



DS363 Satellite Digital TV Set-Top Box

# User Guide

(Version 01)



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# 1 Warnings and Precautions

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To use the device properly and safely, read these warnings and precautions carefully and strictly observe them during operation. Unless otherwise specified, the term "device" refers to the device and its accessories.

## Basic Requirements

- During storage, transportation, and operation of the device, keep it dry and prevent it from colliding with other objects.
- Do not dismantle the device. In case of any fault, contact an authorized service center for assistance or repair.
- Without authorization, no organization or individual can change the mechanical, safety, or performance design of the device.
- When using the device, observe all applicable laws and regulations and respect the legal rights of other people.

## Environmental Requirements for Using the Device

- Before connecting and disconnecting cables, stop using the device, and then disconnect it from the power supply. Ensure that your hands are dry during operation.
- Keep the device far from sources of heat and fire, such as a heater or a candle.
- Keep the device far from electronic appliances that generate strong magnetic or electric fields, such as a microwave oven or a refrigerator.
- Place the device on a stable surface.
- Place the device in a cool and well-ventilated indoor area. Do not expose the device to direct sunlight.
- Use the device in an area with a temperature ranging from 0°C to 45°C.
- Do not block the openings on the device with any object. Reserve a minimum space of 10 cm around the device for heat dissipation.
- Do not place any object (such as a candle or a water container) on the device. If any foreign object or liquid enters the device, stop using the device immediately, power it off, remove all the cables connected to it, and then contact an authorized service center.
- During thunderstorms, power off the device, and then remove all the cables connected to it to prevent it from getting damaged due to lightning strikes.

## **Areas with Inflammables and Explosives**

- Do not use the device where inflammables or explosives are stored, for example, in a gas station, oil depot, or chemical plant. Otherwise, explosions or fires may occur. In addition, follow the instructions indicated in text or symbols.
- Do not store or transport the device in the same box as inflammable liquids, gases, or explosives.

## **Accessory Requirements**

- Use only the accessories supplied or authorized by the device manufacturer. Otherwise, the performance of the device may get affected, the warranty for the device or the laws and regulations related to telecommunications terminals may become null and void, or an injury may occur.
- Do not use the power adapter if its cable is damaged. Otherwise, electric shocks or fires may occur.
- Ensure that the power adapter meets the specifications indicated on the device nameplate.
- Ensure that the power adapter meets the requirements of Clause 2.5 in IEC60950-1/EN60950-1 and it is tested and approved according to national or local standards.

## **Safety of Children**

Keep the device and its accessories out of the reach of children. Otherwise, they may damage the device and its accessories by mistake, or they may swallow the small components of the device, causing suffocation or other dangerous situations.

## **Maintenance**

- If the device is not used for a long time, power it off, and then remove all the cables connected to it.
- If any exception occurs, for example, if the device emits any smoke or unusual sound or smell, stop using the device immediately, power it off, remove all the cables connected to it, and then contact an authorized service center.
- Do not trample, pull, or overbend any cable. Otherwise, the cable may get damaged, causing malfunction of the device.
- Before cleaning the device, stop using it, power it off, and then remove all the cables connected to it.

- Use a clean, soft, and dry cloth to clean the device shell. Do not use any cleaning agent or spray to clean the device shell.

## **Environmental Protection**

- Do not dispose of the device and the accessories in a garbage can.
- Dispose of the device according to the local regulations on disposing of packing materials, exhausted batteries and abandoned devices, and support the recycling activity.

## 2 Packing List

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The following table lists the accessories in the product package.

No.	Item	Quantity
1	Set-Top Box	1
2	Remote control	1
3	AA batteries	2
4	Power adapter	1
5	AV cable	1
6	User Guide	1



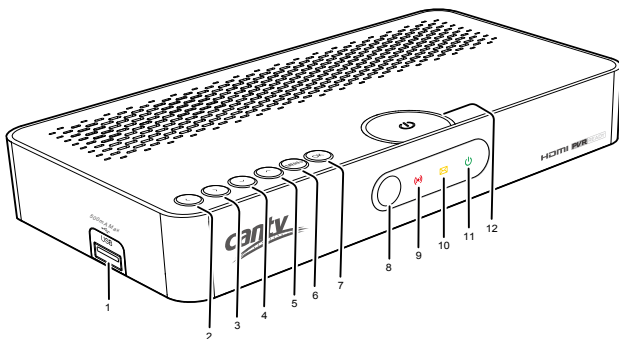
If you find any item missing or damaged, contact your service provider.

