

Picture similar

Digital Satellite Receiver with Embedded CryptoWorks SRT 6502

User Manual

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1.0 INTRODUCTION

1.1 Overview

This satellite receiver was designed for Digital satellite receiver with CryptoWorks embedded. It enables you to tune in on the hundreds of digital te

technology. It performs numerous functions to provide you with a variety of services.

1.2 Main Features

- Embedded Smartcard Reader to watch programmes encrypted by CryptoWorks Conditional Access*
- For all digital Free-To-Air TV and Radio channels via satellite
- Pre-programmed with most popular channels
- Excellent Audio & Video quality
- Quick and easy installation & user-friendly menu
- Over 3 000 TV channel memory capacity and 1 000 radio channel memory capacity
- Digital sound through coaxial output (S/PDIF) by connecting to digital amplifier
- Parental lock function for menu and selectable per channel
- 5 Favourite lists for TV-and Radio channels
- Teletext via receiver and TV remote control
- Display showing channel number or time
- Power switch
- Electronic TV Programme Guide (EPG) for on screen programme information of present/following event information up to 4 days
- Subtitle and Timer function (sleep, awake)
- Multi-lingual audio track support
- Multi-lingual support on screen menu (OSD), such as English, German, Czech, Slovak, Hungarian, Bulgarian, Turkish
- Edit function for TV and radio programme name, favourite group name, and transponder information
- Future-proof: Software update via satellite (OTA)
- Signal strength bar for digital transponders
- Automatic and manual channel scan options
- Power on with last viewed channel
- User-friendly remote control with coloured function buttons (Infrared up to 7 metres)
- Supports DiSEqC 1.0 and DiSEqC 1.2
- PAL/ NTSC/ SECAM compatible
- Connectors: SAT IN, SAT OUT, 1 TV SCART (RGB,CVBS, Y/C, Audio), 1 VCR SCART (CVBS, Y/C, Audio), 2 RCA (Audio L&R), coaxial Digital Audio: S/PDIF, Separate power switch

* Precondition is an activated and valid CryptoWorks smartcard

2.0 SAFETY/PRECAUTIONS

2.1 Safety Instructions

DO NOT INSTALL YOUR RECEIVER:

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

DO NOT EXPOSE THE RECEIVER OR ITS ACCESSORIES:

- To direct sunlight or near any other equipment that generates heat; to rain or intense moisture; to intense vibration or to any shock which may cause permanent damage to your receiver or to any magnetic objects, such as loudspeakers, transformers, etc.
- Do not use a damaged power cord. It may cause a fire or an electrical shock. Do not touch the power cord with wet hands. It may cause an electric shock

- Never open the cover. It is dangerous to touch the inside of the receiver due to high voltage, currents and possible electrical hazards. Your warranty will be void if the receiver has been opened
- When the receiver is not used for a long period of time, you should switch OFF the receiver (Power Switch) and unplug the power cord from the wall socket
- Do not use alcohol or ammonia based liquids to clean the receiver. If you wish, you may clean your receiver with a soft lint-free cloth slightly made damp with a mild soap solution, only after disconnecting from the main power supply. Make sure no foreign objects fall through the ventilation slots because this could cause fire or an electric shock
- Do not place any objects on top of the receiver because this might prevent proper cooling of the components inside

Safety Precautions

- Do not open the receiver cover, as you will be exposed to a shock hazard. It will also void your warranty. Refer all maintenance or servicing to qualified personnel
- When you are connecting the cables, be sure that the receiver is disconnected from the main power supply. Wait a few seconds after switching off the receiver before you move the receiver or disconnect any equipment
- It is a necessity that you only use an approved extension and compatible wiring that is suitable for the electrical power consumption of the installed equipment. Please ensure that the electrical power supply corresponds with the voltage on the electrical identification plate at the back of the receiver

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

2.2 Storage

Your
When un
from one
accessories. Failing to comply with such packaging procedures could void your warranty.

2.3 Equipment Set-up

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

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

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

 **Warning** Indicates warning information.

 **Tips** Indicates any other additional important or helpful information.

MENU Represents a button on the remote control or the receiver

Move to Represents a menu item within a window

3.0 ACCESSORIES

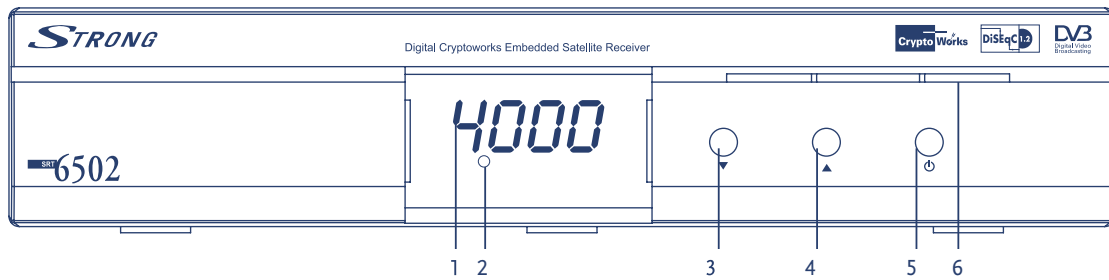
The following have been packed in your receiver box:

- User's manual: 1 Pc.
- Remote control: 1 Pc.
- Batteries (AAA Type): 2 Pcs.

