DIGITAL TERRESTRIAL RECEIVER TV STAR T7200 CX HD



USER MANUAL

ENG

CONTENTS

Important Safety Instructions 3
About manual 3
Accessories 4
Front and Rear Panel 4
Remote Control 5
Connecting to a Television 6
Connecting to an Audio System 7
First time Installation 7
View Favourite Channel 8
Delete a TV or Radio Program 8
Time Setting 11
System Setting 11
USB 12
Troubleshooting 14
Technical Specifications 15

Important Safety Instructions

About manual

This manual covers general functional features of your decoder (signal converter). All initial information is provided in this document. Prior operation, please, ensure that your decoder is properly installed. After, using a remote control please perform indications, provided in this manual. Since you will familiarize with the remote control and analyse features of decoder, this manual will be useful as a source of references.

Manufacturer reserves a right to modify construction of a hub and user's menu without prior notification.

About your hub

DVB-T hub of high resolution can accept digital over-ground channels, compressed under HD MPEG4 (H.264) and MPERG-2 standards. Enjoy broadcastings of high DVB-T video quality. Device has decoding card-reader, allowing decoding programmes, encoded by "Conax".

Security

- Prior use of this hub, please read this manual carefully.
- Only horizontal hub position is allowed, do not place in a shelf (book-shelf, etc.).
- In case of thunder, a hub must be switched off. Keep away from direct sunlight. Do not place any vases with liquids.
- Prior connecting antenna or any other connecting cables, please disconnect a hub from power source.
- In case you leave home or not using a hub for prolonged period or thunder is forecasted, please, disconnect power adapter from power source.
- Technical maintenance is to be performed only if a hub is completely disconnected from a power source.
- In order to ensure proper venting, the distance around a hub should be at least 5 cm.
- Do not place any objects of open fire (candles, etc.).
- Keep a hub away from the places, where water is splashing or dripping; do not place any objects with liquids near.
- A hub is to be used inside only, ambient temperature $+5 \div +40\ ^{o}C$.
- Complete disconnection of a hub is achieved by mean of adapter plug. Hub is disconnected if an adapter is unplugged from power source. Alternative disconnection is performed unplugging an alternative dipolar automatic device of disconnection and protection.
- In case power plug or electricity connection is used as a disconnection device, the access to it must be without obstructions.
- In case no light is on, a hub is disconnected from power source.
- Furthermore, electricity installation of premises must include disconnection device, which has to be used to disconnect a hub from power source completely, in case of technical maintenance.
- Adapter should be used for hub power (included in a package).
- A hub is to be used under normal climate conditions.

