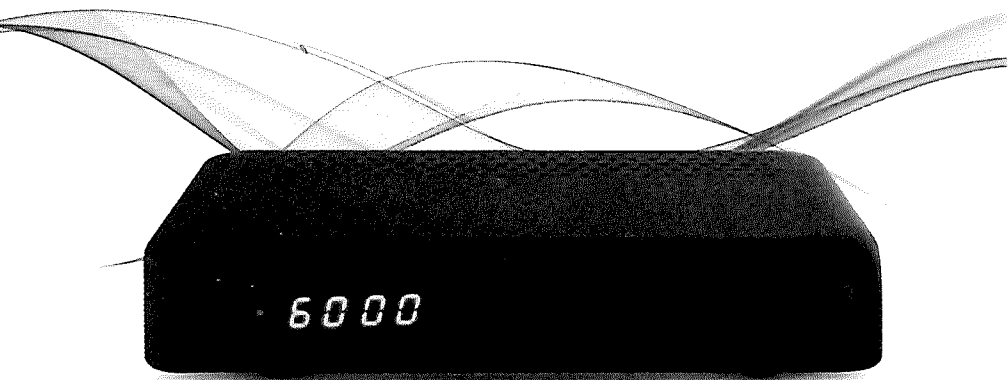


DCST-5X

High Definition Digital Settop Converter
Clear QAM and
Xcrypt CAS ported



USER'S MANUAL

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1. SAFETY WARNING

This product has been manufactured to comply with international safety standards. Please read the following safety precautions carefully.

MAIN SUPPLY (Power): 90-260V AC 50/60Hz

Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company.

Disconnect the product from the mains before you start any maintenance or installation procedures.

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

LIQUID: The product should not be exposed to liquid of any kind. In addition, no objects filled with liquid should be placed on the apparatus.

CLEANING: Disconnect the product from the wall outlet before cleaning. Use a light damp cloth (no solvents) to dust the product.

VENTILATION: The slots on top of the product must be left uncovered to allow proper airflow into the unit.

- Do not stand the product on soft furnishings or carpets.
- Do not stack electronic equipments on top of the product.

ATTACHMENTS: Do not use any unsupported attachments as these may be hazardous or cause damage to the product.

CONNECTION TO THE AERIAL: Disconnect the product from the mains before connecting or disconnecting the cable from the aerial. Failure to do so can damage the aerial.

CONNECTION TO THE TV: Disconnect the product from the mains before connecting or disconnecting the cable from the TV. Failure to do so can damage the TV.

GROUNDING: The input cable should be connected to a ground block and ground rod

LOCATION: Place the product indoors to avoid exposing it to lightning, rain or sun.

- Do not place it near a radiator or heat register.
- Make sure it has more than 10cm clearance from
- Do not block the openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface.
- If you place the product on a rack or a bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
- Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling product can cause serious injury to a child or adult and serious damage to the appliance.

LIGHTNING, STORM or NOT IN USE: Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

EXTRANEIOUS OBJECTS: Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

REPLACEMENT of PARTS: Replacement of parts may only be made by service technician specified by the manufacturer.

WARNING

To avoid damage of the power cord or plug:

- Do not modify or process the power cord or plug arbitrarily.
- Do not bend or twist the power cord.
- Make sure to disconnect the power cord holding the plug.
- Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
- The main plug shall remain readily operable.

To avoid electrical shock:

- Do not open the main body.
- Do not insert metal or inflammable objects inside the product.
- Do not touch the power plug with wet hands.
- Disconnect the power cord in case of lightning.

To avoid damage of product:

- Do not use the product when it is out of order. If you continue to use the product when defective, serious damage can be caused to it. Make sure to contact your local product distributor if the product is out of order.
- Do not insert metal or alien substance into the slots for the modules or smartcards.

It may cause damage to the product and reduce its life span.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

2. QUICK SETUP

1. Check accessories

Please check the gift box for completeness of accessories. Included should be: Settop Converter, Remote Control, User Manual, 2 Batteries, HDMI Cable, 3.5mm AV Cable, and power adapter.

2. Connect the Settop Converter to the TV Set

Connect your Settop Converter with your TV Set. Details can be found in the User Manual under chapter 4. **How to connect your settop converter.**

3. Connect the Settop Converter with the TV service provider's signal

Connect your Settop Converter to the Cable system. Details can be found in the User Manual under chapter 4. **How to connect your settop converter.**

4. Switch on the Settop Converter and TV Set

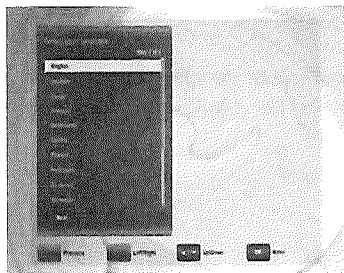
Switch on the AC-Power Switch on the rear side of the Settop Converter and then press the Standby button in the Front of the Settop Converter (see User Manual for more details: Chapter 5.2 **Front Panel** and 5.3 **Rear Panel**)



5. Insert the Batteries

Insert the Batteries into the battery case on the underside of the Remote Control. Please make sure that the Battery + and - Poles are correctly aligned.

