Labgear

HDSR300

High Definition Satellite Receiver

USER GUIDE

Customer Careline 0901 293 0038*

*Careline calls are charged at £1 per minute from a BT landline. Call charges from other networks may vary.

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SAFETY CAUTION：

Safety Instructions

DO NOT INSTALL YOUR RECEIVER:

- In a closed or poorly ventilated cabinet;
- Directly on top of or under any another equipment;
- On a surface which might obstruct the ventilation slots.

DO NOT EXPOSE THE RECEIVER OR ITS ACCESSORIES:

- To direct sunlight or near any other equipment that generates heat;
- To rain or intense moisture;
- To any shock which may cause permanent damage to your receiver;
- To any magnetic objects, such as loudspeakers, transformers, etc.;
- To intense vibration;
- Never open the cover. It is dangerous to touch the inside of the receiver due to high voltage currents and possible electrical hazards. Your warranty will be void if the receiver has been opened.
- When the receiver is not used for a long period of time, you should unplug the power cord from the wall socket.
- Do not use a damaged power cord. It may cause a fire or an electrical shock.
- Do not touch a power cord with wet hands. It may cause an electric shock.
- Place the receiver in a well-ventilated environment.
- When you are connecting the cables, be sure that the receiver is disconnected from the mains supply voltage.
- Do not use your receiver in a humid environment.

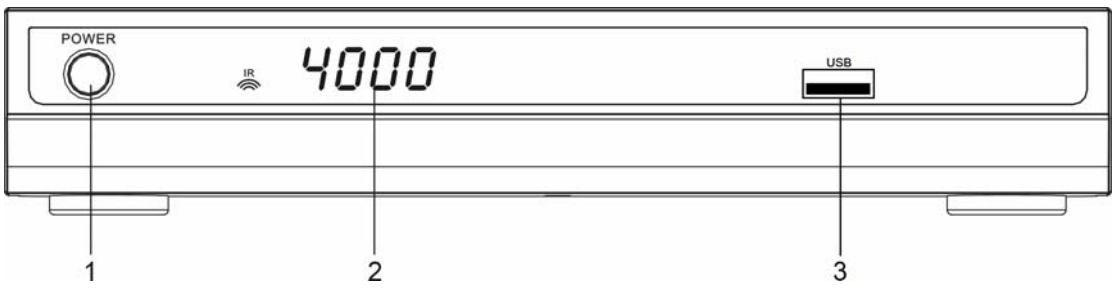
Make sure you read this user manual before installing your receiver.

Main features:

- Slim design (230mm)
- MPEG-2, MPEG-4/ H.264 decoding
- Full USB2.0 for software updates, music playing, image viewing and recording
- 256 Colour On Screen Display
- Parental control
- Favorite lists
- Timer
- EPG/TTX/SUBTITLE supported
- Digital sound through optical output(S/PDIF)
- PVR ready supported

1. Installation of STB

1.1 Front Panel



1. **POWER** Button

Turns the receiver On/Off

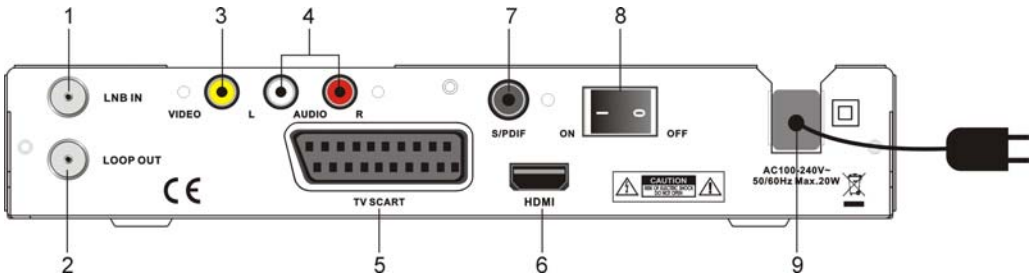
2. Display (4-digi 7-segment)

4-digi displays channel information; In Standby mode, 7-segment displays local time

3. USB2.0 Port

For PVR function, software updates, and other USB functions

1.2 Rear Panel



1. LNB IN

Connect the Satellite Dish LNB.