Accessories



AAA battery



Power adapter



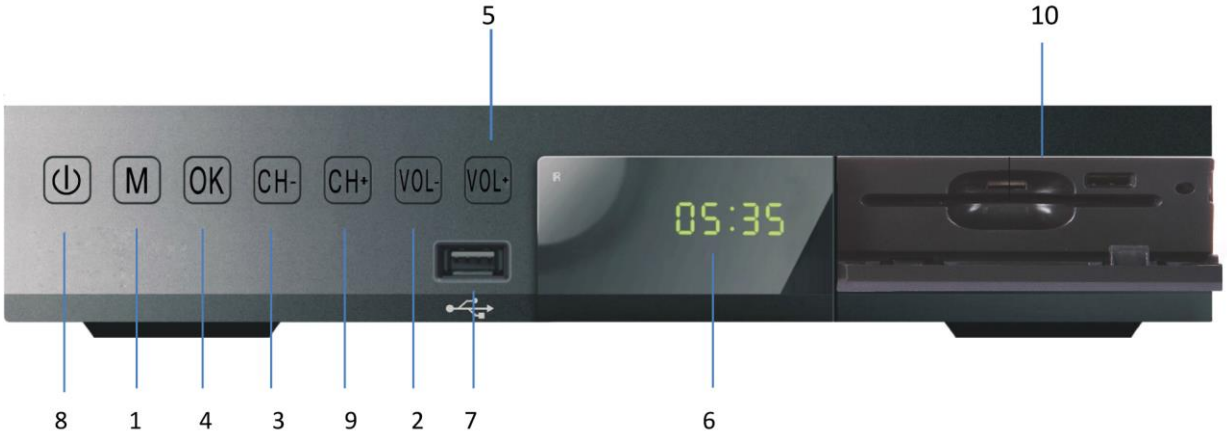
Remote Control



User Manual

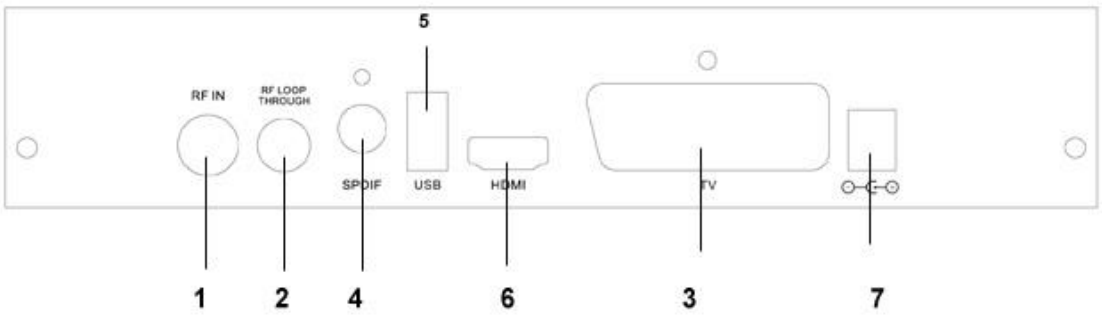
Front and Rear Panel

1.Front panel



1. **MENU:** To enter into the main menu and exit all menus
2. **VOL-:** Decrease the volume of sound
3. **CH-:** Change channels or items from top to bottom on the menus
4. **OK:** Press to proceed of confirmation
5. **VOL+:** Increase the volume of sound
6. **LED SCREEN:** information panel
7. **USB:** For software upgrade and media playback
8. **POWER:** Allows to completely switch off the receiver
9. **CH+:** Change channels or items from top to bottom on the menus
10. **CARD SLOT:** Decode the smart card (You can select open or close the door)

2. Rear panel



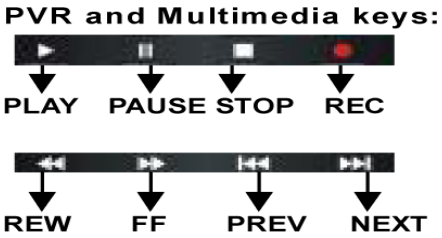
1. **RF IN:** Use to connect an antenna.
2. **RF LOOP THROUGH:** Use it when connecting to another STB
3. **TV SCART:** Use this connector to connect your receiver with your TV set using a SCART cable
4. **SPDIF:** Digital audio output
5. **USB:** For software upgrade and media playback
6. **HDMI:** High definition multimedia interface
7. **DC12:** power cable coupler

Remote Control



POWER: Switch the receiver in and out of standby model.
MUTE: Disable Audio output
<0>-<9>: Numeric keys.
CH-/CH+: Program changing keys.
MENU: Display main menu on TV screen, and press again to exit current menu.
OK: To confirm current setting, or display all programs in no-menu mode.
VOL-/VOL+: Turns up/down volume.
▲▼►◄: Press to move the cursor.
EPG: Shows the Electronic Program Guide.
FAV: Display your favorite channels list. Press FAV again to access to the other favorite lists.
V-FORMAT: Switch the HDMI 720P and 1080P.
RECALL: Go back to the previous viewed channel.
Red/green/yellow/blue: Use to navigate between pages in teletext mode and special functions in menu or EPG
PVR: Use to access recorded current in USB drive
ASPECT: Switch 4:3/16:9.
TTX: Switch on Teletext, if current channel has this option ,and use EXIT key to quit Teletext
SUBTITLE: Display subtitle options (availability depends on the channel)
LANG: Change the Audio language and Left/Right channel (availability depends on the channel)
TIMESHIFT: Use after RECORD button for timeshift
EXIT: Use this key to quit current menu.
INFO: Display information about the current channel.

