



SmartTV Set Top Box

## **User Guide**

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# 1 EC1309V2

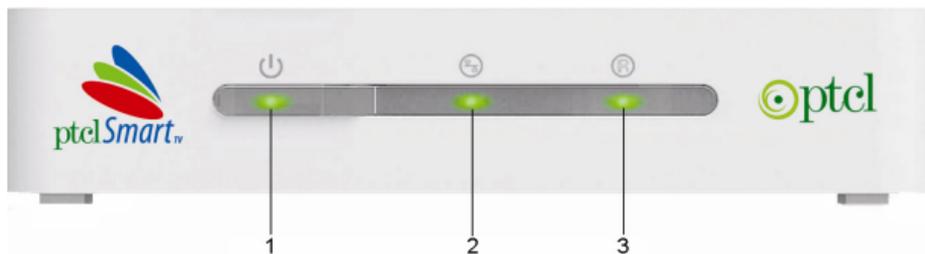
## Items in the Packaging Box

No.	Item		Quantity
1	STB		1
2	Remote control		1
3	Battery		2
4	Power adapter		1
5	Audio/video cable		1
6	RJ45 cable		1
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## Appearance



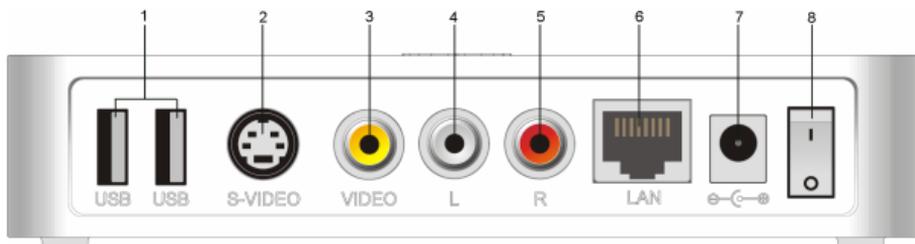
## Front Panel



-  Power indicator.
  - If the indicator is in green, it indicates that the STB is in active mode.
  - If the indicator is in red, it indicates that the STB is in standby mode.
-  Link indicator.
  - If the indicator is in green, it indicates that the STB is connected to the network.
  - If the indicator is in red, it indicates that the STB is disconnected from the network.
-  Infrared indicator.

If the indicator blinks, it indicates that the STB is receiving signals from the remote control.

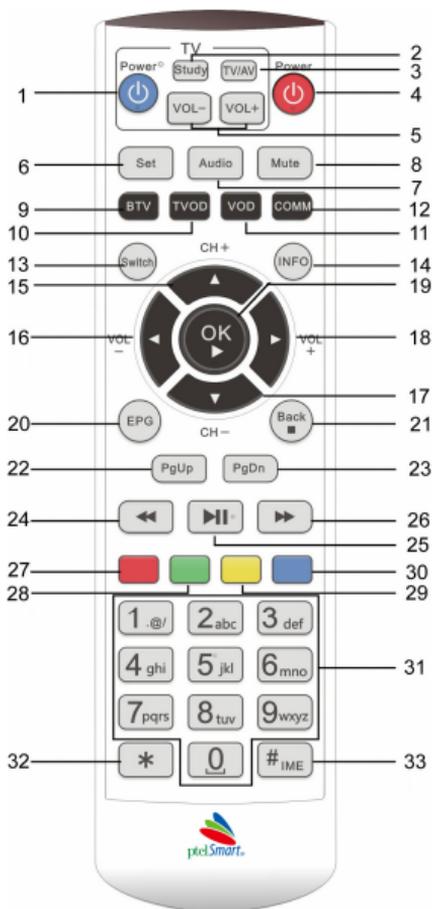
## Rear Panel



No.	Name	Description
1	 USB	USB 2.0 port, allow optional features as requested by operator.

No.	Name	Description
2	 S-VIDEO	Port for connecting to S-Video input port of a TV.
3	 VIDEO	Port for connecting to Composite video input port of a TV.
4	 L	Port for connecting to left audio channel input port of a TV.
5	 R	Port for connecting to right audio channel input port of a TV.
6	 LAN	10/100M Base-T port for connecting to service provider's Ethernet port on wall or on xDSL modem.
7	 	DC input port (DC 12V 1A).
8		Power switch.

## 2 Remote Control



No.	Key	Description
1		Switch the status of TV Set between working and standby.
2		Study the functions of a TV remote control. For details, see Instructions for Studying Key Functions.
3		Switch the video output of a TV between AV and TV.
4		Switch the status of STB between working and standby.
5		Adjust the volume of a TV.
6		Access the setting page.
7		Switch between audio channels.
8		Mute or unmute audio.
9		Shortcut to Live TV channel list.
10		Reserved key (defined by EPG).
11		Access the VOD main page.
12		Reserved key (defined by EPG).