 **Note:** If any accessory listed above is missing, contact the point of purchase.

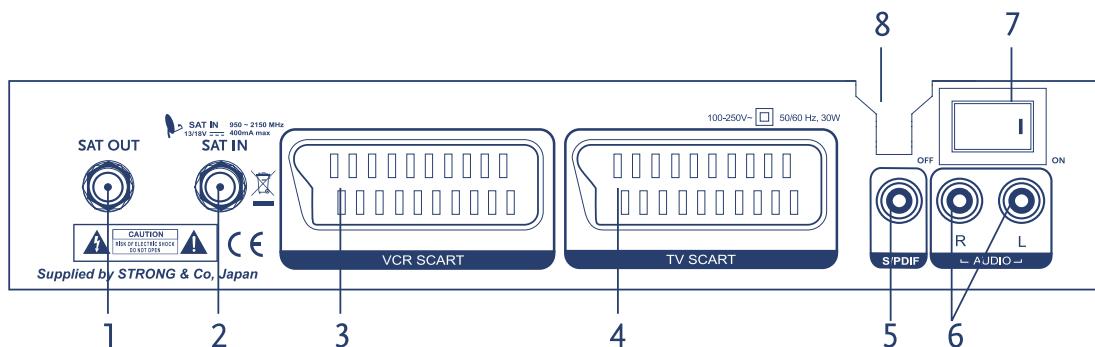
4.0 CONTROLS/FUNCTIONS

4.1 Front Panel



1. **LED (4 Digit)**
Displays the time in “Stand-By” mode and the channel number when the unit is operating.
2. **IR Sensor**
Detects the infra-red command signals generated by the remote control handset
- 3 & 4. **Channel ▲ & ▼**
Move the cursor Up or Down in an application screen or change channels sequentially Up or Down in normal operation.
5. **Power Button**
Switches the receiver between “Stand-By” and “On” modes
6. **Smart card reader**
Insert your CryptoWorks smart card with golden contacts facing down.


4.2 Rear Panel




1. **SAT OUT**
Gives you the possibility to connect an extra receiver (analogue or digital).
2. **SAT IN**
Connect the cable from your LNB on the satellite dish to this connector.
3. **VCR SCART**
To connect your receiver to your video recorder using a scart cable. Your video signal will now be looped through your receiver to your TV set.
4. **TV SCART**
To connect your receiver to your TV set using a SCART cable.
5. **S/PDIF Digital audio output**
Use this coaxial output to connect your receiver to the input of your digital audio amplifier
6. **AUDIO-R and AUDIO-L**
Audio Right (RED) and Audio Left (White) RCA connectors to connect to audio amplifier
7. **Power On/Off switch**
8. **Power Cord**
Your receiver requires a current of 90 - 250 V AC (Auto-selectable), 50/60 Hz +/-5%.
Make sure to check the power specification before connecting your receiver to the wall outlet.

4.3 Remote Control



1. **Power** 

Switches the receiver between Stand-By & On modes
2. **Mute** 

Mutes the audio output
3. **Numeric Keys (0~9)**

For direct entry of channel number or input of alphanumeric characters
4. **FAV**

Displays the current favorite channels list
5. **INFO**

Displays the available information on the viewed channel
6. **SETUP**

Accesses the receiver set-up menu
7. **RECALL**

Goes back to the previously viewed channel
8. **TEXT**

Displays the teletext contents of the viewed channel, if teletext is transmitted
9. **EPG (Electronic Program Guide)**

Provides program content information. Press again to return to viewing mode
10. **CH ▲/▼**

Change channels sequentially up or down in viewing mode and move the cursor up or down in an application screen
11. **VOL ◀/▶**

Alter the audio output level up or down in viewing mode and change the selected item's setting in an application screen
12. **OK**

Selects an item or confirms a choice
13. **MENU**

Accesses the main menu
14. **EXIT**

To return to previous status or menu
15. **TV**

Switches to TV channel list
16. **LANG**

Select sound mode or audio language
17. **RADIO**

Switches to Radio channel list

5.0 USING THE REMOTE CONTROL

5.1 Batteries

How to insert the batteries

- Open the cover at the top of the rear side of the handset
- Insert two 'AAA' type batteries (1.5 V), respecting the indicated polarity +/- signs
- Close the cover

When to replace the batteries

- When the operational range of the handset gets smaller, or when the receiver no longer responds to each and every command. Always replace both batteries at the same time.

Accident prevention

- Do not recharge, heat or disassemble the batteries
- Make sure the intended polarity alignment is respected
- If the handset is not going to be used for some time, take the batteries out. If not, the batteries may leak and cause damage to the handset

5.2 Range Of Operation

-
- Transmission distance does not exceed 7m

**Note:**

When the handset is not operational

Replace the batteries and make sure the receiver is connected to the power supply

**Note:**

Abnormal operation

Disturbance from peripheral devices may occur. You will need to move the object that is generating the disturbance.

