

MANUAL

VANTAGE

HDTV



HD 8000S

Safety Instructions

This product has been manufactured to satisfy the international safety standards. Please read all of safety and operating instructions before operating the product and keep this manual for future reference.

MAINS SUPPLY

AC 90-250V~, 50/60Hz

Operate your product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company. Disconnect the STB from the mains before you start any maintenance or installation procedures.

OVERLOADING

Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.

LIQUIDS

The product should not be exposed to any liquids such as dripping or splashing. No objects filled with liquids, such as vases, should be placed on the apparatus,

CLEANING

Before cleaning, disconnect the product from the wall outlet, Use a cloth lightly dampened with water (no solvents) to clean the exterior.

VENTILATION

The slots on top of the product must be left uncovered to allow proper airflow to the unit. Do not stand the product on soft furnishings or carpets. Do not expose the product to direct sunlight, place it near a heater. Do not stack electronic equipment on top of the product.

ATTACHMENTS

Do not use any attachment that is recommended by the manufacturer it may cause a hazard or damage the product.

CONNECTION TO THE SATELLITE DISH LNB

Disconnect the product from the mains before connecting or disconnecting the cable from the satellite dish. Failure to do so can damage the LNB.

CONNECTION TO THE TV

Disconnect the product from the mains before connecting or disconnecting the cable from the satellite dish. Failure to do so can damage the TV.

LOCATION

Place the product indoors in order not to expose to lightning, rain or sunlight. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifier) that product heat.

LIGHTNING, or NOT IN USE

Unplug the product from the wall outlet and disconnect the cable during a lightning storm or when unused for a long time.

SERVICING

Do not attempt service that this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazard. Refer all servicing to qualified service personnel.

“The mains plug is used as the disconnect device. Then disconnect device shall remain readily operable”

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Before You Begin

General Features

- Accurate, Brilliant Friendly OSD with Full Function
 - MPEG-2 (MP@ML), MPEG-2 (MP@HL), MPEG4 AVC/H.264, HP@L4
 - LNB Controlling Logic (0/22KHz Tone)
 - SCPC/MCPC Receivable from C /Ku-Band Satellites
 - Digital Tuner with Loop-through
 - Wide Symbol Rate 2~45Mbps & Frequency Input 950~2150MHz
 - DiSEqC 1.0, 1.1 & 1.2 Supported (Go to X function)
 - 2 SCARTS for TV, VCR (optional)
 - 16 Bit Colors Graphic User Interface
 - Multi-language Menu
 - 13-digit VFD (Time clock in Stand-by mode)
 - OSD Teletext Supported
 - EPG (Electronic Program Guide) for On-screen Channel Information
 - Installation by Easy Setup Guide
 - 10,000 Channels
 - User-friendly Data Editing Function
 - Favorite Channel and Parental Lock Function
 - RS232C Port for Additional Information Service and Upgrading System Software
 - S/PDIF OUT Optical and Coaxial
 - HDMI
 - SVIDEO OUT
 - PVR Ready
 - Time-Shift
 - Unicable
 - OTA Update for Software and Channel Data
 - Ethernet Port(Just HD7100 Series)
 - USB Port
 - 2 Common Interface and 2 Smart card Reader
-
- SW Blind scanning function

Accessories

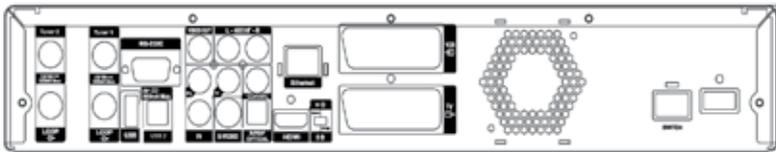
- User's Manual, Micro fiber towel, Vantage CD-Rom
- Remote Control Unit
- Batteries
- HDMI Cable

Controls and Functions

Front Panel

- 1 Power** (⏻) button
Turns your receiver On/Off.
- 2 Arrow** (◀/▶) buttons
Adjusts the volume and moves the cursor left/right on the menu
- 3 Arrow** (▲/▼) buttons
Changes channels or moves the cursor up/down on the menu.
- 4 MENU** button
Displays the menu
Exits from the current menu or goes to the previous menu
- 5 OK** button
Confirms selection
- 6 DISPLAY**
Displays channel information
Displays local time in Standby mode

Rear Panel



4 6 9 11 13

- 1 Dish INPUT Tuner2**
Connects to the satellite dish.
- 2 Dish INPUT Tuner 1**
Connects to the satellite dish.
- 3 LOOP**
Loop out is an output port of the DISH INPUT signal.
- 4 USB 1**
Connects to the External HDD or USB storage with USB cable.
- 5 RS-232C**
Connect to a PC.
RS232 transfers data to the external computer.
- 6 USB 2**
Connect to a PC..
- 7 VIDEO OUT**
Connects to video input jack on TV or any external Video system.
- 8 AUDIO OUT, LEFT / RIGHT**
Connects to audio input jacks on TV or any external audio system.
- 9 Y Pb Pr OUT**
Connects to video input jack on TV or any external Video system.
- 10 S-Video OUT**
Connects to the TV with S-Video cable
- 11 S/PDIF OUT Optical & Coaxial**
Connects to a digital audio component with optical cable.
- 12 Ethernet(Optional)**
Connects to the Ethernet with Ethernet cable
- 13 HDMI**
Connects to the TV with HDMI cable
- 14 SCART for VCR**
Connects to the VCR(AUX) with SCART cables.
- 15 SCART for TV**
Connects to the TV with SCART cables.

Remote Control Unit

- 1 Power Button** for TV and STB
Switch TV or STB On or OFF.
- 2 Numeric (0-9) Buttons**
To access channels directly via channel number.
- 3 Mute (🔇) Button**
Mute the sound.
- 4 Sleep (🕒) Button**
Starts sleeptimer function.
- 5 Option Button**
To access multifeed channels
- 6 OK Button**
To access channel list or confirm/ select in menu mode.
- 7 Text Button**
Starts teletext service.
- 8 Last Button**
Shows a list of last viewed channels
- 9 MoSAic (🖼️) Button**
Opens Multi picture mode.
- 10 Audio (🔊) Taste**
Zeigt die Audio Informationen an.
- 11 Arrow (⬅️/➡️) Buttons**
Control Volume and in menu mode move cursor left or right.

Arrow (⬆️/⬇️) Buttons
Changes channels up or down and move cursor up or down in menu mode.
- 12 Guide Button**
Opens EPG mode.
- 13 Media Button**
Opens your filelist.
- 14 Zoom (🔍) Button**
To zoom in the picture, press twice for higher zoom
- 15 Menu Button**
Opens main menu .
Move back to the latest menu level or close menus..
- 16 Info Button**
To show channel informations on the Screen.
- 17 Back Button**
Back to last menu level. Dont forget to store!!
- 18 SAT (📡) Button**
Shows a list of available satellites.
- 19 VOI +/- Buttons**
Controls the Volume.
- 20 Page (+/-) Button**
Jumps page wise up or down in TV or Radio list.
- 21 FAV Button**
To select one of your Fav lists. Press multiple times to go thru all your Fav lists and back to main list.
- 22 REW<< Button**
Rewind in playback mode up to 8 x speed.
- 23 PR +/- Button**
Channel change up or down.
- 24 Stop Button**
stops recordings or playbacks.
- 25 Record Button**
Instant record
- 26 Play/ Pause Button**
Shows your filelist, pause playbacks and start playbacks.

Remote Control Unit

- 27 FWD>> Button**
fast forward up to 16 x speed in playback.
- 28 PiP Button (Picture in Picture)**
Starts PiP Feature.
- 29 Timer Button**
Opens Reservation Menu.
- 30 Timeshift Button**
Starts Timeshift Function.
- 31 Mode ( / ) Button**
Switch between TV and Radio mode.
- 32 Video Format Button**
Opens a menu to change TV Aspect Ratio
- 33 Swap Button**
Switch from PiP to full screen.
- 34 Pause Button**
Pause and playback again in playback mode.



Remote Control Unit

Additional function

1. Learning Method

- If there is no further action within 30 seconds in LEARN MODE, the remote control turns to normal operation mode switching LED off.
- TV Power key doesn't have Default key data.

