

User's Manual

DW 800

HDTV Digital Receiver



DREAM WORLD

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1. Caution and Safety Guide

To read this safety information carefully and keep these instruction and caution all warnings. Please pay special attention to the following instructions to avoid risk of injury to yourself or damage to your equipment. Any changes or modifications in this device which are not approved by the party for compliance could void the user's authority, making invalid the manufacturer's warranty.

Caution



This symbol indicate a hazardous situation to alert the user to the non-insulated damages on the equipment or apparatus.

Warnings



This symbol indicate a important instructions on the damage of the equipment or apparatus.

Safety Notes

This set top box has been manufactured to satisfy the international safety standards. Please read the following safety precautions carefully.

- | | | |
|--------------------|---|--|
| Main Supply | : | 95 to 250V AC |
| Overloading | : | Do not overload a wall outlet, extension cord or adapter as this may result in fire or electric shock. |
| Liquids | : | The set top box shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. |
| Cleaning | : | Disconnect the set top box from the wall outlet before cleaning. Use a light damp cloth to dust the set top box. |
| Ventilation | : | The slots on top of the set top box must be left uncovered to allow proper airflow to the unit. Do not expose the set top box to direct sunlight or do not place it near a heater. Do not stack electronic equipments on top of the set top box. |
| Attachment | : | Do not use any accessories as these may cause hazard or damage the set top box. |

Connection to the Antenna :

Disconnect the set top box from mains before connecting or disconnecting the cable from the antenna. Failure to do so can damage the antenna.

Connection to the TV : Disconnect the TV from the mains before connecting or disconnecting the cable from the set top box. Failure to do so can damage the TV.

Grounding : The antenna cable must be earthed to the system earth of the antenna. The grounding system must comply with national standards for electrical safety.

Location : The set top box is designed for indoor use only. Do not expose it to lightening, rain, or direct sunlight.

General Safety Information:

- Do not remove the cover.
- Do not allow the unit to be exposed to hot, cold or humid conditions.
- Do not connect or modify cable when the set top box is plugged in.
- Use a soft cloth and a mild solution of dish washing liquid to clean the casing.
- Never allow liquids, spray or other materials to come into contact with the inside of the set top box.
- Service should be carried out only at an authorized service centre, contact your local dealer for more information.
- Please note that the set top box will be isolated completely from the 230V mains supply only after setting the mechanical power switch to be Off.

2. Basic Information

2.1 Features

- MPEG-2 / MPEG4 H.264
- Smart Card Interface(Conax7 & X-CryptCAS Embedded)
- Multiple Output Resolution 1080i,720p,576p,480p,576i,480i
- USB 2.0 PVR Function via External HDD
- High Speed Software Upgrade via USB2.0 Host
- JPEG Viewer & MP3 Player
- High Definition and Standard Definition compliant
- HDMI Supported
- Teletext and Subtitle by OSD & VBI
- DVB Subtitle function
- Variable Aspect Ratio (4:3,16:9)
- Last Channels Memory
- Multilingual Menu & OSD
- Extended Display Electronic Program Guide (EPG)
- User Friendly 16 bit True color Graphic Menu
- Multi Picture Display
- Zoom In-Out Display
- Sleep timer
- 10 digit Vacuum Fluorescent Display (VFD)

2.2 Accessories

The accessories below are included with the set top box.

- ? HDMI cable
- ? Remote Control
- ? 2pcs of AAA type batteries
- ? Power Cord
- ? Operating User manual.

2.3 Front Panel Description



Item	Description
1. Power Button	Switch the receiver On/Off
2. CH Up / Down Buttons	Changes channel in viewing mode and move the cursor up/down in menu mode.
3. Volume Left / Right Buttons	Changes volume level or moves the cursor left / right in the menu mode.
4. Smart Card Slot	1 Smart Card slot
5. VFD Display	Indicate the channel information and operation status.
6. IR Sensor	Receive signal from Remote Control Unit.