No.	Key	Description
13		Switch key (defined by EPG).
14		Display the information about the current program.
15/17		<ul style="list-style-type: none"> <li>• Change channels.</li> <li>• Move the cursor upward and downward on the EPG.</li> </ul>
16/18		<ul style="list-style-type: none"> <li>• Control sound volume.</li> <li>• Move the cursor leftward and rightward on the EPG.</li> </ul>
19		Confirm an operation.
20		Access the EPG homepage.
21		Access the previous page.
22/23		Switch to the previous/next page.
24		Fast rewind a program.
25		Play or pause a program.
26		Fast forward a program.

No.	Key	Description
27		Reserved key (defined by EPG).
28		Reserved key (defined by EPG).
29		Reserved key (defined by EPG).
30		Reserved key (defined by EPG).
31		Enter digits, letters, and characters.
32		Reserved key (defined by EPG).
33		Switch between text input methods.

## Instructions for Studying Key Functions

### Overview

Your Set Top Box (STB) remote control is able to study the functions of keys on your TV remote control. This allows you to control both your STB and TV by using your STB remote control.

Only the keys on the TV study keypad on your STB remote control are used for studying the functions of keys on your TV remote control. The other keys on your STB remote control are used for controlling the STB.

There are five keys on the TV study keypad:

- Study

This key is used for enabling the STB remote control to enter the study mode.

- TV/AV, VOL+, VOL-, and Power

These keys are used for studying the functions of keys on your TV remote control.

The functions of all keys on your TV remote control can be studied. It is recommended that the functions of the TV/AV, VOL-, VOL+, and Power keys on your TV remote control be studied.

## Procedure

Assume that you want your STB remote control to study the function of the Power key first on your TV remote control. The procedure is as follows:

**Step 1** Hold down **Study** on the TV study keypad on your STB remote control for 3 seconds until the indicator next to the **Power** key on the TV study keypad is steady on.

Your STB remote control enters the study mode.

**Step 2** Hold down **Power** on the TV study keypad on your STB remote control for 1 second.

The indicator blinks, which indicates that your STB remote control is ready for receiving a signal.

**Step 3** Aim the emission port of your TV remote control at the emission port of your STB remote control, and hold down Power on your TV remote control for 3 seconds to send a signal.



The distance between the two ports must be within 3 cm.

- If the indicator quickly blinks three times and then is steady on, your STB remote control has received the signal and the study of the Power key function is complete.
- If the indicator does not respond in the preceding way, your STB remote control has failed to receive the signal. Repeat steps 2 and 3.

**Step 4** Repeat steps 2 and 3 to study the functions of the other three keys (TV/AV, VOL+, and VOL-).

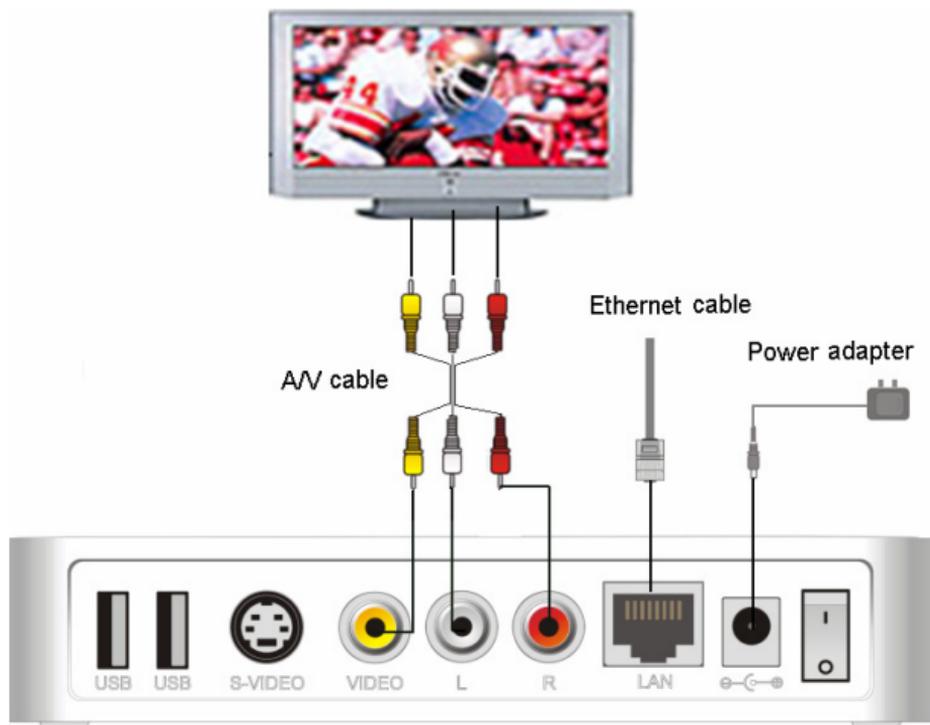
**Step 5** Press **Study** to save the settings and to exit the study mode. After that, you can control your TV by using the four keys (**Power**, **TV/AV**, **VOL+**, and **VOL-**) on the TV study keypad on your STB remote control.