2. LOOP OUT

Output the Dish LNB IN signal.

3. AUDIO Right and Left

These connectors give you the possibility to connect the audio signal to an external amplifier, or the audio input of your TV.

4. VIDEO

This connector has a composite CVBS video signal for additional VCR-connections.

5. TV SCART Connector

Use this connector to connect your receiver with your TV set using a SCART cable.

6. HDMI

Use this connector to connect your receiver with your TV set using a HDMI cable.

7. S/PDIF

Use this coaxial output to connect your receiver to the input of your digital audio amplifier.

8. Power ON/OFF Switch

9. Power Cord

Your receiver requires a current of 100~240V AC (Auto-selectable), 50~60Hz +/-5%.

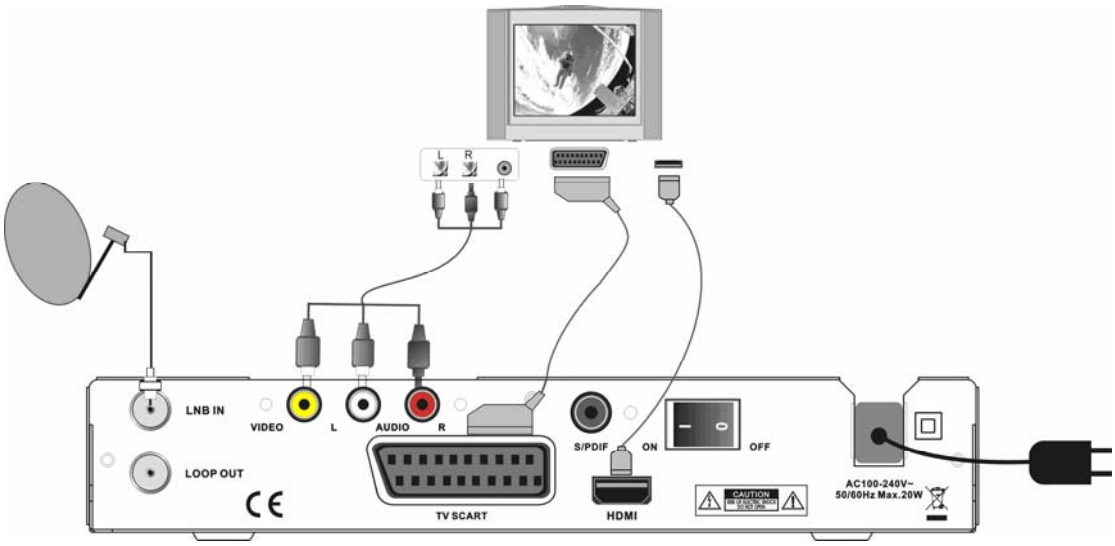
Make sure to check the power specification before connecting your receiver to the wall outlet.

1.3 Connection

Note: Before connect this HD receiver to other devices, please shut down all devices to be connected.

- **Connecting to TV**

1. Connect the satellite signal from the LNB to the LNB IN connector.
2. Connect the receiver to your TV set through the options of HDMI cable, SCART cable or a RCA cable.



- **Connecting to Digital Audio Amplifier**

Connect S/PDIF connector at the back of your receiver to appropriated input of your Digital Audio

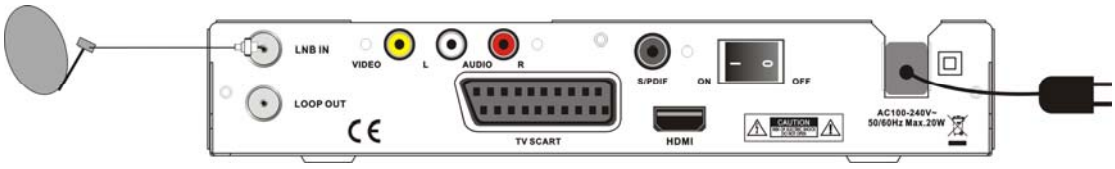
- **Connecting to Dish**

Aiming a satellite dish and LNB to the correct longitude and Azimuth (angle of elevation) of a satellite is a specialist job, and best to be done by a professional installer.