# 3 Panels



The figures of the set-top box (STB) shown in the following sections are only for your reference. The actual appearance may differ slightly from that shown depending on the product you purchased.

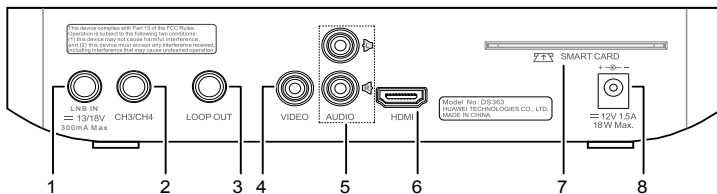
## 3.1 Front Panel



No.	Item	Description
1	USB interface	Connect a USB storage device.
2~3	Left/Right button	<ul style="list-style-type: none"><li>● Move the cursor left or right in a menu.</li><li>● Adjust the volume in the viewing mode.</li></ul>
4~5	Up/Down button	<ul style="list-style-type: none"><li>● Move the cursor up or down in a menu.</li><li>● Change the channel in the viewing mode.</li></ul>
6	MENU button	<ul style="list-style-type: none"><li>● Display the main menu in the viewing mode.</li><li>● Return to the previous screen in a menu.</li></ul>
7	OK button	Confirm a selected option.
8	Remote control signal receiver	Receive the remote control's infrared signal.
9	Remote control signal indicator	Flash red when the STB receives the remote control's infrared signal.
10	Message indicator	Turn yellow when the STB receives a message.
11	Standby indicator	<ul style="list-style-type: none"><li>● Turn green when the STB is in active mode.</li><li>● Turn red when the STB is in standby mode.</li></ul>
12	Standby button	Switch the STB between active and standby modes.



## 3.2 Rear Panel

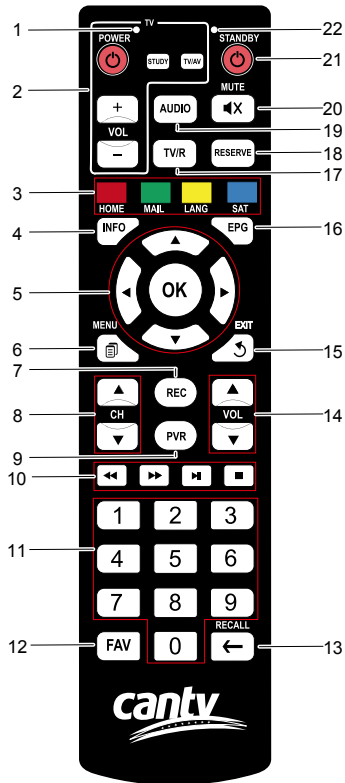


No.	Item	Description
1	<b>LNB In</b> interface	Connect a satellite antenna cable to the STB to receive satellite signals.
2	<b>CH3/CH4</b> interface	Connect the coaxial cable to the STB to send analog video signals to your TV.
3	<b>LOOP OUT</b> interface	Connect the coaxial cable to the STB to send satellite signals to another STB.
4	<b>VIDEO</b> interface	Connect the video cable to the STB to send analog video signals to your TV.
5	<b>AUDIO L/R</b> interface	Connect the audio cable to the STB to send analog audio signals to your TV or other audio devices.
6	<b>HDMI</b> interface	Connect a High-Definition Multimedia Interface (HDMI) cable to the STB to send digital audio and video signals to your TV.
7	<b>Smart card</b> slot	House a smart card that enables you to watch programs.
8	Power interface	Connect the power adapter to the STB.



- USB interface on the STB supply 500mA.
- A USB storage device using an automatic recognition program may not be recognized.
- A USB storage device which uses its own driver may not be recognized.

## 4.1 Appearance



- Upgrading the STB may lead to some changes in the functions of remote control keys. For specific functions, see the instructions provided on the user interface (UI).
- When using the STB, do not expose the STB's infrared signal receiver to direct sunlight.
- The figures of the remote control shown in this document are only for your reference. The actual appearance may differ slightly from that shown depending on the product you purchased.

