

User's Manual



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GENERAL INFORMATION

A Digital Satellite Receiver is a convenient product that allows you to view a variety of programs provided through satellite. This user's guide covers the installation of the DSR and the necessary steps to implement various features. This also explains special features available only in this DSR in detail, which will allow you to make full use of these features.

Information confirmed in this document is subject to change. We reserve the right, without notice, to make change in product design or performances as progress in engineering or technology.

Main Features

- MPEG-2 digital & fully DVB-S compliant
- SCPC and MCPC receivable from C/Ku band satellite
- Automatic PAL/NTSC conversion
- 4000 channels TV and Radio programmable
- 32 different favorite groups selection
- On Screen Display with multi-language
- Fully support to 7 days Electronic Program Guide (EPG)
- Picture in Graphics (PIG) support
- 256 colors On Screen Display
- Automatic network search for newly added transponders
- DiSEqC 1.0/1.1/1.2/1.3 fully support, 13/18V, 0/22K
- Various channel editing function (favorite, move, lock, rename and sort)
- Parental control for channels
- Easy to use Menu System
- Software upgrades through RS232 port and Receiver to receiver
- Automatic turn on/off by Timer setting (multiple options)
- Subtitle support DVB EN300743 and EBU
- Teletext support DVB ETS300472 by VBI and OSD
- Automatic save for last channel
- Channel list can be sorted by alphabetic A-Z
- Up to 3X3 pictures on screen, only 1 active
- Video zoom function with 1/2/4/6/8/12/16 ratio
- Support FAT16/FAT32/FAT12
- Only list JPEG/BMP files
- Default 2 hours, user can setting the end time
- Based on size of HDD, 512M~8G size will reserve for time shifted recording
- Lock/Delete/Rename, Preview playback, Browse record files information
- Play/Pause/Stop/Step
- Fast Forward/Fast Backward 2/4/8/16/24, Slow Forward/Slow Backward 1/2, 1/4, 1/8, Jump to user selected time point
- 480i/p, 576i/p, upscale to 720p, 1080i

GENERAL INFORMATION

For Your Safety



- To avoid electric-shock hazards, do not open the cabinet, refer servicing to qualified personnel only.



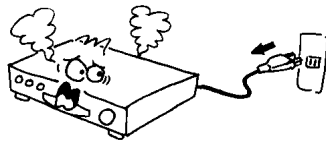
- Keep the receiver away from flower vases, tubs, sinks, etc., in order to avoid damaging the equipment.



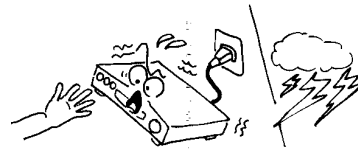
- Do not expose the receiver under the sunlight. And keep it away from the heat source.



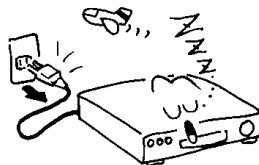
- Do not block ventilation holes of the Receiver so that air can circulate freely.



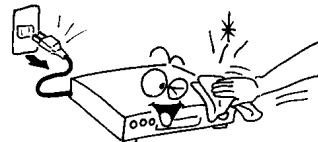
- When the abnormal phenomenon occur, you should cut off the power immediately.



- Do not touch the receiver during thunder, since that might create electric-shock hazards.



- Switch the receiver off whenever it remains out of service for an extended period.



- Be sure to turn the Receiver off and disconnect the AC power cord before cleaning the Receiver surface. If the surface is dirty, wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.

GENERAL INFORMATION

Warning statement

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

GENERAL INFORMATION

Unpacking



● Remote Control



● Batteries



● User's Guide

General Operation

- Throughout this manual you will notice that the everyday operation of the receiver is based on a series of user friendly on screen display and menus. These menus will help you get the most from your receiver, guiding you through installation, channel organizing, viewing and many other functions.
- All functions can be carried out using the buttons on the RCU, and some of the functions can also be carried out using the buttons on the front panel.
- The receiver is easy to use, always at your command and adaptable for future advances.
- Please be aware that new software may change the functionality of the receiver.
- Should you experience any difficulties with the operation of your receiver, please consult the relevant section of this manual, including the Problem Shooting, or alternatively call your dealer or a customer service adviser.

GENERAL INFORMATION

RCU



Key	Function
	Turns power ON/OFF of the DSR
	When watching a channel, mute the sound
0~9	Enter number of the required menu item or select a channel number to watch
TV/RADIO	Switches between TV and Radio mode
← PR	Switches back to previous channel
FAV	Displays the favorite group list
SHIFT	Timeshift function key
FIND	Display the Find window
INFO	Show information of the current channel
MENU	Press this key one time to run menu onscreen
▲ ▼	Moves up / down a page in the list
OK, LIST	Executes the selected item in the menu screen or enters the desired value in any input mode
PR+, PR-	When watching a channel, change channels or move to the next higher or lower item in the menu
⏪ ⏩	When watching a channel, adjust the volume or move to the left or right item in the menu
EXIT	Return to the previous menu on the menu screen or escape from the menu
EPG	Call up the EPG (Electronic Program Guide)
	Display the Audio window.
TV/AV	Switch between TV and AV modes
TXT	Switch to teletext or subtitle mode
ZOOM	Enter into the zoom in mode
PAUSE	Press once to pause the screen picture, press once again to go to the normal mode
SLEEP	Enter into the sleep in mode
	Enter into the nine-pictures mode displayed on the screen.
RECORD	Record the program
▶, ■	Play and stop the program
◀◀ ▶▶	Press to fast Forward or fast backward
◀ ▶	Press to slow forward or slow backward