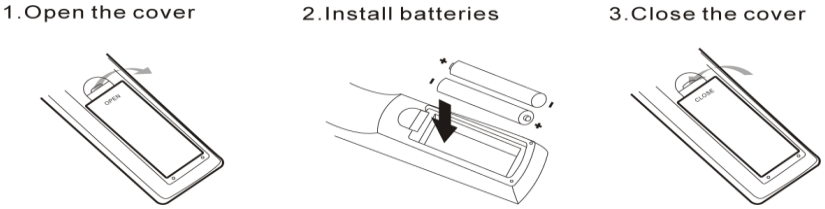
TV/RADIO: Switch between Digital Radio and DVB-T modes.
PAGE+/PAGE-: To navigate inside the menus.
TIMER: Use to access ON/OFF timer directly.



PVR and Multimedia keys

Installation the Batteries

Insert the batteries while observing the correct (+) and (-) polarities as illustrated below:



About the batteries

- If the remote control unit fails to work even when it is operated near the LCD TV / monitor, please replace the batteries.
- Use size UM-4 (AAA) batteries.

Notes:

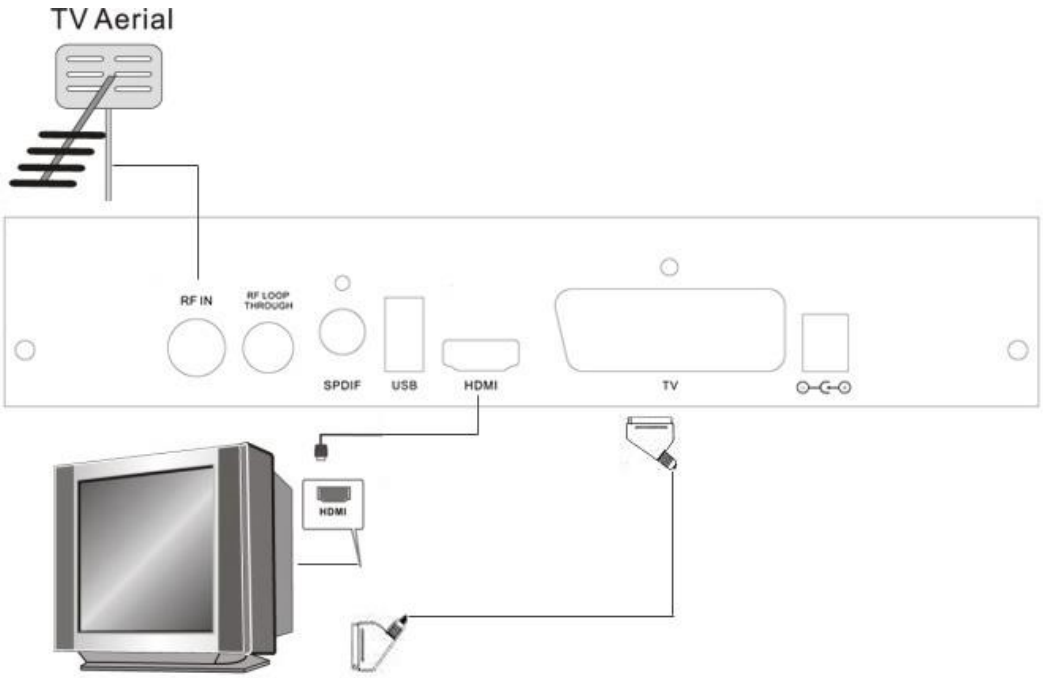
- Do not use rechargeable (Ni-Cd) batteries.
- Does not attempt to recharge, short circuit, disassemble heat or throw the batteries into the fire.
- Do not drop, step on or cause any impact to the remote control unit. This may damage it, resulting malfunction.
- Do not mix old and new batteries.
- If the remote control unit is not going to be used for a long time, remove the batteries.