## 4.2 Keys and Functions

No.	Item	Description
1	The red indicator	Flash red when you press the keys in the <b>TV learning</b> .
2	Learning keys	Learn some key features of the TV remote control.
3	Function keys	For more information about the color keys, see the instructions provided on the user interface.
4	<b>INFO</b> key	Display information available on shows.
5	<b>OK</b> key	Select (Enter) a menu or Confirm a selected option.
	Navigation keys	<ul style="list-style-type: none"> <li>● Move the cursor.</li> <li>● Adjust the volume by the left or right key.</li> <li>● Switch the channels by the up or down key.</li> </ul>
6	<b>MENU</b> key	<ul style="list-style-type: none"> <li>● Display the main menu in the viewing mode.</li> <li>● Return to the previous screen in a menu.</li> </ul>
7	<b>REC</b> key	<ul style="list-style-type: none"> <li>● Instant record the programs in living broadcast.</li> <li>● Stop recording the programs in living broadcast.</li> </ul>
8	<b>CH</b> keys	<ul style="list-style-type: none"> <li>● Go to the previous or next screen.</li> <li>● Go to the previous or next channel.</li> </ul>
9	<b>PVR</b> key	Enter the <b>Record Management</b> menu in the viewing mode.
10	Control keys	◀◀Rewind, ▶▶Fast Forward, ▶  Play/Pause, ■Stop.
11	<b>0-9</b> keys	Select channels or enter numbers.
12	<b>FAV</b> key	Favorite zap key to browse through all the favorite channels after the program banner displays.
13	<b>RECALL</b> key	Switch between the current channel and the previous channel.
14	<b>VOL</b> keys	Adjust the volume in the viewing mode.
15	<b>EXIT</b> key	Exit to the living broadcast.
16	<b>EPG</b> key	Display the Electronic Program Guide.
17	<b>TV/R</b> key	Switch between TV programs and Radio programs.
18	<b>RESERVE</b> key	Enter the booking management interface.

No.	Item	Description
19	<b>AUDIO</b> key	Switch the audio feed for the channel (when available).
20	<b>MUTE</b> key	Mute or unmute the STB.
21	<b>STANDBY</b> key	Switch the STB between active and standby modes.
22	The green indicator	Flash when you press the remote control keys (but the learning keys).

## 4.3 Learning function



- If you don't press any button or send a signal in 10 seconds, it will quit from learning mode automatically.
- There are only 4 keys in the **TV learning** with learning function. The other keys for set-top box are without learning function.
- Through the set up for learning function, the 4 learnable keys can be updated by learning other different brands TV remote control.
- This remote control can be suitable for most of television, but not all television. If you have any questions, please contact with the manufactory immediately.
- The remote control cannot learn the universal TV remote control.

(For example: Learn the **POWER** key from the TV remote control)

**Step 1** Press the **STUDY** key in the **TV learning** keypad panel continuously for 2 seconds. Until the LED gradually flash red to keep lighting, release the key.

**Step 2** Press the **POWER** key on the remote control within 10 seconds, then the red LED is flashing; it means this button is ready to receive the code.

**Step 3** Aim the emission port of the original TV remote control at the emission port of your set-top box remote control (distance between these two ports is about 2~3 cm).

**Step 4** Then press the Power key of your original TV remote control continuously for 10 seconds to transmit the learning signal.

1. If the LED will flash quickly for three times and keep lighting, it means the set-top box remote control succeeds in receiving the signal and you have completed the study procedure of the **POWER** key.
2. If the LED doesn't display the same as in step 4, which means the learning signal is not accepted by the set-box remote control, and you should repeat step 2-4.

**Step 5** Repeat the above process to learn the other three keys. Once you finished to

learn all the keys, press the **STUDY** key to save the present setting and exit the learning mode.