INSTALLATION

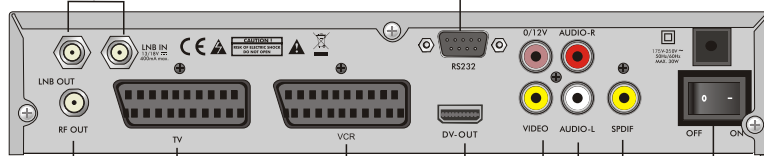
Front Panel



Rear Panel

LNB IN: CONNECT TO SATELLITE ANTENNA
LNB OUT: CONNECT TO THE OTHER RECEIVER

CONNECT TO APC FOR S/W UPGRADE



CONNECT TO TV/VCR
USING ASCART CABLE

CONNECT TO TV SET HDMI-OUT INPUT

CONNECT VIDEO TO TV USING RCA JACK

CONNECT TO AUDIO R/L TO TV OR AUDIO TUNER

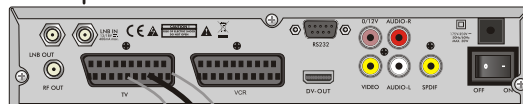
CONNECT TO A DIGITAL AMPLIFIER

RF OUT: CONNECT TO TV ANT INPUT

POWER ON/OFF

Connecting to TV using SCART support

Satellite Dish

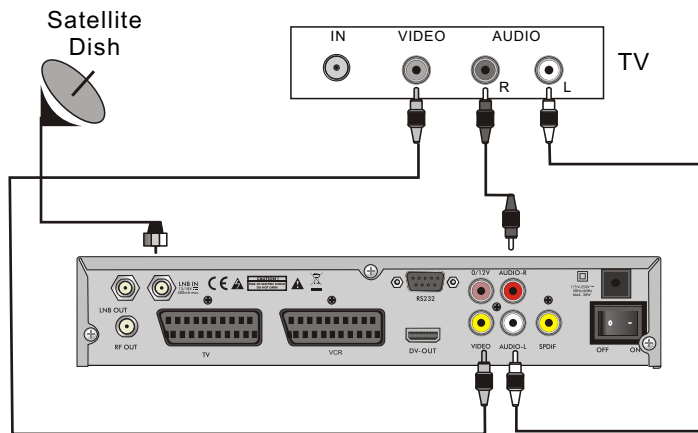


DSR

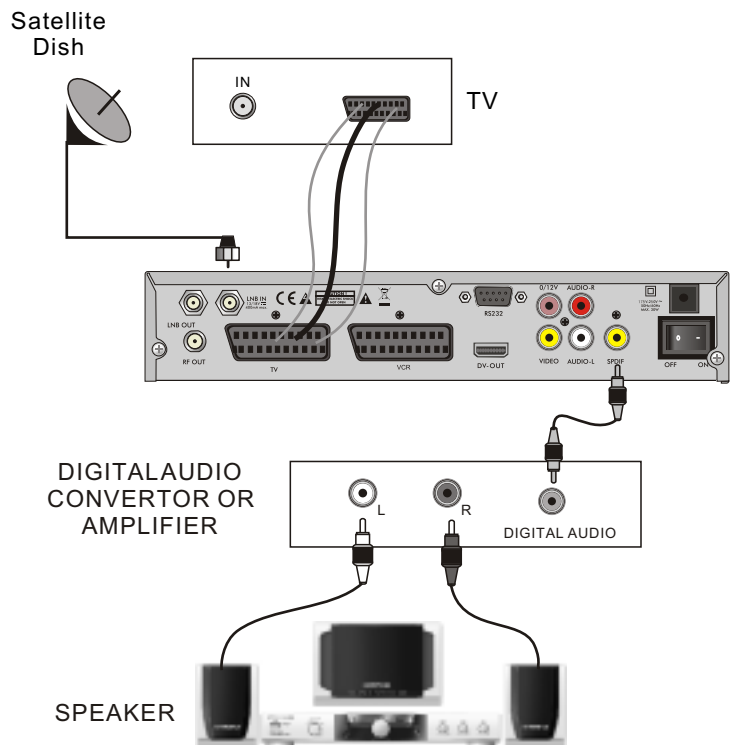


INSTALLATION

Connecting to TV using RCA support



Connecting to Digital Amplifier



MENU INFORMATION

Main Menu

- Make sure that you have properly installed and connected the cables of the receiver . If the receiver is the factory status or there is no program list, when power on, the Main Menu window will be displayed on the screen.

During the normal TV/Radio mode, press **MENU** key on the RCU to enter into the **Main Menu** window.

- This menu consists of 6 major main menus as follow.

- **Edit Channel**
- **Installation**
- **System Setup**
- **Tools**
- **Game**
- **REC**



- During the installation the **OK** key confirms a selection and **LIST** key shows Down List Box if the column has mark. You can also use the numeric keys on the RCU to enter numeric value.