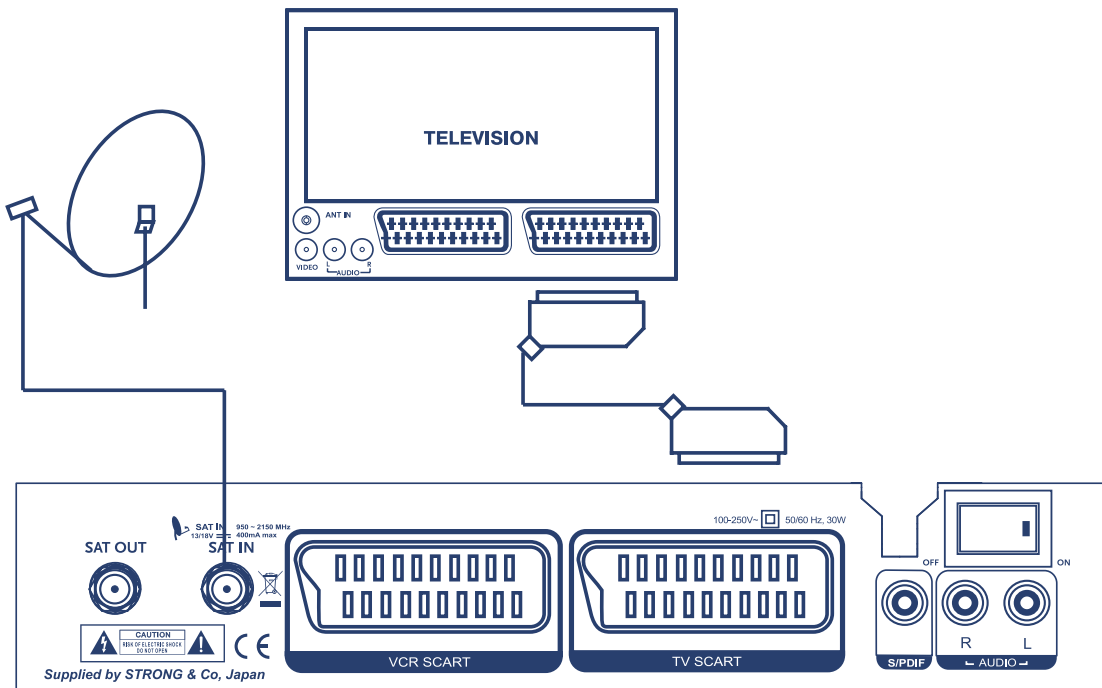
**Note:**

Notes for handling

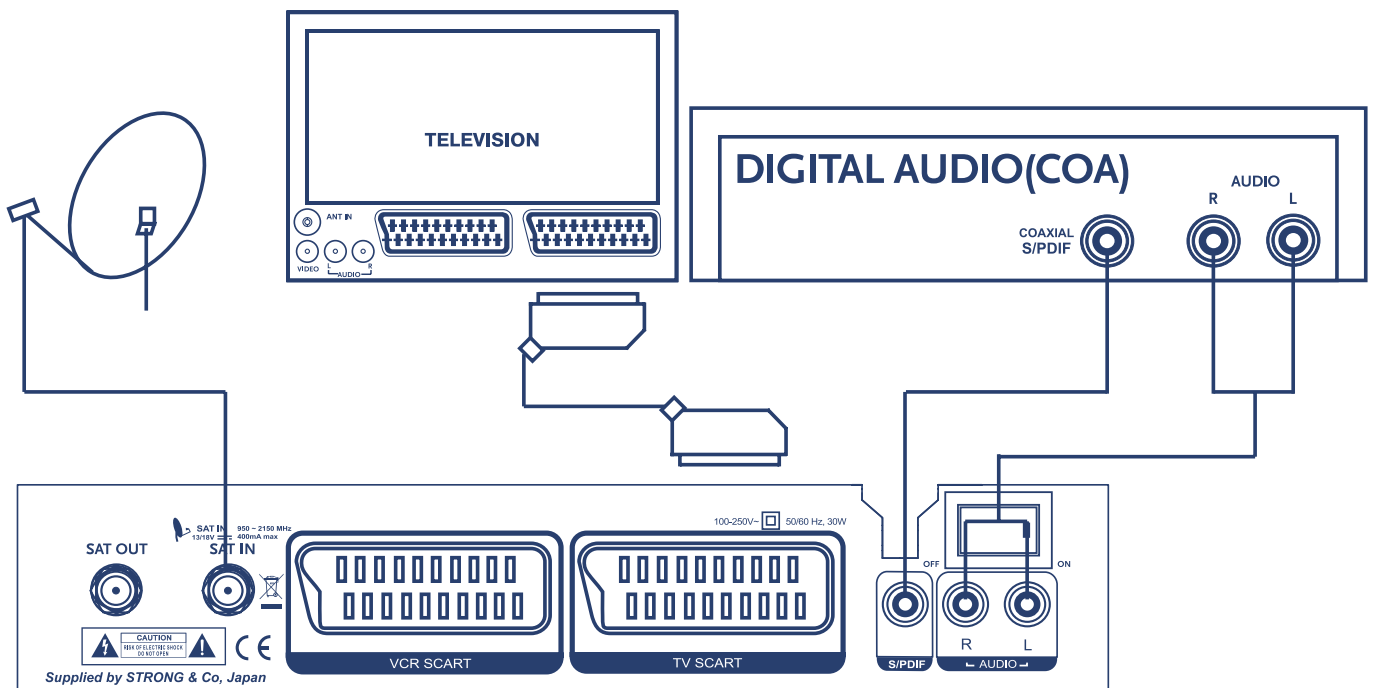
In the event the receiver is exposed to heat or water, operating it could be dangerous. Have the unit checked by a qualified technician prior to operating it again

