dreambox

DM 8000 HD PVR DVD

Instruction Manual

Digital satellite receiver for free and encrypted Digital Video Broadcasting (DVB) with optional digital recording capability.

TWIN HDTV

Ethernet-Port 10/100 MBit
prepared for WiFi (slot and antenna)
internal MiniPCI socket
internal harddisk connector
prepared for internal DVD-Drive

TWIN DVB-S2 Tuner
2 x Plug&Play Tuner slots

2 x Smartcard Reader
4 x Common Interface
3 x USB2.0
SD-Card-Reader
CF-Card-Reader
DVI/YPbPr/S-Video/2 x Scart
contrasty OLED
Linux OS

DVB Digital Video Broadcasting | Stab - USALS UNIVERSAL SATELLITES AUTOMATIC LOCATION SYSTEM | DOLBY DIGITAL Streaming

dreambox
discover more.

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The Dreambox DM 8000 HD PVR DVD carries the CE-Sign and fulfills all requirements from the EU.

Subject to change without prior notification.

DiSEqC^{TM} is a registered trademark of EUTELSAT.

Dolby and the Double-D-Symbol are registered trademarks of Dolby Laboratories.

1. Before initial operation of the receiver

1.1 Safety instructions

Please read the safety instructions completely and carefully, before using the Dreambox.
The Manufacturer takes no responsibility for damages as a result of incorrect handling of the Dreambox.

- Allow enough space around the Dreambox for sufficient ventilation.

- Do not cover the top of the Dreambox and allow enough space to other devices. The louvers of the devices must be free at all times to allow sufficient heat transfer from inside the device. If needed a fan can be added.

- Never put vases or any other liquid filled containers on top of the device. Do not expose the device to dripping or splashing liquids.

- Do not place open flame sources, such as lit candles, on top of the device.

- The device may only be operated in moderate climate.

- Do not remove the cover. Risk of electric shock. If it is necessary to open the device please contact a trained professional.

```
   /B\        /!\
  C A U T I O N
RISK OF ELECTRIC SHOCK
     DO NOT OPEN
```

- Do not put any metal things into the slots or ventilation openings.

- The installation of a hard disk/DVD-Drive/tuner is only allowed by skilled personal or your local dealer.

Attention!

Modifications and changes to the Dreambox lead to loss of warranty if not performed and documented by skilled personal.

We recommend the installation of a hard disk by your local dealer.
Unskilled installation of a hard disk leads to loss of warranty.

Shut down

- In case your Dreambox is in use for a longer period of time disconnect the power plug from the power outlet.

- During thunder storm the unit should also be physically disconnected from the power outlet.

Additional safety instructions

- (Dis-)Connecting to a LNB:
  Turn the Dreambox off before you connect or disconnect a cable coming from or going to a LNB.

- Connecting to a TV:
  Before connecting or disconnecting your Dreambox to/from a TV please turn it off.
- In case you notice any damage to the power cord or power plug immediately disconnect the device from the power outlet.

- In case the device was exposed to humidity immediately disconnect the device from the power outlet.

- In case you notice any serious damage to the outer shell of the device immediately disconnect the device from the power outlet.

- Do not expose the Dreambox to direct sunlight, lightning or rain.

- Grounding:
  The LNB cable must be grounded.
  The grounding system must meet SABS 061 requirements.

- Cleaning:
  Disconnect the mains power cord before cleaning the cover. Use a slightly damp cloth without cleaning agents.

- Connect the Dreambox only to suitable sockets. Do not allow overloads to occur.

- Please be careful that the batteries of your remote control are not exposed to heat, since they might explode.

Disposal instructions

The packaging of the Dreambox only consists of reusable materials. Please recycle if possible.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Please note that empty batteries and electric waste is not to be put into the regular garbage.

1.2 Packaging contents

Please check the completeness of the box's contents.
Included in box:

Dreambox DM 8000 HD PVR DVD

Remote control

2 Batteries
(1,5V Mignon / AA / LR6)

1 DVI to HDMI cable

1 User manual
(most recent version online:
http://www.dream-multimedia-tv.de)

1 Power cord

1 DVD adapter

1 SATA cable for a for a 2,5"
SATA-Harddisk including power
cord for a DVD-Drive

• Screws for attachment of HDD and DVD-Drive

1.3 Views

Front view
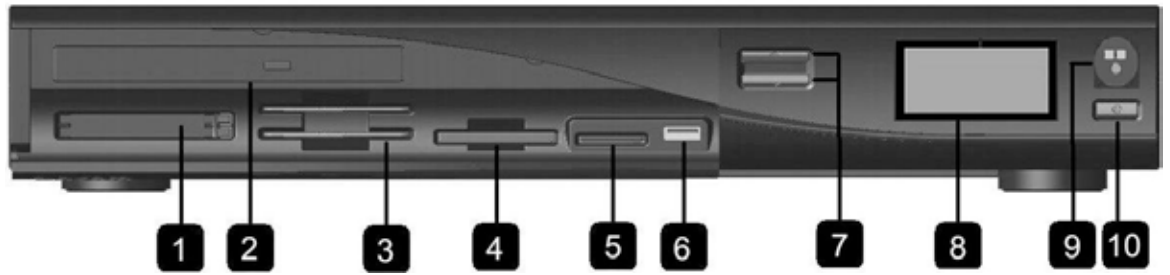
Rear view
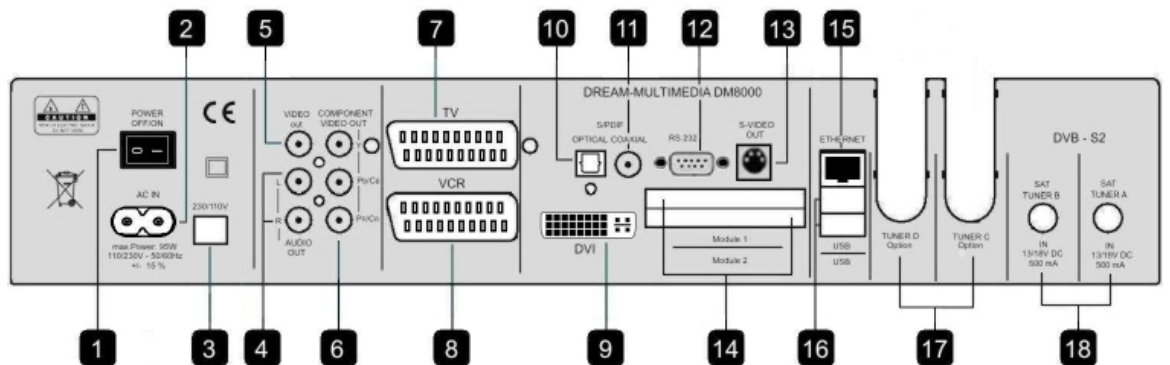
Front view

1. 2 CI-Slots
2. CD- or DVD-Drive (optional)
3. 2 Smartcard Readers
4. Compact Flash Slot
5. SD/MMC-Slot
6. USB-Ports
7. Channel up/down
8. OLED-Display
9. Remote control sensor
10. Power button

Rear view

1. Mains switch
2. Mains connection
3. Voltage selector 230V/110V
4. Analog audio out (RCA)
5. Composite video out
6. YPbPr out
7. TV-Scart
8. VCR-Scart
9. DVI out
10. Optical audio out digital (Toslink)
11. Coaxial audio out digital
12. Serial port (RS-232)
13. S-Video out
14. CI-Slots
15. Ethernet port
16. 2 USB 2.0 ports
17. Optional tuner slots
18. DVB-S2 Tuner

1.3.1 Explanation Front Panel

1. CI-Slot

Plug in here any CI- Module of your choice. Please press the release button right next to the CI-Slot to remove a module.

2. CD- or DVD-Drive (optional)

You can insert a slimline CD- or DVD-Drive into this slot. Slimline drives are used in notebooks for example. The drive is not part of packaging contents.

3. Smartcard reader

Insert your Dreamcrypt Smartcard with the golden chip facing down and forward into one of the two Smartcard reader slots. Dreamcrypt is a registered trademark of Dream-Multimedia.

4. Compact Flash Slot

The Compact Flash Slot is meant to hold a Compact Flash Module.

5. SD/MMC Slot

The SD/MMC Slot is meant to hold a SD/MMC-Card used in digital cameras for example.

6. USB 2.0 Port

The USB 2.0 port is meant to connect USB 2.0 compliant devices. The extend of the supported devices depends on the software and is always under further development.

7. Channel up/down

Using the channel-up and -down buttons you can switch the channels directly on your Dreambox.

8. OLED-Display

The OLED-Display shows all major information.

9. Remote control sensor

The remote control sensor receives the infrared signals of the Dream Remote Control.

10. Power button

The Power-Button switches your Dreambox on and off.

1.3.2 Explanation rear panel

1. Mains switch

The main power switch shuts off power from your Dreambox.
!!! IMPORTANT !!! Before opening the device, always pull the power plug **!!! IMPORTANT !!!**

2. Mains connection

Plug the power cable into the main power socket. You must not connect the power plug to anything other than a socket that supplies 110V/60Hz or 230V/50Hz.

3. Volatge selector 230V/110V

Using this switch the Dreambox can be used in countries with 110V mains power, as in the USA for example. Move the switch to the 110V position to acieve this.

!!! WARNING !!! Check that the switch is in the right position before switching on your Dreambox. Otherwise irreversible damages might result.

4. Analog audio out (RCA)

Connect your Dreambox with a RCA/Cinch cable to your HiFi-Amplifier (e.g. AUX In or Tape In ports).

5. Video out (Composite)

You can optionally connect your Dreambox to a TV using a RCA/Chinch cable.

6. YPbPr out

Connect your Dreamboxes' YPbPr out to a device with a YPbPr in, like a Beamer for example.

7. TV Scart

Connect your TV, projector or beamer to your Dreambox using a Scart cable.

8. VCR Scart

Connect your VCR or DVD player to your Dreambox using a Scart cable. Remember, the VCR Scart is not designed to record a video signal from the VCR or DVD player. The signal of the connected device is looped through to the TV-Scart connector, incase you have selected VCR Scart in the main menu. Note: You cannot record any signals onto your Dreambox using this connector.

9. DVI out

You can connect a TV to the DVI out of your Dreambox if your TV has the right input.

10. Digital audio out digital (Toslink)

You can connect your Dreambox with an optical (Toslink) cable to your HiFi-Amplifier or DSP. The AC3 signal is also available at this port in case the selected channel transmits Dolby Digital signals.

11. Coaxial audio out digital

You can connect your Dreambox with an coaxial cable to your HiFi-Amplifier or DSP. The AC3 signal is also available at this port in case the selected channel transmits Dolby Digital signals.

12. Serial port (RS232C, Sub-D, 9-pol.)

The Serial Port is used as a service port to update the operating system. Please connect a serial null modem cable here.

13. S-Video out

Connect your Dreamboxes' S-Video out to a device with a S-Video in, like a Beamer for example.

14. CI-Slots

Plug in here any CI- Module of your choice.

15. Network interface (Ethernet 10/100Mbit, RJ45)

The Communication Port is an Ethernet port. It is used to communicate with your Dreambox via HTTP, FTP, NFS, Telnet, SSH and Samba to access your recorded movies, to upload channel lists, etc. This port is also used to update the operating system of your Dreambox. Please use a regular patch cable to connect your Dreambox to your LAN.

16. USB 2.0 ports

The USB 2.0 Port is designed for devices that support the USB 2.0 standard. The amount of supported USB devices depends on the installed image (Software) and is still under development.

17. Optional tuner slots

Slot C: LNB in (DVB-S Tuner)

Connect the coaxial cable from your LNB here.

Slot D: LNB in (DVB-S Tuner)

Connect the second coaxial cable from your LNB here. If you don't have a second coaxial cable from your LNB available you can optionally use a coaxial cable to connect the Slot C LNB out with the Slot D LNB in. This offers you the option to have more channels available for parallel recording.

Slots C and D: LNB and LNB out (DVB-S Tuner)

You can connect an analog/digital receiver here. Remember to shutdown your Dreambox into Deep-Standby-Mode in order for the receiver to work.

Antenna in (DVB-C/T Tuner)

Connect the coaxial cable from your antenna here.

Antenna out (DVB-C/T Tuner)

You can optionally connect your TV or VCR here

18. DVB-S2 Tuner

Sat Tuner A

Connect the coaxial cable from your LNB here.

Sat Tuner B

Connect the second coaxial cable from your LNB here. If you don't have a second coaxial cable from your LNB available you can link Tuner A and Tuner B in the setup of your Dreambox. You do not need an external connection cable.
This offers you the option to have more channels available for parallel recording.

1.4 Remote control

SHIFT / SETUP-Button

Power -Button

DREAM-Mode-Button

TV-Mode-Button

Numeric Keypad

Arrow-Left-Button

Arrow-Right-Button

Mute-Button

EXIT-Button

Volume +/- Buttons

Bouquet +/- Buttons

Info-Button

MENU-Button

Navigation-Buttons

OK-Button

HELP-Button

PVR-Button

Options-Buttons

Rewind-Button

Fast Forward-Button

PLAY/PAUSE-Button

STOP -Button

TV -Button

Record-Button

RADIO -Button

TEXT -Button

Important notes about operation

All functions of the Dreambox can be controlled via OSD-Menu (On-Screen-Display). This makes the han-

dling of the Dreambox very easy for you. All options are indicated by four colored dots or beams (**red, green, yellow, blue**) in the OSD-Menu and can be started with the Option-Buttons on the Remote Control.

Depending on the chosen Menu, these options do vary.

Pressing the **PVR-Button** on your remote control will activate the PVR-Mode. The Infobar will also indicate this. It changes from showing the channel information to showing the control symbols for the PVR-Mode. (also see 7.2.1. Instant recording)

All Menus and Service lists are closed with the **EXIT-Button**.
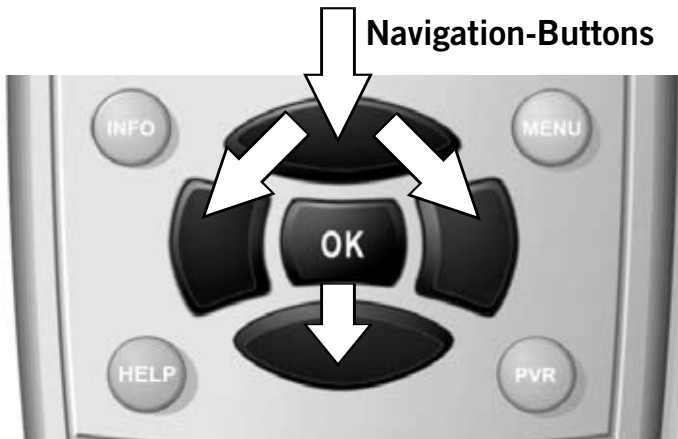
Navigation-Buttons

In general the menus are controlled using the **Navigation-Buttons** on your remote control.

To get into a submenu you have to press the **OK-Button**.

Explanation remote control buttons

SHIFT / SETUP-Button

The **SHIFT/ SETUP-Button** is used to preprogram the remote control to operate a TV.
See chapter 17. TV-Mode setup.

Power-Button

The **Power-Button** switches your Dreambox on and off.
See chapter 4.1 Turning your Dreambox on and off.

DREAM-Mode-Button

The **DREAM-Mode-Button** switches your remote control into Dreambox control mode. It will shortly light up once your press the button.

TV-Mode-Button

The **TV-Mode-Button** switches your remote control into TV control mode to control your preprogrammed TV. It will shortly light up once your press the button.
See chapter 17. TV-Mode setup.

Numeric-Keypad

Enter a service number to directly access the option by using the **Numeric Keypad**. The service numbers are on the left side of the service list.

The **Numeric Keypad** can also be used to enter the teletext page number when you are in TV-Control-Mode and if your TV is teletext capable. The TV station has to submit teletext information; otherwise this feature cannot be used.

Arrow-Left-Button   Arrow-Right-Button

The **Arrow-Left** and **Arrow-Right-Button** enable you to jump back and forth between the last 20 channels you have watched. If you have selected a sub service (see chapter 4.6) you can use these buttons to switch to the next sub service. Additionally these buttons can be used to delete characters during text input.

Mute-Button

Pressing the **MUTE-Button** mutes the Volume. A crossed speaker symbol will appear on the TV screen. Pressing it again or pressing one of the **Volume +/- Buttons** brings back the audio.

The Mute-Button deletes a character during text input.

EXIT-Button

You can leave all menus and service lists by pressing the **EXIT-Button**.

Volume +/- Buttons

The **Volume +/- Buttons** control the volume of the audio. Pressing + will make turn it up and pressing - will turn it down.

Bouquet +/- Buttons

Pressing the **Bouquet +/- Buttons** will jump back and forth between the bouquets.

INFO-Button

If no OSD menu is visible on the screen and you are in TV or RADIO-Mode, pressing the **INFO-Button** will reveal the EPG information of the chose channel if it is available.

Navigation-Buttons

In general the menus are controlled using the **Navigation-Buttons** on your remote control.
To get into a submenu you have to press the **OK-Button**.

OK-Button

By pressing the OK-Button you confirm a selection in the menu or service list navigation.

If no OSD menu is present on your screen, the infobar is shown once you press the **OK-Button**.

MENU-Button

If you are in TV- or RADIO-Mode, pressing this button will bring up the OSD main menu. The OSD main menu has the following options:

Main menu

Main menu

Subtitles
Media player
DVD Player
Timer
VCR scart
Information
Plugins
Setup
Standby / Restart

You can switch to the needed option by pressing the **Navigation-Buttons** up or down.

If you are in the service list, pressing the **MENU-Button** brings up the service menu. The shown options may vary depending on the service list you selected.

HELP-Button

Pressing the **HELP-Button** shows the help menu.

PVR-Button

Pressing the PVR-Button activates the **PVR-Mode**. The Infobar will show the control symbols. You can instantly start recording by pressing the red **Options-Button** on your remote control.

Options-Buttons/(PVR-Mode)

All possible options are shown by the four colored dots/blocks (red, green, yellow, blue) and can be activated by the **Options-Buttons**.

Depending on the menu you currently are in the options will change and will be named differently.

Rewind-Button

Use the **Rewind-Button** to rewind during playback of a recording.

PLAY/PAUSE-Button

Use the **PLAY/Pause-Button** to pause or resume during playback of a recording.

STOP-Button

Use the **STOP-Button** to stop the playback of a recording or to stop the timeshift mode.

Fast Forward-Button

Use the **Fast Forward-Button** to fast forward during playback of a recording.

TV-Button

Pressing the **TV-Button** activates the TV-Mode.

RADIO-Button

Pressing the **RADIO**-Button activates the **RADIO**-Mode.

TEXT-Button

The **TEXT-**Button activates the Teletext.

Record-Button

Use the Record-Button to start an instant recording.

2. Installation

2.1 Turning the device on

- Place the batteries inside the battery compartment of the remote control keeping in mind the right polarity.

- Before using the Dreambox, please read the safety instructions (See chapter 1.1 Safety instructions)

- Connect the LNB or antenna with a coaxial cable to Tuner A and B in or Antenna in at your Dreambox. See chapter 1.3.2 Explanation rear panel.

- Connect the Dreambox to your TV using a DVI-, YPbPr- or Scart-cable. If available connect your DVD Player or VCR to the VCR Scart of the Dreambox.