Use the **PR+**, **PR-** key to move upwards and downwards from one line to another line and use \triangleleft \triangleright key to move from main menu to sub menu and move from left side to rightside or versa.

Meantime, you want to escape the menu system, please press **MENU** or **EXIT** key on the RCU.

MENU INFORMATION

- If there is no program, you can not exit from the **Main Menu** window by pressing **MENU** or **EXIT** key. System will inform "No channel" and the following items turn grey.

Sub-menu	Turn grey when there is no program		
Channel List	TV Channel List Radio Channel List Delete all		
Installation	Antenna Connection Antenna Setup Multi Satellite Search	Satellite List Single Satellite Search TP List	
System	Language Local Time Setting Parental Lock Favorite	TV System Timer Setting OSD Setting Other	
Tools	Information Upgrade by USB Conditional CA	Factory Setting Common Interface USB	
Game	Tetris	Othello	Sudoku
REC	Record Manager HHD Format	HHD Information PVR Setting	

1. Channel List

1. Press **OK** key or $\leftarrow +$ key to pop up the "Input Password" dialogue, you can not enter into the menu unless the correct password is inputted. The default password is "0000".
2. Press **PR+**, **PR-** keys to move the cursor up or down.
3. Press **EXIT** key or \rightarrow key to move the focus to the left menu.



1.1 TV Channel List

1. Press \rightarrow $\leftarrow +$ keys to select satellite.
2. Press **PR+**, **PR-** keys to select the program that you want to play, and then press **OK** key to view it in the small window. If move the **yellow** cursor to select up or down, you will see a gray line which indicates the playing program in the small window.



MENU INFORMATION

3. Press **FAV** key to move the FAV button upward. Select the program and press **OK** key to pop up the favourite group list. In the list, select the group that you want to add into and press **OK** key, and then you will find the favourite mark is displayed at the right side of the selected program.

Press **FAV** key again to exit from the fav mode, and you will find the FAV button return to the origin position.



4. Press **red** colour key to move the Lock button upward. Select the program and press **OK** key to mark this program with the Lock mark. You can cancel this mark by pressing **OK** key once more.

Press **red** colour key again to exit from the lock mode, and you will find the Lock button return to the origin position.



5. Press **green** colour key to move the Skip button upward. Select the program and press **OK** key to mark this program with the skip mark. You can cancel this mark by pressing **OK** key once more.

Press **green** colour key again to exit from the skip mode, and you will find the Skip button return to the origin position.



6. Press **yellow** colour key to move the Move button upward. Select the program and press **OK** key to mark this program with the move mark. Press **PR+**, **PR-** keys to move the cursor to the position where you want to locate and press **OK** key to confirm.

Press **yellow** colour key again to exit from the yellow mode, and you will find the yellow button return to the origin position.



7. Press **blue** colour key to enter into the **Edit channel** window.



MENU INFORMATION

i . Sort (red colour key)

Press **red** colour key to pop up the Sort drop-down list.

Name(A-Z): The ascending order, omitting the \$ character, the number is ahead, then the capital letter, at last the lowercase.

Name (Z-A): The opposite order of the above Name (A-Z).

Free/Scramble: All FTA programs are listed ahead, while all scrambled programs are listed last.

Lock: all locked programs are listed at the last.

Default

ii. Edit (green colour key)

Press green colour key to move the Edit button upward. Select the program and press **OK** key to pop up the **Rename** window.

In **Rename** window, press **red** colour key to switch between capital letter and lower letter; press **green** colour key to delete the character on the cursor; press \leftarrow \rightarrow keys to move the cursor left or right; press **numeric keys (0-9)** to input the character, please refer to the down table. Press **yellow** colour key to save and exit, or press **blue** key to cancel and exit.



Numeric keys	Press numeric key repeatedly, display in circle
1	.,*?!@1
2	ABC2
3	DEF3
4	GHI4
5	JKL5
6	MNO6
7	PQRS7
8	TUV8
9	WXYZ9
0	[space]_-0

If the name is empty, system will pop up a dialogue informing "Name" once **yellow** colour key is pressed. Press **OK** key to close this dialogue.

MENU INFORMATION

iii. Delete (blue colour key)

In **Delete** window, press **blue** colour key to move the Delete button upward. Select the program and press **OK** key to mark this program with the deletion mark. You can cancel this mark by pressing **OK** key again.

Press **EXIT** key to pop up the dialogue "Are you sure to save?". Select Yes button and press **OK** key to save, or select NO button and press **OK** key to exit without saving.



1.2 Radio Channel List

Sine the same operation as 1.1 TV Channel List, here we don't explain any more.

1.3 Delete All

Move cursor to the **Delete All** item, and press **OK** Key to pop up the dialogue "Warning! Do you really want to delete all channel?".

Press **EXIT** key to pop up the dialogue "Are you sure to save?". Select Yes button and press **OK** key to save, or select NO button and press **OK** key to exit without saving.



2. Installation

1. Press **OK** key or $\leftarrow +$ key to pop up the "Input Password" dialogue, you can not enter into the menu unless the correct password is inputted. The default password is "0000".

2. Press **PR+**, **PR-** keys to move the cursor up or down.

3. Press **EXIT** key or \rightarrow key to move the focus to the left menu.



2.1 Antenna Connection

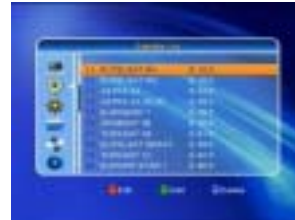
Press \rightarrow $\leftarrow +$ keys to select between Motor Antenna and Fixed Antenna.