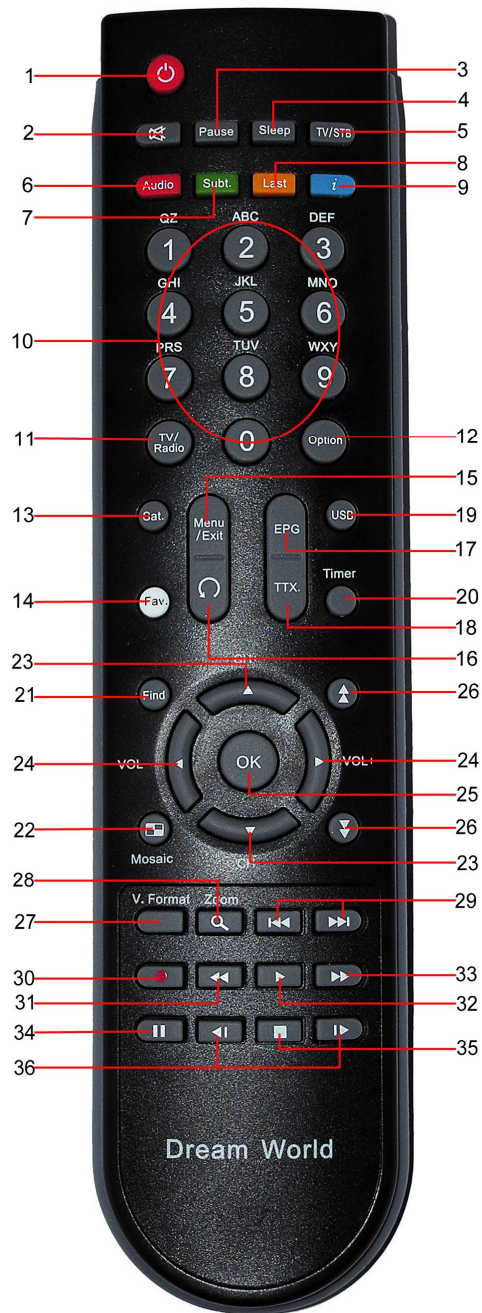
2.4 Rear Panel Description












Item	Description
1. RF IN	Connects a signal port.
2. RF OUT	Output port of signal.
3. USB Connector	Connect external USB memory for software
4. TV Scart	Connect a set top box for audio and video signals to TV set.
5. VCR Scart	Connect a set top box for audio and video signals to VCR.
6. HDMI Output	Connect HDMI input of TV .
7. Ypbpr Out	Connect Y/Pb/Pr (Green, Blue, Red) to a TV or VCR that accepts HD component video input.
8. CVBS/Audio (L)/ Audio (R)	Connect CVBS to Video of TV or VCR
9. Optical	Optical digital audio output.
10. RS-232 Data Interface	Serial port allowing software upgrades thru connection to a PC or other STB
11. Power	Connect a power outlet







2.5 Remote Control Unit

The remote controller can control features for the set top box.



ITEM	Description
1. Power	Turns the receiver ON or to the Stand-By mode.
2. Mute ()	Switches sound ON/OFF.

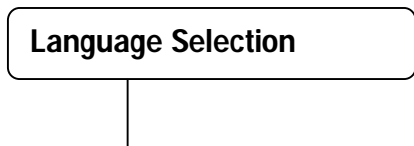
3. Pause	Pauses the current screen
4. Sleep	Select the turn off time.
5. TV/STB	Switches between TV and STB mode.
6. Audio	Changes the audio mode
7. Subt.	Displays DVB subtitles
8. Last	Display last viewed TV or Radio channels.
9. Info ()	Display information on the channel status
10. Numeric Buttons	Enter the channel number and use as alphabetic search key in the channel list .
11. TV/Radio	Switches between TV and Radio mode.
12. Option	No function
13. Sat.	No function
14. Fav.	Display the favorite channel list.
15. Menu/Exit	Display the main menu and returns to viewing the TV .
16. Back ()	Return to previous status
17. EPG	Displays the TV / Radio channel guide.
18. TTX.	Call for displays Teletext by OSD.
19. USB	Displays external HDD memory status.
20. Timer	Call for timer event menu.
21. Find	Call for Quick search
22. Mosaic ()	Shows Multi Display (2x2, 3x3, 4x4).
23. Up/Down	Moves up/down in the menus
24. Left/Right	Move left / right in the menus
25. OK	Confirms the choice and/or selection in the highlight menu while watching TV or listening to Radio.
26. Page Up/Down	Move to the next or previous channel list.
27. V.Format	Change the resolution for HD output.
28. Zoom ()	The zooming scale changes
29. Jump ( / )	Forward or rewind jump
30. REC ()	Start recording channels.
31. FR ()	Fast rewind

