STRONG

Digital Terrestrial Receiver SRT 1189

Picture similar

User Manual

1000 Channels | TV Info | Subtitles | Tele Text | 8 Favourite lists | Parental Lock | eco standby

DVB Digital Video Broadcasting

www.strong.tv

Fig. 1

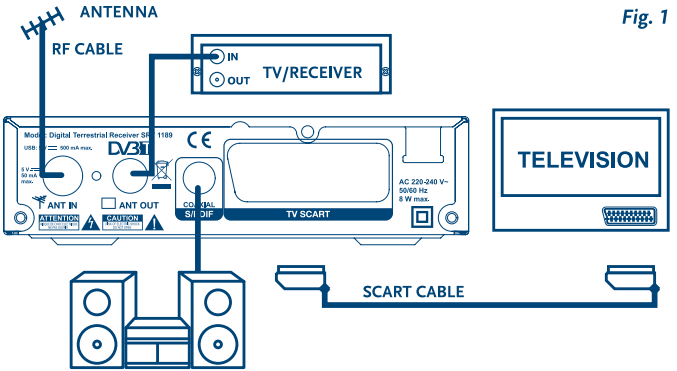


Fig. 2

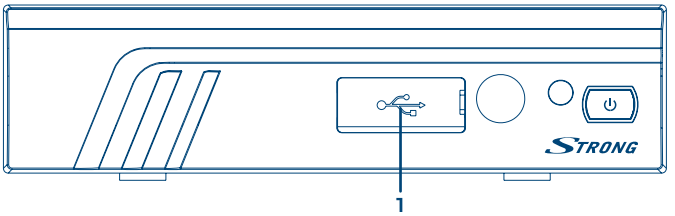


Fig. 3

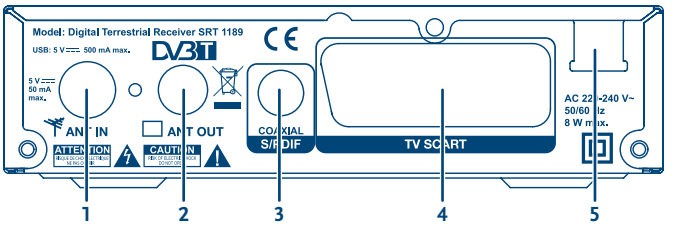
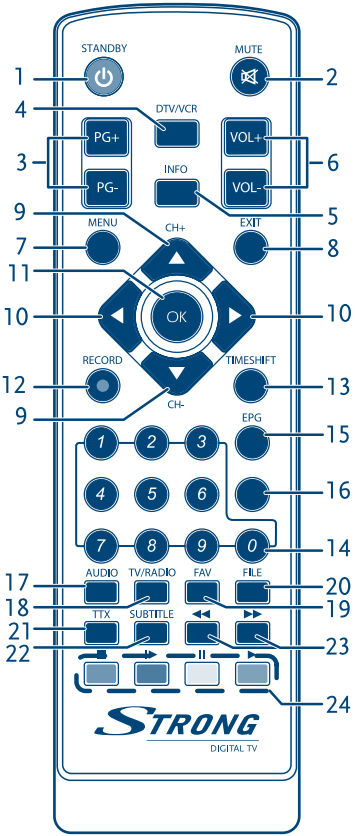


Fig. 4


STANDBY
MUTE
1
2
4
DTV/VCR
PG+
VOL+
3
6
INFO
PG-
VOL-
9
5
MENU
CH+
EXIT
7
8
11
OK
10
10
RECORD
TIMESHIFT
12
13
CH-
9
EPG
15
1
2
3
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5
6
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AUDIO
TV/RADIO
FAV
FILE
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20
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TTX
SUBTITLE
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11 Feb 2015 17:18

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
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1.0 INSTRUCTION

1.1 Safety Instructions

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of not isolated dangerous voltage with the inside of the product that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

Read All Instructions – Before you use the product, read all operation instructions. For more information on accessories such as the lithium ion battery, refer to the manuals provided with those products.

