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Introduction

About this manual

This user's manual introduces the usage of OV-IP7150, and provides detail guide on specific technical issues.

This manual is provided by Ovislink(Canada) Inc.

The network configuration for the OV-IP7150 accessing to network will be provided by the network operator, and the configuration relevant to features and functions of OV-IP7150 will be provided by service provider.

About OV-IP7150

OV-IP7150 is the terminal appliance connected to internet, for accessing services and applications of service provider, include IP based digital TV (IPTV) and Video on Demand (VOD). Following this manual, after connecting cables of OV-IP7150 to your internet port and TV, you will be able to relax in front of TV and enjoy the abundant entertainment programs and services from your service provider, by simply clicking keys on the easy to use remote control.

Function of OV-IP7150

OV-ip7150 IP STB enables home entertainment services, includes but not limited:

- IP digital TV
- Video on Demand

In order to use these function, you need to access into Internet and become to the registered subscriber of Telco company and service provider

OV-IP7150 IP Set-Top Box

STB and Fittings

OV-IP7150 IP STB Fittings (Figure 1)

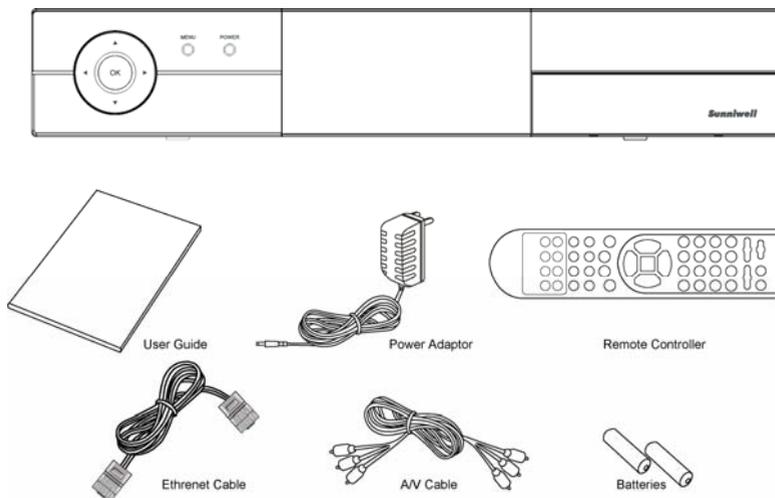


Figure 1

Front Panel

Front Panel of OV-IP7150 (Figure 2)

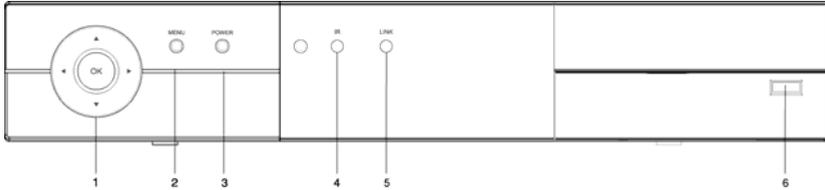


Figure 2

Table 1 From the left to the right of this Panel:

Item	Name	Description
1	Navigation Key /OK Key	Use navigation key to chose the item on the screen then press "OK" key to confirm
2	Menu	Button for accessing GUI of service provider
3	Power	Power Switch ON/OFF
4	IR LED	Flicking Green indicating the data transmission when receives command from front panel button or IR remote control
5	Link LED	Green indicates networks connecting, flicking when STB in upgrade status
6		USB2.0 Port

Rear Panel

Rear panel of OV-IP7150 (Figure3) .

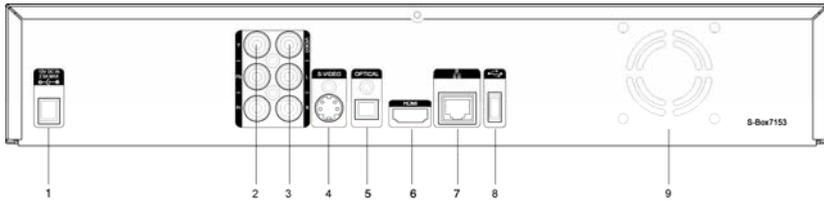


Figure 3

Table 2 I/O ports of OV-IP7150

Item	Name	Description
1	Power supply port	Power input port DC 12V/2.5A
2	YPbPr	YPbPr video output
3	Video	Composite video output
	Audio (L/R)	Analog audio output (L-Channel, R-Channel)
4	S-Video	S-Video output
5	Optical	S/PDIF output
6	HDMI	HDMI video output
7		Connect with service provider's Ethernet or ADSL port
8		USB2.0 Port
9	Fan	Cooling fan

Installation

This section describes how to set up cable connections of OV-IP7150. For software and other parameter configuration, please refer “User’s Manual of IPTV Subscriber”

Power supply

OV-IP7150 use power adaptor unit with input power of AC 110V-240V 50/60Hz, and output power of DC12V/2.5A.

Please connect the power supply cable after finishing the following Ethernet and AV cable connection.

Cable connection

Figure 4 Illustrate typical cable connection of OV-IP7150.