Caution

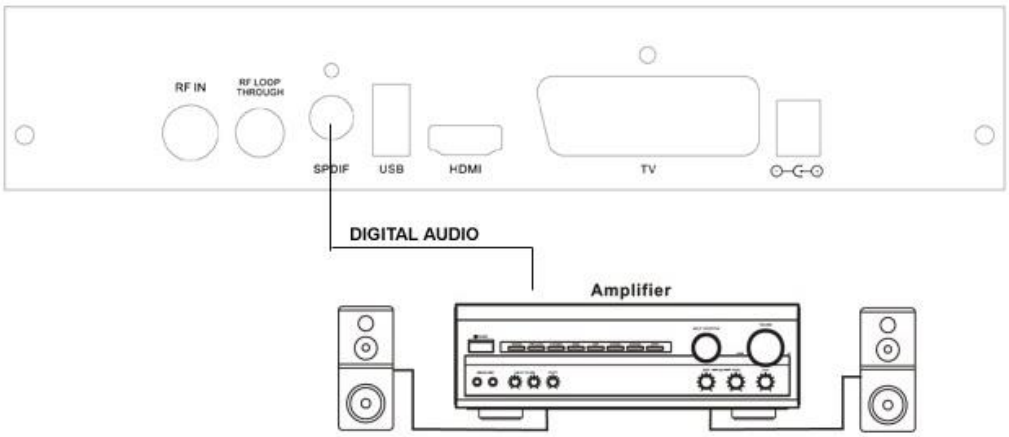
Keep batteries out of children's reach. If batteries are swallowed, contact a physician immediately.

Connecting to a Television

For a basic connection from your Set Top Box to the television, use the Composite connection outlined below.
For a higher quality connection, use the Component Video connection outlined below combined with the Composite Audio Connection.
For the highest quality connection use a direct HDMI connection, see below.



Connecting to an Audio System



First time Installation

After all connections have been made properly,switch on TV and make sure the unit is connected to the main Power.Press power button to switch the unit on.
If you are using the unit first time or have restored the unit to Factory Default,the Installation Guide Menu will appear on you TV screen.



OSD Language : Press RIGHT/LEFT key to select a language
Country: Press RIGHT/LEFT key to select your country of residence

Channel Search: Press RIGHT or OK key to begin Automatic channel search
Once channel tuning is complete ,you can star watching TV programs.

Basic Operation

Program Manage Settings



To access the Menu,press the MENU button and select [Program].Use the RIGHT/LEFT keys to navigate through the menu.The Menu provide options to adjust the Program Mangage Settings.Select an option and press OK or RIGHT to adjust that setting.Press the EXIT button to exit the Menu.
(a) Program Edit
To edit your program prederences (lock/skip/favourite/move or delete),you will need to enter the Program Edit Menu.This Menu requires a password to access.Enter the default password'0000'. The master unlock password is '8888'

Set Favourite Channels
You can create a shortlist of favourite programs that you can easily access. Set Favourite TV or Radio program:



1. Select your desired channel then press the FAVOURITE button. A heart-shaped symbol will appear and the is marked as a favourite.
2. Repeat the previous step to select more Favourite channels.
3. To confirm and exit the Menu, press the EXIT key.

Disable Favourite TV or Radio Channel:
Select the Favorite channel and press Favorite button on the remote control to cancel.

View Favourite Channel
While in normal viewing mode, press Favourite button and the Favourite Menu will appear.

1. Press UP/DOWN to browse through your Favourite Channels
2. Press OK to select your favourite channel.

Delete a TV or Radio Program

1. Select the Program and then press the BLUE button.

Awarning message will appear. Press OK to delete the channel.

2. Repeat the previous step to select more channels to delete.

Skip TV or Radio Channel

1. Select the chennel you would like to skip and press the GREEN button.

A skip symbol is displayed. The channel is marked as a skip.

2. Repeat the previous step skip to more channels.
3. To save your settings and exit the menu, press EXIT key.

Disable the Skip Channel function:
Select the Skip channel and press the GREEN button on the remote control to cancel.

Move a TV or Radio Program

1. Select the preferred channel then press the RED button. A move symbol will appear.
2. Press UP/DOWN to move the channel.
3. Press OK to confirm.
4. Repeat the above steps to move more channels

Lock Program

You can lock selected programs for restricted viewing.
Lock a TV or Radio channel:

1. Select the preferred channel then press the YELLOW button. A lock-shaped symbol is displayed. The channel is now marked as locked.
2. Repeat the previous step to select more channels.
3. To confirm your settings and exit the menu, press the EXIT button.
4. Press the YELLOW button to disable the locked channels function.
5. To view the locked channels, you will be required to enter either the default password '0000' or your last set password. The master unlock password is '8888'.