The Learning Method

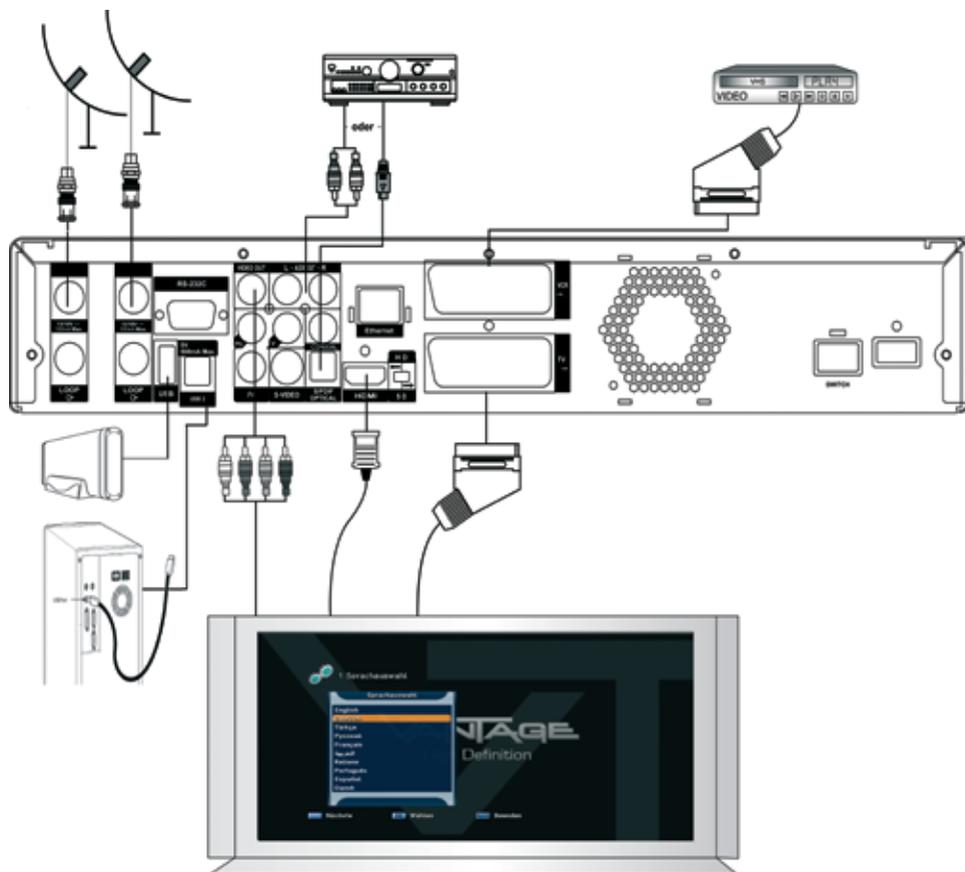
- Only the key of "TV Power" has Learning function.
- Toggle Learning (Continuous 2 codes should be learned in TV Power key)
- 1st Learned data is produced upon 1st press and then 2nd Learned data will be produced upon next pressing on the TV Power key.
- ◆ If you press [TV Power + OK] KEYS at the same time for 1.5 seconds, the remote goes into learning mode. => Then LED ON will be "ON" for 30 seconds. If there is no further action, it will automatically turn back to normal mode after 30 seconds switching LED off.
- ◆ Press TV Power key one more time. LED blinks one time and then LED will be "ON".
- ◆ Press 1st SOURCE KEY (Power key of the original key)
- ◆ If it learns correctly, --- LED will be "ON" after blinking **Two Times**.
 - If it does not learn correctly, --- LED will be "ON" after blinking **5 Times**
 - If there is no input Signal for 30 seconds, the remote will stay in learning mode after blinking 5 times.
 - If no further input signal for another 30 seconds, the remote will return to normal operation mode. LED will be OFF.
 - If you want to teach it again, then you need to press TV Power key. --- LED will stay "ON" after blinking one time.
- ◆ Now you learned one code from your original TV power key. Please press TV Power key one more time. --- LED will stay ON after blinking one time.
=> If the first TV Power code is learned correctly (after LED Blinking two times), 2nd code can be taught.
- ◆ Please press 2nd SOURCE KEY (Any numeric key from the original remote control. For example Number 1)
- ◆ If it learns correctly, --- LED will be "ON" after blinking **Two Times**.
If it does not learn correctly, --- LED will be "ON" after blinking **5 Times**
=> If there is no input Signal for 30 seconds, the remote will stay in learning mode after blinking 5 times.
If no further input signal for another 30 seconds, the remote will return to normal operation mode. LED will be OFF.
=> If you want to teach it again, then you need to press TV Power key. --- LED will stay "ON" after blinking one time.
- ◆ If you press [TV Power + OK] Keys at the same time, it turns back to normal operation mode after LED blinking 3 times.

2. Low Battery Warning Function

It is the function to check if the battery has LOW VOLTAGE

- ◆ If you press [STB Power] KEY at the level that IC's OPERATING VOLTAGE is as low as "2.2V ~ 2.3V", power code will be produced blinking LED 3 times.
- ◆ At that LOW VOLTAGE level, you can not go into LEARNING MODE.

Connections



Location of your receiver

- Install your receiver in horizontal position
- Do not put any heavy stuff such as a TV on your receiver
- Do not install your receiver in the places as follows: Vibrating place, direct sunrays, Humid place, too high or low temperature, and no ventilated place.

Connecting your receiver with dish system

After installing your antenna system, connect the coaxial cable from the LNB of your antenna to "DISH INPUT" terminal marked at the rear panel of your receiver. All cable connectors should be finger-tightened; do not use any kind of wrench while tightening connectors. The cable should be 75 ohm impedance coaxial twisted at the end with an "F" type connector.

Connections

Connecting your analog receiver

To facilitate the user using analog receiver to view analog channels, this product has been provided with a loop through terminal marked as “Loop”. Connect the coaxial cable from this terminal to the IF input terminal of your analog receiver. Now by keeping your receiver in standby, you will be able to tune and view analog channels from your analog receiver.

Connecting your receiver to TV

To connect your receiver with your television, you can use 4 different methods; via RCA cable, SCART cable, HDMI cable or YUV.

Connect the RF cable to the terminal marked “RF OUT” on the rear panel of your receiver and its other end to the TV RF input socket.

Connect the Video/Audio RCA cables from the Video OUT/AUDIO OUT (LEFT, RIGHT) on the rear of your receiver to the Video INPUT/AUDIO INPUT (LEFT, RIGHT) jacks on the TV. In the case of connecting your TV through SCART cable, connect the SCART connector marked TV to the respective SCART port on the TV. (depend on model)

Connect the HDMI cable to the terminal marked “HDMI” on the rear panel of your receiver and its other end to the TV HDMI input.

Connecting your receiver to VCR (depending on model)

To connect a VCR, your receiver has been provided with SCART at the rear marked “VCR”. Using a SCART connector, the VCR can be connected to your receiver.

Connecting external audio/Hi-Fi system

To connect any external Audio Hi-Fi system, your receiver has been provided with two RCA connectors at the rear panel of your receiver, marked with AUDIO L and R respectively to connect the left and right Audio on the external audio/Hi-Fi system.

Connecting digital audio system

Connect a cable between S/PDIF OUT at the rear panel of your receiver and S/PDIF INPUT COAXIAL or OPTICAL on the Digital Audio System.

Initial Settings and Operations

Menu Information

A menu is a field of text shown on the TV screen. Selectable lines are generally activated (highlighted). No-activated lines cannot be selected. Most of menus show short information at the bottom of the screen.

This menu consists of 7 main menus:

- **Installation**
- **System Setup**
- **Channel Setup**
- **Parental Lock**
- **Game**
- **Multimedia**
- **Conditional Access**

- 1 Using the **Arrow (▲/▼)** buttons you can move upwards and downwards on the menus. On the menus, you can search channels using this button.
- 2 When you have reached the required subject menu, press the **OK** button to confirm your choice.
- 3 On the menus, you can select menu items using the **Arrow (◀/▶)** buttons.
- 4 When you want to return to the previous menu with saving the change, press the **Back** button.
- 5 When you want to exit from the current menu, press the **Menu** button.

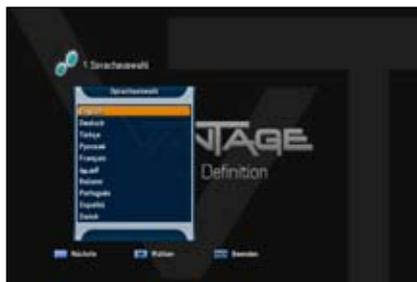
Getting Started

To start your receiver for the first time, you must select the language for displaying menus and you should set parameters for system configuration and scan satellite channels. Perform the following setup procedure for scanning the satellite. Follow the instructions below to scan satellite channels. You can enjoy watching TV or listening to the Radio after the procedure completes.

- 1 Turn on your TV and receiver.
Language Setting menu will appear automatically.
OSD Language is highlighted.

Selecting the On Screen Display (OSD) Language

- 2 Select the OSD language of your choice using the **Arrow (◀/▶)** buttons.
You will see the selected language on the OSD menu.
- 3 Select **Installation** using the **Arrow (◀/▶)** buttons.



Getting Started

Setting the Clock

- 1 Select the desired time zone using the **Arrow** (▲/▼) buttons
- 2 Select if you want to use daylight saving time using the **Arrow** (▲/▼) buttons. Select between **On** and **Off**
- 3 Press the blue button to continue.



Antenna Setting Tuner 1

You can set antenna and LNB information for scanning channels. If antenna is not correctly set, you cannot scan channels, therefore you cannot watch any programs.

- 1 Select **Antenna Setting** using the **Arrow** (▲/▼) buttons and press the **OK** button. Antenna setting menu appears.
- 2 Select satellite for channel scan using the **Arrow** (▲/▼) or **Page** (+/-) buttons and press the **Arrow** (◀/▶) button to select at option.
- 3 Select an option using the **Arrow** buttons.



LNB Power: On or Off (Default: Off)

Longitude: Using Defaultmode

LNB Type: Universal 1, Universal 2 (Default Universal 1)

LNB Freq: Frequency can be input with numeric key with RCU

DiSEqC Port: 1~4 for 1.0 and Tone Burst 1~2 and Off.

Tone 22kHz: On, Off or Auto (Default: Auto)

Unicable: Press OK Button to choose one IF by Auto detection

Motor: Moving Antenna using DiSEqC1.2 or USALS

DiSEqC1.1: Uncommitted DiSEqC Command 1-16



Getting Started

Antenna Setting Tuner 2

- 1 Select **Antenna Setting** for tuner 2 using the **Arrow (▲/▼)** buttons and press the **OK** button.
- 2 Select one of the following options:
 - Same Signal: Same configuration as tuner 1
 - Loop Through - Cable from tuner 1 loop through tuner 2
 - Separated: Tuner 2 has a different connection. After selecting this options the same menu as tuner 1 comes up and you have to select the options.



Installation Options

- 1 Select **one of the following options** using the **Arrow (▲/▼)** buttons.

Option 1: Auto Scanning see page 15)

Option 2: Download Channel list from Astra

You can select from different channel lists. Select you desired list and press **OK Key**.

Option 3: German Channel list

- 2 Press **OK Key**.