6.0 CONNECTING THE RECEIVER

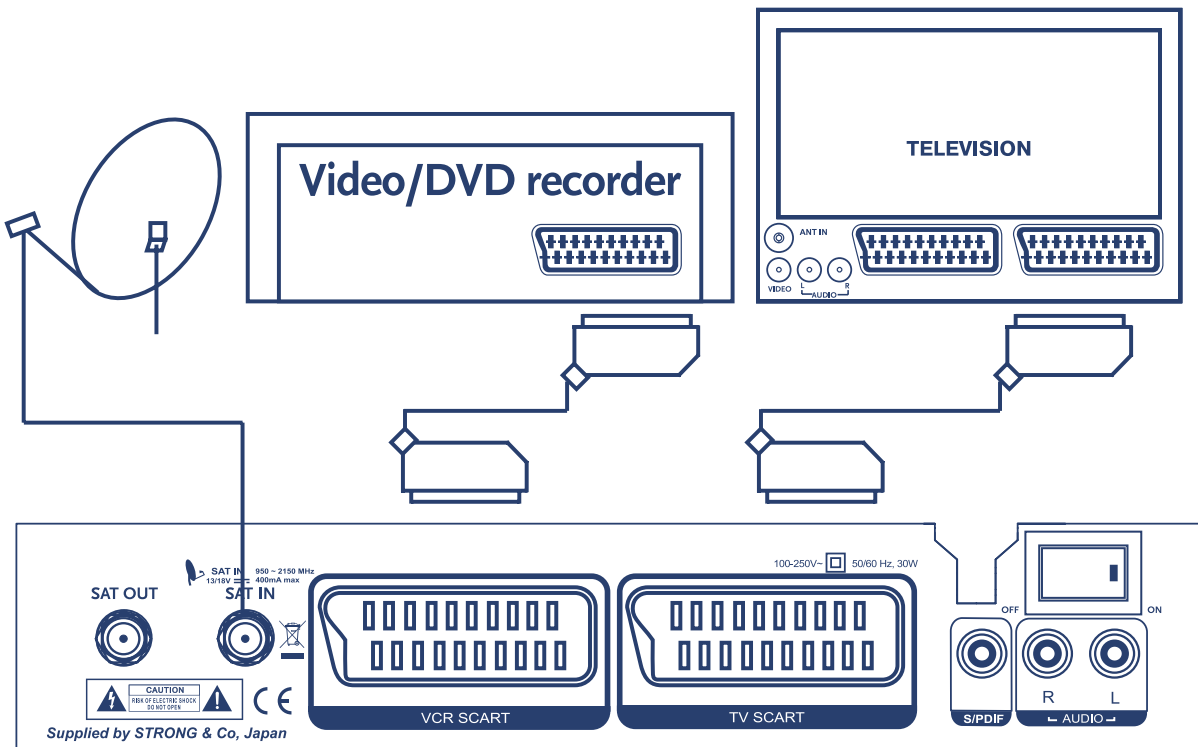
6.1 To a TV set, using TV SCART connection.



6.2 To a Hi-Fi system and a TV set, using both A/V connections



6.3 To a Video or DVD recorder and a TV set, using both SCART connections



7.0 STARTING UP FOR THE FIRST TIME

Ensure that all connections are done in correct way. If you are not sure about this then ask your local Strong dealer to check your installation or satellite signal. . Check

Once you start the receiver for the first time a country selection dialog will be displayed. Select your country from the list using **VOL** ◀/▶ buttons. If your country is not in the list select “Other”.

After selection of country a specific settings for selected country will be loaded.

For each country we have pre-loaded most popular channels.

If your antenna is primed to your selected satellite, you will get a picture and sound on your TV, otherwise the message “Invalid or no signal” will appear on your TV screen.

In this case do following steps:

1. Press **OK** button on your remote control. Channel list will be displayed
2. Press **EXIT** button. This will move focus to the field with name of satellite
3. Using **VOL** ◀/▶ buttons select satellite where your antenna is pointed and press **OK**
4. Focus will be moved back to channel list. Select channel of your choice and press **OK** button to confirm.

It ca

installation as described below in “8.2 Setup menu”. See “8.2.2 Antenna setup” and “8.2.3 Channel search”.

8.0 SETUP AND OPERATION

8.1 Before Setup

Information

A menu is a field of text, displayed on the TV screen. Selectable menu items are generally highlighted. Items that are not highlighted cannot be selected. Most menus display explanatory information at the bottom of the screen.

8.2 Setup Menu

To install the receiver properly you have to perform a “Setup Procedure”. After you finish the setup procedure, you can start watching TV or listening to Radio. During the basic settings, the short information is displayed at the bottom of the menu screen.

- Turn on your TV and receiver
- Press the **SETUP** button to display the setup mode. You will be asked to enter PIN code. Using numeric buttons enter PIN code “1234”. This is default PIN code and it can be changed later, as described in “Setup Lock/PIN”
- Use the **CH ▲/▼** and **VOL ◀/▶** buttons to move across a menu page
- When you have reached the required item, press the **OK** button to confirm your choice
- Press **EXIT** to return to quit the mode

8.2.1 System Setup

Press the **OK** button on ‘System Setup’ in the Setup Menu.

Set the Video Format, TV Type, Scart RGB output, GMT Offset, Positioner, LNB Reference and Summer Time.

- Use **CH ▲/▼** to move up and down in the list.
- Use **VOL ◀/▶** to change the setting.

Video Format: MULTI / PAL I, B, G or K / SECAM / NTSC

TV Type: Standard (4:3) / Wide (16:9) and aspect conversion PAN SCAN/Letter box

Scart RGB: On / Off

Positioner: Yes / No

Teletext type: STB/VBI

GMT Offset: +12:00 ~ -12:00

Summer Time: On / Off

- Upon reaching the required settings, press **OK** to store the setting.
- Press **EXIT** to go back to the previous mode.