(b) EPG (Electronic Program Guide)

The EPG is an on-sreen TV guide that shows sheduled programs seven days on advance for every tuned channel. Press the EPG button on the Remote Control to access the guide.



You can use the UP/DOWN key to select the preferred program. If there is more than one page of information, use the BLUE button for page up and the YELLOW button for page down.

Press “OK” button to schedule a recording as long as you have connected a USB device to the unit. You can check the schedule menu that appears and then press “OK” to register scheduled recording. During recording you can only use Volume and Stop keys of the remote control!

You can start a non scheduled recording any time by pressing REC button, as long as you have already connected a USB device to the unit

(c) Sort

Sort you channels from the following options:
[By LCN] sort the channels in ascending order
[By Service Name] Sort the channels in alphabetical order
[By Service ID] Sort the channels according to the station
[By ONID] Sort the channels accroding to ONID

(d) LCN (Logical channel number)

Set LCN on or OFF if you want to sort the channels manually.

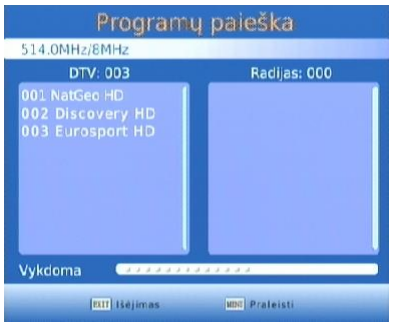
Picture Setting

To access the Menu,Press MENU then select [Picture] using the RIGHT/LEFT key .The Menu provides options to adjust the video settings.Press UP/DOWN to select an option and press RIGHT/LEFT to adjust that setting.Press EXIT to exit the menu.

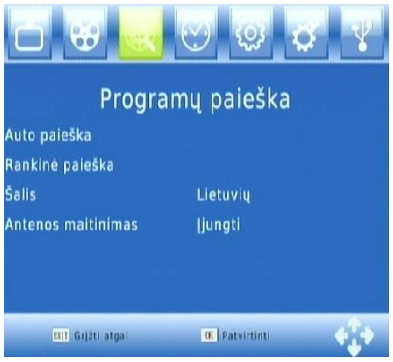


(a) Resolution
You can change this setting if the picture resoltion dose not apper to be correct. This setting is to match the most common setting for HDMI.
[480P] for NTSC TV system
[576P] for PAL TV system
[720P] for NTSC or PAL TV system
[1080P] for NTSC or PAL TV system

(b) TV Format
If the picture dose not appear to be cerrect you can change this setting. This should match the most common setting for TVs in your country.
[NTSC]: for NTSC system TV.
[PAL]: for PAL system TV



Channel Search
To access the Menu, Press MENU then select [Search Channel] using the RIGHT/LEFT key. The Menu provides options to adjust the Search Channel settings. Press UP/DOWN to select an option and press RIGHT/LEFT to adjust the setting. Press EXIT to exit the Menu.



(a) Auto Search
This option will automatically search for channels and save them once the scanning is complete. All previously saved channels and settings will be deleted.

1. Select (Auto Search) and press OK or RIGHT to star channel search.
2. To cancel channel search, press EXIT .**Any channels that have been found will be saved.**

(b) Manual Search
This option allows you to scan for new channels without deleting previously saved channel and settings.



Select (Manual Search) then press OK or RIGHT. The channel search screen will appear.
Press the RIGHT/LEFT key to select the channel frequency
Press OK to start searching channels.
If a channel is found, it is saved and added to the channels list.If channels can not be found during searching ,the unit will exit automatically.

(c) Country
Select your country of residence.

(d) Antenna Power
Enable Antenna Power if an external active antenna is connected.

Time Setting

To access the Menu, Press MENU then select [Time] using the RIGHT/LEFT key .The Menu provides options to adjust the time settings.Press UP/DOWN to select an option and press RIGHT/LEFT to adjust the setting. Press EXIT to exit the Menu.



(a) Time offset

Select auto or manual for GMToffset adjustments.