- If no signal is received within 10 seconds after your STB remote control enters the study mode, the study mode exits automatically.
- The keys on the TV study keypad can be used for studying the functions of keys on your TV remote controls of various brands. Only key functions that are last studied are saved.
- If you have trouble using your STB remote control to control your TV after performing steps 1 to 5, verify that your STB remote control is working properly.

## 3 Use STB for the First Time

### Connecting the Cables



The steps for cable connection are as follows:

- Step 1** Use the audio cable to connect the audio output ports of STB (Audio L and Audio R) with the corresponding audio input ports of the TV.
- Step 2** Select one of the following methods to connect the video cable:
1. Use the video cable to connect the VIDEO ports of STB with the video input ports of the TV.
  2. Use the S-Video cable to connect the S-VIDEO port of STB with the S-Video input port of the TV.
- Step 3** Use Ethernet cable to connect the WAN port of STB with a 10/100M Base-T Ethernet port or with the Ethernet port of the xDSL Modem.
- Step 4** Insert the power plug of STB into the power socket.

## Starting the EC1309V2

The procedure for starting the STB is as follows:

- Step 1** Make sure that the network has been correctly connected and is properly working.

**Step 2** Turn on the TV, and then change the signal input mode to a correct mode such as AV, or HDMI.

For example, if the default input signal type of the TV is HDMI and the STB is connected to the TV through an AV cable, you need to adjust the input mode of the TV to AV.

**Step 3** Press the power switch on the rear panel of the STB.



The method of selecting a signal input mode varies according to TV vendor and model. For details, see the corresponding instructions in the user guide of the TV.

## 4 FAQs

Problem	Possible Cause	Solution
The indicators of the STB are off and the STB cannot be powered on after you press the Power button on the rear panel.	The STB is powered off.	Check whether the power cable is properly connected and the <b>Power</b> button on the rear panel is in the ON position.
		Check that the power socket on the wall or the extension cord functions properly and that the socket is not blocked by something.

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
No video is displayed on the TV screen.	The video cable is not properly connected.	Check whether the video cable and network cable are properly connected. For details, see Connecting the Cables.
	The STB is powered off.	Check whether the STB is powered on.
	The TV set is turned off or in the standby state.	Check whether the TV set is turned on and switch it to the AV mode.
No audio is heard.	The audio cable is not properly connected.	Check whether the audio cable is properly connected. For details, see Connecting the Cables.

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
	The TV set or the STB is in mute mode or the volume is very low.	Switch the TV set and the STB to the audible mode and increase the volume.
The remote control of the STB does not work properly.	The remote control is far away from the STB.	Move the remote control to a workable distance.
	The batteries of the remote control need to be replaced.	Replace the batteries.
No EPG page is displayed on the TV screen.	The network connection is incorrect.	Check the network connection. For details, see Connecting the Cables.
	The configuration of the STB is incorrect.	Please re-configure STB.

Problem	Possible Cause	Solution
Black-and-white images are displayed after startup.	The video cable is in poor quality or is not properly connected.	Reconnect or replace the video cable.
	The TV standard of the TV set does not match the TV standard set on the STB.	Use the remote control of the TV set to change the TV standard of the TV set to AUTO.



If the problem(s) remains or if the problem(s) does not fall into the categories mentioned above, please contact your service provider for help.

## 5 Specifications

Item	Specification
Input voltage	100–240 V AC, 50 Hz or 60 Hz, 0.5 A Max
Power supply	external 12 V, 1 A DC power supply
Power consumption	< 7 W
Environment requirements	Operating temperature: 0°C to 40°C (32°F to 104°F)
	Operating humidity: 10% to 90%
	Storage temperature: -20°C to 70°C (-4°F to 158°F)
	Storage humidity: 5% to 95%
Dimensions (H x W x D)	30 mm x 150 mm x 95 mm (1.18 in. x 5.91 in. x 3.74 in.)
Weight	0.3 kg (0.66 lb)

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