Attention!

It is essential that you check the voltage selector for the right position. Otherwise irreversible damages to your Dreambox might result!!!

- Plug in the power cable into the Dreambox and then into a 110V/60Hz or 230V/50Hzpower socket.

- If you are using a switchable power socket please shutdown your Dreambox into deep standby before switching off the power socket. See chapter 4.1 Turning your Dreambox on and off.

- If you switch on your Dreambox for the first time, you will see the setup wizard.
  The setup wizard will guide you through the first time installation. Follow the instructions on the screen.
  See chapter 3. Start wizard.

- Please note that the factory setting for the video format is CVBS (FBAS).

3.Start wizard

The start wizard helps you with the basic setup of your Dreambox.

3.1 Video output selection

You will be shown different video output modes for roughly 10 seconds, after you have connected and switched on your Dreambox. Once you see a clear picture on your TV screen press the **OK-Button** to select it. If you prefer a different output than the selected one you can use the **Navigations-Buttons up/down** and the **OK-Button** to select it.

You can choose from the following video output options:
1. **DVI**
using a DVI or DVI-to-HDMI cable
2. **Scart**
using a Scart cable
3. **YPbPr (YUV)**
using a component cable

Select your desired option with the **Navigation-Buttons** up and down. Press the **OK-Button** to activate.
You are taken to the next step.

You can now select the video mode.

The possible options strongly depend on the video output mode you have selected in the step before. To learn more about the options refer to chapter 11.4 Audio / Video.

Select your desired option with the **Navigation-Buttons** up and down. Press the **OK-Button** to activate.

You are taken to the next step.

Your Dreambox will now test if you TV can display 50Hz at the before set resolution. If your screen stays black just wait 20 seconds and the picture will be automatically returned to 60Hz.

To start the test press the OK-Button.

You can see the result on your screen.

Finally you can adjust the screen using some test screens.

Select your desired option with the **Navigation-Buttons up** and **down**. Press the **OK-Button** to activate.

The video outputz should now be configured.

3.2 Language selection

Select your desired and language with the **Navigation-Buttons up** and **down**. Press the **OK-Button** to activate.

The start wizard takes you through the basic setup of your Dreambox.

Press the **OK-Button** on your remote control to get to the next step.

You will be asked if you want to set the basic settings for your Dreambox now or if you want to quit the start wizard.

Using the **Navigation-Buttons up** and **down** select your desired option and press the **OK-Button** to activate your selection.

If you choose "User wizard to setup basic features" you will be taken to the menu for the tuner configuration.

3.3 Tuner setup

Detailed information about the tuner setup can be found in chapter 12.1 DVB-S Tuner configuration.

3.4 Default services list/Service scan

Depending on your tuner configuration in the previous step, you might be offered to install default services lists. Otherwise you will be asked to perform a service scan. Detailed information about the service scan can be found in chapter 12.2 Automatic scan.

3.5 Parental Control

Refer to section 6.8 Parental control for further information about this feature.

Entering the pincode

Finalizing the basic setup

3.6 Network

The network wizard will assist you with the network setup of your Dreambox.
Press the OK-Button on your remote control to get to start the configuration.

Choose between integrated wireless and integrated Ethernet using the **Navigation-Buttons up/down** and press the **OK-Button** to select.

Usually the standard setting (Use DHCP) should work if you have connected your Dreambox to a internet router. The DHCP-Server needed for this setting is most of the time activated by default on a router.

For further information please refer to chaper 11.6 Network.

Press the **OK-Button** on your remote control to get to activate the network device.
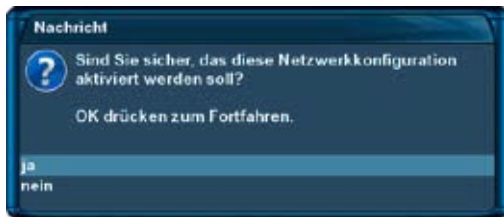
Answer "yes" by pressing the **OK-Button** to finally activate the network device.
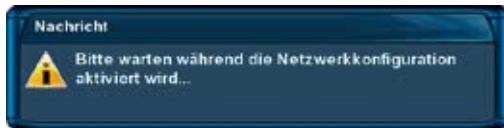
The activation process will take a short while.
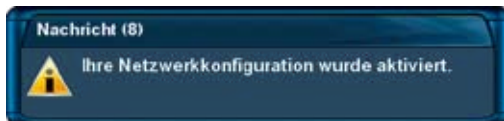
Once the activation process is finished you will see the message depicted on the left.

You will see this screen once the activation process was successful. Otherwise you will get the chance to try it once again from the start.

4. Basic operation
4.1 Turning your Dreambox on and off

Use the **Power-Button** to turn your Dreambox on and off.

To put your Dreambox into Standby-Mode either press the **Power-Button** on your remote control or directly on your Dreambox. The current time will be shown in the Dreambox's OLED-Display.

Holding down the **Power-Button** on your remote control for three seconds will put your Dreambox into the Deep-Standby-Mode.

You can also put your Dreambox into Deep-Standby-Mode by using the OSD main menu. Choose the Option "Standby / Restart" in the OSD main menu and navigate to "Deep Standby" option afterwards. Pressing the **OK-Button** will put your Dreambox into the Deep-Standby-Mode. Alternatively you can push down the Power-Button on your Dreambox for 5 seconds. If no OSD Menu is visible on the screen this will also put your reambox into Deep-Standby-Mode.

All your settings will be saved now and your Dreambox goes into Deep-Standby-Mode afterwards (saves energy!).

This is the Standby / Restart menu.
Navigate to the desired option and confirm by pressing the **OK-Button.**

Sleep timer:
Put your Dreambox into Standby after a duration of time that can be chosen freely. For more info see chapter 10.

Standby:
Puts your Dreambox into Standby mode.

Restart:
Your Dreambox will be rebooted.

Deep Standby:
Puts your Dreambox into Deep-Standby-Mode.

4.2 Service selection

Pressing the **Left/Right-Buttons** on your Dreambox remote control will take you to the previous or next service.

Pressing the 0 on the Numeric-Keypad will enable you to skip back and forth between the two most recently watched services. This feature is quite useful during commercial breaks since it enables you to watch another channel and quickly check if your movies is back on.

Using the Navigation-Buttons left/right you can switch to the 20 last viewed services.

4.3 Changing channel using the service list

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Navigation-Buttons up/down** to select the desired service and press the **OK-Button** to change to the selected service.
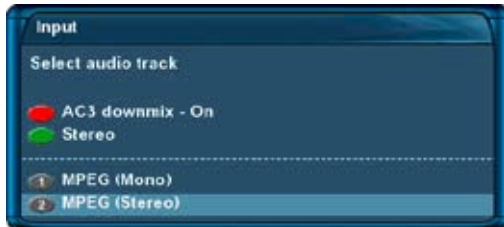
4.4 Controlling the volume

The **Volume +/- Buttons** control the volume of the audio. Pressing **+** will make turn it up and pressing **-** will turn it down.

Pressing the **MUTE-Button** mutes the volume. A crossed speaker symbol will appear on the screen.

4.5   Changing the audio track

Pressing the **yellow Options-Button** in TV or Radio Mode will reveal the "Audio" menu of the selected service.

Use the **Navigation-Buttons** up and down to move to desired audio track. Press the **OK-Button** to select.

The contents of this menu will vary from service to service.

Press the **red Options-Button** to toggle AC3 downmix on and off. See chapter 11.4 Audio / Video for further information.

4.6 Sub Services

The green dot in the Infobar appears if the selected station transmits sub services.

Pressing the green **Options-Button** in TV or Radio mode will reveal the sub services menu.

Use the **Navigation-Buttons up** and **down** to move to one of the sub services. Press the **OK-Button** to select.

4.7 TV/Radio switching

Pressing the **RADIO-Button** activates the RADIO-Mode. By pressing the **TV- or EXITButton** you can quit the RADIO-Mode.

4.8 Teletext

Use the **Text-Button** to enter the Teletext and the **Exit-Button** to leave.

4.9 Subtitles

Press the Menu-Button to enter the main menu. Select "Subtitles" and press the **OK-Button**. A list with the available subtitles will show up. Use the **Navigation-Buttons up** and **down** to select a desired subtitle and press the **OK-Button** to activate.
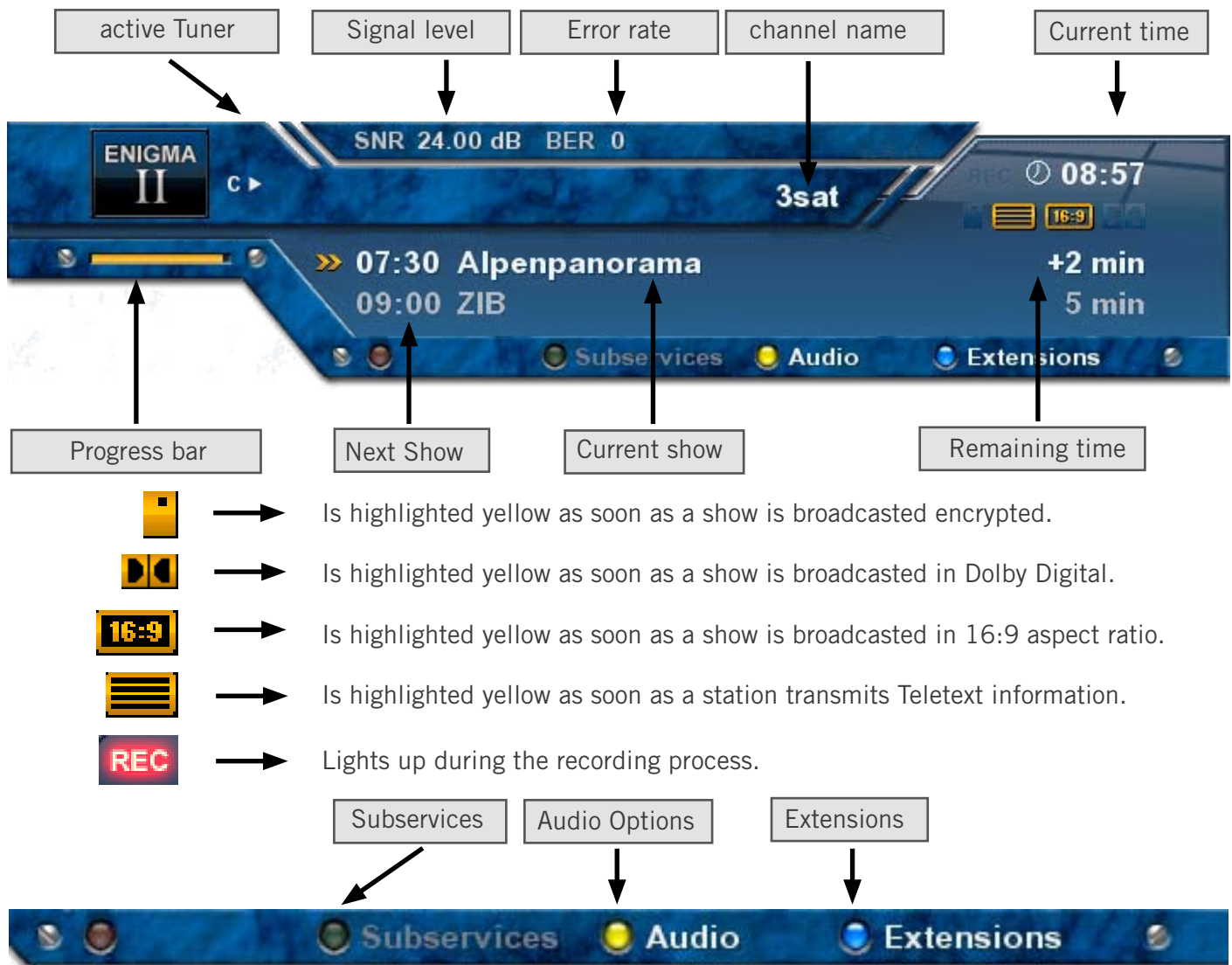
The screenshot on the left shows you an example of how a subtitle looks.

To deactivate subtitles process as described previously, just select deactivate subtitles instead of a subtitle page.

Note: Keep in mind that not every station offers subtitles. If no subtitles are available, the subtitle list will stay empty.

4.10 Infobar

The Infobar appears and disappears by pressing the OK-Button once, if no OSD menu is shown on your screen or when you change channels. The Infobar shows all necessary Information about the selected service.

| active Tuner | Signal level | Error rate | channel name | Current time |

SNR 24.00 dB   BER 0

ENIGMA II   C ▶

3sat

REC ⏱ 08:57

≫ 07:30 Alpenpanorama
09:00 ZIB

+2 min
5 min

Subservices   Audio   Extensions

| Progress bar | Next Show | Current show | Remaining time |

Is highlighted yellow as soon as a show is broadcasted encrypted.

Is highlighted yellow as soon as a show is broadcasted in Dolby Digital.

Is highlighted yellow as soon as a show is broadcasted in 16:9 aspect ratio.

Is highlighted yellow as soon as a station transmits Teletext information.

REC Lights up during the recording process.

| Subservices | Audio Options | Extensions |

Subservices   Audio   Extensions

5. Electronic Program Guide - EPG

Rundschau
Similar Add timer Single EPG Multi EPG
Rundschau
Moderation: Stefan Scheider

Themen u. a.:
* CO2-Steuer abgesagt
* Deutsche Autobauer verzeichnen ein Zulassungsplus
* Bundesrat verabschiedet EU-Verfassung
* UN-Generalsekretär Ban in Birma
* Herrmann zu Besuch in Rumänien
* Millionärs-Rallye gestoppt

Similar broadcasts:
23.5.2008, 18:45 - BR-alpha
23.05, 18:45 15 min   Bayerisches FS

By pressing the **INFO-Button** in TV-Mode you are supplied with detailed information about the current show and by pressing the Right-Button afterwards about the next show.

Pressing the **yellow Options-Button** activates the "Channel-EPG" (See chapter 5.1) and pressing the blue Options-Button activates the "Multi-EPG" (See chapter 5.2).

The Dreambox automatically searches for similar broadcasts in the background. If one or more similar broadcasts are found the label "Similar" will appear in the red window.
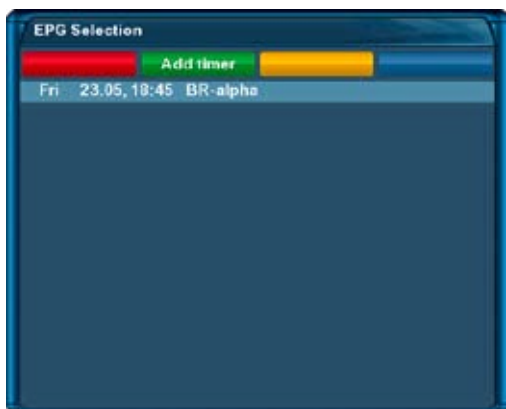
Pressing the **red Options-Button** opens a listing of similar broadcasts.

By pressing the **green Options-Button** you can set a timer for this rerun.

For additional information about recording by timer please see chapter 7.2.3 Recording by timer.

5.1 Single-EPG

In this view you are supplied with detailed information about the currently selected channel's programming.
By pressing the **yellow Options-Button** your can ether sort the "Single-EPG" alphabetically or by time.
You can also access this view by pressing
1. the **Info-Button** for about 2 seconds
2. the **Navigation-Buttons up/down** to open the
services list and then pressing the Info-Button.
This way you can very quickly and easily access the Single-EPG of every service.

5.2 Multi-EPG

Use the **blue** and **yellow Options-Buttons** to switch between the now, next and more views. Pressing the green Options-Button will give you the possibility to automatically copy the start and end time of the selected show into a recording timer.

If you have set the "Multi bouquets" option to "yes" (see chapter 11.2) a selection of you bouquets will appear. Select the bouquet for which you want the Multi-EPG view.
This view shows the currently airing shows on the services listed in the left column.
A progress bar showing the progress of the currently airing show is placed next to the service's name.
Using the **Navigation-Buttons up** and **down** you can select a service, just like in the service list, and change to the selected service by pressing the **red Options-Button**.

General overview of the following programming.

General overview of the upcoming programming for_the following days. (Depending on the station up_to_one week).

Time/Date Input

Press the **Menu-Button** in the Multi-EPG view.

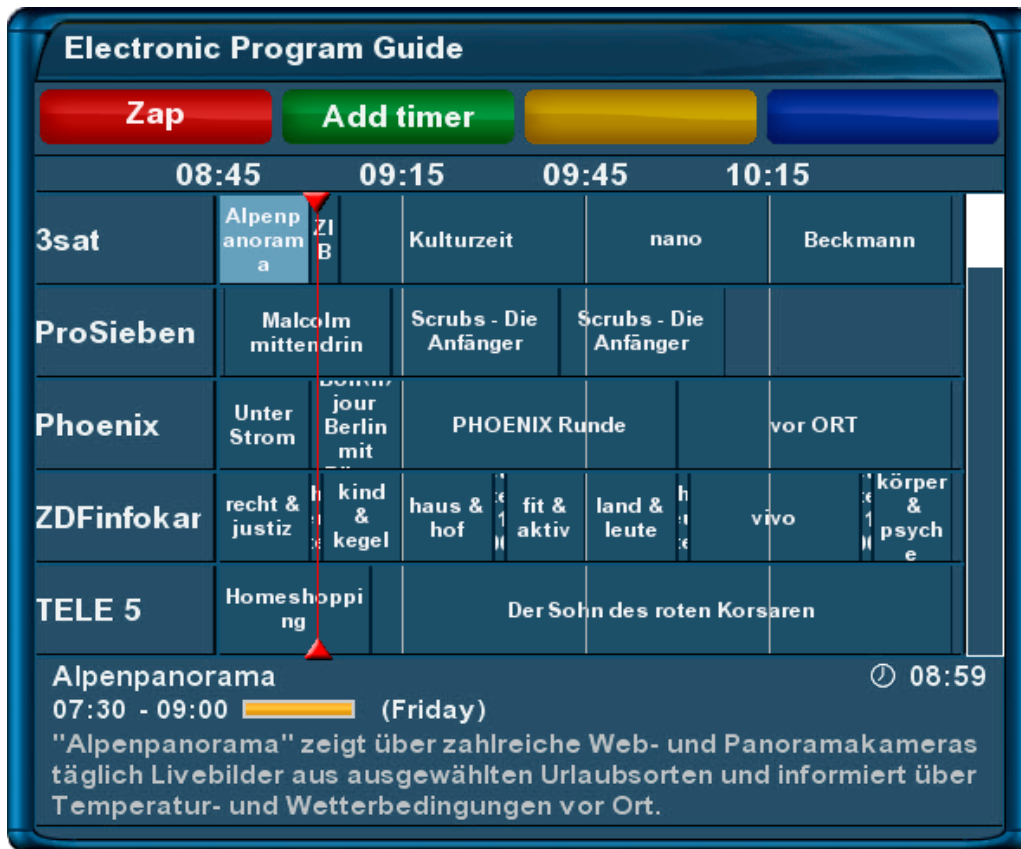A window will appear where you can enter a time and date.

After you have entered the desired time and date press the **OK-Button** to activate you selection.