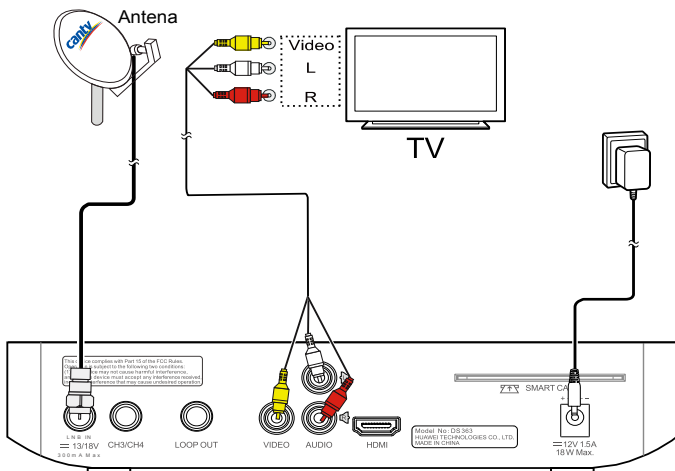
## 5 Connecting Cables



- Before connecting or disconnecting a cable, power off the STB, TV and all the devices connected to them.
- Before connecting, check that all the necessary cables are available. Then connect the cables as shown in the following figures.
- Do not plug or unplug a cable when a device is powered on.
- The figures shown in the following sections are only for your reference. The actual appearance may differ slightly from that shown depending on the product you purchased.

There are three manners to connect the STB and your TV, depends on the components that you intend to connect and the desired signal quality and the styles of your TV.

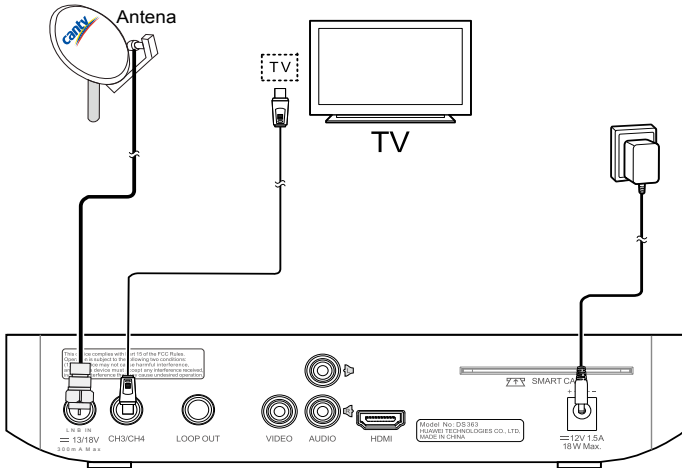
### 5.1 Using the AV Cable



- Step 1** Use a satellite antenna cable to connect a dish to the STB's **LNB in** interface.
- Step 2** Connect the AV cable's yellow, white, and red connectors at one end to the STB's **VIDEO**, **AUDIO L**, and **AUDIO R** interfaces respectively.

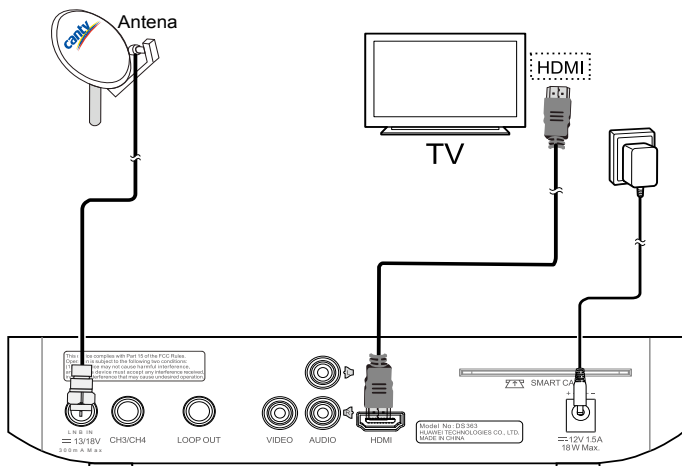
- Step 3** Connect the video and audio cable's yellow, white, and red connectors at the other end to your TV's corresponding video and audio interfaces.
- Step 4** Use the power adapter to connect the STB's **DC IN** interface to a working power socket, extension cord or surge protector.

## 5.2 Using the Coaxial Cable



- Step 1** Use a satellite antenna cable to connect a dish to the STB's **LNB in** interface.
- Step 2** Connect one end of a coaxial cable to the STB's **CH3/CH4** interface.
- Step 3** Connect the other end of the coaxial cable to your TV's **TV** interface.
- Step 4** Use the power adapter to connect the STB's **DC IN** interface to a working power socket, extension cord or surge protector.