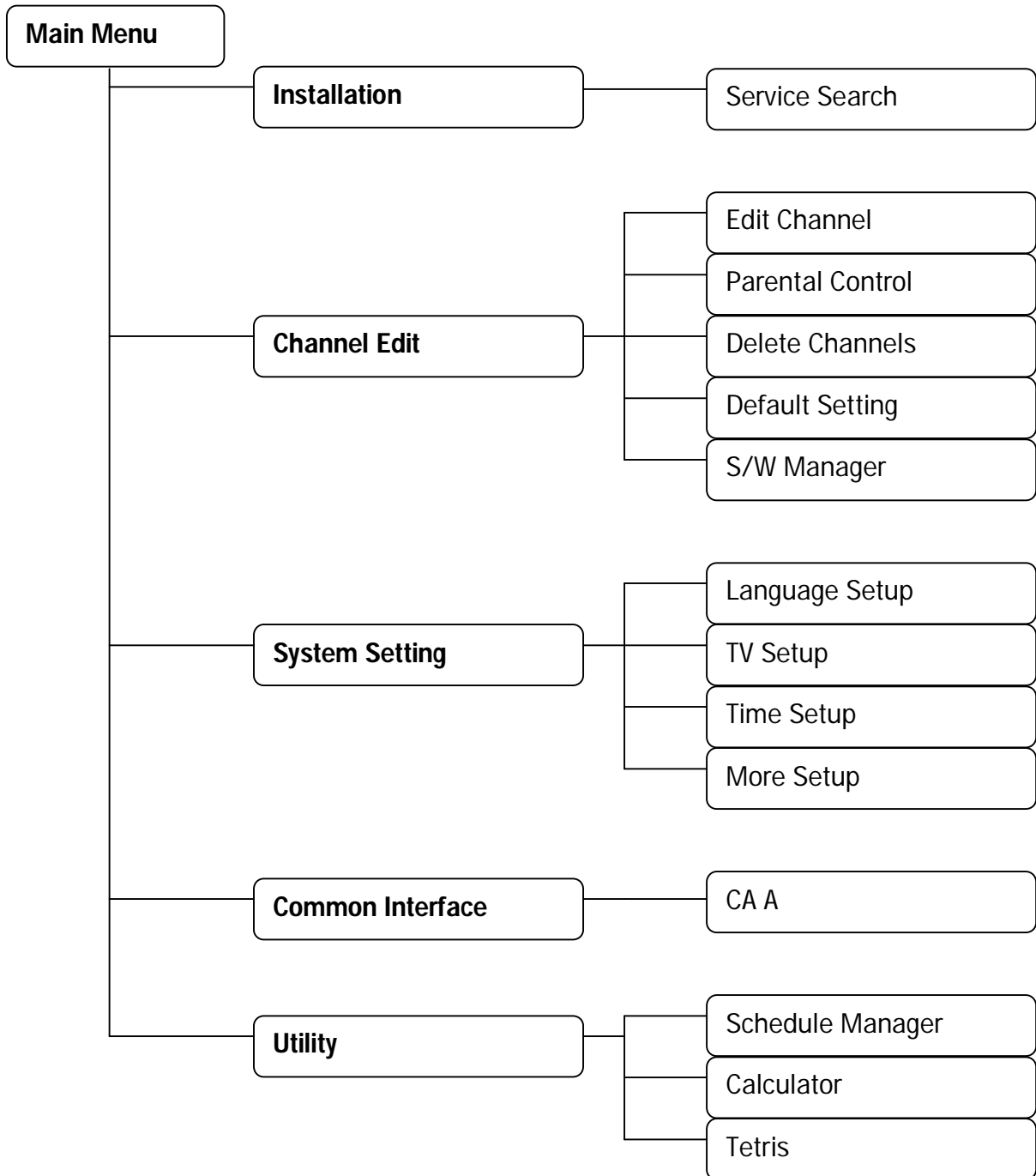
32. Play ()	Start play
33. FF ()	Fast forward
34. Time Shift ()	Start Time shift function
35. Stop ()	Stop play or recording function
36. Slow ( / )	Forward or Rewind Slow function

3. Menu Tree

3.1 Menu Structure

Menu tree shows overall operation structure for a set top box.





3.2 Language Selection



- ▶ When plug in the receiver or the default setting is done, the language selection menu display on the TV screen.
- ▶ Select language options by using the ▲/▼ button and press **OK** button to change to the selected language.

3.3 Installation

A) Service Search




- ▶ This menu is to search current service channel.
- ▶ Search Mode : Select auto or manual.
 - AUTO : Select the range of frequency (Partial or all) for search..
 - Manual : Search single frequency.
- ▶ Frequency : Enter the Frequency you want to find by using ◀/▶,▲/▼ buttons or Numeric buttons.
- ▶ Symbol rate : Enter the symbol rate of the Frequency you want to find by using ◀/▶,▲/▼ buttons or Numeric buttons.
- ▶ Network ID : Enter the Network ID you wan to find by using ◀/▶ buttons or Numeric buttons.
- ▶ QAM Mode : The selection of QAM modulation in the frequency.(16/32/64/128/256QAM)

3.4 Channel Edit

A) Edit Channel



- ▶ This menu is protected by Password to prohibit unauthorized information and this can be modified in the Parental Control.
- ▶ This channel list menu helps you to select the channels to various function for delete, edit, sort, move or add to FAV.
- ▶ Press channel with the Mosaic () button for selection and multiple channel edit can be done..
- ▶ Editing
 - RED button : To delete the channels.
 - GREEN button : To lock, Skip, Rename the channel.
 - BLUE button : To move to the new location.
 - WHITE button : To move to the Favorite lists.



- ▶ Sorting
 - YELLOW button: To display the sub menu for sorting.
 - If you press the **OK** button, the current changing status will be saved.

B) Parental Control

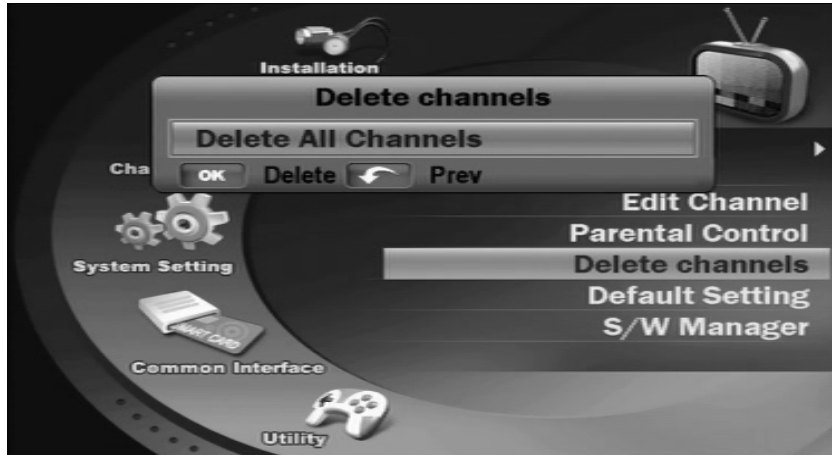


- ▶ This menu is protected by Password to prohibit unauthorized information and this can be modified in the Parental Control.
- ▶ System Lock
 - Lock the receiver, select system lock 'On' by pressing the ◀/▶ button.
- ▶ Menu Lock
 - Lock the Main Menu, select 'On' by pressing the ◀/▶ button.
- ▶ Installation Lock
 - Lock the Installation Menu, select lock 'On' by pressing the ◀/▶ button.