5.3 Graphical Multi-EPG

You have another option to view the EPG of different services and successive shows. The Graphical Multi-EPG displays the EPG overview of the upcoming hours (can be set to 1-5 hours with the **Buttons 1-5** on the **Numeric-Keypad**) for the chosen bouquet.

Using the **Navigation-Buttons up/down/left/right** you can browse the shows. More detailed information about the sleected show is displayed in the bottom part of the EPG. You can directly set a timer for the selected show, by just pressing the **green Options-Button**.

To access the Graphical Multi-EPG either press the blue Options-Button or press the Info-Button for about 2 seconds and select "Graphical Multi-EPG".

Electronic Program Guide

| Zap | Add timer | | |

	08:45	09:15	09:45	10:15
3sat	Alpenpanorama / ZIB	Kulturzeit	nano	Beckmann
ProSieben	Malcolm mittendrin	Scrubs - Die Anfänger	Scrubs - Die Anfänger	
Phoenix	Unter Strom / jour Berlin mit	PHOENIX Runde		vor ORT
ZDFinfokar	recht & justiz / kind & kegel	haus & hof / fit & aktiv	land & leute / vivo	körper & psyche
TELE 5	Homeshopping	Der Sohn des roten Korsaren		

Alpenpanorama ⏲ 08:59
07:30 - 09:00 ▬▬▬ (Friday)
"Alpenpanorama" zeigt über zahlreiche Web- und Panoramakameras täglich Livebilder aus ausgewählten Urlaubsorten und informiert über Temperatur- und Wetterbedingungen vor Ort.

Time/Date Input

Time/Date Input

Cancel	OK
Date	23.January 2009
Time	08:58

Press the **Menu-Button** in the Multi-EPG view.

A window will appear where you can enter a time and date.

After you have entered the desired time and date press the **OK-Button** to activate you selection.

6. Edit the channellist

What is a bouquet?
A bouquet can be thought of something like a folder. Every channel equals a page in this folder and the pages are sorted into categories.

This way you can create a bouquet called "Kids", for example, under which you "file" all children's stations. Another example would be to create a bouquet called "Sports" where you put all sports channels. This way you can create several topic related bouquets.

Note: You can only delete channels in the favorites view!

You cannot delete the channels in the "All" view. The use of the "All" view is to keep an internal list of all available stations. If you start a new channel search the result would be saved to the "All" view for example. You favorites bouquet will stay untouched. This way you can easily add newly found channels from the ""All" list to your favorites bouquet. To see how it is done refer to section 6.2.
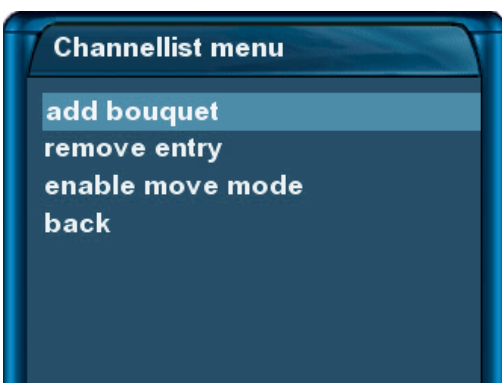
6.1 Adding a bouquet

To be able to add a bouquet you have to set the "Allow multiple bouquets" option to yes. Refer to section 11.2.
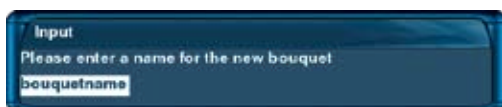
Pressing the **Up/Down-Buttons** on your remote control activates

Press the blue Options-Button to switch to the bouquet view.

By pressing the **Menu-Button** the "Channellist menu" will open up.

Navigate to the option "add bouquet".

Use the **Numeric-Keypad** on your remote control to enter the name for the new bouquet. The according letters are printed on button.

The **Mute-Button** deletes a character.

Press the **OK-Button** to add the new bouquet to your favorites list. You will be taken back to the "Channellist menu".

6.2 Add a service to favorites

If you want to add a service to your **Favorites-view** you can choose from services in the **All-, Satellites**- and **Provider-views**. You can switch views by pressing the **red, green, yellow and blue Options-Buttons**. At this point we only describe the process from the **All-Bouquet** since it is the same for the others.

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Press the red Options-Button to change to the Allview.

Use the **Navigation-Buttons up/down** to select the desired service and press the **MENU-Button** to open the "Channellist menu".
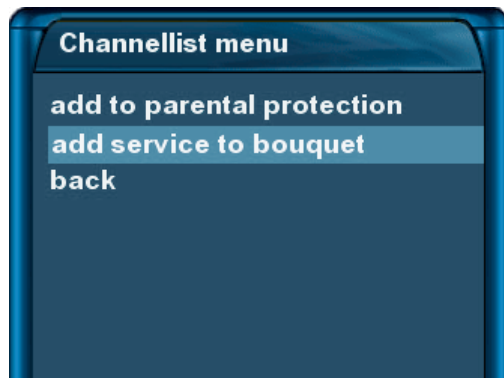
Navigate to the option "add service to bouquet".

If you are using more than one bouquet this option is named "add service to bouquet" instead and you will get a list of your bouquets afterwards.
You can choose to which bouquet you want to add the currently selected service.

If you are using only one bouquet which is the factory default, the service will be added to you favorites list.

6.3 Adding multiple services to a bouquet

You can select multiple services from the All-view to be added to the currently selected bouquet.
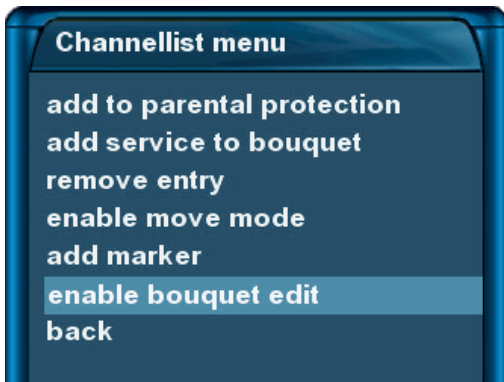

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Bouquet +/- Buttons** to switch to the desired bouquet. As an alternative you can press the **blue Options-Button** and select the desired bouquet.

After that select a service and switch to it by pressing the **OK-Button.**

By pressing the **Menu-Button** the "Channellist menu" will open up.

Navigate to the option "enable bouquet edit". The Allview will open up.

Channellist menu

add to parental protection
add service to bouquet
remove entry
enable move mode
add marker
enable bouquet edit
back

All services that are in the selected bouquet are highlighted red.

Use the **Up/Down-Buttons** to navigate to a desired service and press the **OK-Button** to select. The service will be highlighted red. Using this method you can select additional services that you want to add to the bouquet.

Once you have selected all services that you want to add, press the **Menu-Button**. The "Channellist menu" will open up.

Choose the "End bouquet edit" option. All highlighted services will now be added to the bouquet that you selected in the beginning.
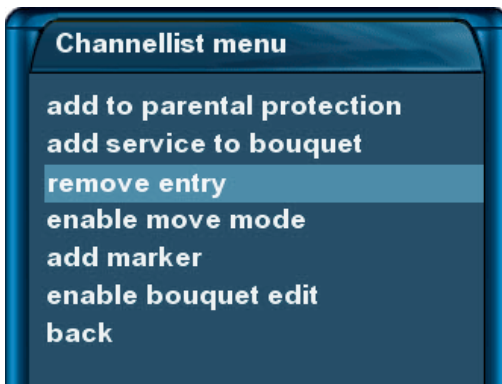
If you are only using one bouquet, which is the default setting, the selected services will be added to you favorites list.

Channellist menu

end bouquet edit
abort bouquet edit
back

6.4 Remove a service from favorites

Pressing the Up/Down-Buttons on your remote control activates the service list.

Use the **Navigation-Buttons up/down** to select the desired service and press the **MENU-Button** to open the "Channellist menu".

Channellist menu

add to parental protection
add service to bouquet
remove entry
enable move mode
add marker
enable bouquet edit
back

Navigate to the option "remove service".

The selected service will be deleted from your favorites list.

6.5 Moving a service to favorites

Channel Selection (TV) [move mode] Bouquets/alle

All	Satellites	Provider	Favourites

107 ZDF (SOKO Kitzbühel)
108 3sat (nano)
109 Bayerisches FS (Abendschau)
110 ZDFdokukanal (Ruhrpott-Schnauzen (13))
111 Das Erste (Marienhof)
112 BR-alpha (Straßennamen)
113 hr-fernsehen (Brisant)
114 SWR Fernsehen BW (Essen und Trinken)
115 Phoenix (Frequenzwechsel! Bitte Info-Taste betätigen.)
116 ZDFinfokanal (Leute heute)

Abendschau   18:33
18:00 - 18:45   Bayerisches FS
Themen u.a.:
* Diesel so teuer wie noch nie: Woran
liegt's?

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Navigation-Buttons** up/down to select the desired service and press the **MENU-Button** to open the "Channellist menu".

Channellist menu

add to parental protection
add service to bouquet
remove entry
enable move mode
add marker
enable bouquet edit
back

Navigate to the option "enable move mode" and press the **OK-Button.**

Channel Selection (TV) [move mode] Bouquets/alle

All	Satellites	Provider	Favourites

107 ZDF (SOKO Kitzbühel)
108 3sat (nano)
109 Bayerisches FS (Abendschau)
110 ZDFdokukanal (Ruhrpott-Schnauzen (13))
111 Das Erste (Marienhof)
112 BR-alpha (Straßennamen)
113 hr-fernsehen (Brisant)
114 SWR Fernsehen BW (Essen und Trinken)
115 Phoenix (Frequenzwechsel! Bitte Info-Taste betätigen.)
116 ZDFinfokanal (Leute heute)

Abendschau   18:33
18:00 - 18:45   Bayerisches FS
Themen u.a.:
* Diesel so teuer wie noch nie: Woran
liegt's?

Use the **Navigation-Buttons up/down** to select the service that you want to move and press the **OK-Button**.

The service will be highlighted red.

Use the **Navigation-Buttons up and down** to move the service to the desired position. Press the **OK-Button** to release the service and thus placing it at it's new position.

You can move services as long as the move mode is activated. To disable the move mode press the **MENU-Button** to get into the "Channellist menu" and chose the option "disable move mode" by pressing the **OK-Button**.

6.6 Adding a marker to favorites

You have the option to add makers within the favorites bouquets.

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Bouquet +/- Buttons** to switch to the desired bouquet. As an alternative you can press the blue Options-Button and select the desired bouquet.

Select a service. The marker will be added above the selected service.
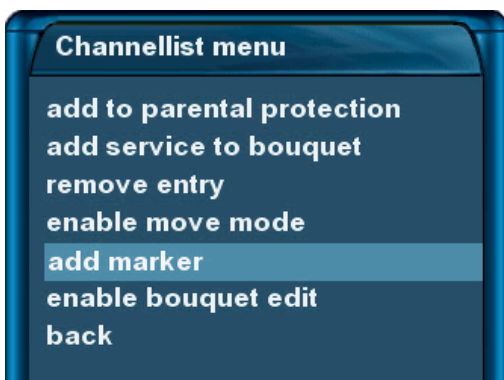
By pressing the **Menu-Button** the "Channellist menu" will open up.

Navigate to the option "add marker".

Use the **Numeric-Keypad** on your remote control to enter the name for the new bouquet. The according letters are printed on button.

The **Mute-Button** deletes a character.

Press the **OK-Button** to add the marker to your favorites list. You will be taken back to the "Channellist menu".

As an example we have added two markers as shown in the picture on the left.

Use the **Arrow-Left and Arrow-Right-Buttons** to jump between those two markers.

6.7 Alternative services

Incase you are using two different types of tuners in your Dreambox, for example a DVB-S and a DVB-T tuner, you can link services that you receive on both tuners in the alternative services list.

Every services resides on a so called transponder. A transponder contains a number of services.

Example: ZDF-Transponder via satellite
This transponder contains the services: 3sat, Kika, ZDF, ZDFdokukanal, ZDFinfokanal, ZDFtheaterkanal

If you now start a recording or enable the PiP function on "ZDF" only the services on the same transponder on this tuner are available any more.

The unavailable services will be marked grey in the services list, once a service on one of the tuners is in use either by recording or by PiP.

If you now want to view or record a different service that is not on the ZDF-Transponder it has linked to the corresponding service on the free (other) tuner.

How to link services will be explained in the following steps.

Pressing the Up/Down-Buttons on your remote control activates the service list.

Use the **Navigation-Buttons** up/down to select the desired service and press the **MENU-Button** to open the "Channellist menu".

Channellist menu

show transponder info
add service to bouquet
remove entry
enable move mode
add marker
enable bouquet edit
add alternatives
back
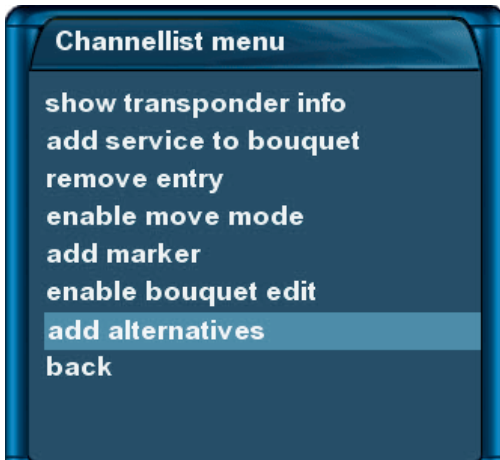
Navigate to the option "Add alternatives".

Channel Selection (TV) [alternative edit] All

| All | Satellites | Provider | Favourites |

3sat
arte
CNN Int.
Das Erste
Doku/KiKa
EinsFestival
Eurosport
kabel eins
MDR S-Anhalt
N24

⏱ 11:00
3sat

The All view opens up.

Use the **Navigation-Buttons up/down** to select the service that you want to move and press the **OKButton**.

The service will be highlighted red. Using this method you can select additional services that you want to add.

Once you have selected all services that you want to add, press the **Menu-Button**. The "Channellist menu" will open up.

Channellist menu

show transponder info
end alternatives edit
abort alternatives edit
back
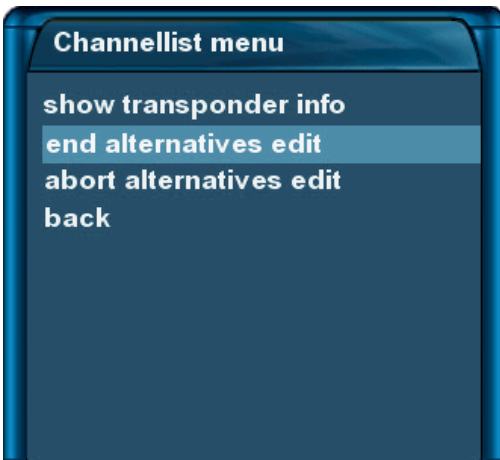
Select the "End alternatives edit" option.

6.8 Parental control

Parental control makes it possible to lock selected channels.

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the "Parental lock" option and press the OK-Button.

   • The "Parental control setup" menu will open up.

Parental control setup

Enable parental control — yes
Protect setup — no
Protect services — yes
Parental control type — blacklist
Change service pin
Edit services list

Set the "Enable parental control" option to yes.

Under the "Parental control type" option you can choose between a blacklist and a whitelist.

Whitelist means that all channels NOT in the parental control list will be locked.

Backlist means that all the channels in the parental control list will be locked.

Parental control setup

Enable parental control — yes
Protect setup — no
Protect services — yes
Parental control type — blacklist
Change service pin
Edit services list

If you want to change the Pincode select the "Change service pin" option and press the **OK-Button**.

Change pin code

New pin
Reenter new pin
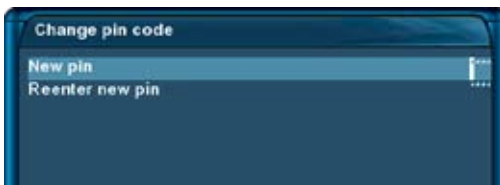
You have to enter the new pincode twice to ensure you didn't make any typing errors.

Change pin code

Please enter the old pin code
Tries left: 3

You now will be prompted to enter the old pincode and afterwards the new one.

Message

⚠ The pin code has been changed successfully.
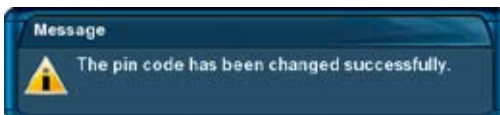
You will see this notice that the pincode has been changed. Press the **OK-Button** to get back into the Parental control menu.

Message

❌ The pin codes you entered are different.
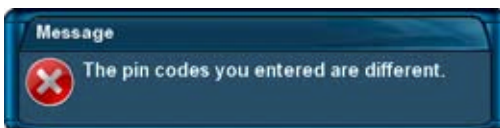
If the entered pincode was false you will see this notice. Press the OK-Button to get back into the "Change service pin" menu and to enter the correct new pincode twice.

Parental control setup

Enable parental control   yes
Protect setup   no
Protect services   yes
Parental control type   blacklist
Change service pin
Edit services list
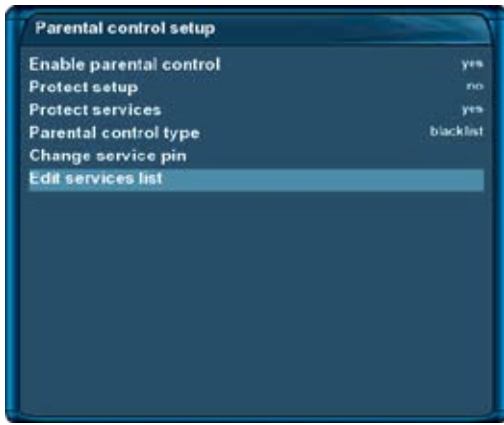
Now select the "Edit services list" option and press the **OK-Button.**

Input

Show services beginning with

special characters
a
b
c
d
e
f
g
h
i
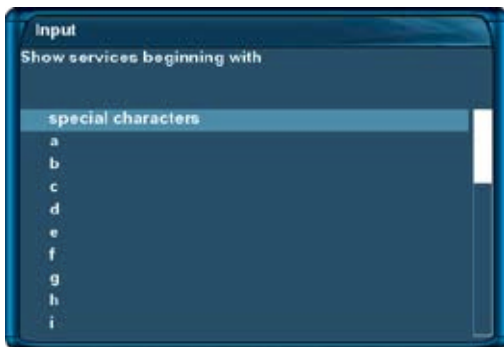
Use the **Navigation-Buttons up/down** to select the first letter of the channel that you want to lock or allow and press the **OK-Button.**

In this example we decided to lock the service called "ProSieben". Accordingly we selected the "P" as the first letter.

Parental control services Editor

SHOW TURK
Silverline Movie Channel
SKY News
Sonnenklar TV
Spiegel TV Digital
sportdigital.tv
Super RTL
SWR Fernsehen BW

The Parental control services Editor will open up. All services beginning with the letter P are shown.

Select "ProSieben" and press the **OK-Button.**

Parental control services Editor

SHOW TURK
Silverline Movie Channel
SKY News
Sonnenklar TV
Spiegel TV Digital
sportdigital.tv
Super RTL
SWR Fernsehen BW

A symbolized padlock will appear in front of the channel letting you know that it can only be watched when the right pincode is entered.

If you have selected whitelist under the "Parental control type" then this channel will be the only one that can be viewed without entering the right pincode.