8.2.2 Antenna Setup

Press **OK** on ‘Antenna Setup’ in the Setup Menu.

Set the satellite, LNB Frequency, 22 kHz Tone, DiSEqC mode, LNB Power and Positioner setup.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

SAT: select satellite from the stored list. To include satellite to the list of satellites available for Channel search you need to select it with **OK** button. Selected satellites marked with symbol. If you want to rename selected satellite – press **INFO** button.

LNB Type: select between Universal / Wide Band / OSC C- Band / C-Band / Ku-Band / Unicable / Standard Sat. Make your selection depending from installed LNB.

High L.O.: enter the frequency of Local Oscillator for High band. Refer to your LNB manual.

Low L.O.: enter the frequency of Local Oscillator for Low band. Refer to your LNB manual.

22 kHz Tone: On / Off / Auto - Make your selection depending from installed LNB.

DiSEqC: Off / DiSEqC A, B, C or D / Tone A or B. If you have DiSEqC 1.0 or Tone Burst switch installed

LNB Power: H/V / 14V / 18V / Off

Positioner: None / DiSEqC 1.2 / USALS. If you use antenna mounted on the DiSEqC 1.2 positioner then select “DiSEqC 1.2”. If your positioner is USALS compatible then select “USALS”.

8.2.2.1 DiSEqC 1.2 positioner setup

Mount

installed by a professional.

In “Antenna Setup” menu set “Positioner” to “DiSEqC 1.2” and press **OK** button to enter to “Antenna position” menu.

- Use **CH ▲/▼** to move up and down in the list.
- Use **VOL ◀/▶** to change the setting.

Satellite: select satellite position of which you would like to setup.

Transponder: select reference transponder which should be used for signal quality indication.

Move: when this item is highlighted press **VOL ◀/▶** to move dish in East/West direction accordingly.

Save position: highlight this item and press **OK** to store current position of the dish for selected satellite. The symbol shown near menu item once position is stored.

Reference position: highlight this item and press **OK** if you need to turn dish to reference position (0 degree position).

Function: *Set west limit / Set east limit* – select it and press **OK** if you want to store current position of the dish as west / east limit; *Disable limit / Enable limit* – select and press **OK** to disable / enable limits; *Recalculate* – select and press **OK** to recalculate positions of all satellites based on adjustment for current satellite; *Nudge west / Nudge east* – select and press **OK** for fine adjustment of the dish position; *Nudge tilt up / Nudge tilt down* – use this command if your positioner support adjustment of elevation.

Antenna status: show you current status of the antenna (stopped, moving to East/West).

Signal Quality: show quality of signal for selected reference transponder. Adjust antenna position in order to get maximum level of the Signal Quality.

- Press **EXIT** to go back to the previous mode.

8.2.2.2 USALS positioner setup.

installed by a professional.

In “Antenna Setup” menu set *Positioner* to “USALS” and press **OK** button to enter to “Antenna position” menu.

- Use **CH ▲/▼** to move up and down in the list.
- Use **VOL ◀/▶** to change the setting.

Satellite: select satellite position of which you would like to setup.

Transponder: select reference transponder which should be used for signal quality indication.

My longitude: set longitude of your location.

My latitude: set latitude of your location.

Move: highlight this item and press **◀** button to turn dish to the position corresponded to the selected satellite. Press **▶** button to stop dish.

Reference position: highlight this item and press **OK** if you need to turn dish to reference position (0 degree position).

Signal Level and Quality: show level and quality of signal for selected reference transponder. Adjust longitude and latitude of your location in order to get maximum values of the Signal Level and Quality indicators.

- Press **EXIT** to go back to the previous mode.

8.2.3 Channel Search

Press **OK** on ‘Channel Search’ in the *Setup Menu*.

Set the *Satellite, Tune Method, Transponder, Frequency, Symbol Rate, FEC and Function*.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

Satellite Name: choose from the list of satellites selected in “Antenna setup” menu.

Tune Method: Main options are:

“Sat” – receiver will search channels according to stored list of transponders.

“Sat – NIT” - receiver will search channels according to stored list of transponders and in addition use network information.

This mode allows you to find all channels, even from new appeared transponders.

“TP” – this method is to search channels from one transponder.

“TP – NIT” – receiver will search channels from one transponder and in addition use network information. This mode recommended if you want to search channels of particular broadcaster only.

Sub options are:

“Free” –	receiver will search only Free To Air channels
“Free+Scr” –	receiver will search for all channels
Transponder:	select index from the stored list
Frequency:	value of transponder frequency in MHz
Symbol Rate:	value of symbol rate in kSymbols Per Second
Polarity:	Horizontal / Vertical / Right / Left
FEC:	Auto, 1/2, 2/3, 3/4, 5/6, 7/8
Function:	Append/Delete/Change
AGC Signal:	Indicates received signal strength level

8.2.3.1 How to search for channels:

Highlight “Tune method” field and press **OK**. Receiver will start channel scan. Names of the found channels will be shown in the two columns: for TV and Radio separately.

You can interrupt search process by pressing to **OK** or Exit button.

If you press **OK** button: search process will be interrupted and you can select one of the following options:

- *Save* – to save all found channels
- *Unselect* – to unselect some unwanted channels from the list. Use **OK** button to unselect channels and **VOL** ◀/▶ buttons to switch between TV and Radio list. Once you finish – press **EXIT** button, select “Save” and press **OK**. Only selected channels will be stored in the memory
- *Cancel* – to cancel result of search. No channels will be stored in the memory

If you press **EXIT** button: search process will be interrupted and no channels stored in the memory.