Save These Instructions – Save all safety and operating instructions for future reference.

Heat Warnings – Read carefully and follow all warning labels on the product and those described in the instructions.

Follow Instructions – Follow all instructions provided with this product.

Cleaning – Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.

Attachments – For your safety and to avoid damaging the product, use only accessories recommended by STRONG.

Water and Moisture – Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement, swimming pool or in the rain).

Location – To avoid damage to the product and prevent personal injury, never place this product on an unstable stand, tripod or bracket. Follow the instructions that describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer.

Power Sources – Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company. Refer to the instruction pages for information on using the product with a battery.

Grounding, Polarization – If this product is used with a specified AC adapter, the adapter may be equipped with a polarized alternating current line plug (a plug with one blade wider than the other). This safety feature allows the plug to fit into the power outlet only one way. If you cannot insert the plug into the wall outlet, pull it out, reverse it, and have the receptacle replaced.

Protecting the Power Cord – The power supply cord should be placed so it will not be walked on. Never put a heavy object on the power cord or wrap it around the leg of a table or chair. Keep the area around the power cord connection points, at the power outlet, and at the product connection, free of all AC adapter or accessory power cords.

GENERAL PRECAUTIONS – SAFETY PRECAUTIONS

Lightning – If a lightning storm occurs while using a specified AC adapter, remove it from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the receiver when the receiver is not in use.

Overloading – Never overload wall outlets, extension cords, power strips, or other power connection points with too many plugs.

Foreign Objects, Liquid Spillage – To avoid personal injury caused by fire or electric shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage.

Heat – Never use or store this product near any heat source such as a radiator heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers.

Servicing – Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.

Damage Requiring Service – If you notice any of the conditions described below while using a specified AC adapter, unplug it from the wall outlet and refer servicing to qualified service personnel:

1. Liquid has been spilled onto the product or some other object has fallen into the product.
2. The product has been exposed to water.
3. The product does not operate normally despite following operating instructions. Adjust only the controls described in the operating instructions ad improper adjustment of other controls could damage the product and require extensive repair word by a qualified technician.
4. The product has been dropped or damaged in any way.
5. The product exhibits distinct change in performance.

Replacement Parts – When replacement parts are required, make sure that the authorized service centre uses only parts with the same characteristics as the originals, as recommended by the manufacturer. Unauthorized substitution of parts could result in fire, electric shock, or create other hazards.

Safety Check – Upon completion of servicing or repairs, ask the service technicians to perform safety checks to determine that the product is in good working order.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Where the mains plug or all-pole mains switch is used as the disconnect device, the disconnect device shall remain readily operable.

1.2 Storage

Your receiver and its accessories are stored and delivered in a packaging designed to protect against electric 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 these instructions carefully:

- Refer to the user manual of your TV and your antenna.
- Make sure that the SCART cable and outdoor components of the antenna are in a good condition and the SCART connections are well shielded.

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

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

1.4 Accessories

- 1 user manual
- 1 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 1.1 or 2.0 storage devices. If your device is not compatible to USB 1.1 or 2.0 specifications, playback and other multimedia functions of the receiver would not work properly.
- STRONG cannot guarantee compatibility with all types of USB storage devices.
- If you are going to use external USB HDD (Hard Disk Drive) please consider that the power specifications might exceed the supported output of your receiver (5 V/500 mA). If so, please connect your USB HDD to an according external power adapter.
- It is advised not to store important information on USB storage devices used with the receiver. Always make backups of data on USB storage device before usage with receiver. STRONG will not take responsibility for any loss of information or circumstances caused by loss of information.

2.0 CONNECTION

2.1 Connecting to TV and Terrestrial Antenna

Fig. 1

To receive broadcasted signals, the terrestrial antenna cable should be connected to the ANT IN connector at the back of the receiver.

2.2 Connecting to a Digital Audio Amplifier

Fig. 1

Connect your Digital Audio Amplifier with the S/PDIF connector on the back of the receiver.