Getting Started

Auto Scanning

- 1 Select **Auto Scanning** using the **Arrow** (▲/▼) buttons and press the **OK** button.
The preprogrammed satellite lists will appear.
- 2 Select an appropriate satellite using the **Arrow** (▲/▼) buttons and set the channel options using the **Arrow** (◀/▶) buttons.
 - **Off:** Scanning is disabled.
 - **All:** Scan all the free and scrambled channels.
 - **Free:** Scan free channels only.
 - **NIT:** Scan all mode with TP network scanning.
 - You can set **Off**, **All**, **Free** or **NIT** to each satellite.
- 3 Press the **OK** button, **Auto Scanning** will start.
All the channels in the list from the selected satellite will be automatically downloaded.
- 4 Press the **OK** button to save the changes.
- 5 Press the **Back** (⏪) button to exit from the menu and press the **Arrow** (▲/▼) buttons to select the desired channel. Now you can watch TV or listen to the Radio.



For more information on scanning a satellite see chapter 5!!

Terrestrial (optional) Auto Scanning

- 1 Press **OK Key** to start Auto Scanning.
- 2 Press the **OK button** to save the changes.
- 3 Press **Back Key** button to exit from the menu and press the **Arrow (▲/▼)** buttons to select the desired channel. Now you can watch TV or listen to the Radio. You can no select the channel using **arrow buttons (▲/▼)**



Basic Operation

This section explains various functions while watching TV or listening to the Radio.

Switching Channel

You can switch the current channel by three different methods.

- **Method 1:** Press the **Arrow (▲/▼)** buttons or **PR+/-** buttons.
- **Method 2:** To select a channel directly, select a channel using the **Numeric (0~9)** button.
- **Method 3:**
 - 1 To display the channel list, press the **OK** button.
 - 2 Select a channel you want to watch using the **Arrow (▲/▼)** buttons and then press the **OK** button.
 - If there are multiple channels, use the **Page (+/-)** or the **Arrow (◀/▶)** buttons to move to channels by page.
 - Press the **Mode (تلفزيون/راديو)** button to switch between the TV and Radio channel.
- **Method 4:** In case of more than two scanned satellites
 - 1 Press the **SAT(📶)** button to show satellite list.
 - 2 Move the cursor to the satellite of a channel to watch with the **Arrow (◀/▶)** buttons and then press **OK** button.
 - 3 You can follow the method 3 instruction for channel selection.
- **Method 5:** How to move to the watched channel.
 - 1 Press the last button with RCU.
 - 2 Press **OK** button after a channel selection by using the Arrow (▲/▼) with RCU.
 - 3 Press **OK** button to exit.

Volume Control

To control the volume:

- Press the **VOL+/-** or the **Arrow (◀/▶)** buttons.
- Press the **Mute (🔇)** button to turn the sound off.
- Press the **Mute (🔇)** button again or the **VOL+/-** or **Arrow (◀/▶)** buttons to cancel muting.

Basic Operation

Info Bar

Channel information always appears for a specific period of time whenever you switch channels.

General Information

Press the **INFO** button; you can see general information of the current channel.

- ❶ Channel number and name
- ❷ Current time
- ❸ Signal Level
- ❹ Signal Quality
- ❺ Icons: HD channel, Locked channel, Radio Channel, Scrambled channel, Subtitle, Teletext information
- ❻ EPG information.
- ❼ Conditional Access

Detailed Channel Information

You can see detailed channel information pressing the **INFO (z)** button again.

- ❽ You can see detailed channel information pressing the INFO button again.
- ❾ Satellite, Frequency, Symbol Rate, FEC, Polarity, Video PED, Audio PID, PCR PID, Transponder
- ❿ Display the stream information.

Selecting the soundtrack

You can select the audio language, soundtrack, or sound mode.

- 1 Press the **Audio (Yellow)** button.
- 2 Press the **Arrow (▲/▼)** buttons to select the audio language or soundtrack and press the **OK** button.
- 3 Press the **Arrow (◀/▶)** buttons to select the sound mode from **Stereo**, **Mono left**, or **Mono Right**.
- 4 Stream information.



Selecting the OSD teletext, VBI teletext, Subtitle and DVB subtitle

You can choose the **OSD teletext**, **VBI teletext**, **subtitle** and **DVB subtitle** for the current live TV program if provided from the broadcasting station.

- **OSD teletext:** Press the **Text** button
- **VBI teletext:** Press the **Text** button **twice**.
- **Subtitle:** Press the **Text** button **three times**.
- **DVB subtitle:** Press the **Text** button **four times**.

Basic Operation

Sleep Timer Function

Press the **GREEN (Sleep)** button, you will see the time set for the sleep timer if already set from the Time Setting menu.

Zoom Function

You can make the picture appear larger on the screen pressing the **Zoom (⊕)** button.

- 1 Press the **Zoom (⊕)** button.
- 2 Select the area you want to zoom using the **Arrow** buttons and then press the **OK** button. Picture is enlarged two times.
- 3 Each time you press the **Page (+/-)** buttons, the picture is enlarged two or four times. Press the **Arrow (▲/▼/◀/▶)** buttons to change the location at the lower right of display.
- 4 To cancel the Zoom function, press the **Zoom (⊕)** button twice or **Back** button.



Channel List

You can see the TV or Radio channel list pressing the **OK** button while watching TV or listening to the Radio. Switch the channel list pressing the **Mode (≡/🎵)** button. The icons behind channel names reflect the status of the channel like scrambled or locked.

Select channel using the **Arrow (▲/▼/◀/▶)**, **PR+/-**, or **Page (+/-)** buttons and press the **OK** button to watch.

The colored buttons show the channel lists as follows:

- **Red Key**: sort channel alphabetically
- **GREEN** button: by satellites (all/searched satellites)
- **YELLOW** button: by names of broadcasting providers
- **Blue** button: by HD channels
- **Opt** : Enter channel list menu to move, delete or rename channels



Installation	Tuner 1	Antenna Setting
	Tuner 2	Motor Setting
	Defaults Setting	Auto Scanning
		Manual Scanning
		Blind scanning
System Setup	Language Setting	OSD Language, Audio-,EPG-Teletext-and Subtitle Language
	OSD Setting	Transparency, Banner Time, Screensaver Time, EPG Mode, Subtitle, serial Modul
	Video Setting	TV-System, Resolution,Signal Type,TV Aspect, Video Aspect Ratio, Video Freeze
	Audio Setting	Dolby-Digital, SPDIF Output, HDMI Dolby
	Time Setting	GMT, Local Time, Set Time Mode, Time Zone,DST
	Reservation Setting	Timer list, Timer Setup
	System Informationen	System Informations
Channel Setup	Delete Channels	
	Delete All Channels	
	Favorit Channels	
	Edit Channels	
	Software Manager	
Parental Lock	Channel Lock	
	Lock Control	
	Change PIN Code	
Game	Mong	
	Tetris	
Multimedia	PVR Setting	Recording Time Limit
	Player Setting	Timeshift Time Limit
	HDD	Timeshift
	USB 1	Extended Record Time
	USB 2	HDD Auto Standby
	Ethernet	
		Vantage Player Time
		Auto Resuming
		Playback Repeat
		JPEG Slideshow
Conditional Access	CI Slot A	
	CI Slot B	
	CA Slot A	
	CA Slot B	

Main Menu

The menu has been carefully designed from user-friendly point of view to assure easy operation to your receiver. The main menu is classified into 7 sub menus that will carry out the various operations individually.

Installation

In the **Installation** menu, you can customize antenna setting and do channel scanning. Press the **Menu** button.

Select **Installation** using the **Arrow** (◀/▶) buttons on the main menu.

Installation >> Antenna Setting

Antenna Setting TUNER 1 or Tuner 2

You can set antenna and LNB information for scanning channels. If antenna is not correctly set, you cannot scan channels, therefore you cannot watch any programs.

- 1 Select **Antenna Setting** using the **Arrow** (▲/▼) buttons and press the **OK** button. Antenna setting menu appears.
- 2 Select satellite for channel scan using the **Arrow** (▲/▼) or **Page** (+/-) buttons and press the **Arrow** (◀/▶) button to select at option.
- 3 Select an option using the **Arrow** buttons.



◆ LNB Power

Set **LNB Power** On.

◆ Longitude

If you know the exact longitude of your location, use the **Numeric (0~9)** buttons. Toggle between **E (East)** and **W (West)** using the **Arrow** (◀/▶) buttons.

◆ LNB Type(Unicable)

Select the **LNB type** by pressing **Arrow** (◀/▶) button

- Universal 1 (9750 / 10600)
- Universal 2 (9550 / 10750)
- Unicable (1210 IF / 1420 IF / 1680 IF / 2040 IF)
 - Select the **Unicable** and press **OK** Button to choose one IF by Auto detection (When you use Unicable, Blind Scan function will be not supported)
- User Define (LNB Low / LNB high)
 - LNB IF Frequency can be input with numeric key with RCU
- Standard (5150 / 9750 / 10000 / 10600 / 10750 / 11250 / 11300 / 11475)

Installation

Note

- What is Low Noise Block (LNB)?
The LNB is located at the satellite dish antenna. It amplifies the very weak received satellite signal then converts the received microwave satellite signal so that the signal may not decrease the gain between the dish and your receiver.
-
-
- ◆ DiSEqC (Digital Satellite Equipment Control) Mode
You can select **DiSEqC** using the **Arrow (◀/▶)** buttons.
You can select one mode among **DiSEqC Port1~4 for 1.0 and Tone Burst 1~2 and Off**.
 - ◆ Tone 22KHz
In case you are using a dual LNB or two antennas connected to a 22KHz Tone Switch Box, with 22KHz Tone Switch (**On**, **Off**, or **Auto**) you can switch between LNB or antenna.
 - ◆ Motor
Select motor setting from **DiSEqC**, **USALS**, **Positioner**, and **No**.
 - ◆ **DiSEqC 1.1**
In case of DiSEqC 1.1 usage, select port 1~16 for the satellites by using the **Arrow (◀/▶)** button.
 - ◆ Signal Status
Press the blue button, you can check the signal status for each TP and Satellite with the **Arrow (◀/▶ ▲/▼)** buttons.
You can scan the selected satellite and TP and save the changes.
 - **Green** button: Satellite Auto Scan
 - **Yellow** button: TP Scan
- 4 After setting the option, press the **OK** or **RED button** to save.
- Select satellite(s) according to the direction of your satellite dish. You can select many satellites depending on the direction to the satellites
- 5 Press the **Back** button to return to the **Installation** menu.
-
-

Anmerkung

- DiSEqC is the registered trademark of Eutelsat Communications.
A standard through which is possible to let a DiSEqC compatible receiver send a signal over the RF cable to a switching device to switch between different LNBs or dishes. The DiSEqC uses the 22KHz signal to control the switching device
-
-

Installation

Installation >> Tuner (1 or 2) >> Motor Settings

Motor Settings

◆ DiSEqC 1.2

If Motor is set to **DiSEqC 1.2** in the Antenna Setting men.