## 5.3 Using the HDMI Cable



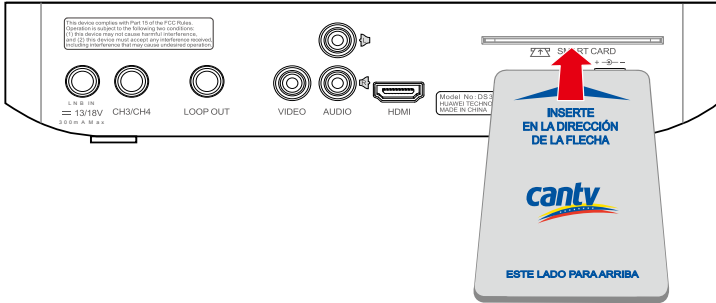
- Step 1** Use a satellite antenna cable to connect a dish to the STB's **LNB in** interface.
- Step 2** Connect one end of an HDMI cable to the STB's **HDMI** interface.
- Step 3** Connect the other end of the HDMI cable to your TV's HDMI interface.
- Step 4** Use the power adapter to connect the STB's **DC IN** interface to a working power socket, extension cord or surge protector.

# 6 Inserting the Smart Card



To prevent damage to the STB or the smart card:

- Do not insert or remove the smart card when STB is powered on.
- Do not frequently insert or remove the smart card.



**Step 1** Record the serial number that appears in the back of your smart card.

**Step 2** Call the local service providers to activate the service.

**Step 3** Insert the smart card.

Insert the smart card with the metal chip facing downwards into the smart card slot of the STB.



# 7 Main Menu Overview



## 7.1 Accessing the Main Menu

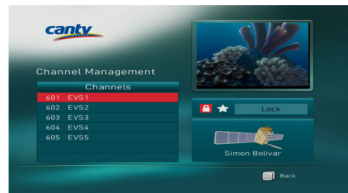
Press **MENU** to access the main menu, which includes the following sub-menus:



- **Channel Management:** manage the programs.
- **Record Management:** manage the record.
- **System Installation:** search the programs.
- **System Setup:** set up the system properties.
- **CA Menu:** set up the CA properties.
- **Information:** view detail.



## 7.2 Channel Management

1. Select the **Channel Management**.
2. Press **OK** to access the sub-menu.
3. Input the default pins(**000000**).



-  Lock the selected program.
-  Set the selected program to your favorite program.

## 7.3 Record Management

1. Select the **Record Management**.
2. Press **OK** to access the sub-menu.





Press **OK** to management the Record.

### 7.3.1 Record

When you select the **Record**, it will display the information of record list.



- Press **OK** to enter the selected file.
- Press **MENU** to return to the last viewed guide.

### 7.3.2 Scheduled

When you select the **Scheduled**, you can easily set the recording reservations for future programs.



- Press **OK** to edit the parameters of a reservation.
- Press **MENU** to return to the last viewed guide.
- Press **Function key** (red) to delete one recording reservation.
- Press **Function key** (green) to delete all recording reservations.
- Press **Function key** (yellow) to add one recording reservation.

### 7.3.3 Setting

When you select the **Setting**, you can edit the parameters of **Timeshift Size** and **Instant Skip Size**.

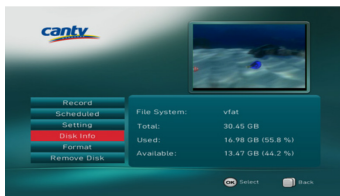




- Press **OK** to edit the parameters.
- Press **MENU** to return to the last viewed guide.
- **Timeshift Size**: set the time segment of the pause live TV (PLTV).
- **Instant Skip Size**: set the time segment of the step.

## 7.3.4 Disk Info

When you select the **Disk Info**, you can view the information of the USB storage device.



- Press **MENU** to return to the last viewed guide.
- USB storage device with capacity of more than 10 GB in order to meet the recording requirements.
- USB storage devices below USB 2.0 are supported as well. But they may not work properly.
- The system may require a longer time to read large amounts of data stored in a USB device.

## 7.3.5 Format



Be sure to back up important files since data stored in a USB storage device may be damaged. We will not be responsible for any data loss.

When you select the **Format**, you can format a USB storage device.