3.0 YOUR RECEIVER

3.1 Front Panel

Fig. 2

1. **USB** — Connector for USB storage devices.
2. **IR sensor** — Point your remote control towards this sensor.
3. **Mode indicator** — RED indicates that the receiver is in STANDBY mode. GREEN indicates that the receiver is in OPERATING mode.
4. **Standby/On button** — Switch receiver ON to running mode or STANDBY mode

3.2 Rear Panel

Fig. 3

1. **ANT IN** — To connect an antenna for reception of broadcasting signal. Active antennas can be supported with max. 5 V/50 mA DC.
2. **ANT OUT** — To connect a TV set or to connect an extra receiver.
3. **S/PDIF Coaxial** — To connect your receiver to digital audio amplifier.
4. **TV SCART** — To connect your receiver with your TV set using a SCART cable.
5. **Power cord** — Your receiver requires a voltage of 220-240 V AC (Auto-selectable), 50/60 Hz +/-5%. Make sure to check the power specification before connecting your receiver to the wall outlet.

3.3 Remote Control

Fig. 4

1. ⏻ — Turns the receiver On/Standby
2. 🔇 — Mutes audio output of the receiver
3. **PG+/PG-** — Page up/down
4. **DTV/VCR** — No function
5. **INFO** — Shows the actual channel information
6. **VOL+/VOL-** — Volume up/down
7. **MENU** — Opens the main menu/In menu you will get one step back
8. **EXIT** — Exits from the menu or sub-menu
9. ▲▼ — Menu Off: Change channel to next/previous. Menu On: Moves the cursor up/down.
10. ◀▶ — Menu Off: Decreases/increases the volume level. Menu On: Change settings for specific Menus
11. **OK** — Menu On: Activates the highlighted menu item. Menu Off: Displays the current channel list
12. ● — No function
13. **TIMESHIFT** — No function
14. **0~9** — Channel selection or value input
15. **EPG** — Shows the EPG (Electronic Programme Guide) in TV mode
16. **RECALL** — Back to previous shown channel

17. **AUDIO** Sets the current audio channel to left, right or stereo
18. **TV/RADIO** Toggles between TV or RADIO mode
19. **FAV** Favourite group selection
20. **FILE** No function
21. **TTX** Shows Teletext on OSD (On Screen Display)
22. **SUBTITLE** Shows list of subtitled languages
23. ◀◀ ▶▶ Rewind/Fast forward of video files
24. **Coloured buttons** For Teletext and other functions

3.4 Default PIN: 0000

4.0 FIRST TIME INSTALLATION

When using the receiver for the first time, the "Easy Install" menu appears. Use ▲▼ to select *Region*, *OSD Language*, *Antenna Power* and *Scan Mode* and ◀▶ to select options. Then use the ▲▼ buttons to move the focus to *Search* and press **OK** to proceed with the automatic channel scan.

5.0 MAIN MENU

In viewing mode press **MENU** at any time to enter the Main Menu. It consists of the following submenus: *Channel*, *Installation*, *Setup*, *Tools* and *Media+*.

5.1 Channel

1. Use the ▲▼ buttons to select *Channel* and press **OK** to enter.
2. Use the ▲▼ buttons to highlight the item of choice and press **OK** to select.
3. Press **EXIT** to exit.

NOTE: You can also press **OK** in TV mode to enter the channel list.

5.1.1 TV Channel list

1. In the *Channel* submenu select *TV Channel List* with the ▲▼ buttons and press **OK** to enter.
2. Use the ◀▶ buttons to change channel group (assumed you have already set up favourite groups).
3. With the ▲▼ buttons select the channel you wish to watch. Press **OK** to watch the selected channel in full screen mode.

5.1.1.1 Edit

Use this menu to lock, skip, delete or rename channels or add them to a favourite list. Press the numeric button **1** to enter the *Edit* menu.
Highlight a channel with the ▲▼ buttons and press **OK** to select or press the numeric button **0** to select all channels. Selected channels will be marked. This way of selection can be executed for each of the edit functions.