6. Settings in the OSD Menu

After the Settop Converter has booted it will display the On-Screen Menu on your TV Set. If this is not the case, please check the connections as well as the settings of your TV Set.



Please use the  key on your Remote Control to manoeuvre through the menu and then please confirm with the  key.

Information about changes to the channel list please see chapter **8. Edit Channels** in the User's Manual.

Under **chapter 5.1** you can make yourself familiar with the functions of your remote control

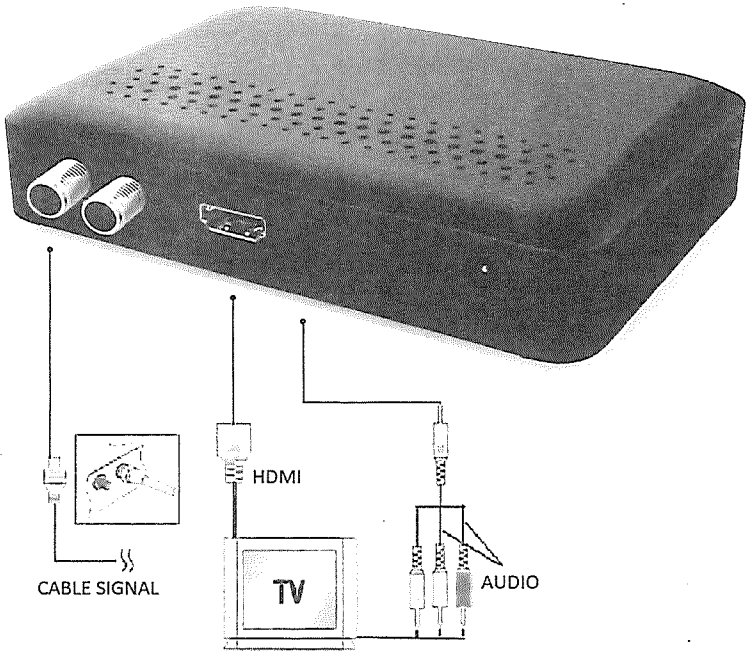
Under **chapter 6** the TV as well as Recording and Playback-Functions of your settop converter are described

3. GENERAL FEATURES

- SD./ HD support (MPEG2 and AVC/H.264)
- User friendly Installation
- 1 Xcrypt CAS Smartcard-Reader
- USB PVR Function (by using external HDD)
Time Shift Mode (by using external HDD)
1 Channel recording, 2nd Channel watching on same TV (by using external HDD)
- Event Timer by EPG
- High Definition Video output : HDMI
- Subtitle support : OSD
- 4-Digit 7-Segment Display
- Channel sorting by FTA, CAS, Alphabetic & Numeric
- EPG : Now and Next and 7 days EPG
- Video output resolution: 576p, 720p, 1080i, 1080p
- User selectable output resolution
- Multi language OSD
- Fast Channel Change
- Memory for up to 10,000 TV channels
- 8 Favourite List & Unlimited Programs per each
- Channel Edit Function
 - Move, Delete, Favorite Edit
 - Parental Lock, Channel Rename, Channel Skip
- Network Scan
- IR Extender
- Software Upgrade via USB
- Closed Caption with sub-page access
- Standby < 1 Watt

4. HOW TO CONNECT YOUR SETTOP CONVERTER

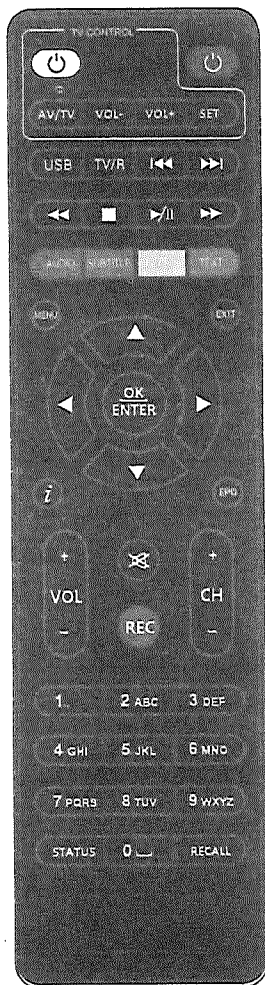
4.1 It is better to connect the Settop Converter to TV by using HDMI as Composite Video and Audio is not HD.