Protecting the parental lock setup

Additionally you have the option to protect the parental control menu using a pincode.
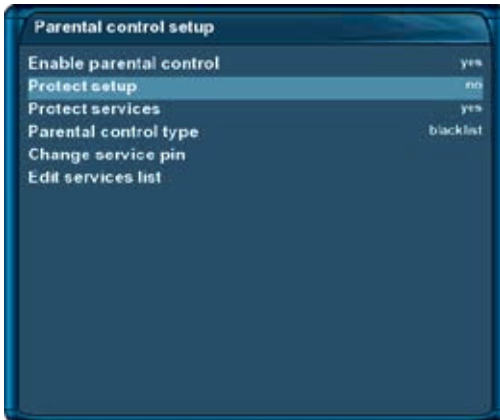
Setting the "Protect setup" option to yes you will only be able to change parental control setting after you have entered the correct pincode.

Once you entered the wrong pincode three times in a row you have to wait 15 minutes before you can try again.

Note: You can use two different pincodes to protect the setup and the service list.

7. Hard disk operation

7.1 Management

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option "Setup" and press the OK-Button to select.

1. Navigate to the option "System" and press the OK-Button

   • The "System" menu will open up.

2. Navigate to the option "Harddisk…" and press the OK-Button

3. Navigate to the "Harddisk setup" option and press the OK-Button
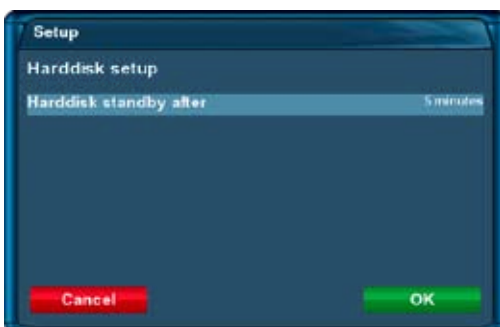
You now can set the duration of time after which the harddisk will be put into standby-mode.

You can select from:

- No standby
- 10 or 30 seconds
- 1, 2, 5, 10, 20 or 30 minutes
- 1, 2 or 4 hours

Once you have selected the desired time press the **OK-Button** or the green Options-Button to get back into the harddisk menu.

7.1.1 Initialization

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option "Setup" and press the OK-Button to select.

1. Navigate to the option "System" and press the OK-Button

   • The "System" menu will open up.

2. Navigate to the option "Harddisk…" and press the OK-Button

3. Navigate to the "Harddisk setup" option and press the OK-Button

Select HDD
SAMSUNG HM121HI (Internal - Master, 117.225 GB)
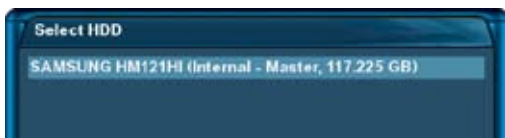
Navigate to the desired HDD option and press the **OK-Button**.

If you have installed another hard disk this option willdiffer from the one depicted!

Harddisk
Model: SAMSUNG HM121HI
Capacity: 117.225 GB
Bus: Internal - Master
Initialize

By pressing the **red Options-Button** you will initialize (format) the hard disk. After you confirm the safety question the initialization process starts.

!!! WARNING !!! All data stored on the HDD will be lost.

7.2 Recording
7.2.1 Instant recording

Press the **Record-Button**.

Input
Start recording?

1 add recording (indefinitely)
2 add recording (stop after current event)
3 add recording (enter recording duration)
4 add recording (enter recording endtime)
5 don't record
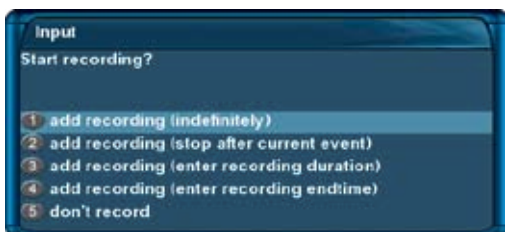
You have five available options:
- Add recording (indefinitely)
- Add recording (stop after current event)
- Add recording (enter recording duration)
- Add recording (enter recording endtime)
- Don't record

Use the **up/down-Buttons** to navigate to you desired selection and press the **OK-Button** to select.

A ongoing recording is indicated by a flashing symbol in the Infobar (see chapter 4.10).

During a recording you can watch another service, view a previously recorded movie or add an additional recording.

The number of simultaneous recordings depends on the number of installed tuners and on the number of services residing on a transponder (6.7 Alternative services). It is possible to make up to eight simultaneous recordings.

Input
A recording is currently running.
What do you want to do?

1 stop recording
2 change recording (duration)
3 change recording (endtime)
4 add recording (indefinitely)
5 add recording (stop after current event)
6 add recording (enter recording duration)
7 add recording (enter recording endtime)
8 do nothing
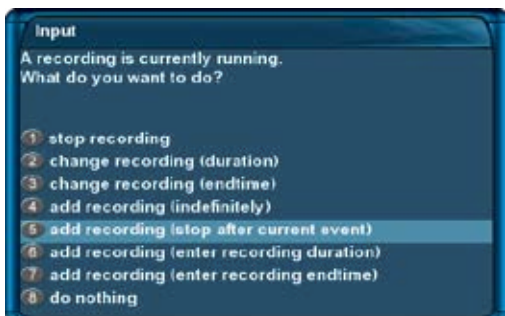
Pressing the **Up/Down-Buttons** on your remote control activates the service list. The recording continues in the background.

Once a recording is started, no matter if manually or by timer (see chapter 7.2.3) it will be signaled by a note on the screen.

Message (3)
❌ **No free tuner!**
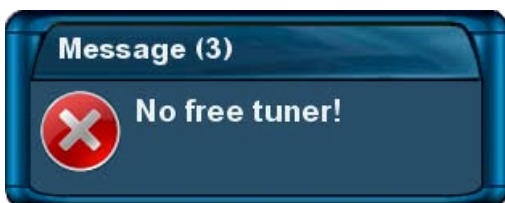
If all tuner are used for recording or by the Picturein-Picture mode and you are trying to access a service that is not on one of the recorded transponders you will get the "No free tuner" message.

7.2.2 Stop recording
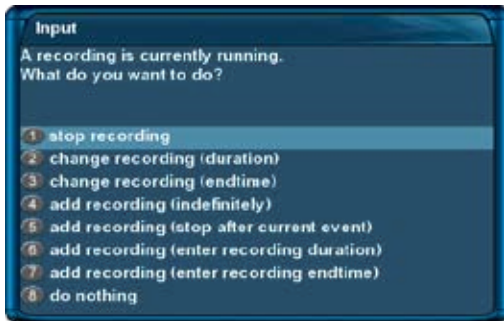
Switch to the service which recording you want to stop.

Press the **Record-Button**, select the "Stop recording" option and press the **OK-Button** to select.

If you only have one active recording it will be stopped immediately.

If more than one recording is active you will given the choice which recording you want to stop.

7.2.3 Recording by timer

With the help of a timer you can record shows (if you have a hard disk installed). You are offered two different ways to program a timer, the manual way of via the EPG.

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Timer" and press the **OK-Button** to select.

You see the "Timer Editor" menu.

Pressing the **red Options-Button** will delete a timer. The **green Options-Button** adds a timer, the **yellow Options-Button** toggles active on and off (only possible in waiting status) and the blue Options-
Button removes finished timers from the list.

To edit an existing time select it and press the **OK-Button**.

The status of a timer is shown on the right side:

- **waiting** means: still coming up
- **recording means**: recording right now
- **done means**: recording finished
- the red **X** indicates that a timer was deactivated
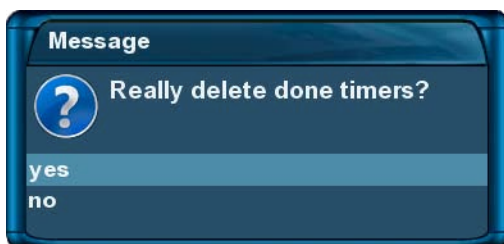
If you pressed the **blue Options-Button** you will be asked if you really want to delete the finished timer.

Use the **Navigation-Buttons up and down** to select.
Press the **OK-Button** to activate.

Your Dreambox will be turned on 5 minutes before the recording if a recording is supposed to start while the Dreambox is in Deep-Standby mode.

Manual programming

Press the **green Options-Button** to add a new timer.

You can choose between two different timer types. "Record" to record the desired show or "Zap" to automatically switch to the service.

As repeat type you can choose between "once" and "repeated".

The repeat type "repeated" offers you the following options:

- **daily**

- **weekly** with choice of weekday

- **Monday through Friday**

- **user defined**

For all four options you can set a date for the first execution of the timer

You can decide what should happen after the recording finishes by selecting the "After event" option. You can choose between

- **auto** to keep your Dreambox in the same state as before the recording

- **do nothing** to keep your Dreambox turned on after the recording

- **go to standby** to put your Dreambox into Standby mode

- **go to deep standby** to shutdown your Dreambox once the timer is done

Set you desired option by pressing the **Navigation-Buttons up/down** and left/right and press the **green Options-Button** to save the timer.

Programming via EPG

Change into on of the EPG views as described in chapter 5.

By pressing the **green Options-Button** you have the option to automatically add the selected show with it's start and end time as a timer.

All other options are the same as in the manually added timer.

Press the **green Options-Button** to save the timer.
You will be taken to the "Timer Editor" menu.

7.2.4 Timeshift

Once you started an instant recording you can fast-forward and rewind while recording as long as you have already recorded at least 1 minute long.

Press the **PLAY/PAUSE-Button** to pause the screen (video and audio will pause). The recording will continue in the background. Press the **PLAY/PAUSE-Button** again to resume watching.

This way you won't have to miss anything ever again if you quickly have to catch a phone call.

The Timeshift-Mode can be exited by pressing the **Stop-Button**.

To ensure the Timeshift-Mode is not stopped by accident you will be asked if you want to quit the Timeshift-Mode.

Use the **Navigation-Buttons up and down** to select.

Press the **OK-Button** to activate.

7.3 Watch a recording

Press the **PVR-Button** to get to the selection of recordings.

Use the **Navigation-Buttons up and down** to select a recording. Press the **OK-Button** to start playing it.

During replay you can see the control symbols in the Infobar.

Press the **Navigation-Buttons up and down** or the PVR-Button to get back to the list of recordings.

Message (8)

? Do you want to resume this playback?

yes
no
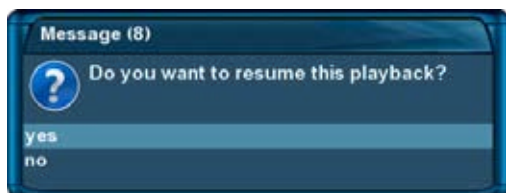
If you have previously watched the movie you will be asked to continue where you left off when you start watching it the next time. If you do not make a selection within 10 seconds the window will disappear and the movie starts from the beginning.

In PVR-Mode the Options-Buttons are mapped as described below:

| PLAY/PAUSE-Button | Fast Forward-Button |

| Rewind-Button | PLAY/PAUSE-Button | STOP-Button |
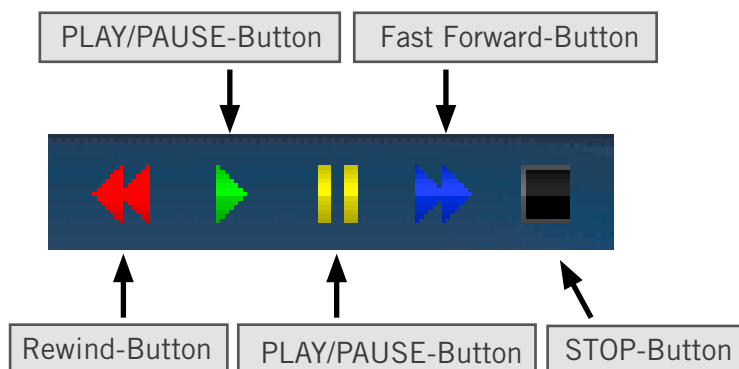
Keep in mind that you have to be in the PVR-Mode to use these options. You can check this by pressing the **OK-Button**. The Infobar will reveal and should show the depicted control symbols. If they are not shown you simply have to press the **PVR-Button** once again.

Rewind-Button = Rewind

PLAY/PAUSE-Button = Pause and Play

STOP-Button = Stop

Fast Forward-Button = Fast Forward

Input
Stop playing this movie?

① Yes
② No
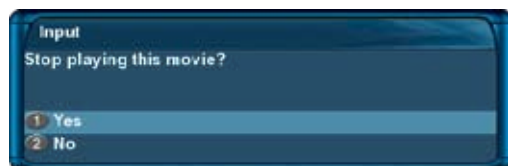
The PVR-Mode can be exited by pressing the **TV-Button** or the **Stop-Button**.

You will be asked if you want to stop the replay of the recording.

If you choose "Yes" you will be taken back to the last channel you were watching.

Skipping in a recording

Button	Time	Button	Time
1	10 sec. back	3	10 sek. forward
4	1 min. back	6	1 min. forward
7	5 min. back	9	5 min. forward

Spooling in a recording

The following speeds for spooling in a recording are available:

- Forward (**Fast Forward-Button**): 2x,4x,8x,16x,32x,48x,64x,128x

- Back (**Rewind-Button**): 8x,16x,32x,48x,64x,128x

Every press on the button increases the speed by one step.

7.4 Setting a marker (Bookmarks)

Fast forward to the point where you want to add a marker and press the **0** on the **Numeric-Keypad**. This will set a marker at the desired point.
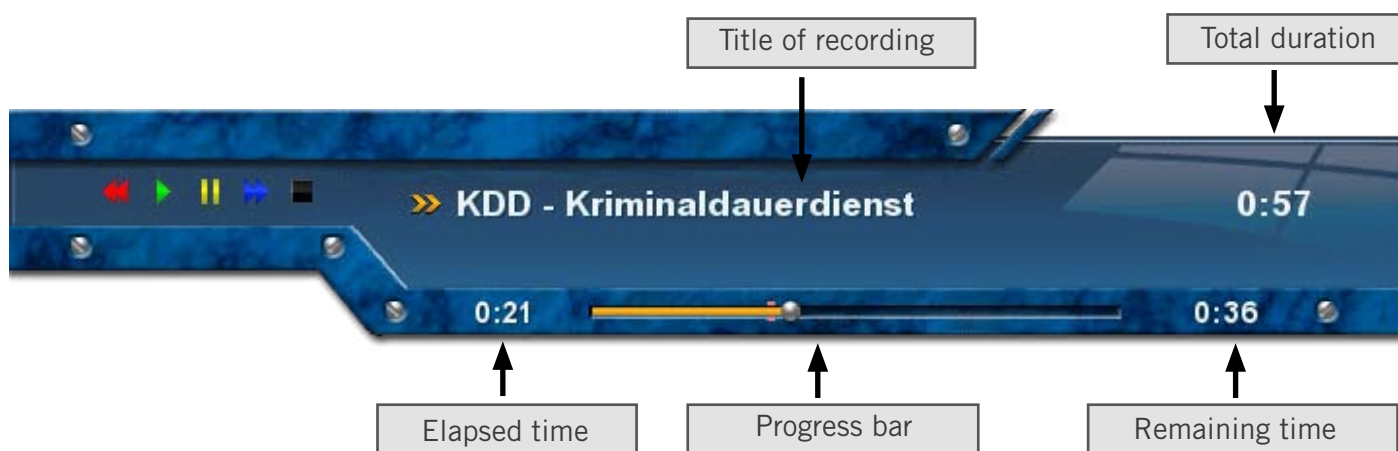
The red dashes in the timeline correlate to a marker.

Skip to a marker

You can directly skip to a previously set marker during playback.

Press the **Arrow-Left-Button** to skip to the previous marker and press the **Arrow-Right-Button** to skip to the next marker.

To delete a marker skip to it as described above and press the **0** on the **Numeric-Keypad**.

7.5 Delete a recording

Press the **PVR-Button** to get to the selection of recordings.

Use the **Navigation-Buttons up and down** to select a recording. Press the **Menu-Button**.
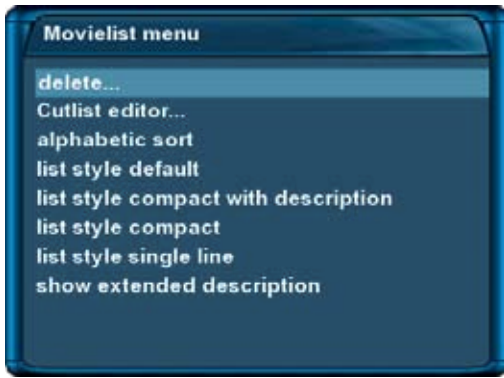
Use the **Navigation-Buttons up and down** to select "Delete" and press the **OK-Button**.
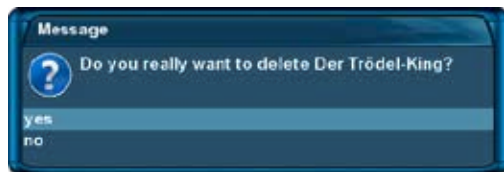
You will be asked if you want to delete the recording.

As a control feature the name of the recording is displayed as well.

Choose "Yes" and you will be taken back to the selection of recordings.

7.6 Movielist options

To access the Movielist menu press the **v** and then the **Menu-Button**.
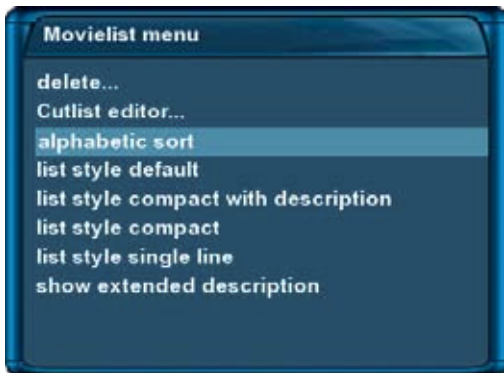
Sorting options

You have the choice between two different sorting options:

1. Alphabetic sort

2. Sort by date

List styles

You have the choice between different list styles:

• List style default

• List style compact with description

• List style compact

• List style single line

• Show extended description

List styles

List style default

List style default with extended description

List style single line

List style compact

List style compact with desciption

8. Teletext

You are in the TV or Radio mode.
Press the Text-Button to enter the Teletext.

Keep in mind that not every station transmits Teletext!

Teletext - regular navigation:

If you are viewing any Teletext page you can enter the interactive mode by pressing the **OK-Button**.Use the **Navigation-Buttons** to select a text page number and press the **OK-Button** to call this page. You don't need to type in a text page number in this mode, but it is still possible.

Press the **EXIT-Button** to exit.

Press the **Mute-Button** a couple of times to toggle between transparent-mode, invisible-mode and full mode. The alpha-mode shows the picture from the running program through the text pages. The invisible-mode shows the complete picture from the running program without exiting the Teletext. The full-mode brings back the text page.

Press the **Volume-up-Button** to toggle between double high from the upper half, double high from the lower half and full view text page.

Press the **Volume-down-Button** to activate or deactivate the PIG-Mode (Picture in Graphics). Same view from Text page and Program picture. (best results are show on 16:9 TV's during 4:3 transmission).

Teletext configuration menu:

If the Teletext page 100 is shown you can press the **MENU-Button** to enter the Teletext configuration menu.