- ▶ Change Pin Code
 - The default pin code is '0000'.
 - To change the new Pin code, select mode either Normal or Adult Channels by pressing the ◀/▶ buttons with 'OK' button. You can enter the pin code by pressing the numeric button.
- ▶ Adult Channels
 - Select 'On', To move to the adult channel folder in the favorite list.

C) Delete Channels

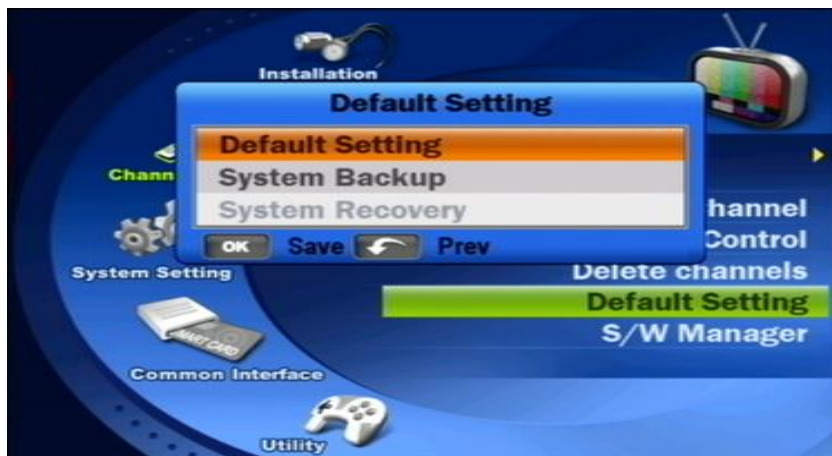


- ▶ This menu is protected by Password to prohibit unauthorized information and this can be modified in the Parental Control.

- ▶ This menu is to delete all channels.

NOTE: The deleted channel cannot be recovered unless you search it again

D) Default Setting



- ▶ This menu is protected by Password to prohibit unauthorized information and this can be modified in the Parental Control.
- ▶ If you want to bring the set top box back to the factory defaults condition, this function can be used.
- ▶ You can delete all data by this function, changing the setting as default value by pressing the default setting.
- ▶ If you want to save your channel list before doing the factory default, press the System Backup.
- ▶ You can also restore the channels by selecting System Recovery even after default setting.

E) S/W Manager

E. 1) Channel Data Transfer



- ▶ This menu is protected by Password to prohibit unauthorized information and this can be modified in the Parental Control.
- ▶ Select the way of channel data transfer either USB or RS232C by pressing the ◀/▶ buttons.
- ▶ For the selection of USB in the Channel Data Transfer, choose either USB Write or USB Read by pressing the ◀/▶ buttons after insertion of USB stick in the rear panel.
 - To save your channel data into USB memory, select the USB Write mode.
 - To write your channel data of USB memory into Set Top Box, select the USB Read mode.

E. 2) System Update



- ▶ The set top box will upgrade with updated version of software with the mode of USB, PC to STB, STB to STB by pressing the ◀/▶ buttons after inclusion of USB stick in the rear panel.
 - To press the OK button to upgrade, please do not disconnect the USB stick in the process of upgrading.

3.5 System Setting

A) Language Setup



- ▶ Choose the language options by pressing the ◀/▶/▲/▼ buttons.
- ▶ Press the **OK** button to change the selected language in the Menu, Audio, Subtitle.

B) TV Setup



- ▶ The setting for audio and video output can be changed in this menu by pressing the ◀/▶/▲/▼ buttons with the **OK** button to change the selected options.
- ▶ SCART : Select your TV type by pressing the ◀/▶ button. And if you select RGB, the component & HDMI output will be disabled.
- ▶ Aspect Ratio : Select the screen format of your TV.
- ▶ Display Format : Select the TV Display Format.
- ▶ Digital Audio : If you set it to enable mode, you can listen to Dolby-digital audio through AC-3 decoder.
- ▶ Resolution : Select the correct TV resolution (1080i, 720p, 576p, 480p, 576i, 480i)
- ▶ DVB Subtitle : Select output from DVB subtitle for TV.