Favor: To add a channel or all channels to a favourite group, press the **1** button. Use the ▲▼ buttons to select a group and press **OK**. With ◀▶ select *Yes* in the

confirmation window and press **OK** to save. Selected channels will be marked with a folder symbol.

Lock: Press **2** to lock one channel or all channels. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to save. The selected channel/s will be marked with the 🔒 symbol.

Skip: Press **3** to skip one channel or all channels. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to save. Selected channel/s will be marked with the ➥ symbol and will be skipped during channel zapping in full screen mode.

Delete: Press **4** to delete one channel or all channels. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to save.

Rename: To rename a channel press the button **5**. When all changes are made, press **EXIT** to leave the menu.

5.1.1.2 Find

Press the button **2** to enter the *Find* menu.
Use the ▲▼◀▶ buttons to highlight letters or numbers and press **OK** to insert. After each character, the channel list will search the channel according to your input and list the matching channel. Press **EXIT** to quit the *Find* mode.

5.1.1.3 Sort

Press the button **3** to enter the *Sort* menu.
Use the ▲▼ buttons to highlight the sorting option of your choice and press **OK** to confirm.

Default: Sorting by searching order (from lowest to highest frequency).
Name (A-Z): o: Sorting in alphabetical order.
Name (Z-A): Sorting in alphabetical order.
FTA: Free-To-Air channels will be first in the list.
Lock: Unlocked channels will be listed first, followed by all locked channels.

5.1.1.4 Move

Press the button **4** to activate the *Move* function.
The selected channel will be marked with the ↑↓ symbol. Use the ▲▼ buttons to move the selected channel to its new position. Press **OK**, use ◀▶ to select *Yes* in the confirmation window and press **4** to save.

5.1.2 Radio Channel List

The operation of the *Radio Channel List* is the same as of the *TV Channel List*. Since there is no video information in radio mode, the radio background will be displayed in the preview window on the right.

5.1.3 Delete all favourites and groups

Use this menu to delete all favourite channels. Select *Delete All Favourites* with the ▲▼ buttons and press **OK**. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to delete or select *No* to cancel.

5.1.4 Delete all

Use this option to delete all channels. Select *Delete All* with ▲▼ and press **OK**, then enter the password (**Default PIN: 0000**). In the confirmation window select *Yes* with ◀▶ and press **OK** to delete or select *No* to cancel.

5.1.5 Rename group

In this menu you can change the name of favourite groups. Use the ▲▼ buttons to select *Group Rename* and press **OK** to enter.

1. Select a group with ▲▼ and press **OK**.
2. Use the ▲▼◀▶ buttons to navigate the on screen keyboard. Highlighted characters can be inserted by pressing **OK**. After entering the new group name, highlight *OK* at the keyboard to confirm3.
   Press **EXIT** to cancel the group rename.

5.2 Installation

5.2.1 Auto Scan

1. Use the ▲▼ buttons to select *Installation* and press **OK** to enter the menu.
2. Use ▲▼ to select *Auto Scan* and press **OK** to enter the menu.
3. Change the Scan mode with ◀▶. Use ▲▼ to highlight *Search* and press **OK** to start auto scan.

5.2.2 Channel Scan

1. Use the ▲▼ buttons to select *Installation* and press **OK** to enter the menu.
2. Select *Channel Scan* with ▲▼ and press **OK** to enter.
3. Use the ◀▶ buttons to select scan mode – *By Channel* or *By Frequency*.
4. When *By Channel* is selected use the cursor buttons to select *Scan Band* and *Channel No*. When *By Frequency* is selected use the cursor buttons to select *Frequency* and *Bandwidth*. Set *Network Search* to *ON* or *OFF*, highlight *Search* and press **OK** to start scanning. Found channels will be stored and the receiver will switch to the first channel in the list.

5.2.3 Antenna Setting

1. Press **MENU** to enter the main menu.
2. Use the ▲▼ buttons to select *Installation* and press **OK** to enter the menu.
3. Select *Antenna Setting* with ▲▼ and press **OK** to enter.
4. Use the ◀▶ buttons to change the setting. If *On* is selected, the receiver will provide 5 V antenna power (for active antennas).
5. Press **EXIT** button to exit.