You have the following options:

Teletext - Selection:

Select the "Search" option and press the **OK-Button** to start searching for Teletext information on other services without having to leave the service that you currently are watching. After the search is finished you can use the **Navigation-Buttons** left and right to select the Teletext of another service without having to switch services. Press the **OK-Button** to select the desired Teletext. This option is only available if more than one service on the current satellite transponder actually transmits Teletext information. If this is not the case you cannot make a selection.

Screen format:

Standard mode 16:9 = on/off

Enabling this shows the TuxText in 16:9 Aspect Ratio. Press the OK-Button to enable or disable this option. The default setting is disabled.

Text/TV mode 16:9 = on/off

Enabling this, switches the TV to 16:9 Aspect Ratio if the PIG-Mode is activated with the Volumedown-Button. Press the OK-Button to enable or disable this option. The default setting is disabled.

Note:

On some older 4:3 TV's these Modes may not work. If enabled, it could happen, that your TV switches away from the VCR or A/V socket.

If you are using a 4:3 TV, we suggest not to enable these modes.

Brightness:

Here you can adjust the brightness of your Teletext. Press the Navigation-Buttons left or right to adjust the brightness.

Transparency:

Here you can adjust the transparency value of your Teletext. Press the Navigation-Buttons left or right to adjust the alpha value.

National characterset:

automatic recognition = on/off

The national codepage detection is used to display the teletextpages with the right letterset for your location. Press the OK-Button to enable or disable this option. The default setting is enabled. If disabled, use the Navigation-Buttons left or right, to choose your codepage.

For further information see www.tuxtxt.net

9. Picture-in-Picture mode (PiP)

The Dreambox has a so called PiP-Function. With PiP you can display a small TV picture on top of the main big TV picture.

Press the **blue Options-Button** and select the "Activate Picture in Picture" option.

The main TV picture is now additionally displayed as a small PiP in the upper right corner of your screen and the last watched service is displayed in the main big TV picture. In PiP mode you will always hear the sound from the main TV picture. If you now switch services as you are used to the main TV picture will change, but the PiP stays.

By pressing the blue Options-Button you can choose between the following options:

1. Disable Picture in Picture: (blue Options-Button)
Choose the option to turn the PiP mode off.
The little PiP will disappear and only the main TV picture is displayed on your screen.

2. Move Picture in Picture: (green Options-Button)
Choose the option to move or resize the small PiP.
You can move the position of the small PiP by using the Navigation-Buttons up/down and left/right.
Use the Bouquet +/- Buttons to resize the small PiP.
Press the Exit-Button to discard your changes or the OK-Button to save the settings and return to the current TV show.

3. Swap services: (yellow Options-Button)
Choose the option to swap the main TV picture and the small PiP. The small PiP becomes the main TV picture and vice versa.

10. Sleep timer

Using the sleep timer you can put your Dreambox into standby or turn it off after a predeterminedamount of time.
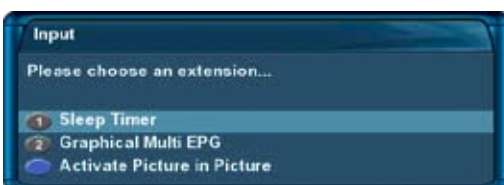
Press the **blue Options-Button** or opten the **main menu -> Standby/ Restart** and select the option "Sleep Timer".

Shutdown Dreambox after:

Set the number of minutes after you wish the predetermined shutdown action to be executed.

Timer status:

Set this option to "enabled" to activate a set sleep timer or to "disabled" to deactivate a set sleep timer. Press the red Options-Button to change the status.

Sleep timer action:

Select "Deep Standby" to completely turn off you Dreambox or "Standby" to put it into standby mode. Press the green Options-Button to toggle the sleep timer action.

Ask before shutdown:

If this option is set to "Yes" a safety window will appear once the sleep timer is executed asking you if you really want to turn off your Dreambox.

Press the **yellow Options-Button** to toggle this option.

Once you have set all options to your liking press the **OK-Button** to save your settings.

A short note will tell you that the sleep timer has been activated.

11. Setup

11.1 Language

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option "Setup" and press the OK-Button to select.

1. Navigate to the option "System" and press the OK-Button.
   - The "System" menu will open up.
2. Navigate to the option "Language…" and press the OK-Button.
   - The "Language" menu will open up

Select your desired and language with the **Navigation-Buttons up and down**. Press the **OK-Button** to activate.

The **Exit-Button** will quit this menu.

11.2 Customize

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "System" and press the **OK-Button**.

> • The "System" menu will open up.

2. Navigate to the option "Customize…" and press the **OK-Button**.

Setup modes:

There are three different user modes: Simple, Intermediate and Expert.
This gives you the possibility to set the level of options to your needs. Intermediate is the default setting.
We will not explain the expert mode in detail in this manual.

Simple mode:

Margin before record (minutes):
Set the desired forerun in minutes for a recording.

Margin after record:
Set the desired lag in minutes for a recording.

Show blinking clock in display during recording:
Select wether you want the time in the OLED-Display to blink during a recording or not.

Infobar timeout:
Set the desired time after which you want the Infobar to disappear. You can choose between one and ten seconds or "no timeout".

Intermediate mode:
These settings supplement the settings in simple mode.

Recordings always have priority:

If this option is set to "Yes" your Dreambox will automatically switch to the service which is supposed to be recorded incase there is a conflict with an existing timer.

If you set this option to "No" you will be asked if you want to switch to the service which is supposed to be recorded.

Show positioner movement:

If you own a satellite dish with a positioner you can see a flashing symbol of a satellite dish on your screen if you set this option to "yes".

Enable multi bouquets:

Set this option to "Yes" if you want to use multiple bouquets.

Change bouquets in quickzap:

If this option is set to "Yes" you will automatically be taken to the next bouquet while changing channels once you have reached the end of one bouquet.

Alternative radio mode:

Set this option to "Yes" if you want the handling in the Radio mode to be the same as in the TV mode.

Action on long powerbutton press:

Set your desired option what is supposed to happen if you push the **Power-Button** for a few seconds. The possible options are "show shutdown menu" and "immediate shutdown".

11.3 Setting the time zone

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option "Setup" and press the OK-Button to select.

1. Navigate to the option "System" and press the **OK-Button**.

> • The "System" menu will open up.

2. Navigate to the option "Timezone…" and press the **OK-Button**.
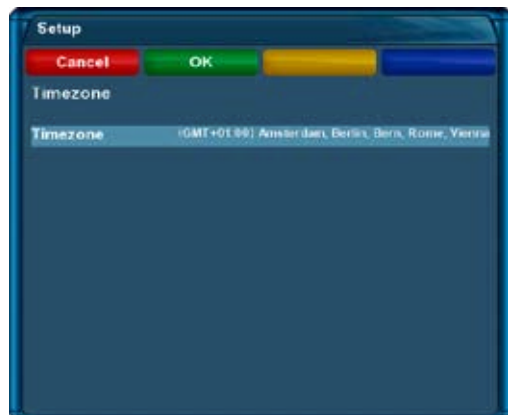
The "Time zone" menu will open up.

Use the **left/right-Buttons** to select the desired time zone.

Press the **green Options-Button** to save the setting or the **red Options-Button** to discard them.

11.4 A/V Settings

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "System" and press the **OK-Button**.

> • The "System" menu will open up.

2. Navigate to the option "A/V settings…" and press the **OK-Button**.

Video output:

This option selects to which output the video signal will be sent to.

DVI

If you have connected your TV to the DVI output of your Dreambox set the "Output type" option to DVI.

YPbPr

If you have connected your TV to the YPbPr output (component cable) of your Dreambox set the "Output type" option to YPbPr.

Scart

If you have connected your TV to the Scart output of your Dreambox set the "Output type" option to Scart.

Mode:

Use the Navigation-Buttons left/right to select the desired screen resolution. This option is only available for the output types DVI an YPbPr.

Refresh Rate: (This option is only available for the output types DVI an YPbPr)

Select the refresh rate supported by your TV screen. This si either 50Hz or 60Hz.

Display 4:3 content as:

Pillarbox

4:3 shows will be shown in full height on a 16:9 screen and you will have black bars on both sides.

Pan&Scan

4:3 shows will be shown in full width on a 16:9 screen and a bit will be cut off on the top and bottom.

Just Scale

4:3 shows will be shown in full height on a 16:9 screen and are stretched to fit the width of your screen.

Nonlinear

Only the outer parts of the picture are stretched to prevent the center from being distorted. You will still have a full screen picture.

AC3 default:

If a program is transmitted with an AC3 audio track (e.g. Dolby Digital), the Dreambox switches automatically to this audio track.

Volume control of AC3 signals only works if AC3 downmix is activated. Please keep in mind that AC3 downmix will disable the output of real AC3 signals on every audio out, even on the S/P DIF output.

AC3 downmix:

If you're watching a show with a AC3 audio track it will be changed into a stereo signal. Set this option to "yes" if your have an AV-Receiver that does not support Dolby Digital.

OSD visbility:

Use the Navigation-Buttons left/right to set the transparency of the OSD.

These options are only available if the output type is set to "Scart":

Mode:

Scart

Select the standard supported by your TV screen. This is usually either PAL or NTSC. If you own a TV screen which supports both modes you can also select the Multi option. You TV screen will automatically switch depending on the input signal. These options are only available ifthe output type is set to "Scart".

Aspect ratio:

Automatic (Standard)

4:3 shows will be shown as 4:3 and 16:9 shows will be shown as 16:9.

4:3

Display 16:9 content as:

Letterbox

16:9 programs will be displayed on 4:3 TV's with black beams at top and bottom.

Pan&Scan

16:9 programs will be zoomed to full hight on 4:3 TV's, parts of the picture on the left and right side will cut off.

Just Scale

4:3 shows will be shown in full height on a 16:9 screen and are stretched to fit the width of your screen.

16:9 und 16:10:

Display 4:3 content as:

Please see previous page.

Color format:

CVBS (FBAS),

RGB (Red, Green, Blue separated),

SVideo (Color- and Brightness signal separated).

WSS on 4:3:

Check the checkbox to disable zooming on some 16:9 TV's during 4:3 transmissions.

VCR Switch:

If this function is enabled (standard) the signal from the VCR Scart is directly passed to the TV. Depending on the model the this is either enabled when you turn on the device or when you start a replay.

Press the **green Options-Button** to save the setting or the **red Options-Button** to discard them.

You are taken back to the "System" menu.

11.5 OLED-Display

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "System" and press the **OK-Button**.

   • The "System" menu will open up.

2. Navigate to the option "Display setup…" and press the **OK-Button**.

Using the **Navigation-Buttons left and right** you can set the brightness of the OLED-display.

"Standby" sets the brightness value for standby.

All changes will take effect immediately. Press the green Options-Button to save the setting or the red Options-Button to discard them. You are taken back to the "System" menu.

11.6 Network

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "System" and press the **OK-Button**.

   • The "System" menu will open up.

2. Navigate to the option "Network…" and press the **OK-Button**.

You have choice between integrated ethernet and integrated wireless (WLAN) to establish a network connection to you Dreambox. If you have activated both connections you have to set the default adapter in the "Set Network Adapter" menu by pressing the **blue Options-Button**.

11.6.1 Integrated Ethernet

Select "Integrated Ethernet" and press the **OK-Button**. Select the "Adapter settings" option and press the OK-Button. Use the **Navigation-Buttons** and the **Numeric-Keypad** to change the settings.
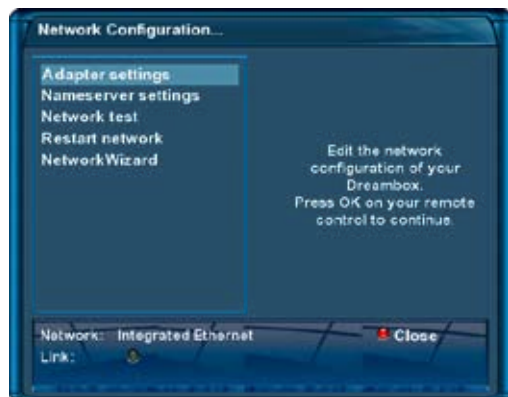
Adapter settings

Use interface:

This options toggles the integrated ethernet interface on and off.

Use DHCP:

If set to "yes" your Dreambox will get its IP from a DHCP server. If you are using a router to access the internet you usually have a DHCP server. Disable this option to set a static IP address.

Manually setting an IP address
These settings are only needed if you have selected "no" on the "Use DHCP" option before.

IP Address:

You can assign any IP address to you Dreambox. The only expection is the 192.168.0.**1** IP since it usually is reserved for you internet router and should therefor not be used.

Free IP addresses: **192.168.0.2 - 192.168.0.254**

Netmask

Enter the subnet mask which usually is **255.255.255.0**

Use a gateway:

Set this option to "yes" and enter the IP address of the PC or router in your network with internet connectivity.

Ususally this is: **192.168.0.1**

To save the settings and activate the network connection press the **OK-Button**.

Nameserver settings
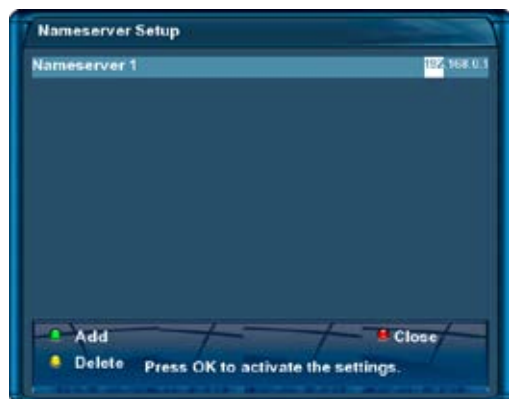
Note: If you have set the "Use DHCP" option to "yes" you won't have to enter anything here since this will be done automatically.

Nameserver:
Enter the DNS-Server's IP address of your LAN here. DNS is used to translate a Domain name to an IP address. Normally, if the Type is set to LAN, there is no need for a DNS entry. If the Dreambox is connected to the Internet over a router, enter the router's IP address here.

Press the **green Options-Button** if you want to add a seconds nameserver and the **yellow Options-Button** to delete a namesever. You can enter a maximum of two nameservers.

Network test

The network test will assist you in finding possible sources of error in your network configuration. Press the **green Options-Button** to start the test or to repeat it. Press the **yellow Options-Button** to abort the test.

Once the test has finished you can get additional information and help to every subitem of the test. Use the **Navigation-Buttons up/down** to select and item and press the **OK-Button.**

before the test

after a successful test

Restart network
Reboots the network configuration of your Dreambox.

Network Wizard
The network wizard will assist you with the setup of you network.

11.6.2 Integrated wireless (WLAN)

Select "Integrated Wireless" and press the **OK-Button**. You can either use the "Scan wireless networks" option to look for any existing wireless access points or manually enter all the required settings.

Automatic

Select the "Scan wireless networks" option and press the **OK-Button**. A window with all available networks will pop up. Select the network that you wish to connect to and press the **green Options-Button**. A window for the adapter settinsg will open. Use the **Navigation-Buttons** and the **Numeric-Keypad** to change the settings.
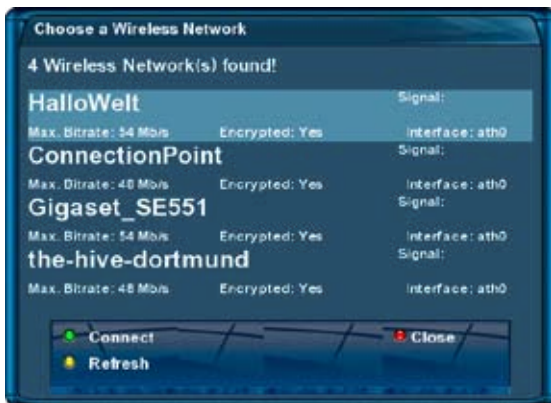
Manual

Select the "Adapter settings" option and press the **OK-Button**. A window for the adapter settinsg will open. Use the **Navigation-Buttons** and the **Numeric-Keypad** to change the settings.

Adapter settings

Use interface:
This options toggles the integrated ethernet interface on and off.

Use DHCP:
If set to "yes" your Dreambox will get its IP from a DHCP server. If you are using a router to access the internet you usually have a DHCP server. Disable this option to set a static IP address. In this case you do not need to make any further changes. If set to "no" you need to manually set an IP address. Refer to chapter 11.6.1 to section "Manually setting an IP address" for further information.

Network SSID:
Enter the SSID of you wireless router. If you accessed the adapter settings via the "Scan wireless networks" option, the SSID will already be enetred here. As an alterative method of entering the SSID you can use the virtual keyboard by pressing the **green Options-Button**. Fur further information refer to the section "Virtual Keyboard" in this chapter.

Encryption:
Set this option to "yes" if your wireless network is encrypted:

Encryption type:
Enter the encrytion type of the wireless network that your Dreambox is trying to connect to.

You can chose from the following encrytion types: WEP, WPA, WPA2, WPA + WPA2

Encryption key:
Enter the password that is used to secure the wireless connection. Please note that the password is case sensitive. As an alternative method you can use the virtual keyboard as well. Just press the **green Options-Button** to activate it.

To save the settings and activate the network connection press the **OK-Button**. After a short while a window will open telling you if the connectoion attempt was successful or not. If everything went well a green Symbol will appear next to "Link:" in the "Network configuration" window.

Virtual Keyboard

Use the **Navigation-Buttons up/down/left/right** to select a character and press the **OK-Button** to enter it into the text field.

Once you have enterred the complete encryption key press the **green Options-Button** so save the key or the r**ed Options-Button** to discard it.

Namserver settings, Network test, Restart network, Network wizard
For further information on these options refer to chapter 11.6.1 "Integrated Ethernet".

partially successful wireless network test

11.7 Common Interface

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "Common Interface" and press the **OK-Button**.
   - The "Common Interface" menu will open up.
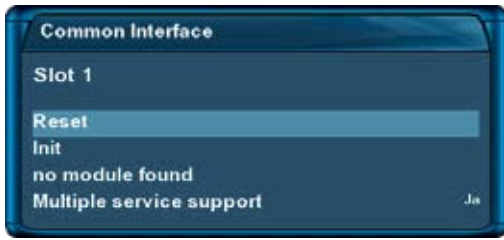
Reset:

This options resets your CI-Module. This function is needed if you are experiencing trouble with one of your encrypted services.

Init:

This option initializes an inserted Smartcard. It is recommended to inset the CI-Module with the Smartcard already in it.

No module found:

No CI-Module is inserted into the slot. If you have inserted one the name and firmware version will show.

Navigate to this option and press the **OK-Button** to get to the extended options of the inserted CIModule. The option strongly depend on the type of module inserted and therefore will not be explained in detail. Refer to the user's manual of you CI-Module for additional information on this topic.

Can decrypt multiple services:

You can set if your CI-Module can decrypt multiple services or not. Please note that not every CIModule supports this feature. Check the instruction manual of your CI-Module for information about this feature. The "Auto" option only works with so called Alphacrypt Modules.

The **Exit-Button** will quit this menu.

11.8 Skin

Selecting another skin will change the looks of your OSD(On-Screen-Display).
If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "System" and press the **OK-Button**.

    • The "System" menu will open up.

2. Navigate to the option "Skin" and press the **OK-Button**.

    • The "Skin" menu will open up.