(b) Country Region

Select the Country Region when [Time Offset] is set to Auto.

(c) Time Zone

Select the Time Zone Offset when [Time Offset] is set to Manual.

Option

To access the Menu, Press MENU then select [Option] using the RIGHT/LEFT key .The Menu provides options to adjust the OSD Language,Subtitle Language and Audio Language. Select an option and press RIGHT/LEFT to adjust the setting. Press EXIT to exit the Menu.



(a) OSD (On Screen Display) Language

Select an OSD language.

(b) Subtitle Language

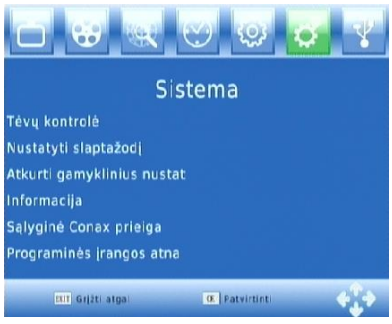
Select the preferred subtitle language.

(c) Audio Language

Select the preferred audio language for watching TV channels.
If the language is not available, the default program language will be used.

System Setting

To access the Menu, Press MENU then select [System] using the RIGHT/LEFT key .The Menu provides options to adjust the system settings.
Press UP/DOWN to select an option and press RIGHT/LEFT to adjust the setting. Press EXIT to exit the Menu.



(a) Set Password

Set or change the password for locked programs. Enter your old password nor the default password ’0000’. You will then be asked to enter your new password. Press OK button to confirm your new password.
Once it is confirmed, press EXIT to exit the Menu. The master unlock password is ‘8888’’.

(b) Restore Factory Default

Reset you STB to the Default Factory Settings.
In Main Menu select [Restore Factory Default] using the RIGHT/LEFT keys and press OK or RIGHT to select. Enter your password or the default password ‘0000’ and press OK to confirm.

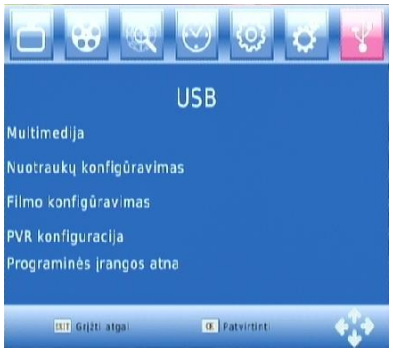


This option will delete all preset channels and settings. The master unlock password is ‘8888’

(c) Information
View model, hardware and software information

(d) Start Time
This is the time that the unit will scan for software updates

Conax CA System
This feature allows the user to view conditional access (Conax encryption system), the CA information.
1st ← / → key to move the cursor to the CA system and press the OK button.
Conax card without this type of menu is inactive!
2nd ↑ / ↓ key to select the desired function and press the OK button.

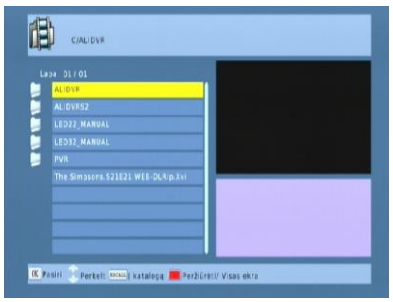


USB
To access the Menu, Press MENU then select [USB] using the RIGHT/LEFT keys. The Menu provides options to playback Music, Photo and Multimedia files .It can support AVI, MP3,WMA,JPEG and BMP formats.
The unit will only support USB device with FAT32 file system.
It will not support NTFS file system.

Multimedia:
When a USB device is attached you can select from the Music, Photo, Movie or PVR options in this menu using the RIGHT/LEFT keys and OK to select. If a USB device is not connected, the warning message ‘no USB device is found’ will appear.

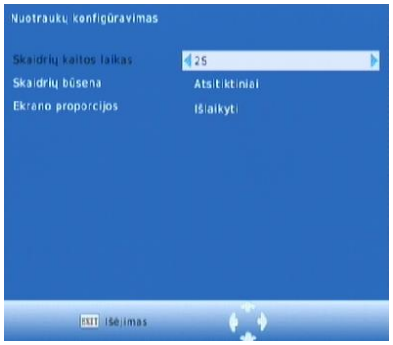


(b) Photo configure:
-Slide Time: adjust slide show interval to 1~8 seconds.
-Slide Mode: adjust slide show effect as mode 0~59 or random.