- Connect the coaxial cable to "RF IN" terminal marked at the rear of the settop converter.
- Connect an HDMI cable between the HDMI-ports of your TV Set and your settop converter.
- Connect the external 12V Power Supply

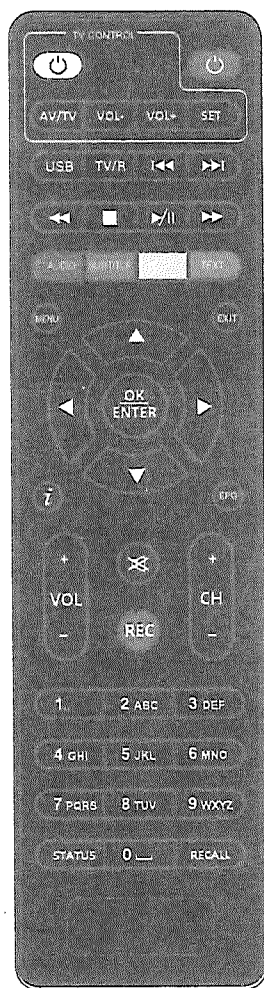
5. HARDWARE

5.1 Remote Control



	POWER : By pressing this button, user can turn on/off the TV.
	AV/TV : By pressing this button, the user can choose from video source.
	VOL - : By pressing this button, you can turn down the volume of TV set.
	VOL + : By pressing this button, you can turn up the volume of TV set.
	SET : By pressing this button, you can start/finish learning procedure of TV codes.
	POWER . By pressing this button, the settop converter will go into standby mode. When the settop converter is in standby mode, it can be awakened by pressing this button again.
	USB : By pressing this button you can access the recorded files and media files on a connected USB Hard-Disk-Drive.*
	TV/RADIO : By pressing this button the user can jump between TV and radio lists of the settop converter.
	JUMP Back : Jump forward by 10 Channels in the Channel-List or jump forward during playback of a recorded or media file.*
	JUMP Forward : Jump back by 10 Channels in the Channel-List or jump back during playback of a recorded or media file.*
	REWIND : During Playback of recorded files this button can be used to rewind.*
	STOP : By pressing this button Playback or Recording can be stopped.*
	PLAY/PAUSE : By pressing this button the archive on the connected USB HDD is displayed. During Rewind or Fast Forward this button returns to regular playback. Press PAUSE to halt Playback.*
	FAST FORWARD : During Playback of recorded files this button can be used to fast forward*
	RED / AUDIO : By pressing this button you can choose alternative Audio tracks if provided by the channel operator. (Second language)
	GREEN / SUBTITLE : By pressing this button you can display subtitles (Closed Caption) if provided by the channel operator.
	YELLOW / SLEEP TIMER : By pressing this button one or more times, the user can determine the time after which the settop converter will automatically go into Standby.
	BLUE / TELETEXT : Not used in the USA

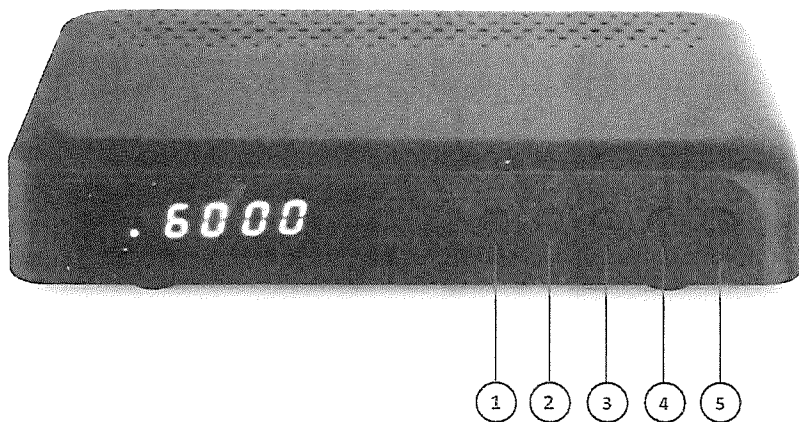
* requires a USB HDD to be connected and operational



	MENU: By pressing this button, the user can activate the main menu of the receiver.
	EXIT: By pressing this button, the user can exit from the menu without saving the made changes or go one step back in the menu structure.
	cursor UP: By pressing this button, the user can jump to next channel on the channel list. In menu structure, user can move up one row.
	cursor LEFT: By pressing this button, the user can decrease the audio volume level of the receiver. In menu structure, user can change between selectable options.
	cursor RIGHT: By pressing this button, the user can increase the audio volume level of the receiver. In menu structure, user can change between selectable options.
	cursor DOWN: By pressing this button, the user can jump to previous channel on the channel list. In menu structure, user can move down one row.
	OK / ENTER: By pressing this button, the user can confirm a selection or save settings in a menu.
	INFORMATION. By pressing this button, the user can see present and following information about the currently watched channel.
	ELECTRONIC PROGRAM GUIDE. By pressing this button, the user can see current and forthcoming programming information for each channel. 8-day program information guide is also available by using this button.
	VOL +: Increases the Volume
	VOL -: Decreases the Volume
	MUTE. By pressing this button, all audio outputs of the receiver are muted. When muted, Audio output can be regained by pressing this button again.
	RECORD: By pressing this button you can start a recording (only if a USB HDD is connected and operational)*
	CH +: Changes up one channel within the channel-list
	CH -: Changes down one channel within the channel-list
	0-9 NUMBER. By pressing one of the number buttons (0 - 9), the user can change channel or enter a number to menu.
	STATUS: Displays Information about the status of the receiver, connected USB device and channel reception data.
	RECALL: return to previously viewed channel