5.2.4 LCN Mode

If LCN (Logical Channel Numbering) is activated and LCN signal is provided by the operator, channels will be stored in the operator defined order. You can activate/deactivate the LCN function by setting the *LCN Mode* to *ON* or *OFF*.

5.3 Setup

This menu allows you to set *OSD Language*, *Subtitles preference*, *TV System*, *Region and Time*, *Timer Setting*, *OSD Setting* and *Parental Lock*.

1. Use ▲▼ to highlight the menu of choice and press **OK** to proceed. Select an item with ▲▼. Settings can be changed with the ◀▶ buttons. To get a better overview of the possible settings, press **OK** first. Now you can select settings with ▲▼ and confirm with **OK**.
2. Press the **EXIT** button to exit.

5.3.1 OSD Language

This menu allows you to set the OSD Language.

5.3.2 Subtitles preference

This menu allows you to set the preferred *Subtitles Language* and to switch *Subtitles Type* between *Normal* and *Hard of Hearing*.

5.3.3 TV System

This menu allows to setup different settings concerning your TV set.

Display Mode:	PAL/NTSC/AUTO
Aspect Ratio:	Use this menu to configure the screen aspect. Possible settings are: *4:3PS (Pan&Scan), 4:3LB (Letter Box), 16:9 (Wide Screen)* and *AUTO*.
Video Output:	Use this menu to switch the video output mode between *RGB* and *CVBS*.

5.3.4 Region and Time

Here you can set your region and time zone.

Region:	This menu is used for changing the region setting.
GMT Usage:	This setting allows you to switch the usage of GMT time on or off. The options are: *Off/User Define/By Region*.
GMT Offset:	This menu is valid only when *User Define* is selected in *GMT Usage* menu. The GMT offset range is *-11:30 ~ +12:00*, increasing by half hours progressively.
Date/Time:	The *Date* and *Time* menus are valid only when *Off* is selected in *GMT Usage* menu. Press *OK* followed by numbers to change the date and time.
Time Display:	This menu allows to control whether the time is displayed on screen or not. The options are: *Off/On*.

5.3.5 Timer Setting

In this menu you can set a programme timer or sleep timer.

Programme timer

Timer Number:	You can set up to 8 timers
Timer Mode:	*Off/Once/Daily/Weekly/Monthly*
Timer Service:	*TV Service/Radio Service*
Wake-up Channel:	You can select any channel as wake-up channel.
Month/Date/Day:	Use ▲▼ to select the start month, date and day.

Time: Press **OK** to input the time with the numeric buttons. When you leave the programme timer, a saving window appears. Use ◀▶ to select *Yes* in the confirmation window and press **OK** to save or select *No* to cancel.
Duration: Press **OK** to input the timer duration with the numeric buttons.

Sleep Timer
You can set the receiver to power OFF in *10 min, 30min, 60min, 90 min* and *120 min* automatically.

5.3.6 OSD Setting
This menu allows you to change settings for: *Subtitle Display*, *OSD Transparency* and *Load Default OSD Setting*.
Subtitle Display: To set the subtitle to *Standard* or *OFF*.
OSD Transparency: To set the OSD transparency from *Off ~ 50%*.
OSD Timeout: To define how long the information banner is to be shown *(5S~10S)*
Load Default OSD Setting:
To clear all OSD settings and reset to default value.

5.3.7 Parental Lock
This menu allows you to protect the installation menu or channels with a password. You can also change the password here. When entering the menu you will be asked to input the password **(Default PIN: 0000)**.
Menu Lock: Locks the channel scan installation menus. You can set the menu lock to *ON/OFF*.
Channel Lock: *Off/Manual/Age: 4 - Age: 18*
New Password: Input your new password here to change the password.
Confirm Password: Input your new password again to confirm the new password.