8.2.3.2 How to add new transponder:

- set “Tune method” to “TP” or “TP+NIT”
- move focus to “Frequency” and enter value in MHz
- move focus to “Symbol rate” and enter value in kSPS
- move focus to “Polarity” and select value
- move focus to “FEC” and select value or set “Auto”
- move focus to “Function” select “Append” and press **OK**. Message “Saving data...” will be shown on screen. New transponder will be added to the end of the list

8.2.3.3 How to delete present transponder:

- set “Tune method” to “TP” or “TP+NIT”
- move focus to “Transponder” and choose transponder you want to delete
- move focus to “Function” select “Delete” and press **OK**. Message “Saving data...” will be shown on screen. Selected transponder deleted from the list

8.2.3.4 How to correct/edit parameters of the transponder:

- set “Tune method” to “TP” or “TP+NIT”
- move focus to “Transponder” and choose transponder you want to modify
- move focus to “Frequency” and enter value in MHz
- move focus to “Symbol rate” and enter value in kSPS
- move focus to “Polarity” and select value
- move focus to “FEC” and select value or set “Auto”
- move focus to “Function” select “Change” and press **OK**. Message “Saving data...” will be shown on screen. Modified data are stored in the memory.
- Press **EXIT** to go back to the previous mode.

8.2.4 Setup Lock/PIN

Press **OK** on 'Setup Lock/PIN' in the *Setup Menu*. Set the *Menu Lock*, *Change the PIN*, enter the *New PIN* and confirm the *Confirm PIN*.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

Menu Lock: On/Off

Change PIN: Press **OK** if you want to change.

New PIN: Enter your new 4-digit code

Confirm PIN: Confirm your new 4-digit code

 **Note:** The default PIN is '1234'

Press **EXIT** to go back to the previous mode.

8.2.5 Time Setting

Press **OK** on 'Time Setting' in the *Setup Menu*. Set the *Local Time*, *Sleep Time*, *Timer Status* and *Program the Timer*.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

Local Time: if you want to correct time and date then enter in format dd/mm/yyyy - day – hh:mm

Sleep Time: 0 ~ 180 min. Receiver will be turned off after selected time interval.

Timer: select timer number

Status: Disabled/Enabled. If Enabled – receiver will be turned on within selected channels at defined "start time" and turned off after "duration" interval

Channel type: TV/Radio.

Channel number: enter channel number. If you use multi satellite installation – make sure to enter channel number in "All satellites" mode.

Channel name: displayed automatically and depends from channel number.

Start time: enter start time in format dd/mm/yyyy - day – hh:mm

Duration: enter duration in hh:mm format.

 **Note:** Timer also can be programmed from EPG. See "Program Guide" chapter of this manual.

- Press **OK** to store settings and go back to the previous mode.

8.2.6 Factory Default

Press **OK** on 'Factory Set' in the *Setup Menu*. Confirm whether you wish to go back to the factory default settings.

This function will restore the memory.

8.3 Main Menu Settings

From the *Main Menu* you can access to the *Program Guide*, *Channel Sorting*, *Language Preference Settings*, *Favorites Editing*, *Channel Editing*, *Smart card information* and *Software Version information*.

- Press **MENU**
- Use **CH ▲/▼** to move up and down the list
- Use **VOL ◀/▶** to change the setting
- Upon reaching the required menu line, press **OK** to enter the setting
- Press **EXIT** to go back to the previous mode

8.3.1 Program Guide

This menu displays same information as described in chapter 8.4.4. Press **OK** on 'Program Guide' in the *Main Menu*.

8.3.2 Sort Channels

Press **OK** on 'Program Search' in the Main Menu.

- Use **VOL** ◀/▶ to select an alphabetical letter.
- Press **OK** to confirm your choice.
- Use **CH** ▲/▼ to move up and down in the list.
- Use **VOL** ◀/▶ to scroll pages Down or Up.
- Pressing **OK** on the highlighted channel calls that channel and closes this menu.
- Press **EXIT** twice to go back to the previous mode.

8.3.3 Language

Press **OK** on the 'Language Preference'. Select the menu language and Logo for Radio channel

Menu Language: Available English / Hungarian / Czech / Slovak / Bulgarian / Turkish / German

Radio Ch Logo: enable or disable logo for Radio channels

- Use **CH** ▲/▼ to move upwards and downwards in the menus.
- Use **VOL** ◀/▶ to change the values in the alternatives.
- When you have reached the required subject menu, press **OK** to confirm your selection.
- Press **EXIT** to go back to the previous mode.

8.3.4 Edit Channels

Press **OK** on the 'Edit Channel'.

Select the *Edit channel* menu.

 TV/Radio Channel

 Move Channel

 Add to Favorite

 Lock Channel

 Delete Channel

 Add Channel


 Edit Name

Use **EXIT** button to toggle between channel lists and function selection.


To toggle between TV and Radio lists highlight  function and use **CH** ▲/▼ to select list.

To return to menu press **EXIT** button when any function is highlighted. You will be required to confirm or discard changes that you have made.

8.3.4.1 Move channel


To move channel highlight  icon and press **OK**. Highlight the channel which you want to move and press **OK**. If you want to move group of channels – highlight and select with **OK** button all channels that you want to move. Once you finish selection of channels, select position in the channel list where to move selected channels and press **RECALL** button. Press **EXIT** to return to function selection or continue to move other channels if you want.