- 1 Select **Motor Setting** using the **Arrow (▲/▼)** buttons and press the **OK** button.
- 2 Select a satellite using the **Arrow (▲/▼)** buttons and press the **OK** button. Satellite list appears.
Select satellite using the **Arrow (▲/▼)** buttons and press the **OK** buttons.
Bulleted list indicates selected satellites.



- 3 Press the **RED** button to save selected satellites and then press the **Back** button.
- 4 If you press the **YELLOW** button, on-screen navigation menu is highlighted. Use the **Arrow** buttons to move the motor to the west, east, north, and south in order. The position of the motor can be restricted to the software setting limits (West/East) using the **RED / BLUE** buttons.
- 5 Press the **YELLOW** button to highlight **Satellite**.
- 6 Press the **OK** button on the **Go to satellite** Menu. Dish changes its position to the direction of satellite (depending on the types of motor, dish changes its position to the default-direction of satellite for the maximum 28 satellites).
- 7 Press the **OK** button on the **Save Current Position** menu. Current position of the motor is saved according to the selected satellite.
- 8 You can change the Function Menu (**Go to Ref. Position / Reset Position / Calculate Positions**) by using the Arrow (◀/▶) button, activate the function with OK button
 - **Go to Ref. Position:** Press the **OK** button in the **Go to Ref. Position** menu. Motor changes its position to zero longitude / latitude where the count begins.
 - **Reset Position:** Reset Positioner initialize the position of motor to the default value.
 - **Calculate Positions:** Calculate Positions selects one satellite to revise the position of motor and saves the changes. Changed position of the motor also applies to the directions for other satellites.

Installation

- 9 Confirm the **Enable Limits/Disable Limits** function pressing the **OK** button. You will be prompted to decide whether to use the West/East setting Limits setting value.
- 10 The method to position motor is selected in the **Continuous/Step (Impulses)/Time (Seconds)** menu. If you press the **Arrow (◀/▶)** buttons once in the Continuous mode, selected TP signal of the satellite is locked or the motor stops to move. In the **Step (Impulses)** mode, you can select **Steps (Pulse)** from 1 to 10. The motor changes its position according to the selected step if moved to the left or right (depending on the motor).
In the **Time (seconds)** mode, you can select time (seconds) from 1 to 20. The motor changes its position according to the selected step if moved to the left or right (depending on the motor).

◆ USALS

- 1 Select **Motor Setting** using the **Arrow (▲/▼)** buttons and press the **OK** button.
- 2 Select **Satellite** menu using the **Arrow (▲/▼)** buttons and press the **OK** button. Satellite list appears. Select satellite using the **Arrow (▲/▼)** buttons and press the **OK** button. Bulleted list indicates selected satellites.
- 3 Press the **RED** button to save selected satellites and then press the **Back** button.
- 4 If you press the **YELLOW** button, on-screen navigation menu is highlighted. Use the **Arrow** buttons to move the motor to the west, east, north, and south in order. Position of the motor can be restricted to the software setting limits (West/East) using the **RED / BLUE** buttons.
- 5 Press the **YELLOW** button to highlight Satellite.
 - This function may not work depending on the type of USALS program.
- 6 Enter the value of 000.0 E/W (latitude) and 000.0 N/S (Longitude) and then press the **OK** button on the **Go to X** menu.
Motor changes its position according to the selected satellite.
- 7 Confirm the **Enable Limits/Disable Limits** function pressing the **OK** button. You will be prompted to decide whether to use the West/East setting Limits setting value.
 - This function may not work depending on the type of USALS program.
 - Press **OK** in **Go to Reference** menu, the motor moves at zero longitude/latitude.



Installation

◆ Positioner

- 1 This function is used when receiving DiSEqC 1.2 Command with the adaptor that controls positioner antenna. Select a satellite using the **Arrow (▲/▼)** buttons and press the **OK** button. Satellite list appears. On the satellite list, you can select satellites pressing the **OK** button. Press the **RED (Last)** button to save the selected satellites.
- 2 If you press the **YELLOW (Audio)** button, on-screen navigation menu is highlighted. Use the **Arrow (▲/▼/◀/▶)** buttons to move the motor to the west, east, north, and south in order. Position of the motor can be restricted to the software setting limits (West/East) using the **RED / BLUE** buttons.
- 3 Press the **OK** button on the **Go to satellite** menu. Dish changes its position to the direction of satellite.
- 4 Press the **OK** button on the **Save Current Position** menu. Current position of the motor is saved according to the selected satellite.
- 5 Press the **OK** button on the **Go to Ref. Position** menu. Motor changes its position to the zero longitude/latitude where the count begins. (this function is not supported by the adaptor that controls positioner antenna)
- 6 **Go to Reference** changes the position of control adaptor.
- 7 **Reset Positioner** initializes the position of motor to the default value.
- 8 You can change the function Menu (Go to Ref. Position / Reset Position / Calculate Positions) by using the **Arrow (◀/▶)** button, activate the function with **OK** button
 - Go to Ref. Position: changed position of the motor also applies to the directions for other satellites.
 - Calculate Positions: Confirm the **Enable Limits/Disable Limits** function pressing the **OK** button. This function may not be supported depending on the model.
- 9 The method to position motor is selected on the **Continuous / Step (Impulses) / Time (Seconds)** menu, If you press the **Arrow (◀/▶)** button once on the **Continuous** mode, selected TP signal of the satellite is locked or the motor stops to move. On the **Step (Impulses)** mode, you can select steps (pulse) from 1 to 10. The motor changes its position according to the selected step if moved to the left or right (depending on the motor). On the **Time (Seconds)** mode, you can select time (seconds) from 1 to 20. the motor changes its position according to the selected step if moved to the left or right (Depending on the motor).



If you have a MOTEK motor please use positioned menu instead of DiSEqC 1.2. to make sure that your motor is working correct.

Installation

Installation >> Tuner (1 or 2) >> Auto Scanning

Auto Scanning

If you select the satellite to scan channel according to the antenna setting, your receiver can automatically scan the satellite without entering any other information.

- 1 Select **Auto Scanning** using the **Arrow (▲/▼)** buttons on the **Installation** menu and press the **OK** button.
- 2 Select satellite to scan channels by using the **Arrow (▲/▼)** buttons and select scan mode (**All**, **Free** or **NIT**) using the **Arrow (◀/▶)** button.
 - **All**: Scans all channels.
 - **Free**: Scans free channels only.
 - **NIT**: Scan All mode with TP network scanning.
- 3 Press the **OK** button, and then it starts scanning. After Auto Scanning completes, you can see TV and Radio channels in the list.



Installation >> Manual Scanning

Manual Scanning

You can scan channels of the selected satellites by transponders if you know the transponder information.

- 1 Select **Manual Scanning** using the **Arrow (▲/▼)** buttons on the **Installation** menu and press the **OK** button.
- 2 Set the following options to complete **Manual Scanning**.
 - ◆ **Satellite**:
Select a satellite by using the **Arrow (▲/▼ ◀/▶)** buttons or **Page (+/-)** buttons.
 - ◆ **Transponder**:
Set the transponder for the selected satellite.
Select a transponder using the **Arrow (◀/▶)** buttons.



Installation

If you cannot find your desired transponder, select **New** to change transponder information as follows:

- **Frequency**
Display the selected TP Frequency.
- **Symbol Rate**
Display the selected TP Symbol Rates.
- **FEC (Forward Error Correction)**
Select a FEC option Auto, 1/2, 2/3, 3/4, 5/6, and 7/8 using the Arrow buttons.
- **Polarity**
Select a polarity value among Horizontal, Vertical, Circular Left, and Circular Right using the Arrow buttons.
- Horizontal output is 18V and Vertical output is 13V via LAN.

Note

- What is a transponder?
A wireless communications device usually attached to a satellite. A transponder receives and transmits incoming signals with in a prescribed frequency range. After receiving the signals the transponder will broadcast those signals with different frequencies.

-
- ◆ **Scan Mode**
Decide whether to find free channels only or all the channels including scrambled ones. Select a scan mode using the **Arrow (◀/▶)** buttons.
 - **All:** Scans all types of channels.
 - **Free:** Scans free channels only.
 - ◆ **NIT Search**
You will be asked whether to search channels for another transponder. Select either **Yes** or **Off** using the **Arrow (◀/▶)** buttons. Select **Yes** to run Network Search.
 - ◆ **PID Search**
You can manually scan channels by entering individual Packet Identifier (PID) values. Enter the PID the **Numeric (0~9)** buttons. First, select a PID type (**Video PID**, **Audio PID**, or **PCR PID**) using the **Arrow (◀/▶)** buttons, then enter the PID value by pressing the **Numeric (0~9)** buttons.
- 3 Press the **OK** button, then starts scanning.
After Auto Scanning is complete, you can see TV and Radio channels found from Auto Scanning.