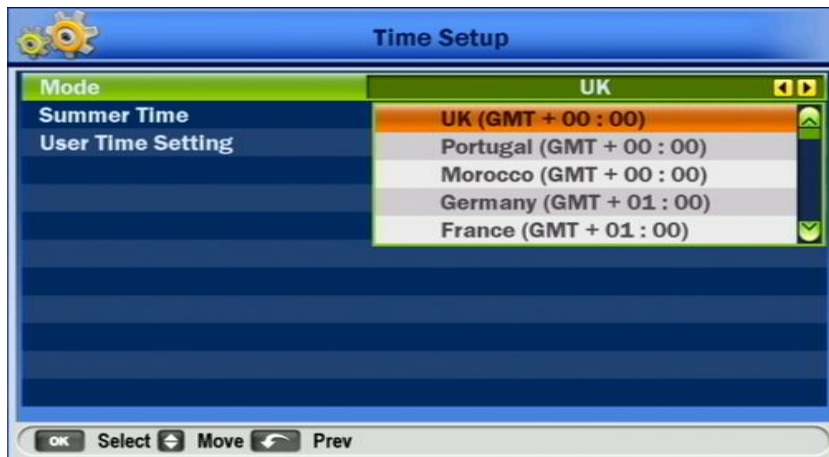
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► Color Adjust

- This function can help you to adjust colors in the pictures.
- Select the Color Adjustment and press "OK" button.
- You can select the mode which have options for Default, Sports, Movie, Cartoon, Manual.
- The adjustment can be done with Tint, Saturation, Brightness, Contrast.

C) Time Setup



- Time Offset: Select your located Time Zone, which will be automatically set with current time from current view channel.
- Summer Time : It enable summer time options.
- User Time Setting : Manual setting of time can be done.



D) More Setup

- ▶ This function can help you to set other system with proper parameters .
- ▶ Banner display time : Banner will disappear after setting time passed for 2,4,6,8 Sec.
- ▶ Transparency : You can set the OSD transparency level.
- ▶ Radio Screen : You can set iOni or iOffi .
- ▶ VFD Brightness : You can set the VFD Brightness level .
- ▶ VFD Slide : You can set iOni or iOffi .
- ▶ VFD Display : Choose from displaying iCH name onlyi , iCH Number+ Namei and iTimei .
- ▶ System Information : This display the information for current software status.
- ▶ Standby Search Mode : This is to scan the channels in standby mode.
- ▶ Logical Channel Number : ,This is to show the unique channel number in scanning.

3.6 Conditional Access



- ▶ CA Slot This STB supports Conditional Access System, which is depend on the service provider.

3.7 Utility





- ▶ In this menu, press ◀/▶ ▲/▼ button to navigate and enjoy the use of Schedule manager, Calculator and game Tetris.

4. USB PVR



4.1 Recording Mode



- ▶ This function is available with the connection of external USB memory and you can manage the recorded files. In the process of recording in this function, it's not allowed to switch the channels.
- ▶ Press the REC () button on the remote control unit to record the current channels by displaying record icon.
- ▶ The 2 hours is set as default recording time and to extend the duration of recording, press REC () button one more time, the pop up menu for recording duration display, which can be adjusted by pressing the ◀/▶ button or numeric buttons.
- ▶ The 2 channel in the same TP can be recorded simultaneously.
- ▶ When channels are in the same TP, the channel changes can be done.



4.2 Time Shift Mode



- ▶ Press the Time shift () button in selected channels .
- ▶ The 30 minutes is originally set as defaults Time shift time and start the play of recording in the Time shift mode, press the Play () button.

4.3 Recorded File



- ▶ You can select folder and list of the recorded files which you want to manage by pressing the USB button.
- ▶ Select file by pressing the ▲/▼ button and choose either the **OK** buttons or Mosaic () buttons for selection.
- ▶ To watch the selected file, press the Play () button.










- ▶ To edit the selected file, press the Green button for adjustment.

4.4 Trick Mode



This function can be done in playing the recording file.

- ▶ Fast Forward Press the Fast Forward () button in which playing speed can be changed to 2, 4, 8 times.
- ▶ Fast Rewind Press the Fast rewind () button in which playing speed can be changed to 2, 4, 8 times.
- ▶ Jump Press the Jump ( / ) button to jump forward and backward.
- ▶ Slow Press the Slow ( / ) button in which playing speed can be changed to 1/2, 1/4, 1/8 times.
- ▶ Pause Press the Pause () buttons to pause the playback file and press it again and star playback again.

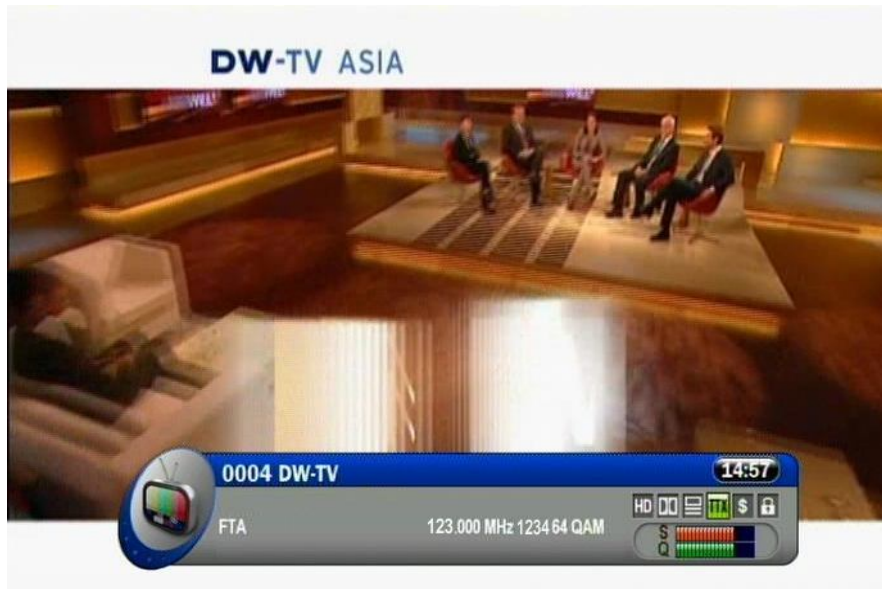


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► **Bookmark** If you missed an event in your recording file, you can retrieve it here and the maximum number of bookmark in one file is 19.