-Aspect Ratio:
[Keep]: Play picture in its original aspect.
[Discard]: Play picture in full screen mode.

(c) Movie Configure:
- Aspect Ratio:
[Keep]: Play movie in its original aspect.
[Discard]: Play movie in full screen mode.

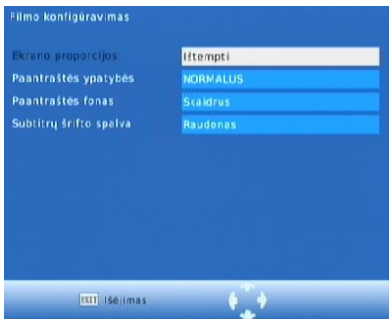


- Subtitle Specific:
[Small]: Displays the subtitle as small mode.
[Normal]: Displays the subtitle as normal mode.
[Big]: Displays the subtitle as big mode.

- Subtitle BG:
[White]: Displays the subtitle in white background.

[Transparent]: Displays the subtitle in transparent background.
[Grey]: Displays the subtitle in grey background.
[Yellowgreen]: Displays the subtitle in yellowgreen background.

- Subtitle Font Color:



[Red]: Displays Subtitle in red font.
[Blue]: Displays Subtitle in blue font.
[Green]: Displays Subtitle in green font.

(d) **USB PVR Configure:**
The most unique feature on your is its ability to record live TV. There is two ways you can go about this the first is to simply connect a USB storage device to your and press the record button on the remote. The other way is to schedule a program to record using the blue button.

To schedule a recording follow the below steps:
Press “timer” button enter into “schedule” menu, then press the red button start to edit.
Highlight the yellow you wish to setting start-time, end-time, channel No.
Press the OK button
Press the EXIT button

The schedule window will be displayed with a number of options. You will be able to select from the following two options:
Mode: View or Record
Once you have made your selections press the enter key to confirm the recording time slot.

If at anytime you wish to delete a Scheduled recording event, you can press the blue button to view the list of scheduled events. Use the arrow keys on the remote to highlight the event you wish to delete then press the blue button to delete it.

The recording files can be deleted on this unit, you can go to the PVR, and press yellow bottun to delete it. The program is recorded to file at. PVR format, which can be played back on this unit and PC using a suitable player, but can not be played back on DVD or PDVD

For recording the high definition TV programs, the version of usb device should be 2.0 or above, otherwise the unit may can not record the hd programs correctly.

When recording to usb stick or external hard disc on this model, you have to wait a few seconds before pushing rec. after inserting the media. Otherwise the unit can freeze in the signal. If that happens, then please take off power and connect again to fix this.

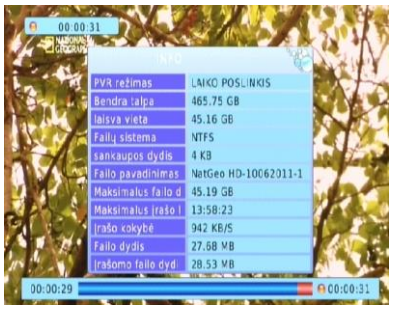
Note:
Scheduled recording only works when the unit power is on,it can not work when the unit is standby.



Note:
- We cannot guarantee compatibility (operation and/or bus power) with all USB mass storage devices and assume no responsibility for any loss of data that may occur when connected to this unit.
- With large amounts of data, it may take longer for the system to read the contents of a USB device.

- Some USB devices may not be properly recognized.
- Even when they are in a supported format, some files may not play or display depending on the content.

(e) Timeshift



When you are playing the program, you can insert the USB, and at any time you can press the [Time shift] button, the frame will be paused, and you may press the [PLAY] button after a second, it will start to timeshift now. You may press the PLAY button to return the normal program playing, and the timeshift is continuing, you may see from the below picture's bottom which is showing the time shift status. In this case, you may make the unit to play the recorded program from the start.