Navigate to your desired skin and press the **OK-Button.**
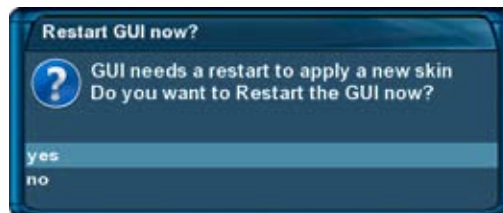
To fully activate the skin the system needs to be restarted.

Use the **Navigation-Buttons up/down** to select your desired option and press the **OK-Button**.

11.9 Factory reset

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "Factory reset" and press the **OK-Button**.
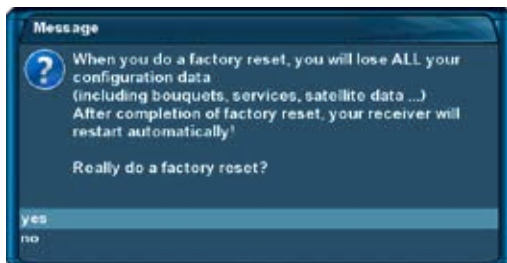
You are asked if you really want to reset all you settiongs to the factory defaults.

If you choose "yes" all you configuration data inclusing bouquets, sattelite data, etc. will be lost.

Your Dreambox will automatically reboot afterwards.

12. Service searching

12.1 DVB-S/DVB-S2 Tuner configuration

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "Service searching" and press the OK-Button.

   • The "Service searching" menu will open up.

2. Navigate to the option "Tuner configuration" and press the OK-Button.

   • The "Choose tuner" menu will open up.

3. Use the Navigation-Buttons up and down to select the DVB-S/DVB-S2 tuner and press the OK-Button.
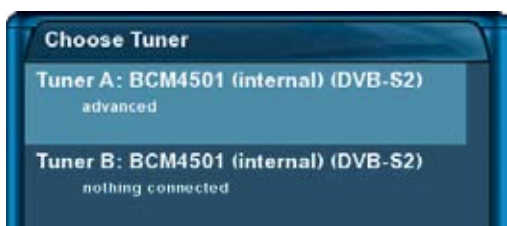
12.1.1 Single satellite – direct connection (DVB-S/DVB-S2)

Use this type of configuration if you want to receive a single satellite with a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB. Please read the section 12.1 DVB-S/DVB-S2 configuration to learn how to get into this menu.
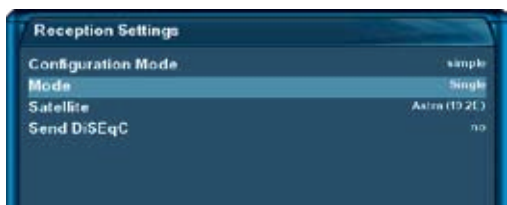
The "Reception settings" menu will open up.

Use the **up/down-Buttons** to navigate to the "Mode" option and use the **left/right-Buttons** to select "Single".
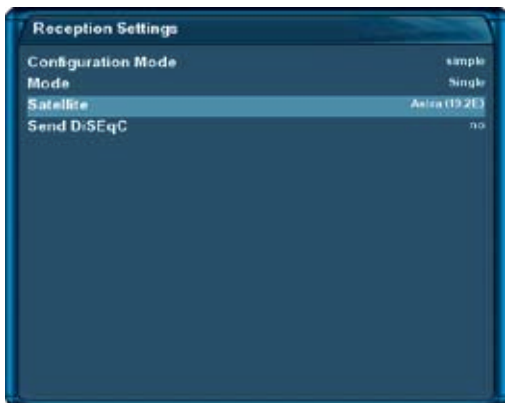
Navigate to the option "Satellite".

Use to the **Navigation-Buttons** left and right to select the desired satellite and press the **OK-Button**.

You are taken back to the "Choose tuner" menu.

If you have trouble with "Tune failed" messages please set the "Send DiSEqC only on sattelite change" to "yes".
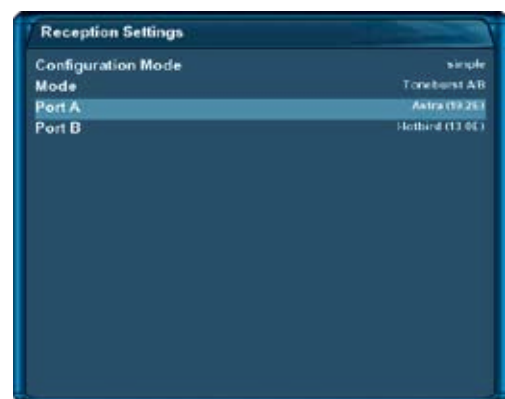
12.1.2 Two satellites via Toneburst A/B (DVB-S/DVB-S2)

Use this type of configuration if you want to receive two satellites from one LNB each. It does not matter if you use one or two dishes to achieve this.

Connect the two coax cables form the two LNBs to a so-called Toneburst switch and connect the coax cable from the Toneburst switch to your Dreambox. Please read the section 12.1 DVB-S/DVB-S2 configuration to learn how to get into this menu.
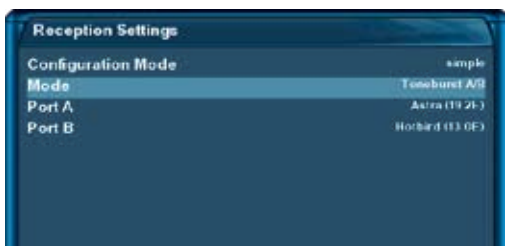
The "Reception settings" menu will open up.

Use the **up/down-Buttons** to navigate to the "Mode" option and use the **left/right-Buttons** to select "Toneburst A/B".

For Port A and Port B select the desired satellites just as described in the Single satellite – direct connection section.

Make sure you know which satellite is connected to which input on the Toneburst switch.

If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

Press the OK-Button to save your settings.

12.1.3 Two satellites via DiSEqC A/B (DVB-S/DVB-S2)

Use this type of configuration if you want to receive two satellites from one Twin Universal or Quad Universal LNB. It does not matter if you use one or two dishes to achieve this.
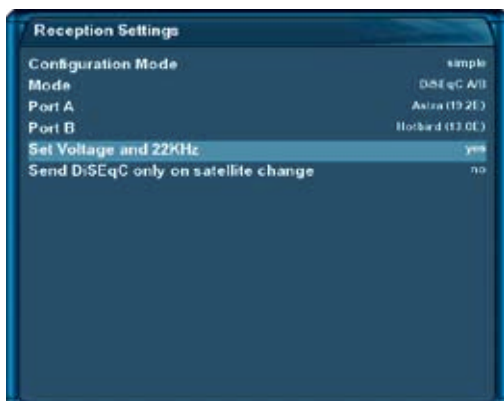
In this case the LNBs are connected to a so-called Multiswitch from which the signal is via coax cabled to the satellite receivers (Dreamboxes) in your household.
Please read the section 12.1 DVB-S/DVB-S2 configuration to learn how to get into this menu.
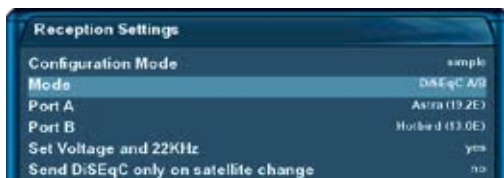
The "Reception settings" menu will open up.

Use the **up/down-Buttons** to navigate to the "Mode" option and use the **left/right-Buttons** to select "DiSEqC A/B".

For Port A and Port B select the desired satellites just as described in the Single satellite – direct connection section.

Make sure you know which satellite is connected to which input on the Toneburst switch. If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

Press the **OK-Button** to save your settings.

If you have trouble with "Tune failed" messages please set the "Send DiSEqC only on sattelite change" and "Set voltage and 22KHz" to "yes".

12.1.4 Four satellites via DiSEqC A/B/C/D (DVB-S/DVB-S2)

Use this type of configuration if you want to receive four satellites from one Single Universal or Twin Universal LNB for four or eight parties. It does not matter if you use one or two dishes to achieve this.

In this case the LNBs are connected to a so-called Multiswitch from which the signal is via coax cabled to the satellite receivers (Dreamboxes) in your household.
Please read the section 12.1 DVB-S/DVB-S2 configuration to learn how to get into this menu.

Four satellites via DiSEqC A/B/C/D (DVB-S)
The Reception settings menu will open up.
Use the up/down-Buttons to navigate to the
Mode option and use the **left/right-**
Buttons to select DiSEqC A/B/C/D.

For Ports A, B, C and D select the desired satellites just as described in the Single satellite – direct connection section.

Make sure you know which satellite is connected to which input on the Toneburst switch.

If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

Press the OK-Button to save your settings.

12.1.5 Stab Positioner using USALS (DVB-S/DVB-S2)

Use this type of configuration if you want to receive many satellites with a Stab positioner from a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB.

Please read the section 12.1 DVB-S/DVB-S2 configuration to learn how to get into this menu.
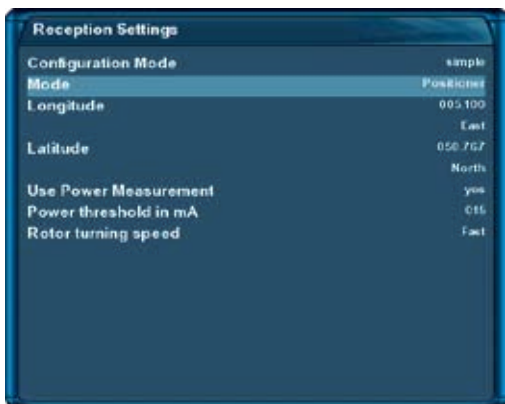
The "Reception settings" menu will open up.

Use the **up/down-Buttons** to navigate to the "Mode" option and use the **left/right-Buttons** to select "Positioner".

This menu is meant for a Stab positioner. You only have to enter the geographical details of your residence.

At http://www.heavens-above.com you can find the coordinates of your residence.

The rest is done automatically by your Dreambox with build-in **US-ALS**.

USALS is a model for calculating the position of all satellites in orbit with a margin of error less than 0.1 degrees. USALS was developed by the Stab company.

Everything is done automatically and does not require any technical know-how.

12.1.6 Stab Positioner without USALS (DVB-S/DVB-S2)

Use this type of configuration if you want to receive many satellites without a Stab positioner from a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB.
Please read the section 12.1 DVB-S/DVB-S2 configuration to learn how to get into this menu.

The "Reception settings" menu will open up.
Using the **Navigations-Buttons left/right** to select the "advanced" configuration.
Navigate to the option "Satellite". Use to the **Navigation-Buttons left and right** to select the desired satellite and.
Navigate to the option "Satellite" and press the **Navigation-Button right.**
Use the **up/down-Buttons** to navigate to the "Mode" option and use the **left/right-Buttons** to select "1.2".

Reception Settings

Configuration Mode	advanced
Satellite	Astra (19.2E)
Voltage mode	Polarization
Tone mode	Band
Use usals for this sat	yes
LNB	LNB 1
DiSEqC mode	1.2
Toneburst	None
Committed DiSEqC command	None
Fast DiSEqC	no
Sequence repeat	no
Command order	committed, toneburst
Uncommitted DiSEqC command	None
DiSEqC repeats	None
Longitude	005.100
	East

Navigate to the option "Use usals for this sat" and change the setting to "no" using the **Navigation-Buttons left and right**.

Navigate to the option "Stored position" and enter position of the selected satellite which is saved in the positioner by using the **Numeric Keypad**.

Refer to the instruction manual or your positioner for the number of the saved position.

12.1.7 Tuner B setup (DVB-S/DVB-S2)

The same setup possibilities that applied for Tuner A also apply for Tuner B. There are some additional configuration options.

Reception Settings

Configuration Mode	equal to
Tuner	Tuner A (BCM4501 (internal)) (DVB-S2)

Equal to socket A:
Use this setting if Tuner B should use the same settings as Tuner A.

Loopthrough to socket A:
Use this option if the LNB1 out should be connected to the LNB2 in. You do not need an external connection cable.

Nothing connected:
Use this option if no cable is attached to Tuner B.

Secondary cable from motorized LNB:
Use this option if you are using a positioner with a Twin- or Quad LNB and have 2 cables from the LNB connected to the LNB1 and LNB2 in. Tuner A controls the positioner and using Tuner B you can continue watching TV on the same satellite while recording. All others are grayed out.
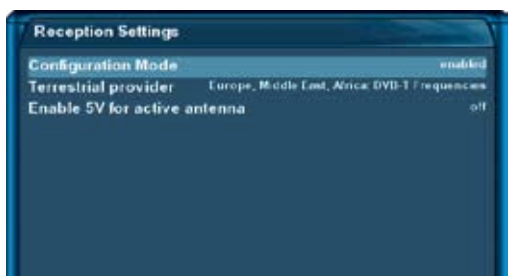
12.2 DVB-C Tuner configuration

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option "Setup" and press the OK-Button to select.

1. Navigate to the option "Service searching" and press the OK-Button.

  • The "Service searching" menu will open up.

2. Navigate to the option "Tuner configuration" and press the OK-Button.

  • The "Choose tuner" menu will open up.
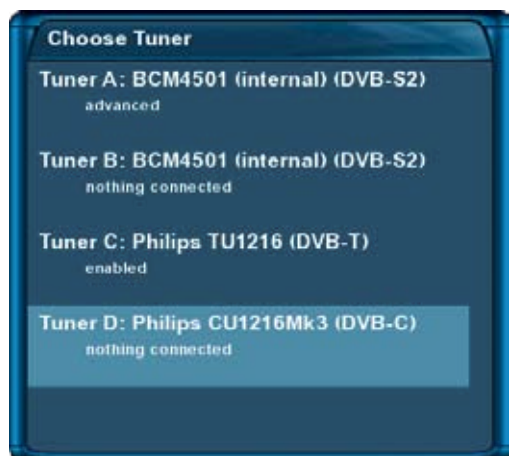
3. Use the Navigation-Buttons up and down to select the DVB-C Tuner and press the OK-Button.

  • The "Reception settings" menu will open up.

Frequency bands

This type of searching scans the frequencies used by most cable providers. This setting is the default.

Use the **Navigation-Buttons left/right** to set the "Used service scan type" option to "Frequency bands".

Press the **OK-Button** to save your settings.

You will be taken back to the "Choose tuner" menu.
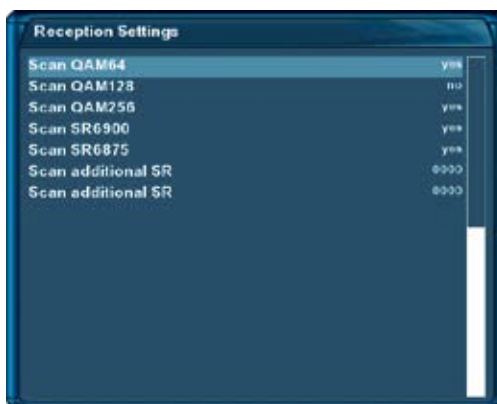
Frequency steps

This type of searching scans the set frequencies step by step in a set increment.

Use the **Navigation-Buttons left/right** to set the "Used service scan type" option to "Frequency steps".

Frequency scan step size (kHz): Use the **Numeric-Keypad** to set the step increment.

Press the **OK-Button** to save your settings.

You will be taken back to the "Choose tuner" menu.

12.2.1 Tuner B setup (DVB-C)

The same setup possibilities apply if you are using a second DVB-C tuner in your Dreambox (see chapter 12.2 DVB-C Tuner configuration).

12.3 DVB-T Tuner configuration

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "Service searching" and press the **OK-Button**.

   • The "Service searching" menu will open up.

2. Navigate to the option "Tuner configuration" and press the **OK-Button**.

   • The "Choose tuner" menu will open up.

3. Use the Navigation-Buttons up and down to select the DVB-T Tuner and press the **OK-Button**.

   • The "Reception settings" menu will open up.

Choose your region by pressing the **Navigation-Buttons left/right**.

If you have connected an active antenna and you want to run the antenna without it's original power supply set the "Enable 5V for active antenna" option to "On".

Press the OK-Button to save your settings.

12.3.1 Tuner B setup (DVB-T)

The same setup possibilities apply if you are using a second DVB-T tuner in your Dreambox (see chapter 12.3 DVB-t Tuner configuration).

12.4 Automatic scan

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "Service searching" and press the **OK-Button**.

   • The "Service searching" menu will open up.

2. Navigate to the option "Automatic scan" and press the **OK-Button**.

   • The "Automatic scan" menu will open up.

3. Use the Navigation-Buttons up and down to select the DVB-T Tuner and press the **OK-Button**.

Set the "Clear before scan" option to "Yes" if you want to delete all services before the scan starts.

Otherwise leave the setting to "No" which results in only new services being added to the channel list. To find the new services press the **Navigation-Buttons up/down** and afterwards the green Options-Button to access the "Satellites" view. You will find them under "New".

Use the **Navigation-Buttons up/down** to select a tuner and the **Navigation-Buttons left/right** to enable or disable the scan for the selected tuner.

Press the **OK-Button** to start the scan for all tuners which option is set to "Yes".

Note:

The search will only be run once if you are using two tuners of the same type (DVB-S, 2xDVB-T or 2x DVB-C) since the service list is the same for both of them. It is **not** necessary to run the search separately for each tuner.

You can see the progress of the scan here.
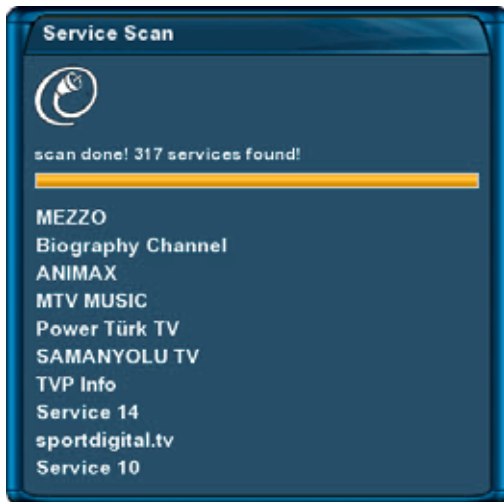
The scan is done once you see this menu.

It shows how many channels were found during the scan.

Press the **OK-Button** to close this menu.

12.5 Manual scan

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "Service searching" and press the OK-Button.

   • The "Service searching" menu will open up.

2. Navigate to the option "Manual scan" and press the **OK-Button**.

The "Service scan" menu will open up.

Use the Navigation-Buttons left/right to select the tuner on which you want to run the manual service scan.

All other options can be changed by using the Navigation-Buttons left/right and depend on the type of tuner that you want to run the scan on.

Press the OK-Button to start the manual scan.

13. Updating the software
13.1 Backing up your settings

Before installing newer software on your Dreambox you should backup your settings, otherwise they will be lost.

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Games/Plugins" and press the **OK-Button** to select.

Navigate to the option "Backup/Restore" and press the **OK-Button**.

Set the "Backup Mode" option to "enigma2 and network".

Set the "Backup Location" option to "Harddisk".