MENU INFORMATION

2.2 Satellite List

1. Press **PR+**, **PR-** keys to select the satellite up or down. Press **OK** key to select and mark, and you can press **OK** key again to cancel the selection and the mark.



2. If there is no satellite, the red colour and blue colour keys will be invalid.

3. Press **red** colour key to pop up the **Edit Satellite** window. Press **PR+**, **PR-** keys to move cursor up or down.



Name: User numeric keys to change the name of the satellite, please refer to the **Edit Channel Name**.

Longitude: You can press \leftarrow \rightarrow keys to switch between east longitude and west longitude. After pressing **OK** key, you can use numeric keys to edit the longitude, press **EXIT** key or the **PR+**, **PR-** keys to exit editing mode. The range of the longitude is from 1 to 180 degree. If beyond this range, system will inform you "out of range" when you press **yellow** colour key on the RCU.

After setting, press **yellow** colour key to save and exit, while press blue colour key to exit without saving.

4. Press **green** colour key to pop up the **Add Satellite** window. Since the same operation as the above **Edit Satellite** window, here we don't explain any more.



5. Press **blue** colour key to pop up the dialogue "Are you sure to delete?". Select Yes button and press **OK** key to delete the selected satellite. You can cancel this operation by pressing **OK** key at the NO button.



MENU INFORMATION

2.3 Antenna Setup

Part A: Fixed

Suppose that you have selected Fixed Antenna in the **Antenna Connection** window.

1. Satellite: All selected satellites in the satellite list are displayed in this item.

Press \leftarrow \rightarrow keys to select the satellite in circle. Or press **OK** key to pop up the drop-down list, then select the desired satellite in the list and press **OK** key to confirm.

2. LNB Freq, Transponder, DiSEqC1.0, DiSEqC1.1: The same operation as the above.

3. 22K, 0/12V, Polarity: You can press \leftarrow \rightarrow keys to select in circle.



Part B: Motor

Suppose that you have selected Motor Antenna in the **Antenna Connection** window.

1. LNB Type: Select the proper LNB type.

2. Motor Type: Select between DiSEqC1.2 and USALS. If you select DiSEqC1.2, the following Local Longitude and Local Latitude items will turn grey.

3. Delete All: Press **OK** key to pop up the dialogue "Are you sure to clear set satellite position of this tuner?". Press **OK** key at the Yes button to clear all the memories about the position of the satellites that are connected to the current tuner.

4. Motor Setting: Press **OK** key to the **Motor Setting** window.

Satellite: Press \leftarrow \rightarrow keys to select the satellite in circle. Or press **OK** key to pop up the drop-down list, then select the desired satellite in the list and press **OK** key to confirm.

Transponder: The same operation as the above.



MENU INFORMATION

Position No., & Save: The range is from 0 to 63. "0" delegates the original position. You can select the proper value when you has rotated the antenna.

Go to X: Press **OK** key to pop up the drop-down list, select the proper position (reference or from 1 to 63) to realize the selected position.

West <Save> East: Press \swarrow key to turn west, while press \searrow key to turn east. Press **OK** key to pop up the dialogue "Are you sure to change this satellite's position?". Press **OK** key at the Yes button to save the current position, or press **OK** key at the No button to cancel the operation.

Recalculation: Press **OK** key to pop up the dialogue "Are you sure to change this satellite's position?". Press **OK** key at the Yes button to recalculation.

5. Limit Setup: Press **OK** key to pop up the **Limit Setup** window.

Limit Setup: Press \swarrow \searrow keys to switch among Disable Limit, East Limit and West Limit.

Limit Setup: Move cursor to the Limit Setup button. You can press \swarrow key to turn west, or press \searrow key to turn east.

Go to Reference: Press **OK** key to go to reference. If you select Disable Limit in the above Limit Setup item, this button will turn grey.



6. If select USALS, Delete All item will turn grey.

Local Longitude, Local Latitude: Press \swarrow \searrow keys to switch between West and East, or press \nwarrow \swarrow keys to switch between North and South. Press **OK** key to enter into the editing mode. Use **numeric keys (0-9)** to input the longitude or latitude, press **MENU** key or **EXIT** key to exit. The range of the longitude is from 0 to 180, while the range of the latitude is from 0 to 90. If the inputted value is not in this range, system will pop up a dialogue "Out of Range" when you exit from this window. You can press **OK** key to close this dialogue.



MENU INFORMATION

7. Motor Setting: Press **OK** key to enter into the **Motor setting** window.

Satellite, Transponder: Press \leftarrow \rightarrow keys to select satellite or transponder, or press **OK** key to pop up the drop-down list and select in the list.



2.4 Single Satellite Search

1. Satellite : Press \leftarrow \rightarrow keys to select the satellite in circle. Or press **OK** key to pop up the drop-down list, then select the desired satellite in the list and press **OK** key to confirm.

2. FTA Only: Press \leftarrow \rightarrow keys to select between Yes and No.

3. Scan Channel: Press \leftarrow \rightarrow keys to select among TV+Radio, TV Channel, Radio.

4. Network Search: Select between No and Yes. This item turns grey when Auto Scan is selected in the following Scan mode item.