Installation

- 4 Press the **RED (MoSAiC)** button on the Manual Scan menu
 - **Satellite:** Select the satellite by using **Arrow (▲/▼ ◀/▶)** buttons or **Page (+/-)** buttons
 - **Transponder:** Change the TP with the **Arrow (◀/▶)** buttons
 - **Frequency:** Displays the current Frequency
 - **Symbol Rate:** Displays the current Symbol Rate
 - **FEC (Forward Error Correction):** Displays the current FEC
 - **Polarity:** Displays the current Polarity
 - **Add TP:** Press the Green (Sleep) button for a new TP add
 - **Del TP:** Delete the current TP with **Yellow** button
 - **RED button:** Save the TP information

Blindscan

- 1 Press **OK Key** to open Blindscan menu.
- 2 Select Start- and Endfrequency from the area that would you like to search.
- 3 Select the stepping for searching for transponders.
- 4 Select polarisation.
- 5 Select if you want to limit your search for FTA channel or choose all channels.
- 6 Start blindscan with **OK Key**.



Note: *Blindscan search the satellite for every carriers; even undocumented If the receiver find some channels or transponders he will automatically add it to your channel/transponderlist.*

Installation

Installation >> Defaults Setting

Defaults Setting

You can restore the default setting in case you have encountered some problems after saving changes to channel data and others that may be in error.

- 1 Select **Defaults Setting** using the **Arrow (▲/▼)** buttons on the **Installation** menu and press the **OK** button.
- 2 Select a defaults option (**Factory Defaults**, or **STB Reboot**) using the **Arrow (▲/▼)** buttons and press the **OK** button.
 - **Factory Defaults:** Resets back to the factory-default settings.
If you press the **OK** button in this menu, you will see a dialog box asking you to confirm the channel defaults or factory defaults setting. Select **Yes** or **No**, and press the **OK** button.
 - **STB Reboot**
If you press the **OK** button in this menu, the Set-top box (STB) reboots..

System Setup

You can set the system configuration in this menu. Press the **Menu** button. Select **System Setup** using the **Arrow (◀/▶)** buttons on the menu.

System Setup >> Language Setting

Language Setting

You can set languages for OSD, Audio 1-2, Teletext, Subtitle, and EPG 1-2

- 1 Select **Language Setting** using the **Arrow (▲/▼)** buttons on the **System Setup** menu and press the **OK** button.
- 2 Select any of **OSD**, **Audio1- 2**, **Teletext**, **Subtitle**, and **EPG1-2 languages** using the **Arrow (▲/▼)** buttons and use the **Arrow (◀/▶)** buttons to select its language.



System Setup

System Setup >> OSD Setting

OSD Setting

You can adjust **OSD Transparency**, Window Trans, OSD Banner Time, and Screen Saver Time.

- 1 Select **OSD Setting** using the **Arrow (▲/▼)** buttons on the **System Setup** menu and press the **OK** button.
- 2 Select any of **Transparency**, **Window Trans**, **Screen saver Time**, **VFD Module** and **Display in Standby Mode**, and **Screen saver Time** using the **Arrow (▲/▼)** buttons and use the **Arrow (◀/▶)** buttons to make changes.
 - **Transparency:** 0 (opaque) to 100%
 - **Window Trans:** 0 (opaque) to 100%
 - **Banner Time:** 1 to 60 seconds or Always
 - **Screen saver Time:** 1 to 60 minutes or None
 - **Serial Module:** X-crypt or None



System Setup >> Video Setting

Video Setting

You can enter the various media setting for TV System, TV Aspect Ratio, Video Aspect Ratio, RGB, Y/Pb/Pr or Composite, RF Channel, Broadcasting System, Video Freeze and DVB Subtitle.

- 1 Select **Media Setting** using the **Arrow (▲/▼)** buttons on the **System Setup** menu and press the **OK** button.
- 2 Select **Media Setting** using the **Arrow (▲/▼)** buttons and press the **Arrow (◀/▶)** buttons to make changes.
 - **TV System:** 576p, 720p, 1080i
 - **TV Aspect Ratio:** You can set the aspect ratio of your TV. (**4:3,16:9** or **Auto**)
 - **Video Aspect Ratio:** You can select the display format according to TV screen ratio. (**Letter Box, Pan & Scan, Mixed, or Full**)
 - **Video Signal Type:** RGB, Y/Pb/Pr, Composite (see Page 51)
 - **Video Freeze:** On/Off



System Setup

Audio Settings

In this menu you can select different audio settings match your audio hardware:

- 1 With the **Arrow Keys** (◀/▶) select option **Audio Setting** and press **OK Key**.
- 2 Use the **Arrow Keys** (▲/▼) to select audio setting. Use **Arrow Keys** (◀/▶) to change setting:
 - **Dolby Digital: ON, OFF**
 - **SPDIF Output: Dolby Digital, PCM**
 - **HDMI Dolby Digital: OFF, ON** (see Page 50 for definitions)



System Setup >> Time Setting

Time Setting

You can set the time zone.

- 1 Select **Time Setting** using the **Arrow** (▲/▼) buttons on the **System Setup** menu and press the **OK** button.
 - ◆ **Set Time Zone:**
Press the **Arrow** (◀/▶) buttons to set time mode for Auto or Manual
 - ◆ **Time Zone**
Press the **Arrow** (◀/▶) buttons to set the time zone.
The local time will be automatically changed by this setting.
Set the time by using the **Arrow** (◀/▶) buttons in case of **Auto set time mode**
Input the figures with the numeric keys in case of **Manual set time mode**
 - ◆ **Summer Time:** Select the summer time function **ON** or **OFF**



System Setup

System Setup >> Reservation Setting

Reservation Setting

You can set timer of reservation for TV program such as switch on, off and TV program. Select the Event NO. for the reservation.

- **ON time:** Input the Switch-ON time with numeric keys.
- **OFF time:** Input the Switch-OFF time with numeric keys.
- **Repetition:** Select the Event activation time option (Once, Daily, one day a week) with the Arrow (◀/▶) buttons.
- **Program:** Select the channel with Arrow (◀/▶) button and press OK to save.



System Setup >> System information

System Information

You can check system information like Model Name, hardware version, Loader version, Main Software version, and Main Software Build Date.

Model Name: Name of receiver

Loader Version: Receiver boot loader version

Main Software Version: Receiver firmware version

Database Version: Receiver database version

Main Software Build Date: Receiver firmware date



Note: This information gives you an overview about your receiver hardware and software. You will need this information if you need any technical support.

Channel Setup

You can edit TV and Radio channels and the favorite channel group in this menu. Press the **Menu** button. Select **Channel Setup** using the **Arrow (◀/▶)** buttons on the main menu.

Channel Setup >> Delete Channels

Delete Channels

You can delete TV and Radio channels you want.

- 1 Select **Delete Channel** using the **Arrow (▲/▼)** buttons on the **Channel Setup** menu and press the **OK** button.
- 2 Select the channel you want to delete using the **Arrow (▲/▼)** buttons and press the **OK** button. Press the **Arrow (◀/▶)** buttons to switch between TV and Radio List. You can select multiple channels. Bulleted list indicates selected channels. Press the Green (sleep) button for Delete mode by Channel, TP or Satellite.
- 3 Press the **RED** button to delete selected channels.



*Note: If you press the **BLUE** key on your remote you will get a preview of that channel on the upper right side.*

Channel Setup

Channel Setup >> Delete All Channels

Delete All Channels

You can delete all channels.

- 1 Select **Delete All Channels** using the **Arrow (▲/▼)** buttons on the **Channel Setup** menu and press the **OK** button. System message dialog box appears asking you to confirm it.
- 2 Select **Yes** using the **Arrow (◀/▶)** buttons and press the **OK** button to delete all channels.



Channel Setup >> Favorite Channels

Favorite Channels

You can edit favorite channels. There are 9 favorite channel groups (**News, Sports, Movie, Music, Shopping, Kids, Adults, Drama, and Education**).

- 1 Select **Favorite Channels** using the **Arrow (▲/▼)** buttons on the Channel setup menu and press the **OK** button.
- 2 Select channels that you want to edit using the **Arrow (▲/▼)** or **Page (+/-)** buttons in the **TV/Radio List** and press the **RED (Last)** button. Selected channels are listed in the favorite group. Pressing the **TV/Radio (TV/R)** button switches between TV and Radio List.
- 3 Press the **FAV** button to select another favorite group.
- 4 Select channels that you want to edit using the **Arrow (▲/▼)** buttons in the **TV/Radio List** and press the **RED** button. Repeat steps from 3 to 4.
- 5 Press the **OK** button to confirm.



Channel Setup

Channel Setup >>Edit Channels

Edit Channels

You can rename the channel list.

Select **Edit Channels** using the **Arrow (▲/▼)** buttons on the Channel Setup menu and press the **OK** button.

- **FAV** button: Shows Favorite channel lists
- **Arrow (◀/▶)** buttons: Switches between TV and Radio channel lists



To rename the channel list

- 1 Select the channel you want to rename using the **Arrow (▲/▼)**, **PR+/-**, or **Page (+/-)** buttons and press the **GREEN** button. Font Table will appear.
- 2 Press the **BLUE** button to delete the selected channel name.
- 3 Select characters using the **Arrow** buttons and press the **RED** button to enter characters.
 - **YELLOW** button: Enters space
 - **BLUE** button: Hits the back space
 - **RED** button: Selects the input
- 4 Press the **OK** button to confirm.

*Note: Use the **YELLOW** key to rename favorite lists. See changing channel names for details how to change the text.*

Channel Setup

Channel Setup >> Software Manager

Software Manager

You can download the software of your receiver through satellite when the new software is available for your system. During download, don't turn off your receiver. In case of the power is turned off, turned on your receiver again to complete the download.