Press the **blue Options-Button** to start the backup.
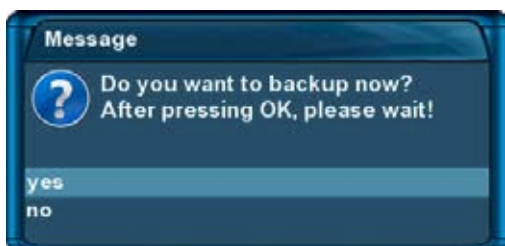
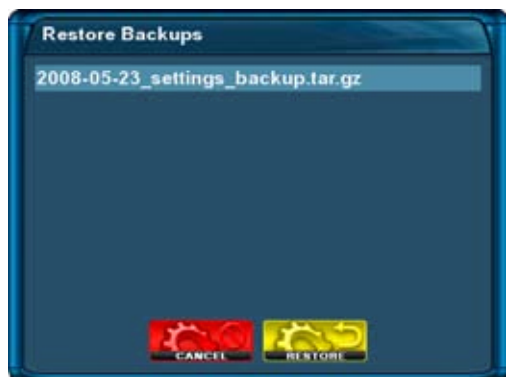You will be prompted if you want to backup now.

Answer with "yes".

You will get an "Execution finished" message if the backup process was successful.
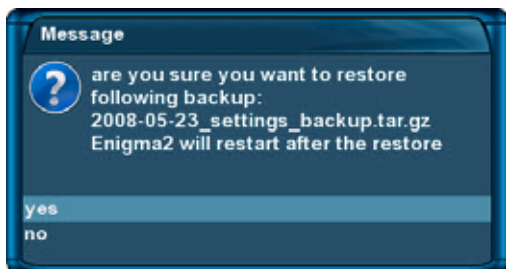
13.2 Restoring your settings

Please read chapter 13.1 to find out how to get into this menu.

Press the yellow Options-Button to start restoring your settings.

You will be prompted with a list of backups that you have made so far.

Select the desired backup and press the **yellow Options-Button** to restore your settings.

You will be prompted if you want to restore now.

Answer with "yes ".

The system will reboot with your desired settings.

13.3 Installing new software

How do I install new software on my Dreambox DM 8000 HD PVR DVD?

Prerequisites:
• PC with Windows operating system
• DreamUP software (current version under http://www.dream-multimedia-tv.de)
• 1 serial null modem cable
• 1 network cable (optional)
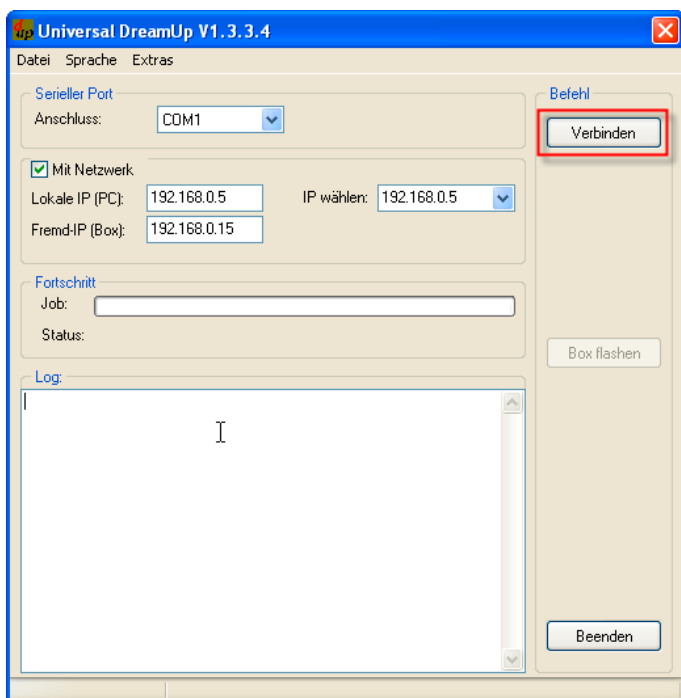
Firstly disconnect your Dreambox from main power.

Start the DreamUp software on your PC.

Select COM1 or COM2 depending on the port which the null modem cable is connected to.

Check the "Use network" box if your PC and Dreambox are connected using a network cable.

The software update can be done without network support, but it takes at least 30 minutes.

Enter your PC's IP under "Local-IP (PC)"you're your Dreambox's IP under "Foreign-IP (Box)".
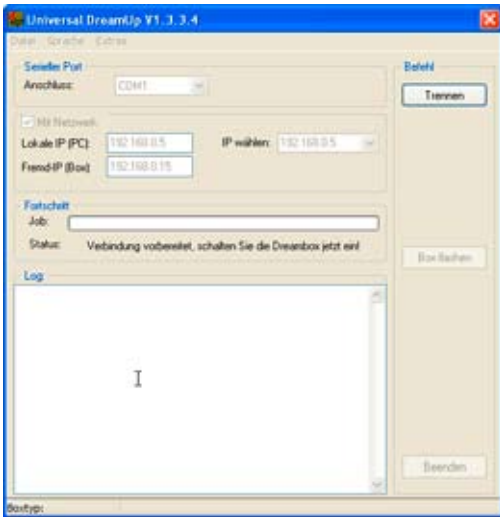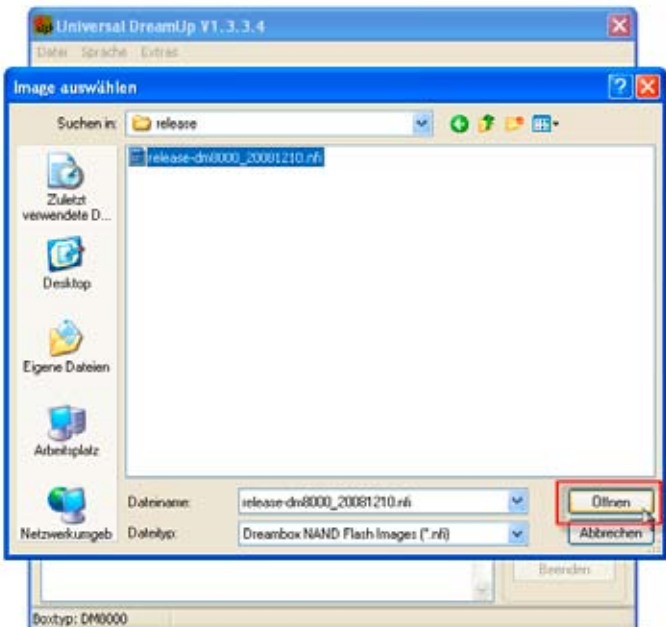
Click on the "Connect" button and reconnect your Dreambox to main power.
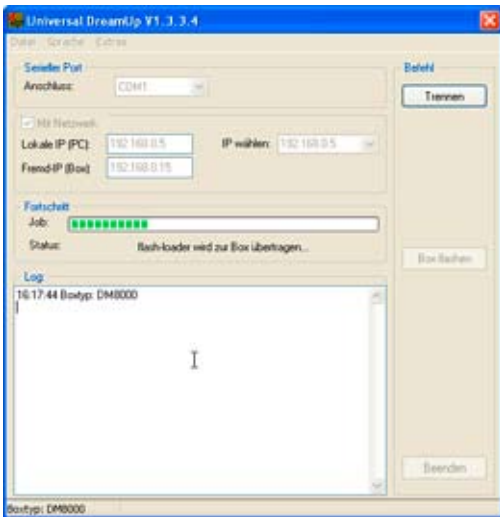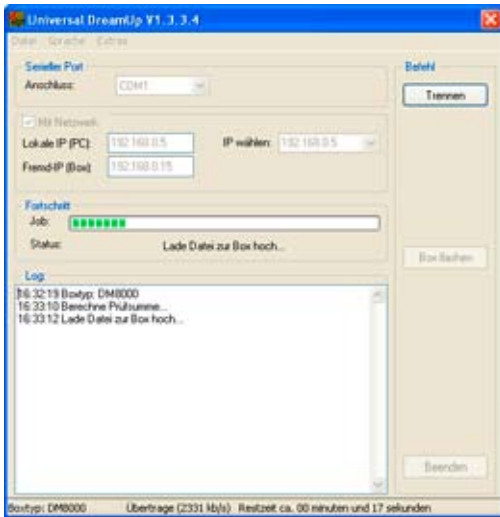

The flash loader will now be transferred to your Dreambox.
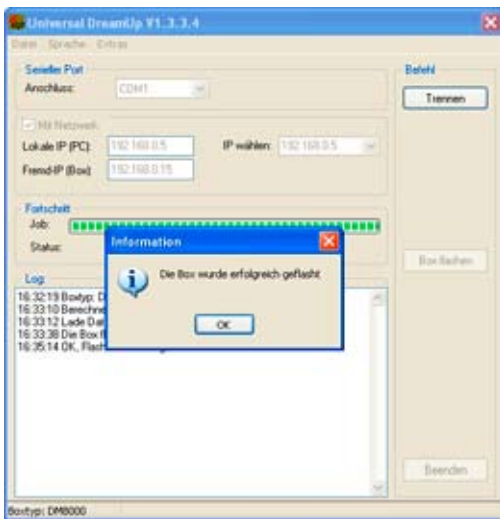

After the flash loader has been transferred to your Dreambox select the "Flash Box" Button in the DreamUp software.

Select the software image and click on the "Open" button.

The new software is now being transferred to your Dreambox.

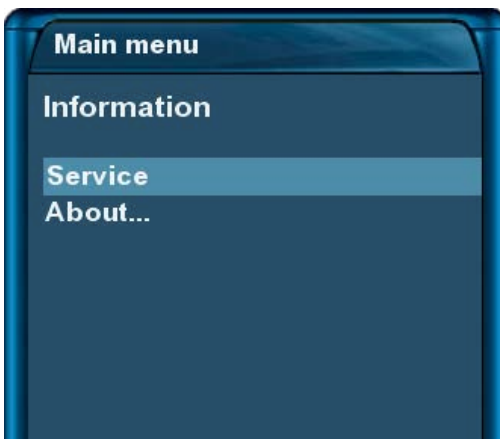If the process was successful you will get a "Box was flashed suc-cessfully" message.

Click on "OK" and on "Exit" afterwards.

Disconnect and reconnect your Dreambox from main power.

14. Systeminformation
14.1 Service

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Information" and press the **OK-Button** to select.

The "Information" menu will open up.

Navigate to the option "Service" and press the **OKButton.**

This window shows detailed technical information about the current service.

Press one of the four **Options-Buttons** to get the following information:
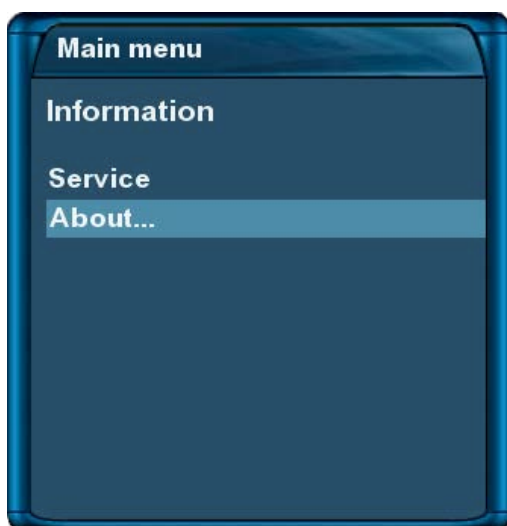
red = Serviceinfo

green = PIDs

yellow = Transponder

blue = Tuner status

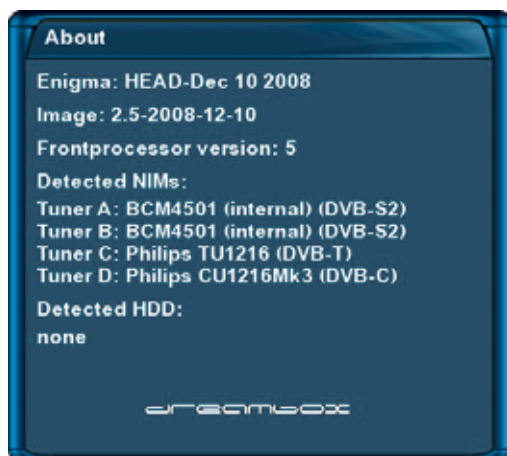Press the **OK-Button** to close this menu.

14.2 About (Hard- and Software)

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option "Information" and press the **OK-Button** to select.

The "Information" menu will open up.

Navigate to the option "About…" and press the **OK-Button**.

This window shows all relevant information about the Hard- and Software of your Dreambox.

Press the OK-Button to close this menu.

15. Hardware Addons

This capter describes how to install a 3,5" SATA Hard disk or a DVD-Drive in your Dreambox DM 8000 HD PVR DVD.

Please always adhere to ESD (Electrostatic Discharge) regulations when handling electronic devices. Make sure that you are grounded. Do not open the device in your living room or in any other rooms with carpeting or any other flooring that can carry an electrostatic charge. Remove all connection from the device. Only open the device with the tools depicted in this manual. Try to avoid direct contact with the main circuit board. If all this doesn't mean anything to you or if you have too many question, please contact your dealer or technician.

Also notice the warranty notes in chapter 1.1 Safety instructions.

15.1 Opening the device

1. Slide the left and the right side panels backwards as shown in the pictures below.
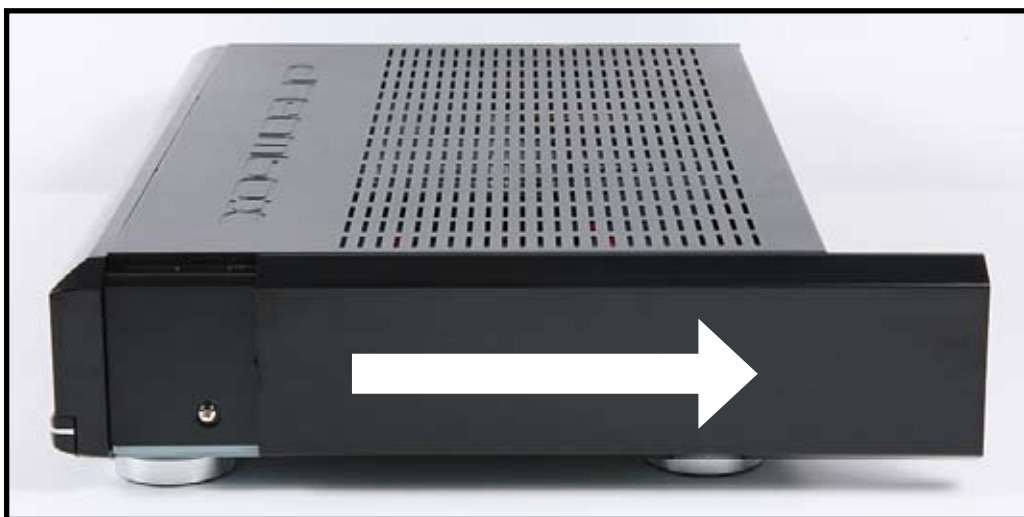
2. Unscrew the 2 screws on each side of your Dreambox.

3.Remove the marked screw on the rear panel.

4. Lift the cover off as shown below.

15.2 Installation of a 3,5" SATA Hard disk

1. Remove the zip tie which is holding the SATA cable for the optional DVD drive. Please ensure that the cable is not damaged during this process.
2. Remove the 4 marked screws holding the hard disk cage in place and lift the hard disk cage upwards thus removing it from the Dreambox.
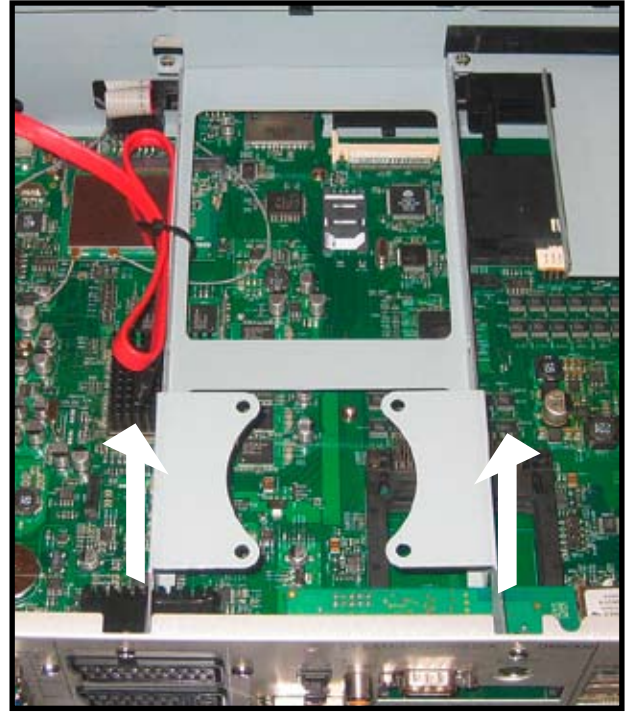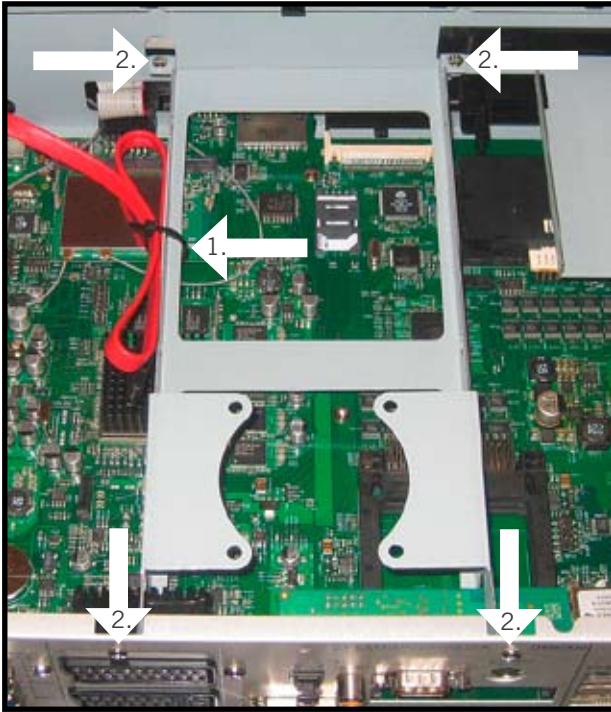
3. Insert the 4 blue rubber cushions into the mounting holes of the hard disk cage. Place the hard disk in the cage and ensure that the hard disk's connectors point towards the fan mount.

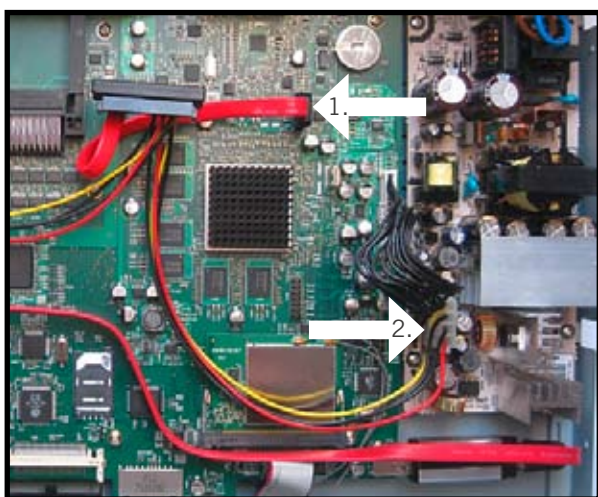4. Secure the hard disk in the cage with 2 screws on each sides.
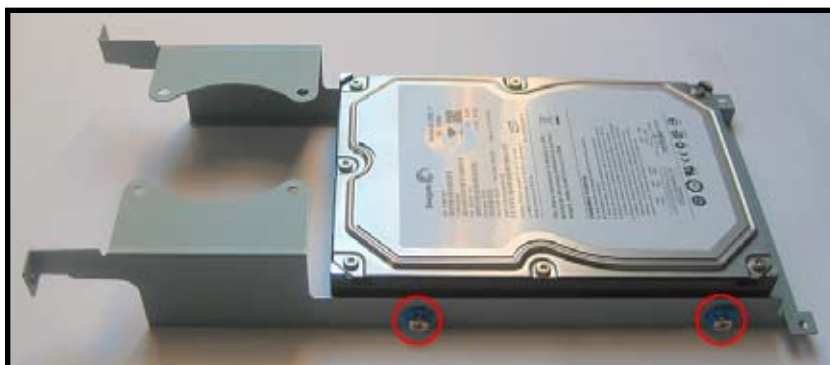
5. Connect the included hard disk adapter as shown in the first picture below and prepare the connector by bending the red SATA cable as shown in the seconds picture below.