5. Scan Mode: Press \leftarrow \rightarrow keys to select between Auto Scan and Preset Scan. Auto Scan is Blind scan, while Preset Scan is to search the preset frequencies.

6. Search: Press **OK** key to start searching.



2.5 Multi Satellite Search

From the **Multi Satellite Search** window, you can search several satellites at the one time.

1. Satellite: All selected satellites in the satellite list window are displayed on the down part. You can press \leftarrow \rightarrow keys to switch among them.

2. FTA Only: Press \leftarrow \rightarrow keys to select between Yes and No.

3. Scan Channel: Press \leftarrow \rightarrow keys to select among TV+Radio, TV Channel, Radio.



MENU INFORMATION

4. Network Search: Select between No and Yes. This item turns grey when Auto Scan is selected in the following Scan mode item.

5. Scan Mode: Press \leftarrow \rightarrow keys to select between Auto Scan and Preset Scan. Auto Scan is Blind scan, while Preset Scan is to search the preset frequencies.

6. Search: Press **OK** key to start searching.

2.6 TP List

1. Press **PR+,PR-** keys to select the proper satellite.



2. Press **red** colour key to pop up the **Edit TP** window.

Frequency, Symbol rate: Press \leftarrow \rightarrow keys to add or reduce by step one. Or press **numeric keys (0-9)** to input the desired value. The range of the frequency is 3000-13450, while the range of the symbol rate is 1000~45000. The inputted value is beyond this range, the value will return to the origin value.



Polarity: Press \leftarrow \rightarrow keys to switch between Vertical and Horizontal.

3. Press **green** colour key to pop up the **Add TP** window. Since the same operation as the above **Edit TP** window, here we don't explain any more.



MENU INFORMATION

4. Press **yellow** colour key to pop up dialogue "Are you sure to delete?". Press **OK** key at the Yes button to delete the selected TP, or press **EXIT** key to cancel the operation.



5. Press **blue** colour key to pop up the **TP Search** window.

FTA only, Scan Channel, Network Search:
Press \leftarrow \rightarrow keys to select the proper option.
Press **OK** key at the OK button to start searching.



3. System Setup

1. Press **OK** key or \rightarrow key to move the cursor to the right menu.
2. Press **PR+**, **PR-** keys to move the cursor up or down.
3. Press **EXIT** key or \leftarrow key to move the focus to the left menu.



3.1 Language

1. Press **OK** key to enter into the **Language** window. Press \leftarrow \rightarrow keys to select the language in circle, while press **PR+**, **PR-** keys to move the cursor up or down in circle.
2. Press **MENU** key or **EXIT** key to save and exit.
3. The types of the language, please refer to the configuration of the customer.



MENU INFORMATION

3.2 TV

Press **PR+**, **PR-** key to move the cursor up or down, while press \leftarrow \rightarrow keys to change the setting and the setting will take effect immediately.

- 1. Display Mode:** Select among Auto, PAL, PAL-M, PAL-N, NTSC.
- 2. Aspect Mode:** Select among 4:3LetterBox, 4:3PanScan, 16:9.
- 3. Video Output:** Select between RGB and CVBS.
- 4. RF System:** Select among PAL, PAL-M, PAL-N, NTSC and Auto.
- 5. RF Channel:** PAL:21-69, NTSC:14-83.
- 6. DV-OUT:** Select among 480i/576i, 480P/576P, 720P and 1080i.



3.3 Local Time Setting

- 1. Summer Time:** Select between ON and OFF. "OFF" delegates the normal time. If select ON, time will add one hour.
- 2. GMT Offset:** When select "ON" in GMT Usage item, system will get the date and time information from the screen automatically. Date and Time two items will turn grey. Select the proper option in the GMT Offset item. The default setting is GMT ON.



3. Date, Time: When select "OFF" in GMT Usage, Date and Time two items take effect, while GMT Usage turns grey. Use numeric keys to input the desired value. After setting, press **MENU** key or **EXIT** key to exit and save. If the value is invalid, system will inform "Invalid input! Continue to edit?". Press **OK** key at the Yes button to continue the modification, or press **OK** key at the No button to exit without saving.

3.4 Timer Setting

If there is no program, you can not enter into this window. There are 8 timers that can be set. Select Timer up or down, and press **OK** key to enter into the setting window.

- 1. Timer mode:** The default mode is off. You can set the timer once, daily, weekly, monthly and yearly.



MENU INFORMATION

2. Timer Service: Select between Channel and Message. If Channel is selected, the Wakeup Channel is displayed in the following item. If Message is selected, the Wakeup Message is displayed in the following item. In wakeup message, you can select among Birthday, Anniversary, General. At the same time the duration item turns grey.



3. Wakeup Date, On Time: Use numeric keys to input the valid date.

Duration: Set the gap time. After waking up, system will power off automatically after the duration time.

Press **MENU** or **EXIT** key to save and exit.

3.5 Parental Lock

Before entering into the **Parental Lock** window, you need input the correct password. The default password is **0000**.

1. Menu Lock: Press \leftarrow \rightarrow keys to select between Off and On. If select "On", you can not enter into the window before entering the password.