5.3.8 Auto Standby
This option allows you to enable or disable *Auto Standby*. The default setting for *Auto Standby* is *ON*. The receiver will switch to standby automatically when it doesn't receive commands from the remote control for three hours. To avoid the automatic switch off, set *Auto Standby* to *OFF*.

5.4 Tools
Press **MENU** to enter the Main Menu. Select *Tools* with the ▲▼ buttons and press **OK** to enter.
1. Use ▲▼ to highlight the menu of choice and press **OK** to enter.
2. Press **EXIT** to leave.

5.4.1 Receiver Information
This menu displays relevant receiver information like the receiver model, software version, signature, and our website www.strong.tv
1. In the *Tools menu*, select *Receiver Information* and press **OK** to open receiver information.
2. Press **EXIT** to leave.

5.4.2 Game

This menu allows you to play games (Tetris, Snake and Othello) on this receiver.

1. Select "*Game*" in the *Tools menu* and press **OK** to enter the game menu.
2. Use ▲▼ to select a game, and press **OK** to enter the game. Highlight *Start* and press **OK** to start the game. For changing levels highlight *Setup* and use the ◀▶ buttons.
3. Press **EXIT** to quit the game.

NOTE: You can also press **OK** to pause playing.

5.4.3 Load Factory Default

This option allows you to reset the receiver to factory settings, which clears all stored channels and settings.

WARNING: This option will permanently delete all your settings and channel lists and set your receiver to factory default! Please use with caution.

1. Enter the *Tools* menu, select *Load Factory Default* and press the **OK** button. You are asked to input your password.
2. Input the correct password using the numeric buttons **(Default PIN: 0000)**. A confirmation window will be displayed.
3. Select *Yes* to return back to the factory settings and clear all channels. Select *No* to cancel.
4. Press the **EXIT** button to exit.

5.4.4 Software Upgrade

1. Enter the *Tools* menu, select *Software Upgrade* and press the **OK** button. The *Software Upgrade* menu is shown.
2. Use ▲▼ to select *Upgrade by Storage* and press **OK**. You are asked to input a password.
3. Input the correct password **(Default PIN: 0000)**. The *Software Upgrade* submenu will be opened. Then select the correct software file and press **OK** to start. A message will be displayed to confirm the update process. Select *Yes* to confirm or *No* to cancel.
4. Press the **EXIT** button to leave.

WARNING: After an update the receiver restarts automatically! During this process NEVER disconnect the receiver from the mains or switch OFF the power! This can damage your receiver and will void the warranty.

NOTE: This receiver is equipped with an over the air update function, which might not be operational in your broadcast region. For further details visit our website www.strong.tv or contact your local Service line.

5.5 Media+

Select *Media+* and press **OK** to enter the *Media+* menu.

1. Press **MENU** to enter the main menu. Select *Media+* and press **OK** to enter the menu.
2. Use ▲▼ to highlight the menu of choice and press **OK** to enter.
3. Press **EXIT** to leave *Media+*.

Use the two button rows on the bottom of your remote control for player operation. A help screen showing how to use the buttons will be displayed on screen.

5.5.1 Media Player

This function allows you to play MPEG-1 and MPEG-2 video, audio and photo files from a connected USB device.

1. In the *Media+* menu, select *Media Player* and press **OK** to enter the menu.
2. Use ▲▼ to select an item, and press **OK** or ▶ to play the files.
3. Press **EXIT** to quit.

5.5.2 Safely Remove Storage Device

In the *Media+* menu, select *Safely Remove Storage Device* and press **OK** to safely remove the USB device. A message indicating that the device can be removed will be displayed.

6.0 OPERATION

We at STRONG understand that you can't wait to enjoy your new digital terrestrial receiver. To turn your receiver ON or to Standby, use the ⏻ button on the remote control or on the front panel. Choose channels with the ▲▼ buttons. Alternatively, you can digit 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 the ◀▶ buttons.

6.1 Changing Channels

There are 4 ways of channel selection: stepping through the channel list, selection by number, from the on-screen channel list and using the Electronic Programme Guide (EPG).

Stepping through the channel list
To move through the channel list, use the ▲▼ buttons on the remote control.