- 1 Select **Software manager** using the **Arrow** (**▲/▼**) buttons on the **Installation** menu and press the **OK** button.
 - **Software Upload:** Copies all the data from Master STB to Slave STB.
 - **Channel Upload:** Copies only the channel data from master STB to Slave STB. Connects both Master and Slave STB using RS232C Cable and then press the **OK** button on the **Software Upload** menu for the Master STB.
 - **OTA Software Download:** Main Software can be updated over the air.
 - **OTA Channel Download:** Channel Data can be updated over the air.

Info: OTA means that new software are updated „Over The Air“. New software also means there are new functions and fixed errors. Keep you software up to date with OTA Software Downloads



Parental Lock

You can lock the channels to prohibit unauthorized users from watching specific channels. Press the **Menu** button. Select **Parental Lock** using the **Arrow** (**◀/▶**) buttons on the main menu

Parental Lock >> Channel Lock

Channel Lock

Whenever you want to see the locked channel you will be prompted to enter the PIN Code in the dialog box.

- 1 Select **Channel Lock** using the **Arrow** (**▲/▼**) buttons on the Parental Lock menu and press the **OK** button.
- 2 Select the channel that you want to use the **Arrow** (**▲/▼**), **PR+/-**, **Page (+/-)**, or **Numeric (0~9)** buttons and press the **OK** button. Selected channel will be displayed with locking-marked. Press it again to clear.
 - Arrow** (**◀/▶**) buttons: Switches between TV and Radio List.
- 3 Press the **RED** button to confirm.



Jugendschutz

Parental Lock >> Lock Control

Lock Control

Whenever you want to use the locked system you will be prompted to enter the PIN Code in the request dialog box. Using **Arrow** (**▲/▼**) buttons and press **OK** button to select a lock status.

- **System Lock:** Select Lock or Unlock by using the **Arrow** (**◀/▶**) button. If Lock is selected, the front key function will be blocked.
- **Menu Lock:** Select Lock or Unlock by using the **Arrow** (**◀/▶**) button submenu Lock control will be available with **PIN code**.
- **Lock mode:** Select Once or Every time mode by using **Arrow** (**◀/▶**) button.
- **Once:** Input the pin code once on the channel change with Parental Lock.
- **Every time:** Input the pin code every time on the channel change with Parental Lock Save the changes with **OK** button



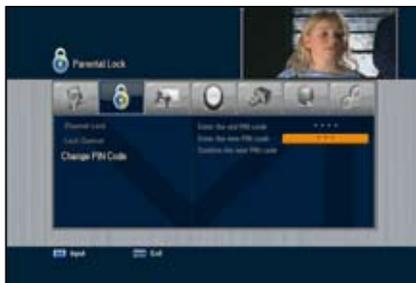
Parental Lock >> Change PIN Code

Change PIN Code

You can create a new PIN code in this menu.

“0000” is the default password.

- 1 Select **Change PIN Code** using the **Arrow** (**▲/▼**) buttons on the **Parental Lock, System Lock, Menu Lock** and press the **OK** button.
- 2 Enter the old PIN code.
- 3 Enter the new PIN code.
- 4 Enter the new PIN code again to confirm.



Note

- Please keep in mind that the PIN code must be a four-digit number. In case you forgot your PIN code, contact your local dealer..

Games

This product provides lots of games for your entertaining environment.

Select Game using the **Arrow** (**◀/▶**) buttons on the main menu.

- 1 Select a game using the **Arrow** (**▲/▼**) buttons on the Game menu and press the **OK** button.
- 2 According to the instruction displayed on screen, you can enjoy games using the **Arrow**, **Numeric** (**0~9**), and **OK** buttons.

Multimedia

Multimedia >> Internal Hard Drive

Connect the external HDD through SATA connector in the rear panel.

HDD must be compatible with FAT 32 file system.

If HDD is not compatible with FAT 32 File system, you need to change the file system.

By using personal computer with the format function.

1 **Playing the media files**

Select the media file with channel up/down buttons and press OK button.

2 **Software Update**

Select S/W files with channel up/down buttons and press Red key.

3 **Deleting files**

Select the files with channel up/down buttons and press Green key .

4 **Format**

Press yellow key to delete all the files in the storage device.



Multimedia >> USB 1 und USB 2

You can use external harddisks or USB storage devices (USB Stick) as data storage.

Note: All external Storage devices must be formatted with FAT 32. You can format your devices, if needed, by pressing the yellow key.

1 **Playback media files**

Select the mediafile you want to playback by navigating with your navigation keys and activate with OK. You can playback the following file formats:

Xvid, JPEG, MP3

MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson

2 **Software Update**

Select S/W files with channel up/down buttons and press Red key.

3 **Deleting files**

Select the files with channel up/down buttons and press Green key

4 **Format**

Press yellow key to delete all the files in the storage device.

Multimedia

Multimedia>> Network (optional)

- Before starting setup, please check if the Ethernet cable is connected to your receiver well.

- 1) TCP IP set up
Input the right information for the settings to the followings.
TCP/IP Type/ IP Address/ Net mask / Gateway/ DNS Type/ DNS Server

Note: The suggested setting is DHCP(Dynamic Host Configuration Protocol). This option configures your network automatically.



- 2) FTP Explorer
Press O.K. to connect the FTP Server
Select file and press Red Key for S/W update. You can download pictures, firmware and video files



Conditional Access

Conditional Access

- CI A Common Interface Slot 1
- CI B Common Interface Slot 2
- CAA Card reader 1
- CA B Card reader 2

Your receiver is equipped with 2 Common Interface Slots. In this Slots you can use every standard Common interface module : Irdeto, Viaccess, Cryptoworks, Conax und Mediaguard.

To watch scrambled channels you will need a common interface modul and a descrambling card that must match system wise.

Your card (provided by TV provider) must be slide in your common interface module. The Common Interface module must be positioned in on of the 2 CI slots.

You can access internal menus of your CIs via menu **Conditional Access**. Documentations about your card or module will be provided by your pay tv provider.

Beside CI slots your receiver is equipped with two card readers for smart cards.

The card readers support the following encryption systems:

- dgcrypt,
- conax,
- firecrypt,
- xcrypt,
- crypton

You can access internal menus of your smart cards via menu **Conditional Access**. Documentations about your cards will be provided by your pay tv provider.

Note: Informations about Common Interface Modules and smart cards will be provides by the provider who offers those only.

PVR Functions

In this Chapter we will explain setup and functions of your PVR(Personal Video Recorder) .

Multimedia >>PVR Settingt

Recording Limit Time:

You can setup the max.recording time for instant recording.

Timeshift Limit Time:

ere you can setup the max. Timeshift buffer. When timeshift reaches the max time it starts overwriting from the beginning.

Timeshift:

Choose between these options:

Auto: Timeshift start automatically in the backround.

Manuell: You have to start timeshift manually by pressing the Timeshift Button.

Extended Recordtime:

Adds a extra time to Timer duration. This extra time will added at the end of your timer.

Store and close by pressing the OK Button.

Note: *You can press Info at every menu entry to get helpfull informations related to the function on your screen.*



PVR Functions

Recordmodes

Timeshift: There are two timeshift modes available:

1. In Menu: **Multimedia >>PVR Setting** you can set Timeshift to autoTimeshift auf Auto, Timeshift will record a cetreihn amount of time automatically.

2. You start timeshift manually by pressing the timeshift button.



*Note: You can set the max Timeshift buffer in Menu-**Multimedia >>PVR Setting**.*

You can stop timeshift by pressing the timeshift button followed by pressing the Stop key.

Instant Record:

You can start a record everytime by pressing the record button. A popup allow you to use EPG data to record until the end of the current event. Otherwise you record the max. record time. You can stop recording by pressing Stop or wait until the4 end of the event or the max. recordtime has reached.

Intant stop can be accomplished by pressing Stop Button twice.

*Note: The max Recordtime can be set in menu **Multimedia >>PVR Setting**.*

You are able to record two events at nthe same time and use timeshift for a third programm on one of those two carriers you are already recording from.

Note: In Channelist , channels that will be recorded or a timer was set on will be marked with a „R“ and a color filling.

What is timeshift? *Timeshift allows you to watch programmes timeshifted. You can stop the live programm and start watchuing it to a more convinient time or you can watch programmes that still be recorded even before the record is actually not finished yet.*

In practice, hwen you get a call hust press Pause, answer your call and if you are finshed press Pause again and you can follow the programm just from that point youve pressed pause.

PVR Functions

Timer records:

A Timer let your box start , switch to the chosen channel and start recording automatically. After ending this task the Receiver will fall back in his original mode (Standby).

You can open the Timer menu by pressing the Timer button or choose Timer menu out of the System menu.



Pick start and end time, if you want to do a record and the channel you wish to record as well.

Store your settings by pressing the OK Button

Note: You can set up to 40 Timers.

Timer recording out of EPG (Guide)

You can set Time in EPG as well

Please follow these steps:

1. Start EPG by pressing the **Guide** Button.
2. Use the navigation keys to choose a event in your EPG.
3. To set a timer press the **Green** Button.
4. A popup will appear , here you can set several parameters of your event recording Start and End time, record mode (once, daily, weekly or off), the channel, standby (you can set a state that your box turn to after recording), Filename and target device.
5. Store your settings by using the **OK** button.

PVR Functions

Vantage Player Functions:

Start the Vantage Player by pressing the Media Key at your remote control. Your file list will appear now.

Note: You can control your Vantage player bei moving the cursor with your navigation keys and activate a function with your OK button.

You have the following options:

<< fast rewind

>> fast forward

Note: The speed you moving back and forth will be controlled by pressing the ffw or rew button multiple times.

Page keys: You can jump 10 percent wise back and forth by using this buttons.