8.3.4.2 Add to favourite list


To add channel to favourite list highlight  icon and press **OK**. Highlight the channel which you want to add to favourite group and press **OK**. List of favourite groups will be displayed on screen. Select group of your choice and press **OK**. Continue to add other channels if you wish. If you wish to remove channel from favourite group select group "[0] – unselect". Press **EXIT** to return to function selection.

8.3.4.3 Lock channel

Lock fun
example)

To lock channel highlight  icon and press **OK**. Highlight the channel which you want to lock and press **OK**. If you wish to unlock channel then repeat selection with **OK** button. Press **EXIT** to return to function selection.

8.3.4.4 Delete channel

To delete channel highlight  icon and press **OK**. Highlight the channel which you want to delete and press **OK**. Continue to select other channels that you wish to delete. If you wish to unlock channel then repeat selection with **OK** button. Press **EXIT** to return to function selection.

8.3.4.5 Add channel


channel. Before use this function you need to know details of channel which want to add.

To add new channel highlight  icon and press **OK**. Below menu will be displayed.

Select satell

this menu. Highlight "Channel name" and press **OK**. Enter channel name with keypad displayed. Enter value of *Audio*, *Video* and *PCR PID* and press **OK**. Press **EXIT** to return to function selection.

8.3.4.6 Edit channel name

To edit channel name highlight  icon and press **OK**. Select channel which name you wish to edit and press **OK**. Use displayed keyboard to edit the name, select *Save* function to store new name or *Cancel* to discard changes. Press **EXIT** to return to function selection.

8.3.5 Smart Card

You can enjoy not only Free-To-Air services but also CryptoWorks embedded service channels. To view CryptoWorks embedded service channels, just insert Smart card into slot. Once you insert the smart card, you will see CryptoWorks embedded service channels. If you need further information, contact your service provider or distributor.

General Card Information: Card Label and Additional Info/ Set Maturity Rating/ Smart Card Pin Code Change/ Available Program Providers

Available Entitlements: in this menu you can check validity period of your smart card.

Profile Information: Current Mode/Profile/ Image ID/ Hardware Version/ Loader Version

8.3.5.1 General Card Information

Choice General Card information, you can find information of Smart Card as followings

Card Label and Additional Info: to check following information Card Label/Smart Card Address /Card Valid until/Current Maturity Rate

Set Maturity Rating: Current Maturity Rate/Set Maturity Rate.

Your broadcaster can assign maturity rating for each program.

If you have children and want to deny their access to the programs with maturity rate above their age set maturity rating value to age of your children.

You, or your children, will be asked to enter smart card PIN code in case when maturity rating of program content is above of maturity rating that you have set in this menu.

 **Note:** We recommend to use different PIN codes for the smart card and for the receiver.

Smart Card Pin Code Change: Enter Old Pin / Enter New Pin / Confirm New Pin. In this menu you can change PIN code of your smart card.

Available Program Providers: information about program providers.

8.3.6 About

Press **OK** on the 'About'.

It shows model name, application Ver., and device version.

System software update.

To download latest software version highlight "Update" and press **OK**.

Receiver will check if newest version is available. In case it is available you will be asked to confirm update. In case no new software is available you will get corresponded message.

- Press **EXIT** to go back to the previous mode.

8.4 General Viewing Information

8.4.1 Program Information

Information on the currently viewed program appears for a few seconds, when you press **INFO**.



8.4.2 TV/Radio Channels List

While watching TV or listening to Radio you can call the channel list by pressing **TV/RADIO** or **OK** button. The picture in the preview screen is that of the highlighted channel, which can be changed with the **CH ▲/▼**. **VOL ◀/▶** scrolls *Channel List* pages Down or Up. Pressing **OK** on a highlighted channel calls that channel and exits the Channel List.

To sort channels in various modes press **EXIT** while focus of the list is pointed to the channels.

If you have multi satellite installation then field with satellite name will be highlighted. Use **VOL ◀/▶** to select satellite of your choice. Press **OK** to return to the channel list.

Highlight “List” to sort channels by alphabet, number of FTA.

- mode “ALL (1,2,3..)” is to display all channels from current satellite in channel number order
- mode “ALL (A.B.C..)” is to display all channels from current satellite in Alphabet order
- mode “Free (1,2,3..)” is to display only FTA channels from current satellite in channel number order
- mode “Free (A.B.C..)” is to display only FTA channels from current satellite in Alphabet order

Press **OK** to return to the channel list.

To exit from the channel list press **OK** when channel is highlighted or press **EXIT** button twice.

TV Channel List – satellite selection



TV Channel List – channels sorting



English

Radio list is similar to TV list. To select between TV and Radio list use **TV/RADIO** button while channel list is displayed on screen.

8.4.3 Favorite Channels Lists

While watching TV or listening to Radio you can call the respective favorite channels list by pressing **FAV**. If you press **FAV** button while watching TV channel – the list of TV Favourite channels will be displayed. If you press **FAV** button while listening to Radio – the list of Radio Favourite will be displayed. In case you didn't add any channels to Favourite lists, it would not appear.

To change between Favourite lists you can use **FAV** button or press **EXIT** button while Favourite list is displayed. The "List" field will be highlighted. Use **VOL </>** to select Favourite list and press **OK** once finished.

To return back to ALL channels mode press **TV/RADIO** button.

8.4.4 Program Guide

Press **EPG** to access the electronic program guide, if available from the broadcaster.

Once you enter to Program Guide the "Now & Next" mode is selected. You can select mode "Schedule" if press **VOL >** or you can change between TV and Radio list if press **VOL <** button.