Press [Info] key to see time shift information as below:
You can press [fast forward]/[fast back] to move the slide to left or right of the current recording.
Note: Time Shifting will only be available when USB HDD is connected to the system and read/write speed is high enough to do that.
Press [Stop] button to end the timeshift, and it will back to the normal playing of the program

Troubleshooting

Problem	Potential Reasons	What to do
No picture	Power isn't connected	Connect the power
	The power switch is not on	Switch on the power
Scrambled channel	The service is sold	Decoding on the card, contact your service provider
Screen shows' No Signal'	DVB-T cable not connected	Plug in the DVB-T cable
	Aerial cable is faulty	Check aerial cable and connections
No sound from speaker	No or incorrect connection with audio cable	Connect the audio cable correctly
	Sound on mute	Turn off mute function
Only sound, no image on the screen	Resolution not supported by TV set	Press V-format button to change resolution
	No or incorrect connection with AV cable	Make sure cables are connected correctly

	The program is a radio program	Press<TV/Radio>key to shift into TV mode
Remote Control is not responding	The battery is exhausted	Change battery
	Remote Control is not facing or close enough to the STB	Adjust the position of the Remote Control and move closer to the unit
Picture is breaking up	The signal is too weak	Check aerial cable and connections.

Technical Specifications

Item	Sub Item	Parameter
Tuner	Input Frequency	174~230MKz 470~862MKz
	RF Input level	-82~-20dBm
	IF Bandwidth	7MHz and 8MHz
	Modulation	QPSK, 16QAM, 64QAM
Video	Decoder Format	MPEG1; MPEG2; MPEG4 (H.264), SD, HD
	Output Format	SD 720x576, HD 1280x720 (720p), 1920x1080 (1080i), 4:3 ir 16:9
	Output Port	HDMI (V1.3C), RGB, CVBS/SCART
Audio	Decoder Format	MPEG Layers I, II; mono, stereo; AAC; AC3
	Audio Output	SPDIF
USB2.0	Supported Capacity	500GB
	Supported Media	MP3, WMA, JPEG, BMP, AVI, MKV
Power	Supply Voltage	~220-240V 50/60Hz, 12V adapter
	Maximum power consumption	15W

The manufacturer reserves the right to change the configuration, technical or any other parameters without prior notice.

www.tvstar.eu

WARRANTY

IE

CONDITIONS OF WARRANTY

Warranty period: 12 months.

During warranty period for the product the manufacturer assumes obligations stated in the warranty. Warranty period starts from the moment of retail sale of the product. The product is characterized by appropriate qualitative properties and will function without obstructions if you will follow the attached manual in operation. In case of obstructions in functioning the relevant authorized service-centre according to the request order of warranty owner during warranty period and on own account provide elimination of obstructions and malfunctions of the product.
Maximum term of repairing by the service-centre is 45 days. Warranty period is extended for the time of repairing. If repair will not be fulfilled by the time fixed the seller/manufacturer will replace the product with new one.
Exceptions are the cases of malfunctions due to improper or careless use of the product.

Warranty is valid if the date of sale is confirmed by the seller's stamp and signature and if there is a receipt confirmed this purchase on sheet of the warranty.
Warranty is valid in the presence of all original parts/components.
The device is intended not for professional, but exceptionally for in-home use!

Warranty is terminated in the following cases:
- when it is defined that unauthorized person broke the product integrity or installlation of unoriginal parts/components took place;
- if malfunction occured due to electric shock or inflammation;
- if product contacted with water or any other liquid;
- if malfunction occured by any other reason beyond the control of the manufacturer;
- if malfunction occured due to mechanical damage;
- if product was used or stored at the temperature below +5C and above +40C at humidity over 60%;

WARRANTY SERVICE COUPON
Serial number:.....
Warranty period: 12 months,
Date of sale: .....
Stamp and signature of the seller
Full name of the buyer: .....
Street .....
City .....
Telephone .....

AUTHORIZED SERVICE-CENTRE:

MSE Accessories Ltd, Unit T9/10 Maple Avenue, Stillorgan Industrial Park, Blackrock, County Dublin, Ireland
Telephone +3531 295 5441
Email accessories@msegroup.ie