-
- Press the **ji** button twice and then you can see Bookmark symbol.
- To press the red button, the red triangle cursor will be placed at that position.
- To press green button, the bookmarked position is deleted.
- To press the Page up (**▲**) button, it'll jump to the next bookmarked position.
- To press the Page down (**▼**) button, it'll jump to the pre-bookmarked position.
- The maximum number of the bookmark is 19 in a file

5. VIEWING GENERAL INFORMATION



5.1 Banner Information

► You can enjoy the scanned channels after channel search is finished and you can manage several functions with banner information bar.

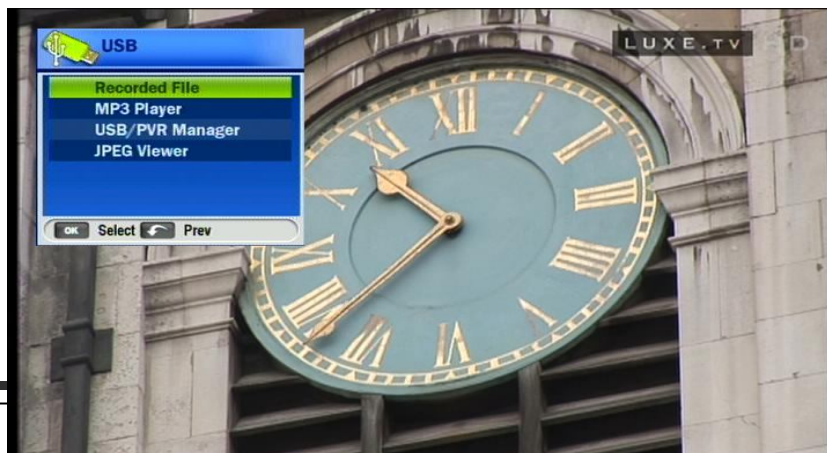
► This information appears for a while as setting and disappear whenever you switch the channels.

► The banner information window also appears in case

when you press the Info (**i**) button, and if pressing more time, the detailed information will display program information with various icons and functions as followings.

- Channel number and name, Current Time.
- Provider name for current channel.
- EPG for current and next program if available.
- Signal level & quality.
- Frequency and symbol rate.

5.2 USB OPERATION



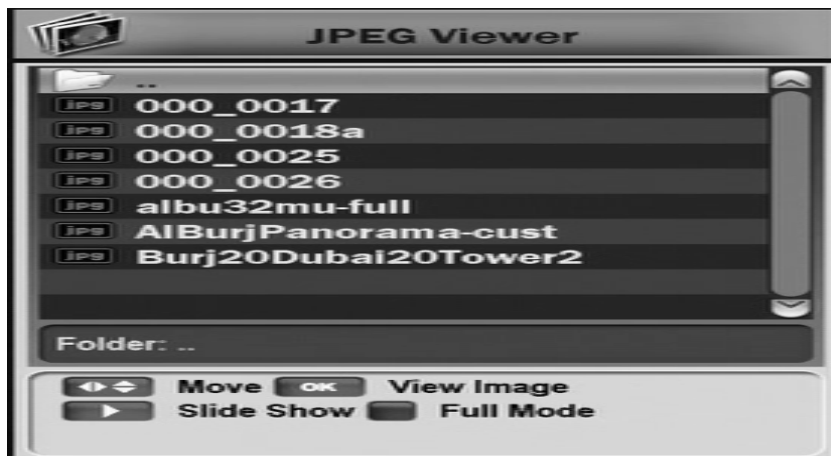
- ▶ You can connect USB memory stick or external HDD device in the rear panel.
- ▶ Press USB button, the pop up menu display for Recorded File, MP3 Player, USB/PVR Manager, JPEG Viewer.



- ▶ Audio file for MP3 player can also play from external HDD memory device.



- ▶ USB/PVR Manager
 - You can identify the status of external HDD memory by pressing the **OK** button in the **HDD Information**.
 - Format for USB memory driver can be done with FAT32 file system in the **Format HDD**.
 - To remove external HDD memory device safely, press the **OK** button in the **Remove Device Safely**.
 - **Live Rewind** : The function of timeshift for 5 Min to 30 Min without pressing timeshift button can be done when it's connected with external USB HDD.
 - ? To view the channels in Live Rewind, press Fast rewind (**⏮**) button or Fast Forward (**⏭**) button.
 - ? To press Stop button when in the timeshift mode, then it will be into the Live mode.



► JPEG Viewer JPEG File can display from external HDD memory device by pressing the ▲/▼ buttons with ;OK; buttons. In selecting the Play (▶) button, you can see the JPEG files in slide show and pressing the Yellow button, the picture can be rotated.