2. Channel Lock: Press \leftarrow \rightarrow keys to select between Off and On. The default value is Off.

If select "On", you can not view the locked channel set in **Chanel List Edit** window until you have inputted the correct password.

3. New Password: User **numeric key (0-9)** to input the new password.

4. Confirm Password: Input the new password once again. Confirm password must be the same as the New password. System will inform you "Change password successfully!" while they are the same, or inform you to input the password of Confirm password once again when they are not the same.

3.6 OSD Setting

1. Subtitle Display: Press \leftarrow \rightarrow keys to select between On and Off.

2. OSD Timeout: Press \leftarrow \rightarrow keys to select from 1 to 10 by step 1. The default values is 5.

3. OSD Transparency: Press \leftarrow \rightarrow keys to select among Off, 10%, 20%, 30%, 40%. The default option is Off.

Press **MENU** or **EXIT** key to save and exit.



MENU INFORMATION

3.7 Favorite

There are 32 favorites group listed in this window. Press **PR+**, **PR-** keys to select one and press **OK** key to the **Rename** window. Since the same operation as the above the **Add Satellite** window, here we don't explain any more.



3.8 Other

1. **LNB Power**: Select between Off and On.
2. **Channel Play Type**: Select among All, Free, Scramble.
3. **Channel Change**: Select between Freeze and Black screen.
4. **Beeper**: Select between Off and On.



4. Tools

1. Press **OK** key or \leftarrow key to pop up the "Input Password" dialogue, you can not enter into the menu unless the correct password is inputted. The default password is **0000**.
2. Press **PR+**, **PR-** keys to move the cursor up or down.
3. Press **EXIT** key or \rightarrow key to move the focus to the left menu.



4.1 Information

Press **OK** key to the Information window.



MENU INFORMATION

4.2 Factory Setting

Press **OK** key to enter into the **Factory Setting** window.

Select Yes button and press **OK** key to return to the factory setting. All searched channels and set information will be erased.

Select No button and press **OK** key to cancel this operation, or press **MENU** or **EXIT** key to cancel and exit.



4.3 Upgrade by USB

1. Upgrade File: Show the Upgrade File.

2. Upgrade Mode: Select between AllCode and Dump. When users switch the upgrade mode, "Upgrade File" will show the corresponding file according to the table below:

Upgrade Mode	File feature
All code :	File named as "*.abs"
Main Code:	File named as "*.bin"
Radio back:	File named as "*.m2v", the picture will be used as both radio back and menu back
Default db:	File named as "*.bin"



Select the upgrade mode and upgrade file, then you can start upgrade by USB.

3. Press **OK** key on start button to start receiving the data from USB device. When the USB device is not connected, this item is grey, you cannot edit it now.

4.4 Common Interface

There are 2 types of CI: Conax access and Irdeto access. Here we take Conax access for example.

Press **OK** key to enter into the main menu.

You can know information about product Ordering, Subscription Status, PPV Status, TokenStatus and soon.



MENU INFORMATION

Product Ordering

- Not available in this software.

Subscription Status

- Know the detail information of Subscription Status.

PPV Status

- No Entitlement.

Tokens Status

- Know the detail information of Tokens Status.

Change CA PIN

- **Changes CA PIN** window is designed for changing the smart card's PIN, which is required if you want change the maturity level settings.
In order to change the PIN, you must know the current PIN also called the old PIN. Input the new PIN and twice the PIN (New PIN and Confirm PIN must be the same) your want to set. Move cursor to **OK** button and press **OK** key, and then system will pop up a dialogue informing you the changing result.
Note that the PIN can only constructed with Arabic numerals.

Change Signature PIN

- Do the same way as the above Change PIN.

Note: The signature PIN will be locked after the three erroneous attempts to enter the correct PIN. If locked, please call the dealer for help.

Maturity Rating

- In Maturity Rating submenu, you can change the smart card's maturity rating, which will affect whether scrambled program is granted or not. There are four available settings for selection: **G-General Audience, A-Over18, X-Erotic, G-For the family, PG-parental Guidance.**
In order to change the maturity level, you must enter the correct PIN. If all of the items are satisfied, then you can click change maturity level button. A dialogue will tell you whether your change is succeeded or not.

MENU INFORMATION

Modem Ordering

- Not Modem available.

About Conax CA

- Know the information about Conax CA.

Message

- All messages are listed in this window.

Language

- Show all the language you can select.

Loader Status

- You can select allow download or forbid download.

4.5 Conditional CA

Select **Conditional CA** item and press **OK** key, then you will enter into its sub-menu which consists four items of About CA Info, Change PIN, Change Signature PIN, Maturity Level.

4.5.1 About CA Info

In **About CA Info** sub-menu, you can know the basic information about this conditional access such as Card Status, CAS System ID, Interface Version, Card Number, Number of sessions, Country Indicator, and Maturity Level.



4.5.2 Change PIN

Changes PIN window is designed for changing the smart card's PIN, which is required if you want change the maturity level settings.

In order to change the PIN, you must know the current PIN also called the old PIN. Input the new PIN and twice the PIN (New PIN and Confirm PIN must be the same) your want to set. Move cursor to **OK** button and press **OK** key, and then system will pop up a dialogue informing you the changing result.



Note that the PIN can only constructed with Arabic numerals.

MENU INFORMATION

4.5.3 Change Signature PIN

Do the sameway as theabove Change PIN.