<Connecting a fixed satellite dish to your receiver>

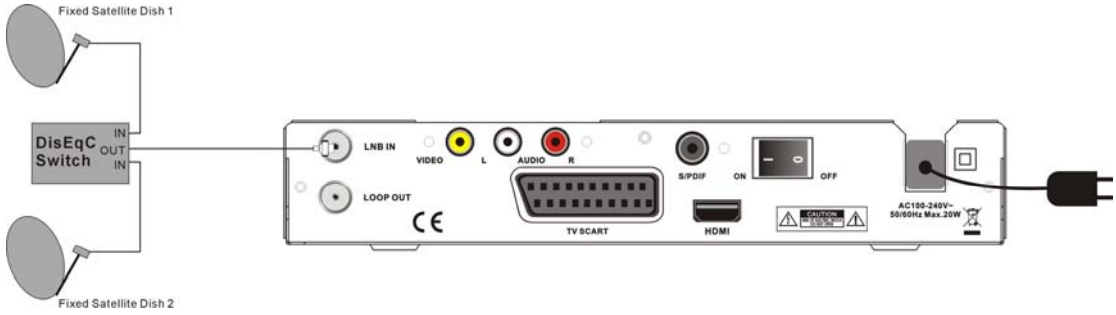
Make your choice of which satellite you want to receive your signals from, and have your installer aim your dish at the requested satellite. For English language channels this will be Astra 2, Eurobird 1.

Connect an F type coax cable to your LNB and the other end directly to the LNB IN connector of your receiver.



<Connecting multiple fixed dishes to your receiver using a DiSEqC 1.0 switch>

If you want to watch programmes from more than one satellite (For instance from Astra and from HotBird) it is suggested to use fixed dishes and a DiSEqC 1.0 switch. Have your installer aim the dishes at the requested satellites and connect the LNBs with coax cables to the IN connectors of the DiSEqC 1.0 switch. Connect the OUT connector of the DiSEqC 1.0 switch tothe LNB IN connector at the back of your receiver.

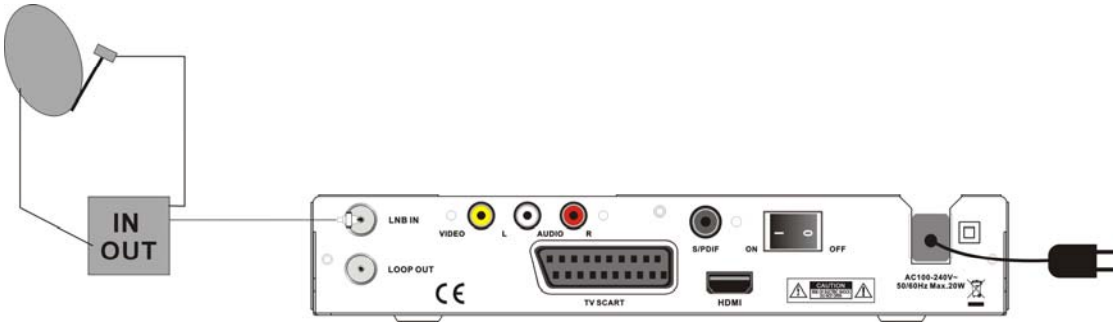


<Connecting a dish on a motorized positioner to your receiver>

Another option to watch programmes from multiple satellites is by mounting a dish to a motorized DiSEqC 1.2 positioner.

Have your installer mount the dish to the positioner, set the correct azimuth (angle of elevation) and let him set the centrepoint for your positioner.

Connect the LNB with a coax cable to the LNB IN connector of the positioner, and connect the OUT connector of the positioner to the LNB IN connector at the back of your receiver.



- Turn on your TV, and select correct input.
- Plug the receiver power cord into the 240V/100V AV power socket on the wall.
- Press the "**POWER Switch**" on the rear panel of the receiver to start. Wait a moment till the "**Lock light**" (yellow color) is on. Then press the "**POWER**" button on the front panel.

1.4 Remote

⏻: Switches between operational and standby modes.