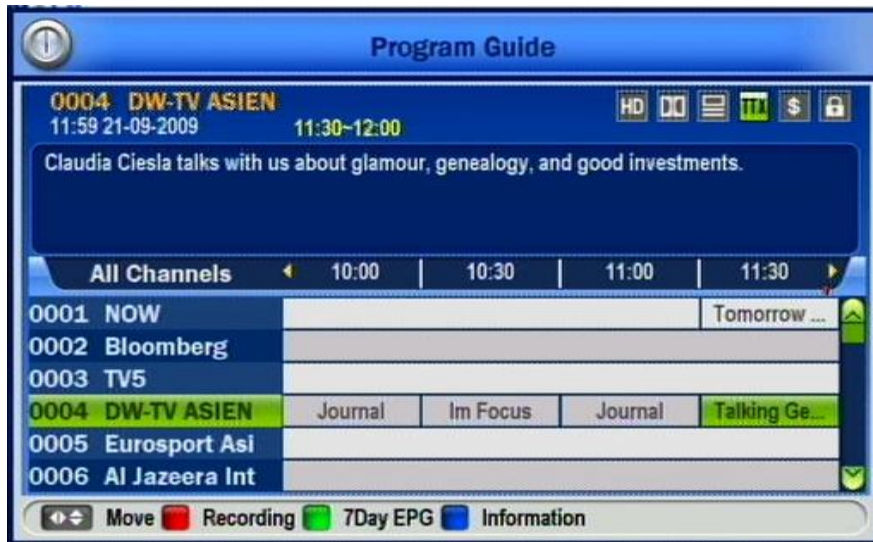
5.3 Timer Mode



- To display the Event Setting menu, press the ;Timer; button .
- The Numeric buttons and the ◀/▶ buttons are used to set date, time and the event mode.

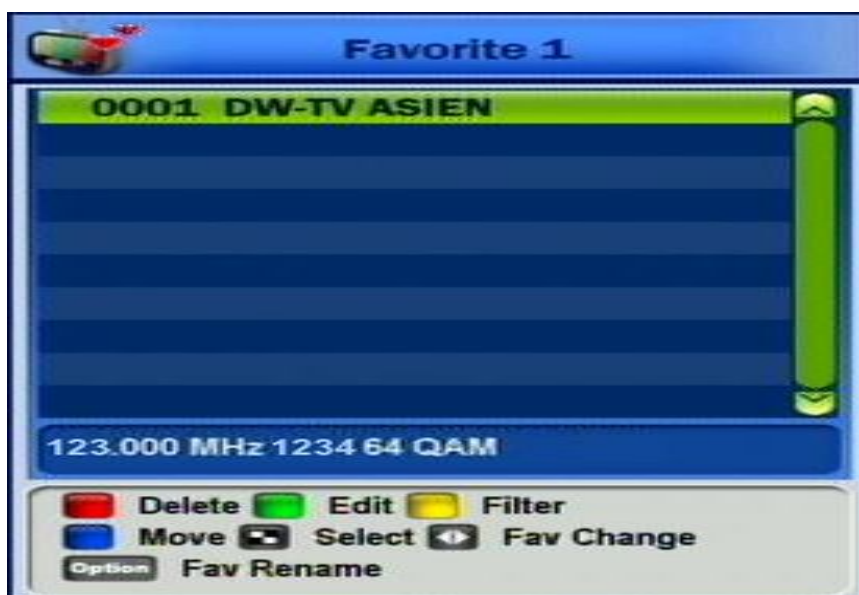


5.4 EPG (Electronic Program Guide)



- ▶ This EPG feature will give you information about the actual program of certain channels in which it will depend on the service of the channel provider.
- ▶ The electronic channel program guide information can be enjoyed in the EPG menu by pressing the EPG button if applicable.
- ▶ Time intervals are arranged in a row and channel lists are shown in a column.
- ▶ Press the ◀/▶ buttons to change time interval.
- ▶ Press the Green button to display the 7 days EPG information.
- ▶ Press the Red button to display the Event Setting.

5.5 Channel Category





► You can select the favorite lists by pressing the **Fav.** Button and repeat operation on the **◀/▶** button, which will change to the next favorite lists if available.

► To rename a favorite list, press the **OPTION** button.

5.6 Zoom Mode



► This function is to enjoy the program with the selection of user's options.

► Press the **Zoom** () button and **Blue** button simultaneously or **Zoom** () button alone with repeated operation to change Zoom status into 2, 4, 8, 16 times.