Now & Next mode

Select "Now & Next" and press **OK**. Select channel of your choice using **CH </>** buttons. Select program information using **VOL </>** buttons. Below channel list you can see extended description of the highlighted program.

To view detailed description of the program press **OK** button.

Schedule mode

This mode displays scheduled program information for current channel

Select "Schedule" and press **OK**. Select program of your choice and press **OK** to see detailed program information.

To reserve **Timer** for selected program press **RECALL** button and confirm timer settings.

To view scheduled information for another channel exit from schedule mode, select channel in "Now & Next" mode and finally select schedule mode.

8.4.5 Selection of alternate audio track or audio mode

Press **LANG** to access the audio language selection screen.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

Track: 1 of 1,2... *Select*

Mode: *Stereo / Mono Left / Mono Right*

Level: *Normal / High / Low*

Language: displays name of the audio track if available

Subtitle: Select subtitle language if available (broadcaster dependent).

- Press **OK** to confirm your selection and close this menu.

8.4.6 Recall

Press **RECALL** to recall the previous channel.

8.4.7 Teletext

Press **TXT** to access the Teletext service if available from the broadcaster.

A.1 PROBLEM SOLVING

There may be various reasons for the abnormal operation of the unit. Therefore, if the unit does not work properly, check it according to the procedures shown in the table below:

Symptom	Cause	Remedy
The display on front panel does not light up.	The power cord is not plugged in.	Check that the power cord is plugged in to the wall outlet.
No picture or sound	Wrong connection of the Audio/Video output of the receiver to TV. Audio muting. TV power off.	Connect the Audio/ Video output of the receiver to TV correctly. Press the Mute button Turn TV on.
No picture	The receiver can't receive the signal Incorrect values of some tuner parameters. Wrong direction of the dish	Check the antenna cable, replace the cable, or connect the cable to the receiver tightly. Set the values of the tuner parameters correctly in the installation menu. Check the signal strength with a spectrum analyzer and adjust your dish correctly.
The remote control does not work	The batteries of the remote controller are not inserted or exhausted	Check whether the batteries are inserted correctly in your remote control. Check the batteries, and if exhausted replace the batteries in the remote control.

A.2 SPECIFICATIONS

Tuner

Input Frequency Range:	950 ~ 2150 MHz
Input signal level:	-65 ~ -25dBm
LNB Power:	14/18 V DC, max. 400 mA
LNB switch control:	22 kHz
DiSEqC Version 1.0 & 1.2 compatible	

Demodulator

Modulation:	QPSK
Input Symbol Rate:	2 ~ 45 Ms/s
SCPC & MCPC signals from C & KU band satellites	

Video Decoder

Profile level:	MPEG-2 Main profile @ Main level
Data Rate:	Up to 15 Mbit/s
Video Resolution:	720 x 576, 720 x 480
Video Format:	NTSC, PAL, SECAM
Aspect Ratio:	4:3, 16:9

Audio Decoder

MPEG 1/MusiCam Layer I & II;

Audio mode: Mono, Dual mono, Stereo

Sampling Rate: 32, 44.1, 48 kHz

Connectors

SAT IN

SAT OUT

1 TV SCART (RGB,CVBS, Y/C, Audio)

1 VCR SCART (CVBS, Y/C, Audio)

2 RCA (Audio L & R)

Coaxial Digital Audio: S/PDIF

Power switch

System & Memory

Main Processor: STi5518

Flash Memory: 2 MBytes

SDRAM: 8 MBytes

General Data

Supply Voltage: 100 - 250 V AC (SMPS) 50/60 Hz

Power Consumption: 14 W

Stand-by Mode: <13 W

Operating Temperature: +5 ~ +45 °C

Storage Temperature: 0 ~ +50 °C

Humidity: 25 ~ 70 %

Size (WxHxD) in mm: 214 x 42 x 153

Weight: 0.93 kg

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ENVIRONMENTAL ISSUES

STRONG is committed to reducing the impact of its products on the environment. To maximise the benefits of our design enhancements, your co-operation is required.

Electronic product recycling

Do not dispose of this product with your domestic rubbish.

At the end of its useful life, this product contains materials which when processed correctly can be recovered and recycled. By participating in the responsible recycling of this product you will be reducing the requirement for new raw materials and reducing the amount of material that would otherwise end up in landfill.

When you purchase a new, similar product your retailer may offer to take this old one off you. Alternatively, you can take it to your local recycling centre. Your retailer or local municipal authority will advise you of the collection facilities available for waste electronically products in your area. User of this service will be free to you.

Within the scope of the European legislation on Waste Electrical and Electronic Equipment (Directive 2002/96/EC valid as of August 2005) STRONG provides a recycling system free of charge for consumers to returning products after end of life. For more information about STRONG's environmental policy to you:

www.strong.tv - select "About us" and "Environmental Policy" from the submenu.



Packaging

When disposing of this product packaging, please ensure that it is recycled. Packaging material is to be depolluted in waste separation.



Power Saving

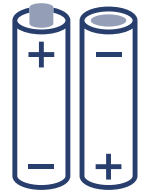
To save power and money, please put the product into standby mode when not in use. We also recommend disconnection from mains supply when not in use for longer periods of time.



Batteries

Do not dispose of the batteries from your handset with your domestic waste.

Where they are available, participate in your local municipal or retailer collection schemes for spent batteries. Batteries discarded in landfill sites or incinerated increases the chances of pollutants being dispersed into the atmosphere.



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