: Press to temporarily cut off the sound.

0-9: Enter number or select a channel number to watch.

AV: Switches between AV aspect ratios format.

TV/R: Switch between TV and Radio mode.

MENU: Displays the main menu.

EXIT: Returns to the previous menu or escape from the item

OK: Confirm.

▲◀▶▼: Move cursor up/down/left/right, page up/down, Vol +/-.

FAV: Press to display the TV favorite list.

EPG: Shows the EPG (Electronic Program Guide) only when menu is off.

V+/V-: Volume+/-.

AUDIO: Display the Audio Select window.

INFO: Shows information of the current channel. When a USB device is connected, double click will bring you to Record list

ZOOM: Magnify the picture.

P+/P-: Page up or down in menu list.

SAT: Switches between the satellites.

TEXT: Shows current service's Teletext On Screen Display

SUB: Shows the list of subtitled languages the current channel supports. Also turns on and off.

RCL: Switches to last channel watched.

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PVR Function:

◀◀:

Rewind: x2, x4, x8, x16, x24

▶▶:

Fast forward: x2, x4, x8, x16, x24

|◀◀:

Reverse slow motion: x1/2, x1/4, x1/8 (This function is not available on H.264 coding as used by some HD channels like BBC HD).

▶▶|:

Forward slow motion: x1/2, x1/4, x1/8

:

Start playing/ Release pause.

STOP/ Activate USB menu.

||

Pause.

Records a live programme.

2. Main Menu

This HD receiver contains a facilitated user interface, this function is to make user easy to call all device functions.
Operation Steps: Press “**MENU**”, you can see this main menu.

- When no menu is appeared on the screen, you press the【**MENU**】key that will display the main menu.
- When menu appears on the screen, press the【**MENU**】 or 【**EXIT**】 key this will return to the up-level menu.
- 【**OK**】：When press the “**OK**” key this will select the current sub-level menu item.
- 【▼▲】：Will move the selection up or down.

3. Edit Channel

Use the main menu, you can press UP or DOWN key to select “**Edit Channel**” icon. From this menu, we can select “**TV Channel List**” , “**Radio Channel List**” and “**Delete All**” items.

3.1 TV Channel List

You can add channels to a favorite group, lock channel, skip channel, move channel and edit channel in the “**TV Channel List**” Menu.

3.1.1 FAV

In “**TV Channel List**” menu, you can select a channel by pressing UP/DOWN key, then press “**FAV**” key and “**OK**” key to enter the favorite group list, press UP/DOWN to select a favorite group, and press “OK” key to confirm, press “**EXIT**” key to add the channel to this favorite group.

3.1.2 Lock

In “**TV Channel List**” menu, you can select a channel by pressing UP/DOWN key, then press the “**RED**” key and then the “**OK**” key to lock this channel. Press “**OK**” again to cancel lock.

3.1.3 Skip

In “**TV Channel List**” menu, you can select a channel by pressing UP/DOWN key, then press the “**GREEN**” key and then the “**OK**” key to skip. Press “**OK**” again to cancel skip.

3.1.4 Move

In “**TV Channel List**” menu, you can select a channel by pressing UP/DOWN key, then press the “**YELLOW**” key and then the “**OK**” key to mark it, press UP/DOWN key to move this channel to the position where you want to move. Press the “**OK**” key to store the channels in its new position.

3.1.5 Edit

In “**TV Channel List**” menu, you can press the “**BLUE**” key to edit the channel list. In “**Edit**” menu, you can sort, edit and delete channel.

- **Sort**

You can sort channels with options of ‘Name A-Z’, ‘Name Z-A’, and ‘Free/Scrambled Lock’ by pressing “**RED**” key.

- **Edit**

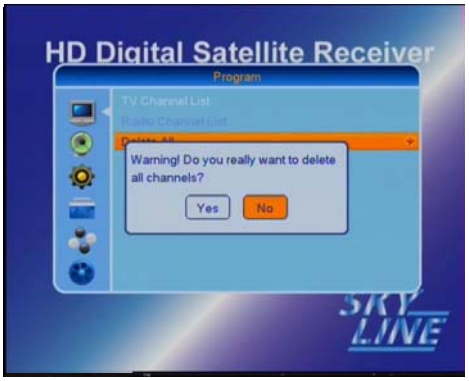
You can rename channels by pressing “**GREEN**” key.