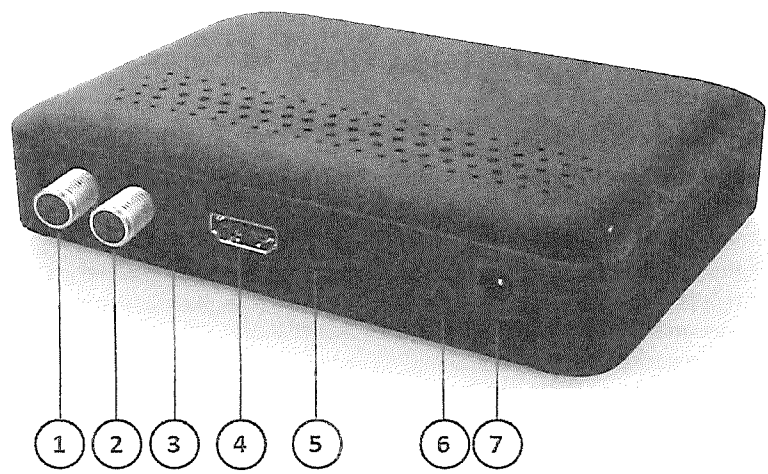
* requires a USB HDD to be connected and operational

5.2 Front



1. MENU BUTTON
2. OK BUTTON
- 3 & 4. CHANNEL UP & DOWN
5. POWER BUTTON

5.3 Rear



No.	Name	FUNCTION
1	RF IN	Input for Cable Signal
2	RF OUT	Loop-Output for Cable Signal to another device
3	SMART CARD SLOT	Slot for Smart Card (Xcrypt only)
4	HDMI	High-Definition Digital Video/Audio Output
5	AV OUT	Audio and Video Output
6	EXT. IR	Input external IR-Sensor
7	12V = 1A	Connection for external Power Supply

6. WATCHING TV

This chapter describes how to watch TV using the settop converter. Thanks to the advantages of Digital TV transmissions, extra features are added to the broadcast, such as information about the current and next program and extra options such as the ability to choose between different languages for Audio and Subtitling.

6.1 General watching

- Use the CHANNEL UP or CHANNEL DOWN keys to go to the next and previous channel respectively.
- Use the NUMBER keys to input a channel number.
- Press the OK / ENTER key in Live TV Mode to display the channel list.
- Use RECALL key on the remote control to select the channel that the user was watching before the currently selected channel.
- Use TV/RADIO key on the remote control to toggle between the last selected TV- or Radio Channel.
- Press UP or DOWN keys on the front panel of the settop converter to select the next/previous channel from the current channel list.
- Use INFO key to display the information banner about the current program. Press INFO key again to display the information of the current Event. With the CURSOR RIGHT or CURSOR LEFT you can see the next event information. Press again INFO key or the EXIT key to hide the banner and event information.

Please note: Program information will only be displayed if it is included in the current transmission. Availability and validity of program information is dependent on the broadcaster.

6.2 Options

- Subtitling (Closed Caption) language (green key): Use the select from available subtitle languages, if more than one exists. Selection from the available choices is made with CURSOR UP or CURSOR DOWN key and confirmation by OK key.
- Audio track (red key): Some TV channels broadcast multiple audio tracks, for example different languages or AC3 Audio tracks. Selection from the available choices can be made by pressing the CURSOR UP or CURSOR DOWN keys and confirming with the OK key.

Beside alternative tracks, you can set the mode to Stereo or Mono-left or -right.

6.3 EPG (Electronic Program Guide)

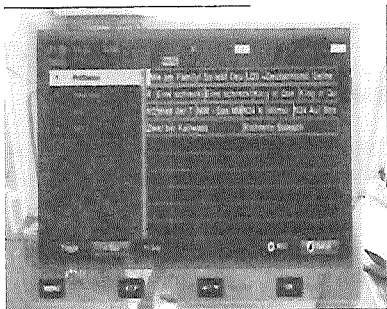
Now & Next as well as 7 days Program Information

EPG application can be activated by pressing the EPG key when watching a TV- program.

EPG application is divided into two levels. The first level gives an overview of 12 continuous channels with information about present and forthcoming programs.

By pressing the GREEN (TOGGLE) key the second level provides information of all available events for the selected channel for the next 7 days. Availability of Program information data is dependent on the individual broadcaster. By again pressing EXIT key you can close the EPG menu.

Navigating on the first level of EPG (Multi-EPG)



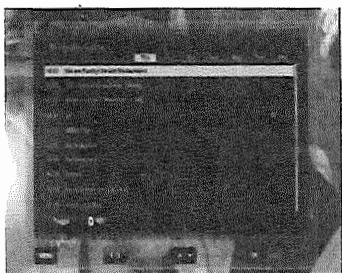
The Channel can be selected by CURSOR UP or CURSOR DOWN and confirmed by pressing OK key.