Note: The signature PIN will be locked after the three erroneoous attempts to enter the correct PIN. Iflocked, please callthe dealer for help.



4.5.4 Maturity Level

Input the PIN then Move cursor to **Select Maturity level**,you can select **A-Over18,X-Erotic,G-General audience,PG-Parental Guidance**,move cursor to **Change Maturity level** button and press **OK** key,and then system will pop up a dialogue informing youthe changing result.

4.6 USB

USB menu will be automatically shown when insert U disk to USB portexcept auto scan, multi picture, upgrade. Or open USB menu according to Menu -> Tools-> USB. Press OK to enter into this window.

USB menu will be disabled when no USB device is plugged. Media Play List will not be saved when USB plugout or standbyor power off.



Move scroll bar when press up/down key, page up or down by page key. Go into sub-directory when press ok key in the file directory, play the selected file when scroll bar is on the file,automatic return USB menu after play is over.

Color key operation:

1.Green key: putthe file selectedby scroll bar to play list when press Green Key, in the meanwhile show “ Add to Play List” , display disappear after about one seconds, the file will be added into OGG play list if it is one OGG file, to Image play file for one Image file.

2.Yellow Key: All the OGG files in current directory are added into OGG play list by yellow key, and screen display “ Add to Play List” , display will disappear after one second.

3.Blue Key: All the Image files in current directory are added into Image play list by Blue key, and screen display “ Add to Play List” , display will disappear after one second.

4.Red Key: Show one operation window:” please select playlist type” by Red key, you can select Music or Image play by Left/Right Arrow key, open the selected Play list if press OK key. There will display “ This type of play list does not exist” if there are no anyfile.

MENU INFORMATION

Image view operation

Please see the below image operation menu if Image function is selected.

1.Red Key: Start to browse image if press RED key, or play the selected image if press OK key, return to USB File list if play is over, or return by press Exit Key.





2.Yellow Key: Delete selected image if press Yellow Key.

3.Blue Key: Press Blue Key, will delete all image files in playlist, but system will remind you “ Are you sure? ” before practical operation, if you select Yes, all file will be deleted and Play list window will be closed.



4.Green key: Press Green Key will show Setup Menu, please see the besides setup menu.

5. Game

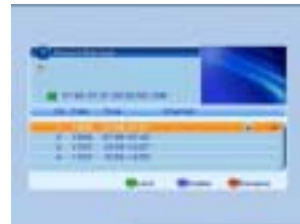
1. Press **OK** key or  key to enter into the game.
2. Press **PR+**, **PR-** keys to move the cursor up or down.
3. Press **EXIT** key or  key to move the focus to the left menu.
4. Select the game that you want to play and press **OK** key to enter into the window.



6. REC

6.1. Record Manager

1. Press **PR+**, **PR-** keys to select up or down,
2. Press **green** color key to lock the channel you selected, the lock symbol will be marked behind the channel. Before you lock the channel you must input the correct password, the default password is 0000.
3. Press blue color key to delete the channel you selected.
4. Press red color key to pop up the window for renaming the channel you selected, press numeric keys (0-9) to input the character .



MENU INFORMATION

5. Press [Play] key to preview. Press [OK] to play the recorder in full screen as below picture.

6. Press [Pause] key to pause. Press [Pause] key repeatedly to realize the step function. Press ◀ / ▶ key to fast Forward or fast backward. Press ◀ / ▶ key to slow forward or slow backward .

6.2 HDD Information

Show you the information in windows as besides.



6.3 HDD format

Press OK at the HDD Format button to pop up the dialogue **Are you sure to format the disc?** You can select Yes or No.

6.4 PVR Setting

1. Timeshift: If you set timeshift “ On” , it will record the current channel you watch automatically. Then you can press [Pause] / [Fast Backward] / [Slow Backward] key to watch the previous program. If timeshift is “ Off” , timeshift function doesn't work. Select between ON and OFF.

2. Jump: Select among 30sec, 1min, 5min, 10min and 30min.

3. Timeshift to Record: Select between ON and OFF.

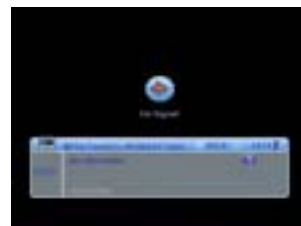


7. Hot Key

7.1 Info

Press **INFO** key to pop up the Infobar.

Press **INFO** key again to pop up the program guide of the current program. You can press ◀ / ▶ keys to know the program guide of the future 16 days.



MENU INFORMATION

7.2 EPG

Press **EPG** key to enter into the EPG window.

1. Press **PR+**, **PR-**, \swarrow \searrow keys to select up or down, left or right.

2. Press **red** colour key to pop up the Time Bar window. Press **PR+**, **PR-** keys to select up or down, while press \swarrow \searrow keys to select left or right in the time bar.

\leftarrow : Press **OK** key at this button to return to the EPG window.

\triangle : Press **OK** key at this button to move the cursor to the current time line.

\blacktriangleright : Press **OK** key to push the time forward or backward by half an hour.

$\blacktriangleleft\blacktriangleright$: Press **OK** key to push the time forward or backward by half an hour.

$\blacktriangleleft\blacktriangleright\blacktriangleright$: Press **OK** key to push the time forward or backward by a day.