- **Delete**

You can delete channels by pressing the “**BLUE**” and “**OK**” keys.

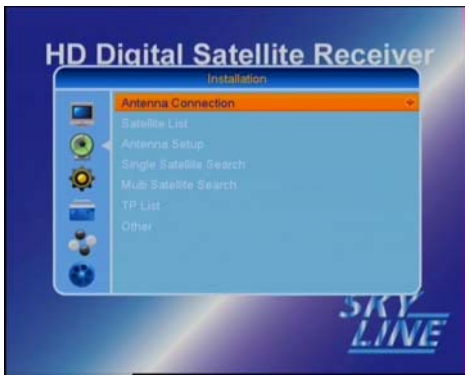
3.2 Delete All

In “**Edit Channel**” menu, press UP/DOWN key select “Delete All”, and press “**OK**” key, you can delete all channels.



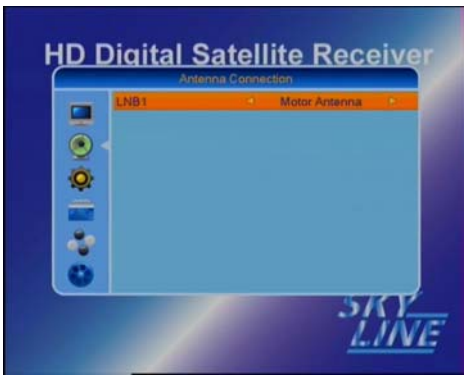
4. Installation

In the main menu, you can press UP or DOWN key to select “**Installation**” icon. From this menu, we can select “**Antenna Connection**”, “**Satellite List**”, “**Antenna Setup**”, “**Single Satellite Search**”, “**Multi Satellite Search**”, “**TP List**” and “**Other**”.



4.1 Antenna Connection

From “**Installation**” menu, you can select the “**Antenna Connection**” menu.
You can select the antenna connection mode for ‘Fixed’ or ‘Motor’.

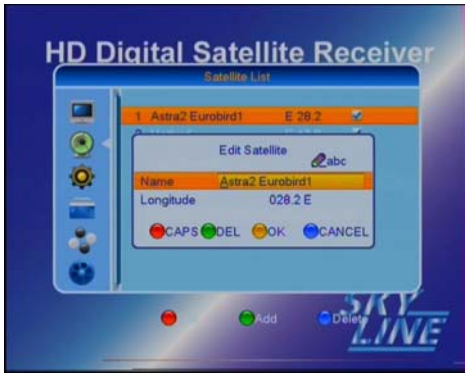


4.2 Satellite List

From “**Installation**” menu, you can select “**Satellite List**” menu.
In this menu, you can select and edit the satellites.

- **Rename**

Press UP or DOWN button to select one satellite, press **RED** button to enter “Edit Satellite” menu, press numeric key to input the new name.



- **Add**

Press **GREEN** button to add new satellite.

- **Delete**

Press **BLUE** button to delete selected satellite.

4.3 Antenne Setup

From “**Installation**” menu, press **OK** button on the **Antenna Setup**, you will get this window.

Satellite: If you press **OK** in Satellite, the satellites list is displayed. Move the cursor to a satellite and press **OK** to select the satellite
LNB Freq: Here you can change LNB Frequency. Default is set to ‘Universal (9750-10600).
Transponder: To change the transponder.
DiSEqC1.0: Default is Disable. You can select Port1~Port4.
22K: Default is Auto.
Polarity: You can change the Polarity. Default is Auto

4.4 Single Satellite Search

In this menu, you can select one satellite and set **FTA Only** (Yes or No), **Scan Channel** (TV Channel, Radio, or TV+Radio), **Network Search** (Default), and **Scan Mode** (Auto or Preset) to search channels only on the select satellite. English language channels set to Astra 2, Eurobird 1.