The Time-Line indicates which programs are live at the present time. Following Programs can be selected with the CURSOR RIGHT key. Detailed Information for the selected Program can be seen by pressing the i INFO key. By pressing the YELLOW key will show the events of previous day and the BLUE key the events of the next day.

Provided you have a USB HDD connected and ready operational press RED key (also on a current Event) to Record an Event.

Depending on how the EPG data is transmitted by the broadcaster it is possible that Program information is not available until one has actually selected the channel. It is possible to select (tune into) the channel at the cursor position by pressing the OK key. If there is more up-to-date information available for this channel it will be updated on screen in short time.

Navigating on the second level of EPG



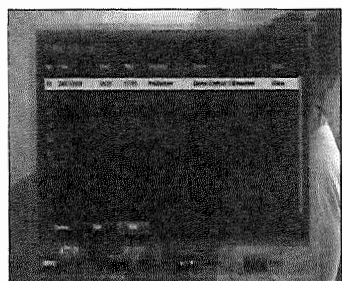
By pressing the GREEN key (TOGGLE) the second level EPG will appear. This application provides complete EPG information for the selected channel. It is possible to scroll between programs in chronological order for a particular day with the CURSOR UP and CURSOR DOWN keys.

After pressing the I INFO key detailed information for the Program will be displayed. Press the EXIT- key to exit the detailed Information.

Please note: Program information will only be displayed if provided by the according channel.

6.4 EPG-Timer (Timer programming via EPG)

In the Single- or Multi-EPG Mode you have the option to schedule programs in the timer. Move the cursor to the desired program and simply press the RECORD key.



An additional window is opened which displays the timer schedule. If a HDD is connected the recording will be made accordingly to the connected external HDD. If a HDD is not connected the settop converter will switch to the according channel at the programmed time.

Note: Should two timer reservations overlap, and error message will be displayed. You then need to change or delete one of the two reservations. Use the CURSOR UP and CURSOR DOWN keys to move to the reservation you want to change and either delete a reservation with the RED key or change the start or duration time using the BLUE key.

6.5 Closed Caption

Closed Caption application can be activated/deactivated by pressing the TEXT / BLUE key.

- By use LEFT/RIGHT key for enable/disable Closed caption
- By use UP/DOWN key for select Closed caption.
- CC1 : the primary caption service for non-digital programming.
- CC2 ~ CC4 : the text services that may contain different information, including alternative languages.
- T1 ~ T4 : the text services that may also provide additional information from the Closed caption provider.

6.6 PVR Functions

When connecting an external Hard-Disk-Drive to the USB port, the Settop Converter can be used as a PVR (Digital Video recorder). When a program is set up for recording using the PVR function, channel numbers highlighted in white can be watched at the same time, channels in grey are not able to be tuned so cannot be watched during a recording.

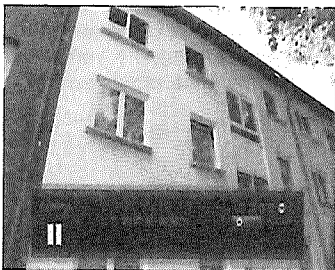
6.6. 1 Direct recording

To start a recording press the RECORD key, choose duration with the LEFT / RIGHT keys and confirm with the OK key.

6.6. 2 EPG Recording

Via the EPG you can program a Timer reservation – Please also see 6.4. for more details.

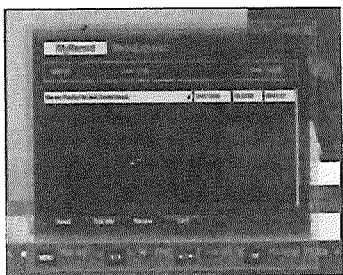
6.6. 3 TimeShift-Function



During Live TV you can press the PAUSE key to activate the TimeShift function. The Settop Converter pauses the program. With the PLAY key you can continue to watch the timeshifted program.

With the EXIT key or after changing to another channel the TimeShift function is de-activated.

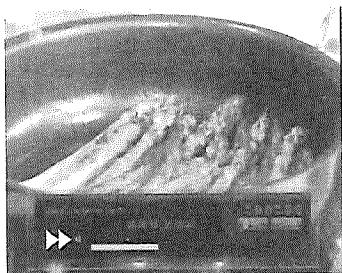
6.6. 4 Playback



After pressing the USB key a list is displayed which contains all the recorded programs on your connected external USB HDD. Use the UP /DOWN keys to move the cursor to the desired program and confirm with the OK key to start playback.

Also, you can Rename (YELLOW), Delete (RED) or Lock (BLUE) a recording. If supported by the Channel operator, by pressing the INFO key in the file list or

during playback details about the recorded program are displayed.