Selection by direct channel number input
Enter the channel number directly by using the numeric buttons, and press the **OK** button to select the channel.

Selection by on screen channels list
You can also select a channel directly from the on screen channel list. To call up the channel list, press **OK** in viewing mode. Alternatively, the list can be displayed using the receiver's main menu. See chapter **5.1.1 TV Channel list** in this manual for operation details.

Selection via EPG
You can also select a channel directly from the Electronic Programme Guide (EPG). To display the EPG, press **EPG** on the remote control. See chapter **6.2** below for details.

6.2 Accessing the Electronic Programme Guide (EPG)

1. Press **EPG** to enter the EPG menu.
2. Use the numeric button **2** to switch the highlight between channel list, events schedule of the selected channel and now/next events.
3. In the event schedule, press the numeric button **3** to book a timer for the highlighted event. Press **OK** to open the *Detail menu* for the selected event.
4. Press the numeric button **1** to open the booking list menu.

6.3 Accessing the favourite channels

1. In viewing mode, press **FAV** to enter the favourite group menu.
2. Use ▲▼ to select a favourite group.
3. Press **OK** to enter the favourite channels list and use ▲▼ to select a channel.

7.0 TROUBLE SHOOTING

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 local service line or STRONG dealer. Alternatively you can send a support mail via our website: **www.strong.tv. DO NOT** open the receiver cover. It may cause a dangerous situation and will void the warranty.

Problem	Possible cause	What to do
LED indicator not lit	Mains lead unplugged	Check mains plug
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area Active antenna requires to switch ON antenna power/ external power	Check aerial lead Check aerial Check with dealer Switch receiver's Antenna Power ON/ connect external power
No picture or sound on TV	Scart/ AV is not selected on your TV TV is not switched on	Switch to correct TV input Switch TV 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		Contact local Service Hotline or send email to our Support via www.strong.tv

Problem	Possible cause	What to do
After moving the receiver to another room / area you are no longer able to receive digital reception	Antenna signals are too weak	Press the **INFO** button on remote 3x to call up signal bars and adjust antenna for (maximum) reception or rescan channels
The receiver switches off automatically.	Auto Standby function enabled.	Disable auto standby. See section **5.3.8** for details.

8.0 SPECIFICATIONS

Demodulator

Demodulator:	COFDM; 16 QAM/64 QAM
Transmission mode:	2 K - 8 K

Video Decoder

Profile level:	MPEG2 MP@ML
Video resolution:	720 x 576 pixels (PAL), 720 x 480 (NTSC)
Decoding & Video Out:	PAL & NTSC
Aspect ratio:	4:3, 16:9

Audio Decoder

MPEG MusiCam Layer II	
Sampling rate:	32, 44.1, 48 KHz
Audio mode:	Stereo, Joint Stereo, Dual Mono, Mono

Tuner

Front End:	DVB-T, UHF & VHF Tuner
Input frequency range:	174 ~ 230 MHz (VHF) and 470 ~ 862 MHz (UHF)
Loop through frequency range:	47 ~ 862 MHz
Input signal level:	-20 ~ -82 dBm

Multimedia

Video playback:	MPEG-1 and MPEG-2 encoded (mpg)*
Audio playback:	MP3 and WMA*
Picture view:	JPEG and BMP*

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

Memory and System

Flash memory:	1 MB
SDRAM:	8 MB

Connectors

ANT IN - IEC Female
ANT OUT - IEC Male
TV SCART (RGB, CVBS)
S/PDIF: coaxial output
USB 1.1 port, max. 5 V/ 500 mA

General Data

Supply voltage:	220 - 240 V AC (SMPS), 50/60 Hz
Power consumption:	3.13 W (typ.), 8 W (max)
Power consumption in standby:	max. 0.5 W
Operating temperature:	0 ~ +40 °C
Storage temperature:	-10 ~ +50 °C
Operating humidity range:	10~85%, RH, Non-condensing
Size (WxDxH) in mm:	138 x 112 x 40
Net-weight:	0.315 kg