5.7 Mosaic Mode

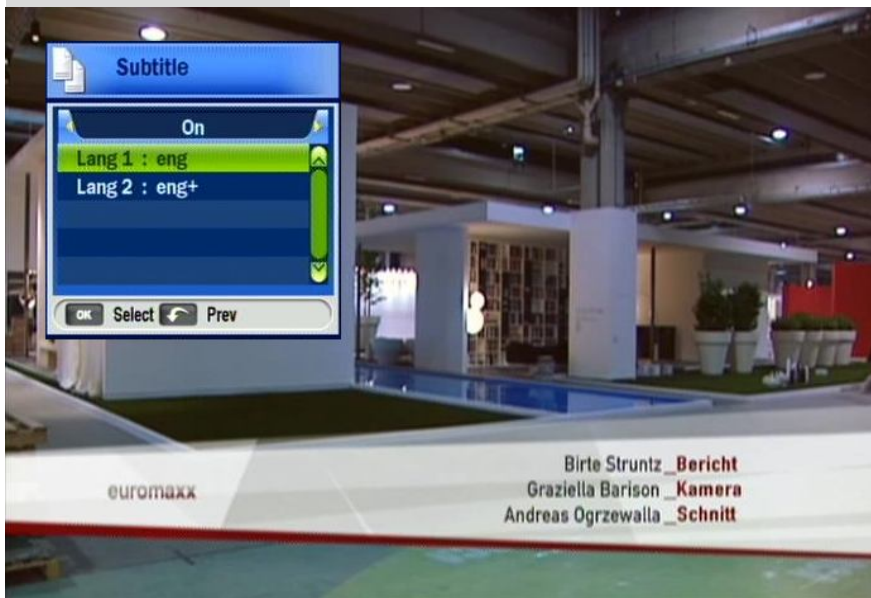


► This function can be viewed with selections of 4 or 9 or 16 channels with 1 live screen channel.



► Select the Info () button, this will update to the next channels.

5.8 Subtitle Mode



► Press the Subt.(GREEN) button and set ;ON or OFF; by pressing the ◀/▶ button.

► The subtitle languages can be selected by pressing the ▲/▼ button.



Note : This function can support DVB subtitle menu including the TTX, Subtitle .
When DVB subtitle is displayed in English version, its shows the `eng` while
TTX,Subtitle only indicate the `eng`.
The difference in display of DVB subtitle is to add `eng` on the applicable languages.

5.9 Teletext Mode



- ▶ Select the `TTX` button to open the Teletext page. This service is depending on the support of the channel provider.
- ▶ If the channel does not support teletext information, it will show on the screen `No Teletext`.

5.10 Radio Channel



- ▶ To listen to the radio, press the TV/Radio button on the Remote Control Unit.
- ▶ To return to TV viewing, press the TV/Radio button one more time.

5.11 Audio Mode



- ▶ A certain channels provide the multiple audio data for your selections.
- ▶ Press the audio (RED) button and audio selection window pops up.
- ▶ Select the ◀/▶ button for selection of the output direction for Stereo, Left, Right, Dolby digital.
- ▶ Language can be adjusted by pressing the ▲/▼ button.

5.12 Find Mode



- ▶ This function support you to find the channel easily for the convenience.
- ▶ This function can be shown with related channels only by pressing the initial letter with the ▲/▼ or ◀/▶ buttons.

5.13 Last Channel



- ▶ This set top box remembers the last 6 channels.
- ▶ Press the 'Last' (YELLOW) button to display last 6 channels viewed in which you can select one of the channels displayed using ▲/▼ buttons.

5.14 Sleep Mode



- ▶ Select the **Sleep** button to set the time by pressing the **◀/▶** button with selection time indicated in the pop up window.

6. Additional Information

6.1 Troubleshooting

There may be various reasons behind the set top box problem for the abnormal operation. If the set top box does not properly work, check it according to the procedure described in the following table.

Symptom	Remedy
The front panel in problem with No VFD displaying.	Check the power cable is properly plugged into the power outlet. Check the output of the set top box to TV properly.
The remote controller unit is not working.	Check whether the batteries are exhausted in the remote controller unit inside.. Replace the batteries with new one.
No picture or sound	Check the set top box is switched on. Check the signal to the receiver properly. Check connections with HDMI or RCA or Scart, YpbPr to the receiver. Check whether it's standby mode.
Poor picture quality	Check the signal and quality level. Check the connection of your signal.
Picture is good but no sound	Check the volume and connection to TV.
Forgotten your PIN code	Contact with your local dealer.

6.2 Technical Specifications

Tuner & Demodulator	Frequency Range	51MHz ~ 858MHz
	Input Signal Level	-13dBmV ~ 15dBmV
	Channel Bandwidth	8MHz
	Constellation	16, 32, 64, 128, 256QAM
	Input Symbol Rate	1.5 ~ 7Ms/s
MPEG Decoder	MPEG Video	MPEG2 MP@HL, MPEG4 AVC/H.264 HP@L4
	MPEG Audio	MPEG/MusiCam Layer I & II
	Resolution	Max.1920x1080i
	Aspect Ratio	4:3, 16:9,
	Audio Mode	Mono, Stereo
	Sampling Frequency	32, 44.1, 48KHz
Data interface	RS232C	9 Pin D-male Type, Max 115200bps
	USB	USB 2.0 HOST
Conditional Access Interface	Smart Card	1Smart Card Interface
Connector	LNB Input/Output	IEC 169-2, Female
	HDMI Connector	HDMI version1.2a
	TV Scart	CVBS, RGB, S-Video out, Audio L,R out
	VCR Scart	CVBS in/out, RGB in, Audio L,R in/out
	Cinch video Connector	Y(green),Pb(blue),Pr(red),CVBS(yellow)
	Cinch audio Connector	LEFT(white),RIGHT(red),
	Opical output	Digital Audio out
	RS232 Serial Port	9 Pin D-male Type
	Power Cord	UK Flexible Cord (Inlet type)
Power supply	Supply voltage	AC 95 ~ 250V
	Supply frequency	50Hz ~ 60Hz
	Type	SMPS
	Power Consumption	Max 30 Watts
Physical Specification	Dimension	300 mm
	Weight	2.7 Kg
	Operation Temperature	0 ~ 40 Deg.
	Storage Temperature	-10 ~ 70 Deg.