3. Detail Information: In the **EPG** window, press **PR+**, **PR-**, \swarrow \searrow keys to select the channel and program, and press **OK** key to know the detail information of the current program.

4. Press **green** colour key to enter into the **Timer** window. You can add the current program to the Timer. If 8 timers are already yet, system will inform you "Timer is full!".

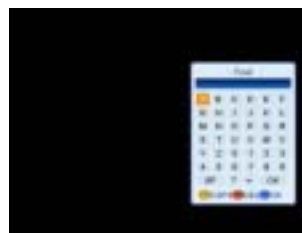
7.3 Find

Press **FIND** key on to pop up the **Find** window.

Use numeric keys to enter into the character and use the colour keys to realized the corresponding operation.

7.4 Number

Use the **numeric keys (0-9)** to input the number of the desired channel. If the inputted number is beyond the valid channel number, system will "No such a channel" and press **OK** key to close this message.



MENU INFORMATION

7.5 TV/RADIO

In normal mode, press **TV/RADIO** key to switch between TV mode and Radiomode.

7.6 Up/Down (Channel Change)

Press **PR+**, **PR-** keys to change the channel up or down. If in the all satellites group, you can select channel in all searched channels. If in the specific satellite, only can select channel in the satellite group.

7.7 Left/Right (Volume+/-)

Press \leftarrow \rightarrow keys to change the volume. Press \leftarrow keys to decrease the volume, while press \rightarrow keys to increase the volume.

7.8 Mute

Press \times key to turn off the volume. You can press \times key once again to restore the volume, or press \leftarrow \rightarrow keys to increase the volume.

7.9 Pause

During the viewing, you can press **PAUSE** key to stop the picture while the volume continues. You can play the picture by pressing **PAUSE** key once again.

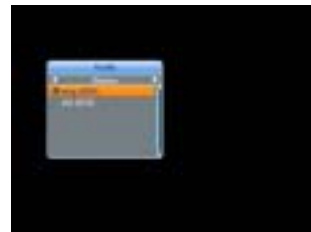
7.10 OK

1. During the viewing or listening, press **OK** key to pop up the TV program list or the Radio program list.
2. Press **PR+**, **PR-** keys to select the channel up or down, and then press **OK** key to play this channel in full-screen.
3. Press \leftarrow \rightarrow keys to select the satellite.
4. Press **MENU** or **EXIT** key to close this window.



7.11 Audio

1. Press \leftarrow \rightarrow keys to enter into the Audio window.
2. Press \leftarrow \rightarrow keys to select among Left, Right, Stereo, and Mono.
3. Changing the audio mode is only connected with the current channel, not all the channels.
4. Press **MENU** or **EXIT** key to close this window.



MENU INFORMATION

7.12 Recall

Press \leftarrow PR key to switch the current channel to the previous channel.

7.13 FAV

1. Press **FAV** key to pop up the favourite group window.
2. Press \leftarrow \rightarrow keys to select the favorite group. Press **PR+**, **PR-** keys to select the channel up or down. Press **OK** key at the selected channel to view it in full-screen. Press **MENU** or **EXIT** key to exit.
3. If there is no favorite channel, system will inform " No FAV Channel!" when you press **FAV** key.



7.14 Teletext

Press **TXT** key to open the teletext on the screen. If there is no teletext, system will inform "No TeletextData". Press **EXIT** key to exit.

7.15 Zoom

1. Press **ZOOM** key to switch among Zoom*1, Zoom*2, Zoom*3, Zoom*4, Zoom*5, Zoom*6, Zoom*8, Zoom*12, Zoom*16.
2. In zoom mode, press **PR+**, **PR-** \leftarrow \rightarrow keys to move the cursor up, left, right, down.
3. Press **MENU** or **EXIT** key to exit

TROUBLE SHOOTING

Problem	Possible causes	What to do
The display on the front panel does not light up.	Main cable is not connected.	Check that the main cable is plugged into the power socket.
No sound or picture, but the front panel shows red light.	The receiver is in standby mode.	Press the standby button.
No sound or picture.	The satellite dish is not pointing at the satellite.	Adjust the dish. Check the signal level in the Antenna Setup menu.
	No signal or weak signal.	Check the cable connections, LNB and other equipment connected between the LNB and the receiver, or adjust the dish.
	The satellite dish is not pointing at the satellite.	Adjust the dish.
	Signal is too strong.	Connect a signal attenuator to the LNB input.
Bad picture / blocking error.	Satellite dish is too small.	Change to a larger dish.
	LNB noise factor too high.	Change to an LNB with lower noise factor.
	The LNB is faulty.	Change the LNB.
The picture is not showed on the screen, when switching on.	The system is connected by RF leads.	Check the UHF channel fixed in your system and tune the UHF channel properly.
There is interference on your digital satellite channels, an existing terrestrial channel or video signal.	The system is connected by RF leads and the output channel of the receiver interferes with an existing terrestrial channels or Video signal.	Change the receiver output channel to a more suitable channel, or connect the system by SCART leads.
The RCU is not working.	Battery exhausted.	Change the batteries.
	RCU is incorrectly aimed.	Aim RCU at the receiver, or check that nothing blocks the front panel.

● **Note** : If you have tried all of the actions suggested above, without solving the problem, please contact your dealer or service provider.