4.5 Multi Satellite Search

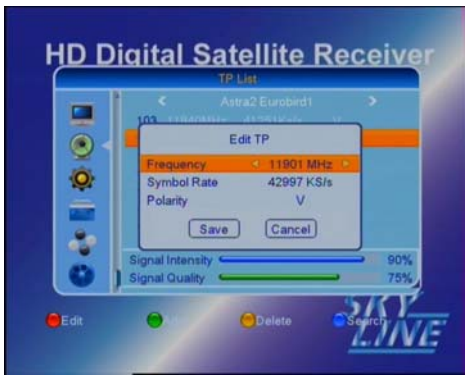
In this menu, you can set **FTA Only**, **Scan Channel** and **Scan Mode** to search channels on multi-satellite.

4.6 TP List

In this menu, you can edit the transponders, add the transponders, delete the transponders, and search channels with the selected transponder.

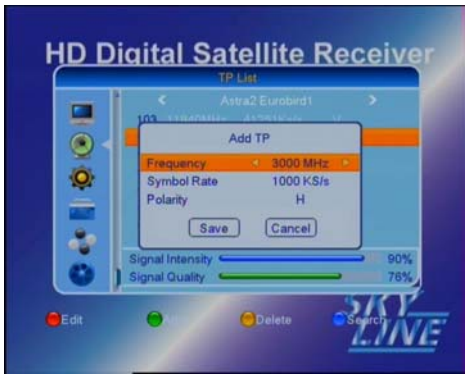
- **Edit**

Press **UP** or **DOWN** key to select one of the transponders, press the **RED** key to edit it by setting Frequency, Symbol Rate and Polarity. After the setting, select "**Save**" and press **OK** to save the operation, select "**Cancel**" and press **OK** to cancel the operation.



- **Add**

You can press **GREEN** key to add transponder by setting Frequency, Symbol Rate and Polarity. After the setting, select "**Save**" and press **OK** to save the operation, select "**Cancel**" and press **OK** to cancel the operation.

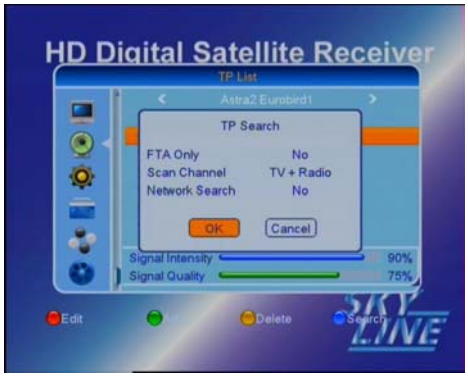


- **Delete**

Press **UP** or **DOWN** key to select one of the transponders, press **YELLOW** key to delete it.

- **Search**

Press **UP** or **DOWN** key to select one transponder, press **BLUE** key to search channels by setting **FTA Only**, **Scan Channel** and **Network Search**.



4.7 Other

In this menu, you can set **LNB Power** (On or Off), **Channel Play Type** (All, Free or Scrambled) **and BER – Bit Error Rate** (On or Off).

5. System Setup

Use the main menu, you can press UP or DOWN key to select "**System Setup**" icon. From this menu, you can select "**Language** "," **TV System**", "**Display Setting** ", "**Local Time Setting** ", " **Timer Setting** ", "**Parental Lock**" , "**OSD Setting**" and "**Favorite**" items.

5.1 Language

You can set Language, First Audio language, Second Audio language and Teletext language.

5.2 TV System

You can set Video Resolution, Aspect mode, Video Output and Digital Audio Output.
If you connect to TV through a **HDMI cable**, please set **Video Output** to **YUV**, then change the **Video Resolution** to **'1080i'** for best result.

5.3 Display Setting

You can set **Brighness**, **Contrast** and **Saturation**.

5.4 Local Time Setting

you can set your STB's time. This function is useful for EPG and some timer functions.
If a broadcaster provides GMT signal, you can set the time using GMT or set your own time by yourself.
If the "**GMT usage**" is set to "**Off**", you can only set **Date** and **Time**.
If you set "**GMT Usage**" to "**On**", you can select "**GMT Offset**" and set "**Summer Time**" to "On" or "Off".