Media keys: You can open your File list at every given time by pressing the Media key.

Stop key: Stop playback.

Pause key: You can pause playback by pressing the pause button. Pressing it again returns to playback.

Info key: Pressing it once show you the controls of the vantage player. Pressing it twice it will show you information about the current file.



PVR Functions

Vantage Player Functions

The Cut function

The Vantage player allow you to cut your re-
corded files. Using this function allow to cut out
commercial breaks for instance.

Start Cutting by pressing the **Zoom (⊕) Button** in
Playback mode.

Function keys:

Arrow keys (◀/▶): Move for and backwards within a
recorded file up to the point you want to start or end cutting.

Arrow keys (▲/▼): Use this keys to switch between cut and bookmark mode.

FAV Key: press the **FAV Button** to mark the point where you want start cutting, move to the end point
of the area you want to cut out and press **FAV** again. At this point a menu pops up and offer you to cut
the marked area. Please choose yes and confirm with **OK**.

Red Key: You can delete your marks by pressing the **RED Button**. You can delete Bookmarks the
same way.

Bookmark functions:

Arrow keys (◀/▶): Move for and backwards within
a recorded file up to the point you want to set a
bookmark.

FAV Key: Use the **FAV Button** to set Bookmarks in a
recorded file. You can use the **FAV** button in playback
mode to jump to your bookmarks.



Comfort features

In this chapter we introduce you to some comfort function of your STB.

PiP: Picture in Picture

You can start PiP by pressing the **PiP Key** . In this mode your program will move to a small picture in the upper right quadrant of your screen. You can now change the channel on your main screen by using the **numeric Keys**, **CH+/- Keys** or by using the channel list.

Press the **SWAP** Key to switch between your PiP and Main screen.

Finish this function by pressing the **PiP Key**.

MoSAic

Press the **RED** Button (**MoSAic**) to open up this function. You can choose from a menu how many screens you wan to use for this feature. You can choose between 2 x 2 pictures or 2 x 3. In this mode you get an overview about 4 or 6 channels on your screen. The actual pictures will be refreshed one after another. You can switch to next channels in your channel list by pressing the Blue Button and move backwards with the **RED** Button. You can use your navigation keys to move to every of this small screens and activate it to live mode using the **OK** button. If you want to see a this channel on your main screen press **OK** again.

Teletext Navigation

Open Teletext by pressing the **Text** Button. A popup menu let you (if available) choose between teletext languages. Choose your language and confirm with **OK**. Now you can use teletext services you can go to teletext sites directly by addressing it with your **numeric** keys or you can move site wise with your **Up** and **Down** Keys.

Favorites

Your Receivers offers the opportunity to organize your favorite channels in so called favorite lists: (see page 33/34)

You can access your Fav lists directly by pressing the **FAV** Button. Push the button again to move to the next Fav list Please press this button again to move back to your main channel list.

Troubleshooting

Problem	Solution
<p>No display LED on the front panel. No power supply</p>	<p>Plug the power cord correctly.</p>
<p>No picture.</p>	<p>Ensure that the STB is switched on. Check the connection status. Check channels and Video output status.</p>
<p>Poor picture quality.</p>	<p>Check the signal level If this is too low, try adjusting the alignment of your dish.</p>
<p>No sound.</p>	<p>Check the volume level of the TV and STB Check the mute status of the TV and STB Check the connection of audio cable.</p>
<p>Remote Control does not operate.</p>	<p>Point remote control directly towards your receiver. Check and replace batteries. Check if anything blocks the front panel.</p>
<p>Service is not running or scrambled.</p>	<p>Make sure the smart card is appropriate for the selected service.</p>
<p>You have forgotten your PIN code.</p>	<p>See chapter 5, "Parental Lock" in this User's manual.</p>

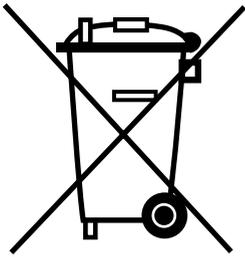
Specifications

TUNER & CHANNE		
Satellite(DVB-S2) 2 Tuners	Input Frequency	950-2150MHz
	Input connector	F-type, IEC 169-24, Female
	Symbol Rate	DVB-S2:10-30Ms/s(QPSK),10-31Ms/s(8PSK) 2-45Ms/s
	Demodulation	QPSK, 8PSK
	Convolution code rate	DVB-S2: Auto1/2,2/3,3/4,3/5,4/5,5/6,8/9,9/10(8PSK) Auto 2/3,3/4,3/5,5/6,8/9,9/10(8PSK) DVB-S: Auto1/2,2/3,3/4,5/6,7/8
	LNB Power & Polarization	Vertical: DC13.5V Horizontal: DC18V Current: MAX. 500mA Overload Protection
	22KHz Tone DiSEqC Control	Frequency : 22KHz +/- 1KHz Amplitude : 0.6V +/- 0.2V Version 1.1,1.2,USALS & Uncable
Terrestrial(DVB-T)	Input Frequency(Europe)	VHF : 174~230MHz UHF : 470-860MHz
	Channel Bandwidth	7MHz(for VHF), 8MHz (for UHF)
	Input connector	IEC 169-2, Female (RF IN).
	Demodulation	COFDM 2K/8K-Carrier
	FEC Mode rate	1/2,2/3,3/4,5/6,7/8
Guard Interval Modes	1/32, 1/16,1/8, 1/4 active symbol duration	
Switching Mode Power Supply		
Satellite	Input Voltage	AC100-250V~,50/60Hz
	Power Consumption	MAX.50W (Standby: Less than 3W)
Terrestrial	Input Voltage	AC100-250V~,50/60Hz
	Power Consumption	MAX.35W (Standby: Less than 3W)
MPEG TS A/V Decoding		
Transport Stream	MPEG-2 ISO/IEC 1318-1	
Profile Level	MPEG-2 MP@ML MPEG-2 MP@HL, MPEG-4 AVC/H.264 HP@L4	
Aspect Ratio	4:3, 16:9, Letter Box	
Video Resolution	1080i, 720p, 576p	
Audio Decoding	MPEG-1, Musicam Layers 1 & 2	
Audio Mode	Single channel/Dual channel/Joint Stereo/Stereo	
Sampling Rate	32,44,1& 48KHz	

Specifications

System Resources	
Main Processor	ST40 CPU core: 266MHz(STI7101)
Flash Memory	8 Mbyte (Optional Expand)
Video DDR SDRAM	64 Mbyte (Optional Expand)
System DDR SDRAM	64 Mbyte (Optional Expand)
EEPROM	8Kbyte
A/V & Interfaces	
Digital output(HD)	HDMI(TMDS main video output) YPbPr
TV-Scart & RCA(SD)	Video : CVBS / RGB output Audio : L/R output
VCR-Scart(SD)	Video : CVBS output / CVBS input bypass Audio : L/R output / L,R input bypass
Digital Audio output	Digital AC-3 Decoding output Digital Audio Bitstream output(S/PDIF)
S-Video	Video : S-Video output
RS-232C	Transfer rate 115.2Kbps, 9 pin D-sub type
PVR Ready(Optional)	USB2.0 High speed host controller Serial ATA hard-disk drive support
Network (Optional)	Fast Ethernet (10/100) Direct access arrangement modem PSTN Modem(V.24) Modem analog front end(MAFE/DAA) interface
Conditional Access System	
PCMCIA (Optional)	2 Slot of DVB-CI
Smart Card(Optional)	2 Smart card Reader for Embedded CAS like
Front panel	
Display	Dot-Matrix VFD (Vacuum Fluorescent Display)
Keys	Touch pad 7Keys
Accessories	
RCU	IR(Freq. : 38Khz), Battery : 2x1.5V AAA
HDMI Cable	1.5M
Manual	
Physical Specification	
Size (W x H x D)	375 x 60 X 230mm
Net Weight	3.5Kg
Operation Temperature	0~50 C
Storage Temperature	-10~+60 C
Lager Temperatur	-10~+60 C

This Manual is based on Firmware version: 02.20T-O .



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, Please separate this from other types of wastes and recycled it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of

where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Glossary

DiSEqC:

is a special communication protocol for use between a satellite receiver and a device such as a multi-dish switch or a small dish antenna rotor. DiSEqC was developed by European satellite provider Eutelsat, which now acts as the standards agency for the protocol.

DiSEqC is available in several versions:

DiSEqC 1.0, which allows switching between up to 4 satellite sources

DiSEqC 1.1, which allows switching between up to 16 sources

DiSEqC 1.2, which allows switching between up to 16 sources, and control of a simple horizontal-panning satellite motor

DiSEqC 2.0, which adds bi-directional communications to DiSEqC 1.0

DiSEqC 2.1, which adds bi-directional communications to DiSEqC 1.1

DiSEqC 2.2, which adds bi-directional communications to DiSEqC 1.2

Symbolrate:

This value indicates the data transfer speed. If you need this information to setup your receiver (satellitescan) you will find it for instance under: www.lyngsat.com.

Polarization:

Satellite reception works with two polarizations. That is because the bandwidth capacity can be used more efficient.

In the European area the polarizations usually are divided in vertical and horizontal layers. Receiver access those layers by using different power thru ZF. 14 V for vertical and 18V for horizontal.

22KHz:

Das 22 KHz Signal wird benutzt um im LNB zwischen den zwei vorhandenen Frequenzbereichen umzuschalten.

lower frequency range:

The **lower frequency range** is 10.70 - 11.70 GHz (input frequency)

upper frequency range:

The **upper frequency range** is 10.70 - 11.70 GHz (input frequency)

SPDIF

S/PDIF specifies a Data Link Layer protocol and choice of Physical Layer specifications for carrying digital audio signals between devices and stereo components. The name stands for Sony/Philips Digital Interconnect Format (more commonly known as Sony Philips Digital InterFace), the two companies being the primary designers of the S/PDIF format

Common Interface Module:

CI Modules (Common Interface) are interfaces between STB and smartcard. There are many different types of CI Modules available. The decision which one have to be used depends on the cryptsystem your TV provider is actually using. CI Modules are physical PCMCIA cards.