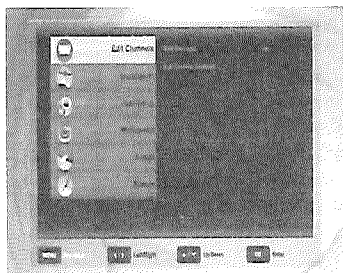
By pressing the FAST FORWARD or REWIND keys you can increase the playback speed to 2, 4, 8 and 16x in both directions. By pressing the FF or REW and then the SLOW key during playback you can playback in Slow motion either forwards or backwards. Repeatedly press to change the playback speed from 1/2, 1/4, 1/8.

To stop playback press the STOP key. By pressing the EXIT key you can return to the live channel.

Note: Functions such as Recording, Timeshift and Playback require an external HDD to be connected via USB (2.0) and to be ready operational. Only FAT32 formatted Hard-Disk-Drives can be used. Other formats may not be recognized by the settop converter. A USB stick may also be used.

7. MENU OPERATION

The main menu can be activated by pressing the MENU key. Main menu provides access to most important features of the setup converter. These features are divided into following Menus. Each Menu contains corresponding sub-menus. The Main Menus are as following:

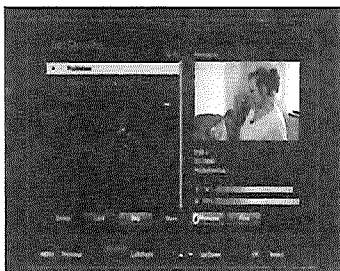


- Edit Channels
- Installation
- User Setup
- Multimedia
- Xcrypt CA
- System

You can move between the Main Menu by pressing the CURSOR LEFT or CURSOR RIGHT key. The available Sub-Menus can be seen by pressing the CURSOR DOWN key and confirmation by OK key. You can exit menu without saving the changes made by pressing EXIT key. Pressing the OK key will exit the Submenu and save the changes.

8. EDIT CHANNELS

8.1 Create Channel List (Move)



This menu is used to create or order your channel lists. Press menu key, select Edit Channels by using the RIGHT CURSOR and press OK.

Select one or more channels which need to be moved using the BLUE, the UP- and DOWN-CURSOR keys. Press BLUE key and move the selected channels by UP and DOWN CURSOR to the new desired position. Press the BLUE key to

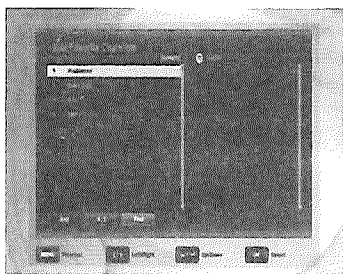
confirm to drop the channels at the current position.



The individual functions are:

Command	Key	Function
Delete	RED	Delete a channel from the Channel List
Lock	GREEN	Lock a channel, requires PIN to view that Channel
Skip	YELLOW	Mark a channel to be skipped when zapping
Move	BLUE	Move a channel in the list up- or downwards
Rename	INFO	Rename a channel
Select	OK	Select one or more Channels i.e. to move a whole group of channels

Note: After editing the channels and pressing the EXIT or MENU key, you can confirm your new channel list by pressing OK key. If you don't want to save any changes and keep the previous configuration, cancel the process by pressing LEFT arrow and choosing "NO", and then pressing OK key to confirm.

8.2 Edit Favorite Channels



This menu is helpful in adding and deleting services to and from the favorite group. Edit favorite channels screen consist channel list (left) and favorite list (right). Buttons  /  switch cursor between both lists.

When cursor is on channel list (left) below functions are available:

Add (Red button): Adds channel currently marked by cursor channel to actual favorite list (right)

A_Z (Green button): Sorts Channel list in alphabetical order.

Select (OK button): Enables select of more than one channel on list and use one from above functions on this group. This function is helpful in mass edition of channels.

Find (FIND button): Enables find of specific channel by name, using intelligent keyboard system. This function is helpful when user needs to quick find channel with specific name.

When cursor is on favorite list (right) below functions are available:

Delete (Red button): Erases channel from favorite list. Channel will not be erased from channel list.

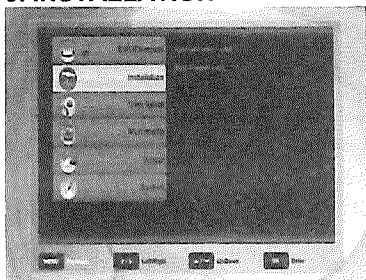
Next FAV (Green button): Changes actual listed favorite list to next. There are 8 favorite lists available.

Rename FAV (Yellow button): Enables favorite list name changing by screen keyboard. User can choose letter from keyboard by cursor buttons and accept it by **OK** button. When using keyboard, functions of color buttons are different. Back (Green button) erases last character in list name. Clear (Yellow button) erases whole name. Toggle (Blue button) changes page of available characters. Save (Red button) quits from keyboard module and saves modified list name.

Move (Blue button): Marks channel by skip symbol and enable to change this channel position on channel list by buttons. Another press of **Move** button accepts actual, new channel position.