5.5 Timer Setting

You can set the timer to make the receiver perform designated actions including timer based wake up or sleep instructions to the set-top-box.

Use the **UP/DOWN** buttons to select timer. Press the **OK** button to enter your selected timer settings.

You can set it as follow:

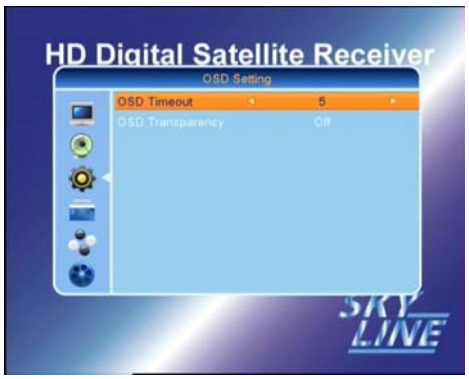
Timer Mode: To select the timer mode, Once, Daily or Off.
Timer Service: To select timer service, Channel or Record.
Wakeup Channel: To select the wakeup channel of the timer action.
Wakeup Date: To set the date of the timer action.
On Time: To set the time of the timer action.
Duration: To set the duration time.

5.5 Parental Lock

In “Parental Lock” menu, you can set Menu Lock, Channel Lock and change the password.

5.6 OSD Setting

You can set OSD Timeout and OSD Transparency.



5.7 Favorite

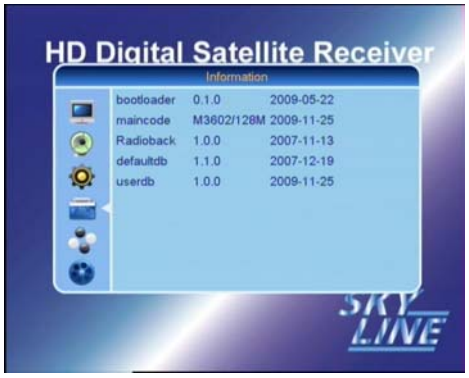
You can select the favorite group and press “OK” key to rename it. For favorite channels setting, please see page 8.

6. Tools

In the main menu, you can press UP or DOWN key to select “**Tools**” icon. From this menu, you can select “**Information** “,”**Factory Setting**”, “**S/W Update by OTA**”, ” **Update by USB** ”, ”**USB**”, and “**Remove USB device safely**” items.

6.1 Information

From “**Tools**” menu, you can select “**Information** ” menu. In this menu, you can view the HW version and SW version.

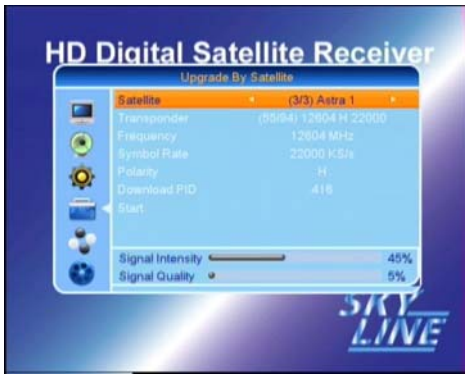


6.2 Factory Setting

You can restore to factory settings by selecting “**Load Factory Setting**” and pressing “**OK**” key. Select “**Yes**” and press “**OK**” key to confirm; select “**No**” and press “**OK**” key to cancel.

6.3 SW Update by OTA

From “**Tools**” menu, you can select “**SW Update by OTA**” menu. In this menu, you can upgrade software by setting Satellite, Transponder, Frequency, Symbol Rate, Polarity and Download PID. After finish setting, you can select “Start” and press “OK” to start software update.



6.4 Update by USB

You can do “**Software Update**” by USB.

6.5 USB

In this menu, you can play the music, and you can setup the media player.

6.6 Remove USB device safely

You can remove USB device safely.