- Press **OK** to format a USB storage device.
- Press **MENU** to return to the last viewed guide.

## 7.3.6 Remove Disk

When you select **Remove Disk**, you can remove the USB storage device safely.



- Press **OK** to remove the USB storage device safely.
- Press **MENU** to return to the last viewed guide.

## 7.4 System Installation

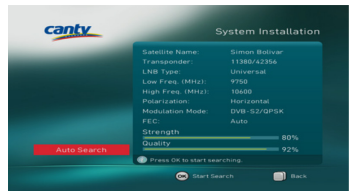
1. Select the **System Installation**.
2. Press **OK** to access the sub-menu.



Press **OK** to search for programs.

### 7.4.1 Auto Search

When you select the **Auto Search**, the STB will start search the programs automatically.





- When the frequency of signal sound becomes faster and the parameter value of quality and strength are more than 65%, then press **OK** to start search the programs.
- Press **MENU** to return to the last viewed guide.

## 7.5 System Setup

1. Select the **System Setup**.
2. Press **OK** to access the sub-menu.



Press **OK** to configure system properties.

### 7.5.1 Time Date

When you select the **Time Date**, you can view the information of the time and date.



Press **MENU** to return to the last viewed guide.

### 7.5.2 AV Setting

When you select the **AV Setting**, you can change the display mode of the output of the program by modifying the parameters.



- Press **OK** to edit the parameters the first, press **OK** to save the parameters again.
- Press **MENU** to return to the last viewed guide.

## 7.5.3 OSD

When you select the **OSD**, you can change the information of the transparency and language.



- Press **OK** to edit the parameters the first, press **OK** to save the parameters again.
- Press **MENU** to return to the last viewed guide.

## 7.5.4 Factory Reset

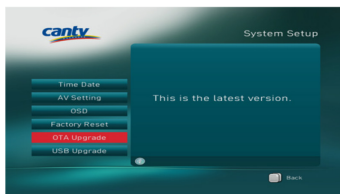
When you select the **Factory Reset**, you can restore the default settings. The default pins is **000000**.



- Press **OK** to restore the settings.
- Press **MENU** to return to the last viewed guide.

## 7.5.5 OTA Upgrade

If current version is not the latest version you can upgrade to the latest version by selecting the **OTA Upgrade**.



- Press **MENU** to return to the last viewed guide.

## 7.5.6 USB Upgrade

If you want to upgrade the software for STB through USB disk, you can select the **USB Upgrade**.



- Press **MENU** to return to the last viewed guide.
- Users or maintenance staffs who obtain the USB disk upgrade file from the local service providers could use this method to upgrade the software.

## 7.6 CA Menu

1. Select the **CA Menu**.
2. Press **OK** to access the sub-menu.



Press **OK** to configure CA properties.

### 7.6.1 Email

When you select the **Email**, you can watch the information of the Email.



- Press **OK** to show more details of the email.
- Press **MENU** to return to the last viewed guide.

## 7.6.2 Card Status

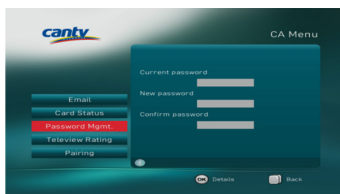
When you select the **Card Status**, you can watch the information of the Smart card.



- Press **OK** to show more details of the Smart card.
- Press **MENU** to return to the last viewed guide.

## 7.6.3 Password Mgmt.

When you select the **Password Mgmt.**, you can change the passwords.



- The password requirement is 6 digits.
- If you forget your new password, please contact the local service providers.
- Press **OK** to edit the passwords.
- Press **MENU** to return to the last viewed guide.

## 7.6.4 Television Rating

When you select the **Television Rating**, you can set the level of watching television programs.



- Press **OK** to edit the parameter.
- Press **MENU** to return to the last viewed guide.



## 7.6.5 Pairing

When you select the **Pairing**, you can view the pairing information between the smart card and STB.



- Press **OK** to start pairing.
- Press **MENU** to return to the last viewed guide.

## 7.7 Information

1. Select the **Information**.
2. Press **OK** to access the sub-menu.



Press **OK** to display details.