EPG:**Electronic programm guide**

An Electronic Program(me) Guide (EPG) or Interactive Program(me) Guide (IPG) or Electronic Service Guide (ESG) is an on-screen guide to scheduled broadcast television or radio programs, typically with functions allowing a viewer to navigate, select, and discover content by time, title, channel, genre, etc. by use of their remote control, a keyboard, or other input devices such as a phone keypad.

HDMI: High Definition Multimedia Interface

The High-Definition Multimedia Interface (HDMI) is a compact audio/video connector interface for transmitting uncompressed digital streams. It represents a digital alternative to consumer analog standards such as Radio Frequency (RF) coaxial cable, composite video, S-Video, SCART, component video, D-Terminal, and VGA. HDMI connects digital audio/video sources such as set-top boxes, Blu-ray Disc players, personal computers, video game consoles, and AV receivers to compatible digital audio devices, computer monitors, and digital televisions.

OSD: On Screen Display

Is a graphical menu on the screen that allow you to control and setup your Receiver. One can control it by using a remote control or control buttons at the front display of your STB. The OSD is available in multiple languages.

High Definition Television:

(High-definition television (HDTV) is a digital television broadcasting system with higher resolution than traditional television systems (SDTV) . HDTV is digitally broadcast because digital television (DTV) requires less bandwidth if sufficient video compression is used

RGB:

The RGB color model is an additive color model in which red, green, and blue light are added together in various ways to reproduce a broad array of colors. The name of the model comes from the initials of the three additive primary colors, red, green, and blue.

YUV: older but common name for Component Video or YPbPr.

YPbPr is a color space used in video electronics, in particular in reference to component video cables. YPBPR is the analog version of the YCBCR color space; the two are numerically equivalent, but YPBPR is designed for use in analog systems whereas YCBCR is intended for digital video.

Composite Video:

Composite video is the format of an analog television (picture only) signal before it is combined with a sound signal and modulated onto an RF carrier.

Composite video is often designated by the CVBS acronym, meaning any of “Color, Video, Blank and Sync”, “Composite Video Baseband Signal”, “Composite Video Burst Signal”, or “Composite Video with Burst and Sync”.

Letterbox:

Letterboxing is the practice of transferring widescreen film to video formats while preserving the film’s original aspect ratio. On video displays with a 4:3 aspect ratio, the resulting videographic image has mattes (black bars) above and below it; LTBX is the identifying acronym for films and images so formatted

Pan & Scan:

Pan and scan is one method of adjusting widescreen film images so that they can be shown within the proportions of a standard definition 4:3 aspect ratio television screen, often cropping off the sides of the original widescreen image to focus on the composition’s most important aspects. Some film directors and film enthusiasts disagree with pan and scan cropping, because it can remove up to 45% (on 2.35:1 films) of the original image, changing the director’s original vision and intentions. The vertical equivalent is known as “tilt and scan” or “reverse pan and scan”.

Dolby Digital (or ATSC A/52 and AC-3) is a multi channel -Soundsystem of Dolby labs. Its been used in movies, DVDs and digital TV transmissions.

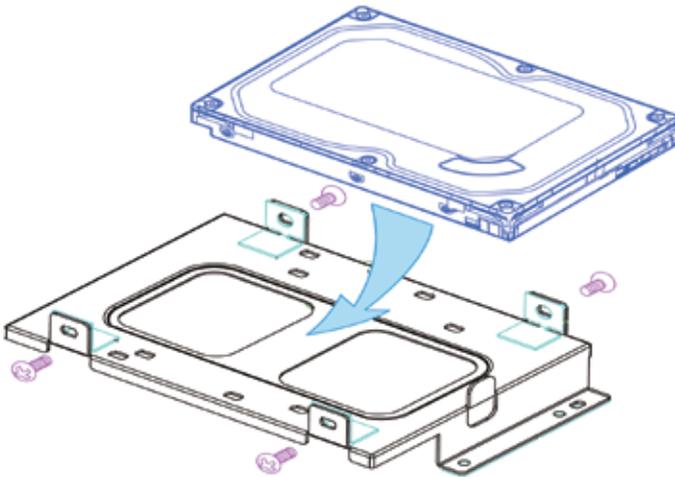
PCM: Puls-Code-Modulation

Pulse-code modulation (PCM) is a digital representation of an analog signal where the magnitude of the signal is sampled regularly at uniform intervals, then quantized to a series of symbols in a numeric (usually binary) code. PCM has been used in digital telephone systems and 1980s-era electronic musical keyboards. It is also the standard form for digital audio in computers and the compact disc “red book” format. It is also standard in digital video.

Mounting a internal harrdisk:

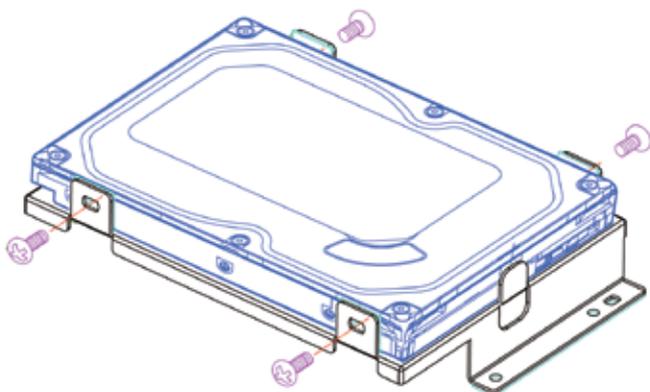
Note: For security reasons only expeired users should open a Receiver. Please disconnect your box from Power befor open it.

1. Please open the housing of your receiver by untighten the screws.
2. Take the harddisk tray and hadrdisk screws (in the box) to tighten your hard disk at it.Please use a 3,5" Sata harddisk.

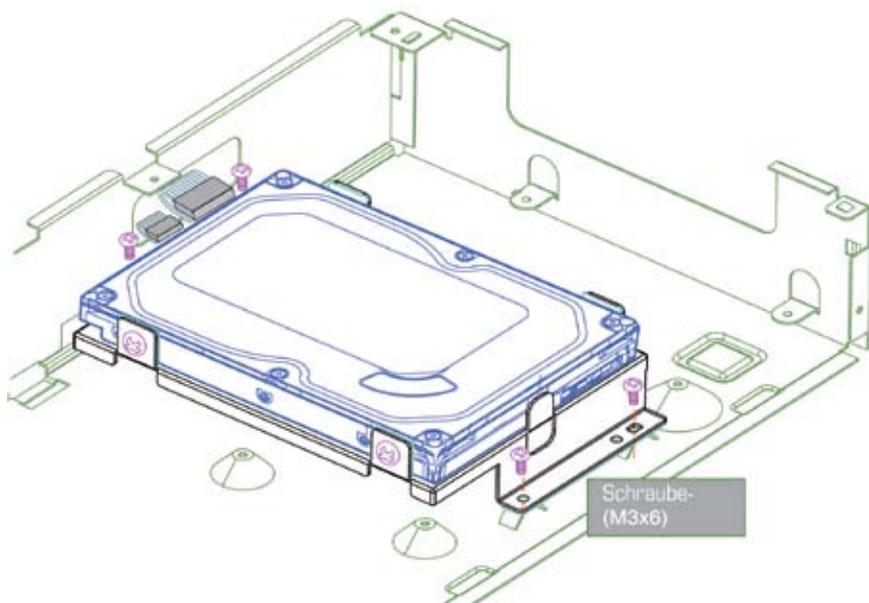


3. Tighten your screws over cross to avoid tensions.

Note: Please be carefull when build in a hard disk by yourself in order to avoid damage at your receiver. Please use proper tools .



4. Set the harddisk tray into your box end mount it with the set of screws.

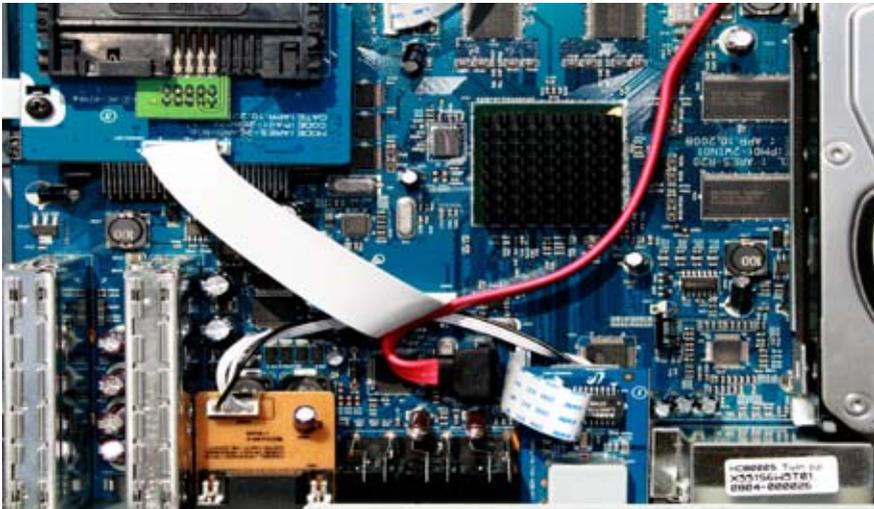


5. Connect power and SATA (red cable) to your hard disk.
6. Please make sure youve connected your hard disk properly.(lease see the connectors on the figure below) move on with step 7.

Connectors at your HDD



Connectors at your Mainboard



7. Close the case using the screws.
8. Reconnect your STB with the power cord and put it on.
9. Please read from site 38 about using and initializing your harddisk.

