjust your antenna correctly or consult a specialist.
No access to scrambled services	Expired subscription.	Check your current subscription status in <i>CA Menu>Product Status</i> together with your service provider.
	ORF-DIGITAL-DIREKT not subscripted/activated.	To enjoy the complete range of channels and to watch your preferred scrambled services, please register with the enclosed registration form at ORF-DIGITAL-DIREKT. If you have further questions about your registration, you can directly contact the ORF-DIGITAL-Service-Hotline (0800 700 600). Please have your <i>Device-ID</i> (Gerätenummer) ready.
	Receiver awaiting activation respectively new authorisation.	When receiver was switched off/ disconnected from signal for longer it can take about 1-2 h until a valid subscription is activated again.
	No subscription for the selected channel or activation not possible	Switch to another channel respectively remove channels (which cannot be activated) from the channel list
The remote control does not work	The batteries of the remote control are not inserted, wrongly inserted or exhausted.	Check whether the batteries are inserted correctly or exhausted, if so replace the batteries in the remote control.

Symptom	Cause	Remedy
The USB storage device is not working properly.	Formatted incorrectly. Bigger sized HDD connected. USB 1.1/3.0 device connected.	Format USB device by PC to FAT 32. Bigger size HDD or HDDs with more partitions might need longer time to be detected. The receiver might not work properly with such an USB device respectively functionality with all available USB devices can't be guaranteed.
The receiver switches to Standby automatically.	Auto Standby function is activated and reached the adjusted time (default 3h).	In the menu <i>Settings >System Settings</i> you can adjust the Auto Standby time or disable it.

9.0 TECHNICAL SPECIFICATIONS

Demodulator

Demodulation:	QPSK, 8PSK (Embedded in main-chipset)
Input symbol rate:	1 ~ 45 Mbaud for DVB-S2
	Inner code rate 1/2, 2/3, 3/4, 5/6, 7/8
	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10

Video Decoder

Profile level:	MPEG-4 H.264/AVC
Aspect ratio:	4:3 and 16:9, Pan & Scan, Letterbox, Combined
Frame rate:	PAL and NTSC
Video output:	Scart: 576i, RGB, CVBS with CGMS-A HDMI: 576i, 576p, 720p, 1080i, 1080p with HDCP

Audio Decoder

Audio decoding:	MPEG Layer 1 & 2, Dolby Downmix
Audio mode:	Mono L/R, Stereo
Audio support:	Dolby Digital Plus*
Transcoding for HDMI and S/PDIF:	Dolby Digital Plus to Dolby Digital

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

Tuner

Connector:	Type1 F Type, IEC169-24, Female
Tuner Chipset:	Integrated in main processor MSD 7S75
Input frequency range:	950 – 2150 MHz
RF impedance:	75 Ohm unbalanced
Signal level:	-65 dBm ~ -25 dBm
LNB power:	13/18 V DC (+/- 1 V), 400 mA, overload protected
DiSEqC version:	1.0, 1.1, 1.2, GOTO X and SatCR supported

System and Memory

Main processor:	MSD 7S75
Connections	
SAT IN	
Ethernet	

HDMI
TV SCART
Digital Audio S/PDIF (coaxial)
IR
USB 2.0, Type A 5 V/500 mA (max.)
DC main power (12 V/1.5 A)

General Data

Power supply:	100 - 240 V AC, 50/60 Hz
Input voltage:	12 V DC, 1,5 A
Power consumption:	max. 18 W
Power consumption in standby:	max. 0,5 W
Operating temperature:	0° C to +40° C
Storage temperature:	-10° C to +70° C
Operating humidity range:	10 % - 95 % RH, non-condensing
Size (W x D x H) in mm:	168 x 105 x 40
Weight in kg:	0.29