### 7.7.1 System Info

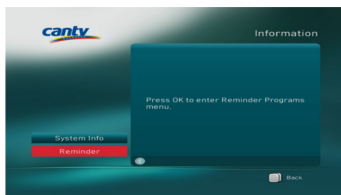
When you select the **System Info**, you can view the information of STB.



Press **MENU** to return to the last viewed guide.

## 7.7.2 Reminder

When you select the **Reminder**, you can view the TV programs that you have reserved.



Press **MENU** to return to the last viewed guide.

# 8 Basic Operations



## 8.1 EPG

### 8.1.1 Program Guide

Press **EPG** to display the program guide that provided scheduling information for upcoming programs in a week on full screen with no banner.



- Press **Function key** (red) to view programs in previous day.
- Press **Function key** (green) to view programs in next day.
- Press **Function key** (yellow) to reserve the program.
- Press **OK** to play the program.

### 8.1.2 Setting a Reminder

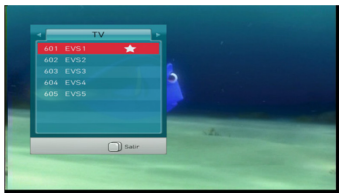
1. Press **EPG** to enter the EPG interface.
2. Press **▲**, **▼**, **◀** or **▶** to highlight an upcoming program in the program guide or the program banner.
3. Press **OK** reserve the program.



Press **OK (Select)** to show the details of the program.

## 8.2 Viewing the Program Information Banner

Press **INFO** to display the program information banner and view program information on full screen with no banner.

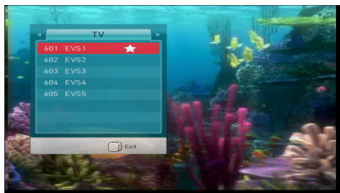




For more information of the currently program please press **INFO** twice.

## 8.3 Displaying the program list

Press **OK** to display the program list on full screen.



If you set favorite programs, press ◀ or ▶ to switch to the list of favorite programs.

## 8.4 Recording and playback

### 8.4.1 Recording the program



- Please use only the USB storage device which was formatted with FAT32 file system.
- Please do not frequently plug or unplug the USB storage device.
- Some USB storage devices may not be supported or operated smoothly.
- Please connect the power cable to a USB storage device which requires an external power supply. If not, the device may not be recognized.
- Please connect a USB storage device with the cable offered by the device maker. If not, the device may not be recognized.
- Please do not disconnect directly the USB storage device while recording or playing back. If do this, the stored files or the USB storage device may be damaged.
- Programs can only be played with the STB where they were recorded.

Press **REC** to instantly record the current program.



- Press **OK** to save the edited parameter, then starts recording the program.
- Press **MENU** to exit the setting interface, then you can watch TV.
- Please prepare a dedicated USB storage device to store recorded programs for the STB, we do not recommend that you use it to connect to a computer or other devices.
- You can record programs using the STB even when it is in standby mode.

## 8.4.2 Playback

Press **MENU** to enter the main menu, then select **Record Management > Record**.

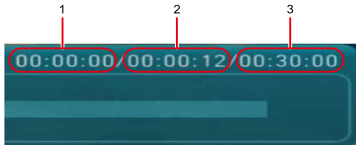
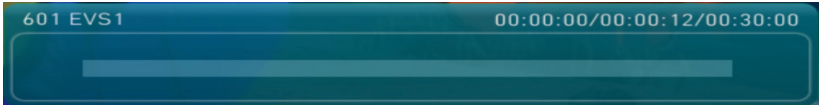


- The STB may require a longer time to read large amounts of data stored in a USB storage device.
- If the USB storage device does not work properly, you can restart STB. How fast a USB storage device is detected differs from device to device.
- We cannot guarantee compatibility (operation or bus power) with all USB mass storage devices when connected to the STB.

## 8.4.3 Time shift

Time shift is a service enabling you to freeze live TV and continue watching it later from the exact point you paused.

Press **⏸** to freeze live TV. Then press **⏪** to continue watching TV again.



- 1 Play time
- 2 Present time of time shift
- 3 Total time of time shift



- The STB may require a longer time to read large amounts of data stored in a USB storage device.
- If the USB storage device does not work properly, you can remove it safely then reconnect it again. How fast a USB storage device is detected differs from device to device.
- We cannot guarantee compatibility (operation or bus power) with all USB mass storage devices when connected to the STB.