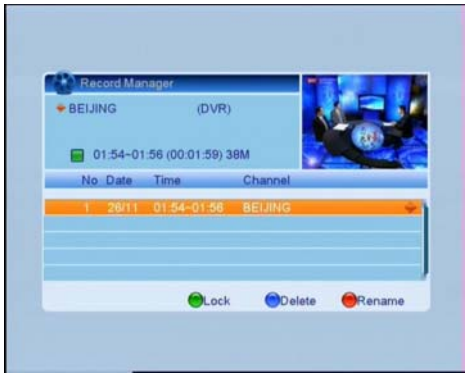
7. Game

There are three games in this menu, they are Tetris, Othello and Sudoku, you can play them following the introductions.

8. REC(Record)

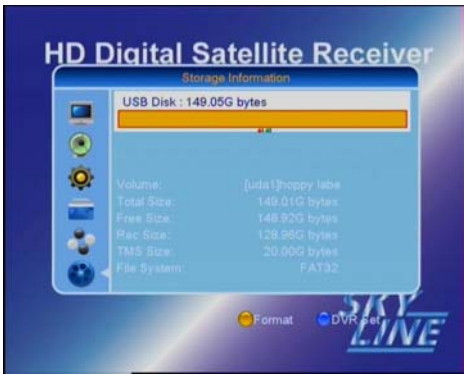
In the main menu, you can press UP or DOWN key to select "**REC**" icon. From this menu, you can select "**Record Manager**", "**Storage Information**", "**DVR Configuration"**, and "**Jump**" items.

8.1 Record Manager



In this menu, you can lock, delete and rename the recorded programmes.

8.2 Storage Information



In this menu, you can view the Storage Information, format the storage by pressing RED button and set DVR by pressing BLUE button.
***** Please make sure you have more than 3Gb of space on your own external hard drive. With less than 1Gb of space remaining, you will not be able to do any recording. With between 1Gb and 3Gb of space, you can only use the time shift function but not the live record function.

8.3 DVR Configuration

In this menu, you can set Time Shift On or Off, Time shift to Record On or Off and Record Type.

8.4 Jump

In this menu, you can set the jump time.

9. Other functions introduction

9.1 Program information

If you press the **INFO** button once, a banner is displayed on the screen, and if you press the button again before the banner is disappeared, the banner will show the record list.

9.2 Favorite List

If you press “**FAV**” on the remote controller at No menu state, the favorite group list will be displayed on the screen. You can select one favorite group and press “OK” key to enter the favorite channel list. For favorite channels setting, please see page 8.

9.3 Program Guide

EPG shows the event information of the current channel by time zone.
EPG is divided into Weekly mode, and provides timer based recording and automatic power that have EPG information.

Move the cursor to an event in the required time zone, and press “**RED**” key. You can view the

EPG in a week.

Move the cursor to an event in the required time zone, and press “**BLUE**” key. Then the timer is set to the designated time.

9.4 Volume Control

- Adjust volume: Press “**Left/Right**” key on the remote controller at No menu state.
- Mute: Press “**Mute**” key on the remote controller at No menu state

9.5 Record program

In channel playing mode, you can record program by pressing ● key, and you can press ● again to set duration.

10. Technical Specification

Item Name	Parameters
CPU	Ali M3602 High Definition STB decoder
Flash	2MB
Memory	SDRAM 128MB
EEPROM	AT88SC-08(HDCP KEY)
Rear Panel	Composite Video Output： 1 RCA
	Stereo Audio Output：2 RCA
	S/PDIF Output: Coaxial 1 RCA
	SCART Output: 1 SCART
	HDMIOutput : 1 HDMI
	1 Tuner
	Power Switch
Front Panel	Key: 1Power key
	Remote control (IR) : 1 piece
	4 Digital(7 Segments)
	2 LED : 1 Standby/on
	1 USB Type-A Receptacle
Power Supply	External Power: AC100－240V，50/60Hz. On: ≤8W，Standby: ≤1W

10. Technical Specification

Item Name	Parameters
CPU	Ali M3602 High Definition STB decoder
Flash	2MB
Memory	SDRAM 128MB
EEPROM	AT88SC-08(HDCP KEY)
Rear Panel	Composite Video Output： 1 RCA
	Stereo Audio Output：2 RCA
	S/PDIF Output: Coaxial 1 RCA
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For further information or any queries please contact

Customer Careline: 0901 293 0038

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