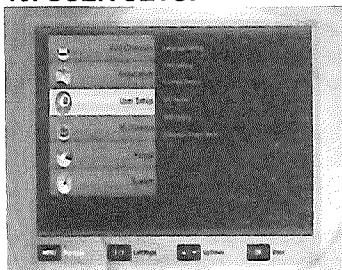
Select (OK button): Enables select of more than one channel on list and use one from above functions on this group. This function is helpful in mass edition of channels.

9. INSTALLATION



The scan of the channels must be done using the Automatic Search Cable menu. In the Default Setting menu, you can delete all channels and return to default settings.

10. USER SETUP

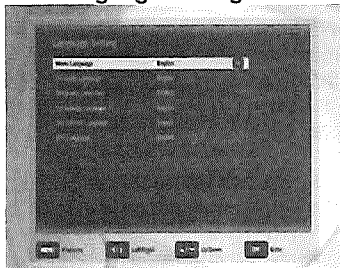


By using the CURSOR keys you can select:

- Language Setting
- Time Setting
- Parental Control
- AV Control
- OSD Setting
- Automatic Power Off

Press the OK key to confirm your selection.

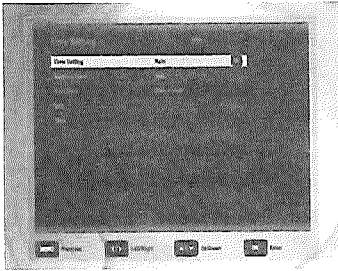
10.1 Language Setting



Menu Language: Select the preferred language for the system menus.

- Audio Language: Some TV programs send multiple audio tracks, for example in two different languages. If there are no audio tracks available that match your settings, another language may be used instead.
- Subtitle Language: Select the preferred language for the subtitling and Program information.

10.2 Time Setting

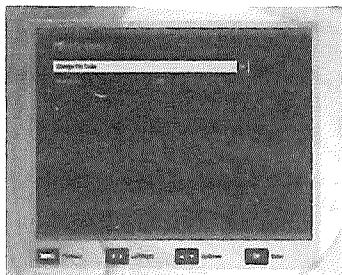


This menu contains Time Setting, Daylight Savings Time and GMT Offset. Select “Manual” or “Auto” mode using CURSOR LEFT or CURSOR RIGHT key and then OK to confirm. If you want to change the time and date manually in time offset menu, please set this “Manual” mode.

The table below shows the different time zones in different formats.

Time Zone	GMT (Greenwich Mean Time)	UTC (Coordinated Universal Time)
Atlantic	GMT-4	UTC-4
Eastern	GMT-5	UTC-5
Central	GMT-6	UTC-6
Mountain	GMT-7	UTC-7
Pacific	GMT-8	UTC-8
Alaska	GMT-9	UTC-9
Hawaii	GMT-10	UTC-10

10.3 Parental Control

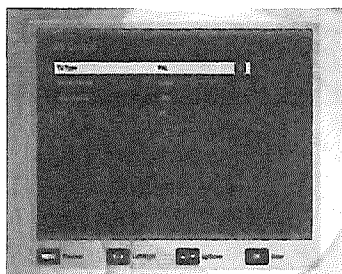


To use the Parental Control function you will be asked to enter your access PIN code. All parental control features work on a locking concept with the PIN code as your entrance key.

The default PIN code is set to 0000 at the factory.

- **Change PIN code:** Use this function to change your PIN code to some other four digit number.
- **New PIN:** Enter a new four digit PIN code by pressing the OK key and using the number keys on your remote control.
- **Verify new PIN code:** Re-enter the same new four digit PIN code once again to verify the new PIN code.

10.4 A/V Control

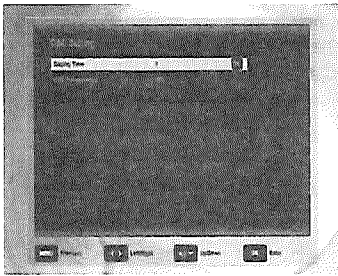


In the Audio/video menu, you can modify the properties of the audio and video signals to suit your TV and audio equipment.

- **TV Type:** User can select the video format consistent with your TV
- **Display Format:** If you select the display aspect ratio of TV as "4:3", then also the preferred aspect ratio conversion scheme for cases in which the transmitted Program is in "16:9" format can be chosen. The options are:

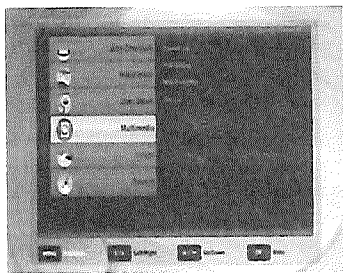
- Pan & Scan: The settop converter interprets pan & scan vectors encoded in the Program and crops the 16:9 input signal for display on 4:3 TV.
 - Letterbox: In this mode the original aspect ratio of the 16:9 input video signal is preserved, thus there are vertical black bars on the top and bottom of the screen.
 - Ignore: Use this setting, if your TV set handles the aspect ratio conversion.
- Video Format: Please choose from the available resolutions 1080p / 1080i 720p or 576p – for 1080p you will need to confirm with the “1” key – a TV set that does not support 1080p (Full-HD) will not be able to display this setting.
 - AC3: Choose Digital Audio Output between Off, SPDIF and SPDIF + HDMI

10.5 OSD Setting



You can adjust the display time (time of the appearing of the info bar) and the OSD transparency (in %) on top of video signal of the settop converter.