6. Connect the SATA connector to you hard disk and remount the hard disk cage in your Dreambox by reat-
   taching the 4 screws that you removed earlier (See step 2).
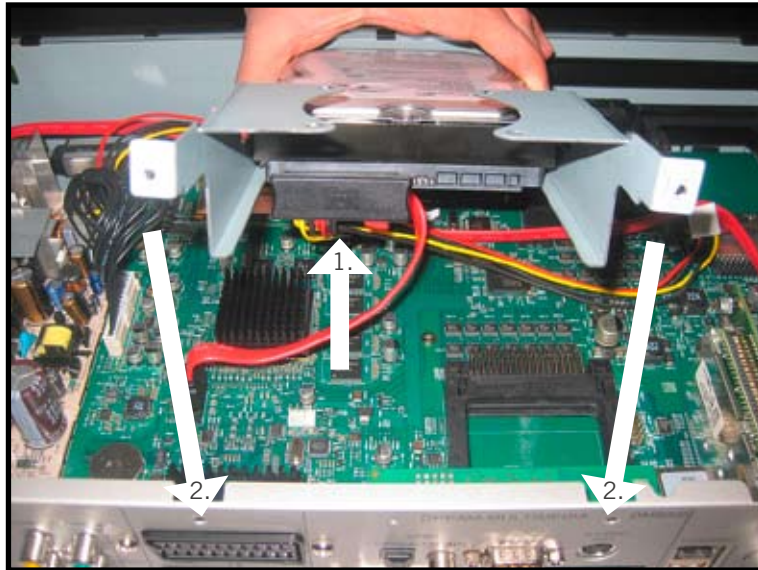
7. Reassamble your Dreambox by following the guide in chapter 15.1 backwards.

8. Reattach all necessary cables to you Dreambox making sure that you connect the power cord as last.

Note: Before you can use the hard disk your have to initialize it first. See section 7.1.1 to learn how
              it's done.

15.3 Installation of a slimline SATA DVD-Drive

1. Unscrew the 3 maked screws and remove the mounting cage from your Dreambox.
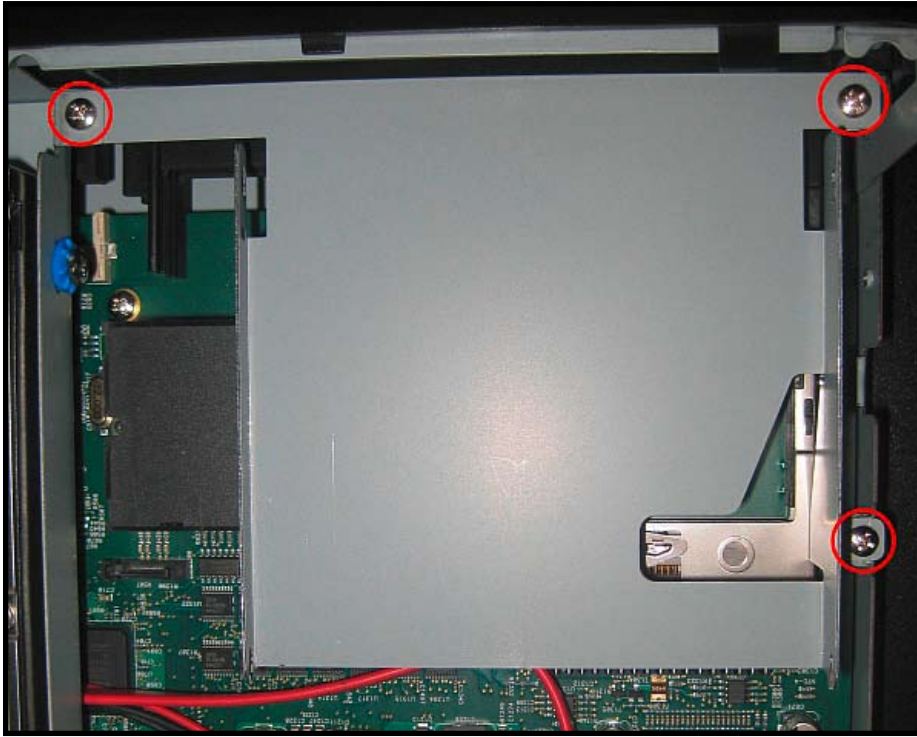
2. For mounting the drive you need the following: a slimline SATA DVD-Drive of your choice, the mounting cage you just removed, 4 small screws for mounting the drive in the cage and 2 bigger screws for attaching the DVD adapter. All 6 screws and the DVD adapter came in the package of your Dreambox when you bought it.

3. Connect the SATA adapter to your DVD-Drive and fasten it with the 2 bigger screws.

4. Use the 4 smaller screws to secure the DVD-Drive in the mounting cage.
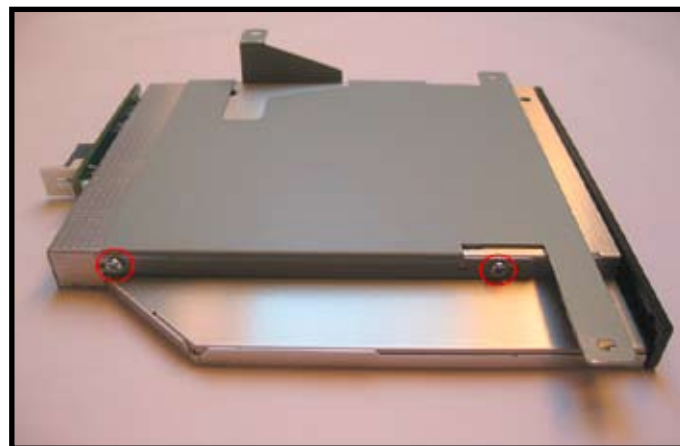
5. Insert the mounting cage with the DVD-Drive back into your Dreambox and screw the 3 screws removed in step 1 back into place.

6. Connect the red SATA cable and the white power plug to the DVD adapter at the back of your DVD-Drive.

7. Reassamble your Dreambox by following the guide in chapter 15.1 backwards.

8. Reattach all necessary cables to you Dreambox making sure that you connect the power cord as last.

16. Troubleshooting

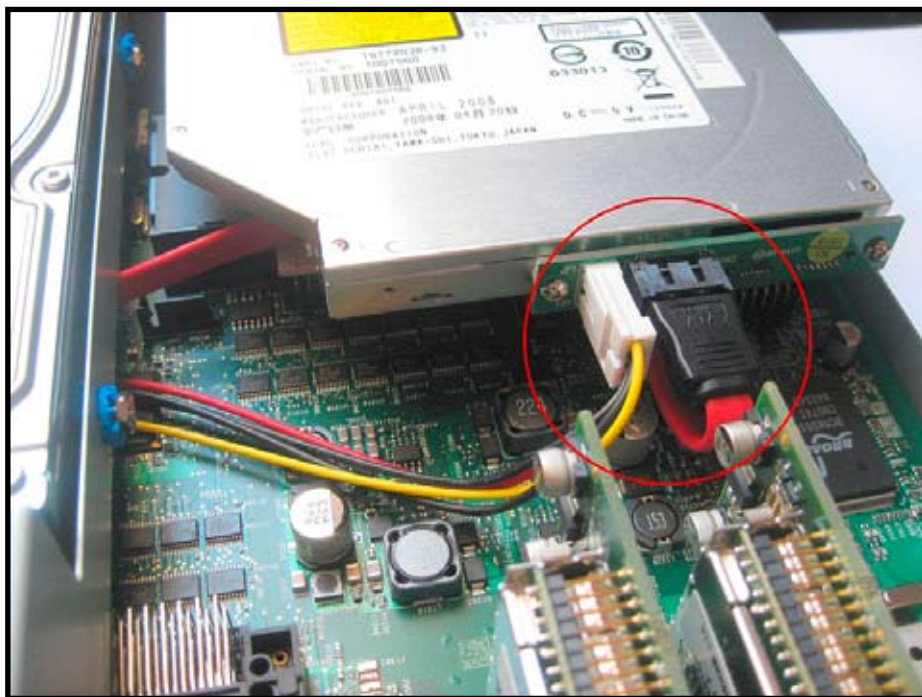| Problem	Possible cause	Solution
No audio, no video, OLED-Display lit	Faulty wiring	Check wiring and connections
	Faulty LNB	Exchange LNB
	Wrong Tuner setting	Review settings (see 12.1 DVB-S configuration)
	Dish aligned incorrectly	Realign dish
Beamlike blackouts in the video	Heavy rain or snow	Remove snow from dish
	Dish aligned incorrectly	Realign dish
	Dish is too small	Install larger dish
	An obstacle between dish and satellite (e.g. house or tree)	Reposition dish so it has a clear "view" towards the satellite
No reception on a channel that was working before	Dish aligned incorrectly or faulty	Check dish
	Channel is transmitted in a new slot	Start service scan (see chapter 12)
	The transmission of thechannel was terminated	————
You cannot record anything anymore	Hard disk is full	Delete no longer needed recordings
Remote control is not working	Batteries are inserted incorrectly	Remove batteries and check polarity
	Batteries are empty	Insert new batteries
	Wrong remote control mode (Dream-Mode, TV-Mode)	Press Dream-Mode or TV-Mode button
	Software is not reacting	Reboot Dreambox
Dreambox does not react	Dreambox is locked up	Reboot Dreambox

17. TV-Mode setup

A four digit device code is selected from the device list and entered into the remote control.

The most recent device list can be found in the download center on our website.

Homepage: www.dream-multimedia-tv.de

SHIFT / SETUP-Button

TV-Mode-Button

Numeric-Keypad

17.1 Programming the remote control

• Press the TV-Mode-Button once.

• Press the SHIFT/Setup-Button for 3 seconds, the TV-Mode-Button will flash twice.

• Use the Numeric-Keypad to enter the four digit device code into the remote control. The TV-Mode-Button will flash once for every digit you enter. Once you have entered all four digit the TV-Mode-Button will flash twice.

• The remote control exits the programming mode automatically.

• If no code is entered within 10 seconds the remote control will exit the programming mode automatically.

18. Technical data

• 400 MHz MIPS Prozessor
• Linux operating system
• 4x DVB Common-Interface Slot
• 2 x Smartcard-Reader (Dreamcrypt)
• DVI out
• YPbPr component out
• Composite out
• S-Video out
• 2 x Scart-Connector (TV, VCR)
• S/P-DIF optical and coaxial out AC-3
• integrated Compact Flash Reader (Slot inside the front panel)
• integrated SD-Card Reader (Slot inside the front panel)
• MPEG2 / H.264 hardware decoding (DVB compliant)
• Twin DVB-S2 Tuner

• 2 x Plug&Play Tuner slots for optional tuners DVB-C, DVB-T, DVB-S, mixable
• 10/100 Mbit compatible Ethernet Interface
• 3 x USB 2.0 Port (1x front, 2x back)
• serial V.24/RS232 port
• brilliant OLED-Display
• 256 MByte DDR RAM
• 128 MByte Flash
• 2x SATA
• mini PCI slot
• Picture-in-Picture mode (PiP)
• prepared for WiFi (slot and antenna)
• EPG-support (electronic program guide)
• Built-in Teletext
• Support for DiSEqC™ 1.0/1.1/1.2 and USALS
• OSD in many languages

Additional info:

DVB/S2-Tuner:

supports DVB-S2 Broadcast Services profile

Frequency Range: 950 - 2150 MHz

QPSK Demodulation according to EN 302 307

Inputlevel: -65 dBm ... -25 dBm

Noise extent: 12 dB max.

DBS-Tuner Input Connector F-Type female

Input Impedance: 75 Ohm

AFC-Catchlevel: +/- 3MHz

Demodulation Shaped QPSK and 8PSK

FEC Viterbi and Reed-Solomon

Viterbirates 1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9
Roll-off factor: 35%

Common-Interface:
Common-Interface Power Consumption max. 0,3A/5V

Video decoder:
Video Compression MPEG-2/H.264 and MPEG-1 compliant
Video standard: PAL G/25 Hz, NTSC
Picture format 4:3, 16:9
Letterbox for 4:3 TV sets

Audio decoder:
Audio compression MPEG-1 & MPEG-2 Layer I and II, MP3
Audio Mode Dual (main/sub), Stereo
Frequency: 32 kHz, 44.1 kHz, 48 kHz, 16 kHz, 22.05 kHz, 24 kHz

Analog out:
Outputlevel L/R 0,5 Vss at 600 Ohm
THD > 60 dB (1kHz)
Cross-talk < -65 dB

Digital out:
Outputlevel 0,5 Vss at 75 Ohm
Frequency 32 kHz, 44.1 kHz, 48kHz
S/P-DIF-Ausgang optisch, coaxial (AC3)

Video parameters:
Inputlevel FBAS 1 Vss +/- 0.3 dB at 75 Ohm
Teletext according to ETS 300 427 standards

TV-Scart:
Output: FBAS, RGB, S-Video over OSD selectable

VCR-Scart:
FBAS

Serial Interface RS 232:
Type RS232 bidirectional
Birate 115,2 kbit/sec max.
SUB-D-9 connector
Function: Software update

Ethernet:
10/100 Mbit compliant network port
Function: Software update

USB:
USB 2.0 Host Connector

SATA Connectors:
Connector for internal 3,5" HDD

Compact Flash - Reader
SD Card - Reader
LNB power and polarization per tuner:
LNB Current 500mA max. ; short-circuit-proof
LNB Voltage vertical < 14V without load, > 11,5V at 400mA LNB
Voltage horizontal < 20V without load, > 17,3V at 400mA LNB
shut-off at Standby-Mode

Count of active satellite positions:
DiSEqC™ 1.0/1.1/1.2 and USALS

OLED-Display:
The OLED-Display has a MTBF of 55.000 hours at 50% brightness and 25°C ambient tempereature.

Input voltage:
110/230V / 50/60 Hz AC +/- 15%

Power consumption:
< 30 W (in Use, horizontal polarization / 400mA LNB current)
< 26 W (in Use, no LNB connected)
< 2 W (Deep-Standby-Mode)

General:
General:
Ambient Temperature +15°C...+35°C
Humidity < 80%
Dimensions (W x D x H): 430mm x 280mm x 90mm
Weight: 3.0 kg without HDD and DVD-Drive

19. Features

• Single-EPG (Electronic Program Guide): sortable by date or alphabetically
• Automatic search for additional air dates of a show and easy recording them bytimer
• Multi-EPG: graphically and text-based
• Up to 8 recordings at once (4 on each transponder)
• Timeshift
• List of recordings: sortable by date or alphabetically and free choice of different views
• Timer programming manually or by EPG
• Individually configurable timers, e.g. single or recurring timers
• Plug & Play Twin Tune, mixable if needed:

      DVB-S + DVB-S   DVB-C + DVB-C
      DVB-T + DVB-T   DVB-S + DVB-C
      DVB-S + DVB-T   DVB-T + DVB-C

• Automatic tuner management
• Picture-in-Picture mode (PiP)
• DiSEqC™ 1.0/1.1/1.2 and USALS
• Channel change in less than a second

- Start wizard for initial setup
- Pre-installed service list for DVB-S
- unlimited service lists for TV and Radio
- Support of favorite lists
- full automatic channel scan
- DVB/Teletext subtitle
- Integrated Teletext with level 2.5 support
- Radiotext / Rass (Info under www.rass.tv)
- Parental control
- Sleeptimer
- Easy expansion of the base function with the use of Plugins
- Remote controllable via Web-Interface and streaming of the TV-/Radio stations to any PC connected to the Dreambox through network
- MP3 playback
- Skinable OSD in many languages

20. Contact & support information

Headquarter & Distribution:
Dream-Multimedia GmbH
Pierbusch 24-26
44536 Lünen
Deutschland

Dealer's Hotline:
(Dealers only)
Tel.: +49 (0)180 - 368 43 98 - 000 (0,09€/min.)
Fax: +49 (0)180 - 368 43 98 - 001 (0,09€/min.)

You can reach the dealer's hotline from :
Mo - Fr. 09:00 am - 12:00 pm and 01:00 pm - 03:00 pm

Technical Hotline:
Tel.: +49 (0)180 - 368 43 99 - 777 (0,09€/min.)
Fax: +49 (0)180 - 368 43 99 - 778 (0,09€/min.)

You can reach the technical hotline from:
Mo - Fr. 09:00 am - 12:00 pm and 01:00 pm - 03:00 pm

Dealers & Pricing:
E-Mail: info@dream-multimedia-tv.de

Technical Support:
E-Mail: support@dream-multimedia-tv.de

Website:
Weblink: http://www.dream-multimedia-tv.de

<u>**Support Forum:**</u>
Weblink: http://www.dream-multimedia-tv.de/board

<u>**Software Support (current images):**</u>
Weblink DM 8000: http://www.dm8000.de

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Version 2, June 1991

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DREAMBOX - Service Slip

Please fill out this from completely and return it to your dealer (= contractor)

Please write legible to ensure a quick and problem-free progess!

If you do not attach a copy of your invoice no service will take place!

Please only send the defective parts without any accessories! - Leave the HDD installed!

Customer number: _____   Returndate: _____

Last name / Company: _____   First name: _____

Contact person: _____   Phone: _____

Street: _____   Fax: _____

Country/Zip/City: _____   E-Mail: _____

Returned device: DM _____   Serial: _____
(Type)

Equipment (e.g. HDD): _____   Soft-Ver.: _____

Contact data:

Contact person: _____

Communication via…/at… : _____

Defect- / Jobdescription (Please write legible and detailed):

_____

_____

_____

_____

_____

The job can only be completed if you add a detailed description of the defect.

A simple "defective" does not work and the device will be returned to you! So please be thorough!

Reason for return::

☐ Repair within warranty   ☐ Repair with cost   ☐ Other: _____

With my signature I agree that repairs up to 30€ will be done without consulting me. Without your signature the job will and can not be done!

_____

Place, date, signature

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23. Menu Overview

Main Menu

- Subtitles
- Media Player
- DVD Player
- Timer
- VCR Scart
- Information
  - Service
  - About
- Plugins
- Setup
  - Service Searching
    - Tuner configuration
    - Automatic scan
    - Manual scan
    - Satfinder
    - Default services lists
    - Positioner setup
  - System
    - A/V settings
    - Language
    - Customize
    - Timezone
    - Display setup
    - Network
    - Timeshift path
    - Video Fine-Tuning
    - Skin
  - Common Interface
  - Parental control
  - Default settings
- Standby / Restart
  - Factory reset