# 9 Troubleshooting



The following table lists the common STB problems and their possible causes and solutions.

Problem	Possible Cause	Solution
The standby indicator on the front panel does not turn on.	The power adapter is not correctly connected.	Correctly connect the power adapter to the STB, and then plug the power adapter into a power outlet.
There is no audio or video when the STB is powered on.	The video and audio cable is not correctly connected.	Use the video and audio cable to connect the STB to your TV correctly.
	The antenna is not correctly connected.	Correctly connect the antenna.
	The TV is powered off.	Power the TV on.
	The HDMI cable is not correctly connected.	Correctly connect the HDMI cable.
	The STB is in standby mode.	Press the <b>STANDBY</b> key on the STB's remote control.
When the STB is powered on, there is no signal.	The STB cannot receive satellite signals.	Correctly connect the antenna cable. If the problem persists, change the cable.
		Adjust the location of the antenna by following the instruction.
The remote control does not work.	No battery is installed in the remote control, or the batteries in the remote control have run out of power.	Correctly install batteries in the remote control. If the problem persists, change the batteries.
Pop-up Tip: the password is incorrect	Forget the new password.	Please contact the local service provider.
Pop-up Tip: not authorized	The smart card not authorized currently viewing the program.	Please contact the local service provider.
Pop-up Tip:	Televue Rating of the	Please change the Televue

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
Television Rating is not enough	smart card is set too low.	Rating.
Pop-up Tip: STB is not in working hours	The time is not on the working hours of smart card.	Please change the working hours of the smart card.
STB automatically enter the upgrade interface When you open STB.	The software of STB has been damaged	Please contact the local service provider.
The language of television programs is not the native language (multi-language programs)	The language setting is not the correct.	Press <b>LANG</b> to change the language.
The video quality is poor.	Signal loss by the cable.	Install the antenna in a place free of obstacles. Keep the power and the antenna cable for the satellite apart from each other. Check the signal level, and adjust the antenna position if the level is too low. <b>NOTE</b> The signal level may be affected by weather conditions.
Less channels in scanning.		
Cannot use the USB storage device.	Incompatible or not connect right.	Restart the STB.
		Format the USB storage device on the STB.
Cannot record programs.	The USB storage device is full.	Delete unnecessary programs and make space for new recording.
	Check if recording is conflicted with another channel.	Stop the current recording or wait until the recording is finished.



# 10 Specifications

The product specifications are subject to changes without notification.

## Tuner and Demodulator

Parameter	Specifications
Input Frequency Range	950 MHz to 2150 MHz
RF Input Signal Level	-25 dBm to -65 dBm
RF Impedance	75 $\Omega$
LNB Power	13/18 V DC, Max 350 mA
LNB Tone Switch	22 kHz +/-2kHz, 0.6 Vpp +/-0.2 V
Demodulation	DVB-S (QPSK) & DVB-S2 (QPSK, 8PSK)
Symbol Rate	DVB-S (1 Ms/s to 45Ms/s) DVB-S2 (5 Ms/s to 33Ms/s)

## MPEG Transport Stream A/V Decoding

Parameter	Specifications
Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Video	MPEG-2 MP@ML, H.264/AVC
Audio	MPEG-1/2 Audio Layer 1, 2 MPEG2 AAC MPEG4 AAC+ HE
Aspect Ratio	4:3 or 16:9
Active Pixel	720 $\times$ 480i, 720 $\times$ 480p, 1280 $\times$ 720p, 1920 $\times$ 1080i
Audio Mode	Stereo
Audio Sampling Frequency	32/44.1/48 kHz

## Connector

Port	Specifications
LNB IF Input	F-type (IEC 60169-24), Female connector

Port	Specifications
Video	RCA (CVBS)
Audio	RCA (Audio L,R)

## Environmental

Parameter	Specifications
Input Voltage	DC- IN 12V (Power Adapter)
Power Consumption	< 24W
Dimension (L × W × H)	About 248 mm × 132 mm × 45 mm
Weight	About 0.572 kg
Working Temperature	0°C to 45°C
Working Humidity	5% to 90%, non-condensing

## Smartcard Interface


Parameter	Specifications
Smartcard Slot	1-Slot, ISO 7816

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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:

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

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