11. MULTIMEDIA (only with connected an external HDD)



In this Sub Menu you can make some settings for your connected Hard-Disk-Drive for the PVR Operation and also format the HDD. The Sub Menu includes the following functions:

- Record List
- PVR Setting
- HDD-Properties

11.1 Record List

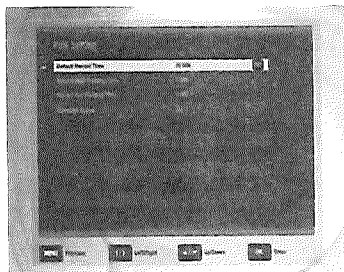
A set timer causes the settop converter to wake up from standby mode at the specified time and change the channel to the specified one.

If an external HDD is connected to the USB port and is operational, recordings can be made directly on the HDD. The following functions (Timer-Status) can be chosen from:

- Off: No Timersetting
- On: The Settop Converter at the desired time switches on the chosen channel.
- Pre-Recording: If a HDD is connected and operational, at the set time the pre-programmed broadcast will be recorded on the HDD.

Please note: Timersettings that have been programmed in the EPG (see EPG-Timer point 6.4) are automatically marked in the Timer list as "Recording" and can be edited or deleted here.

11.2 PVR Settings

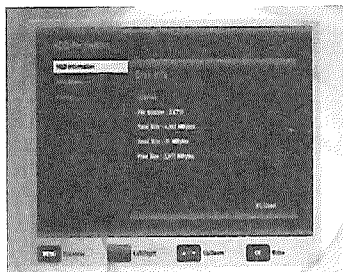


You can select the default duration for direct recordings. For direct recordings a window appears after pressing the REC key which displays this pre-defined setting. Before beginning the recording this can be adjusted.

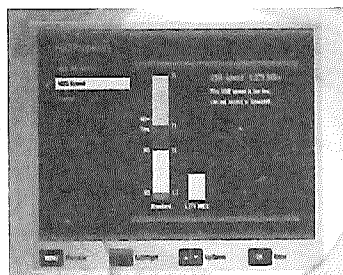
Also you can set the Padding time (beginning and end time before and after a programmed recording) – choose between: None, 5, 10, 15, 20, 25 and 30 Minutes.

11.3 HDD Properties

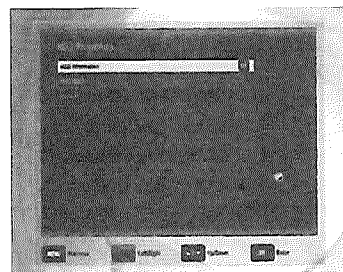
In this Sub Menu you can see all information about your connected Hard-Disk Drive as well as an option to format the HDD



HDD Information: Displays the file system, the total and the used capacity.



HDD Speed: Check the speed of the connected USB HDD and see if it meets your requirements.



Formatting: After confirming with the OK key the HDD is formatted.

Please note: All files on the Hard-Disk-Drive will be deleted when formatting.

12. TROUBLESHOOTING

Problem	Possible causes	Remedy
LED on front panel does not light	AC Power cord disconnected	Connect power cord properly into the power socket
No picture or sound	Wrong connection of the Video/audio output to TV input terminal	Connect two terminals correctly With HDMI cable or RCA or RF cable
	Wrong connection of antenna cable	Connect the antenna cable correctly
	Wrong direction of antenna	Adjust the direction of antenna
	No signal or weak signal	Check the cable connections
	Wrong setting of channels Information in MENU screen	Type the setting value correctly
Black-and-white screen or V-Hold	Your TV mode is different from broadcasting mode	Use TV of same mode Use the NTSC/PAL converter Connection to the settop converters and TV
The remote control is not working	Battery exhausted	Change the batteries
	Fluorescent light interfering with the remote control	Switch off the light
	Remote control is incorrectly aimed	Aim the remote control at the settop converters
Distorted menu screen	Too high brightness and contrast level of TV set	Adjust brightness and contrast to low level
Not working	Process down	Remove the power cord

13. SUPPORT

Should you need additional help or support please contact your cable service provider

14. APPENDIX A - ACRONYMS USED IN THIS MANUAL

OSD	On Screen Display
EPG	Electronic Program Guide
USB	Universal Serial Bus (thumb drive or memory stick port)
PVR	Personal Video Recorder
HDD	Hard Disc Drive (external hard drive for recording content)