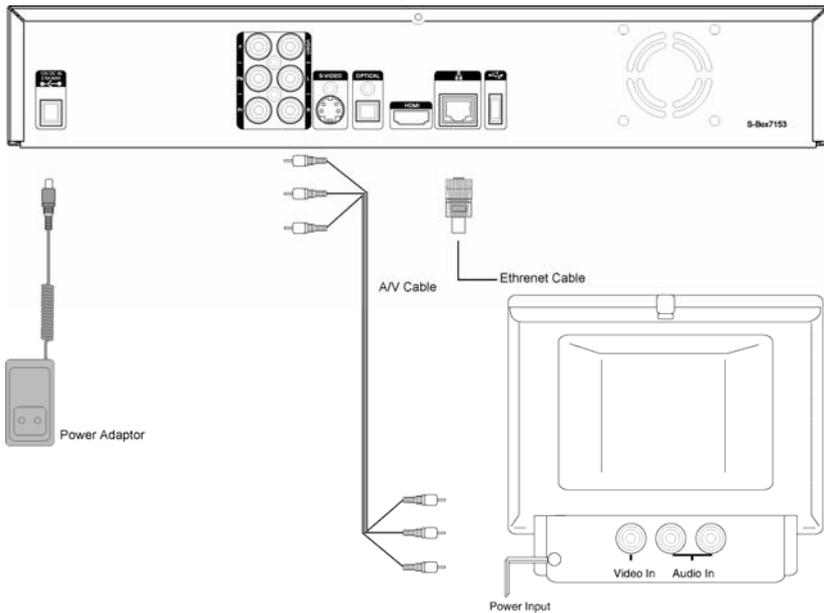


Figure 4

Please follow the following procedure to set up cable connection (also please refer Section of Real Panel) :

1. Ethernet connection: Use the Ethernet cable (accessory in the OV-IP7150 package), one end connects to the Ethernet port of OV-IP7150 (WAN port on back panel, as show in Figure 3), the other end connects to Ethernet port of service provider, e.g. wall mounted Ethernet port, or Ethernet output port of ADSL model or hub, switch, router, etc., these equipment should be able to support the IPTV services of the network operator or service providers).
2. OV-IP7150 to TV cable connection: OV-IP7150 can be connected to TV via C/R/L cables or SCART cable (depends on socket availability of your TV). Select appropriate cable, connects one end to ports on rare panel of OV-IP7150, and the other end to relevant socket of TV (as shown in Figure 4).

Remote Control

Diagram

Figure 5 is remote control diagram of OV-IP7150. Each key's function is described in next section.

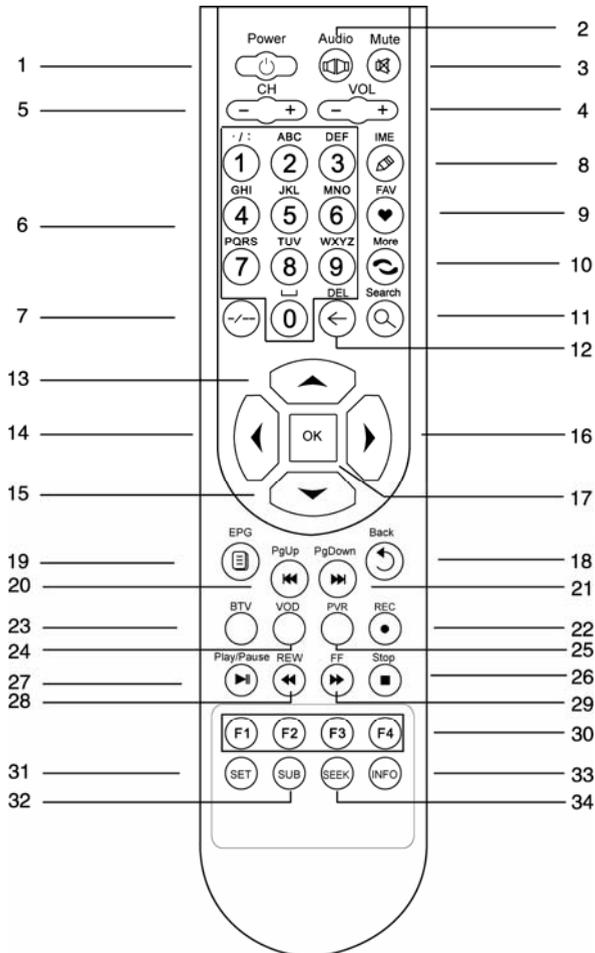


Figure 5

Key Function

Table 3 illustrates function of each key of remote control, please pay note:

1. Each key's function may vary in different applications, some of the functions are only available in certain application;
2. Service provider may provide some keys displayed on TV screen (soft key), please use navigation and "Ok" keys on remote control to make selection on TV screen. Some of the soft key may not be found on remote control. Please also refer the "IPTV Subscriber's Manual)

Table 3 Remote Control Key Function of OV-IP7150

No.	Name	Function
1	Power	Shift the OV-IP7150 between working status and standby status.
2	Audio	Change audio channel.
3	Mute	Mute/resume the audio.
4	VOL	Control the volume.
5	CH - /+	Change channels.
6	Number keys	Select channels or enter digits/characters.
7	-/--	Switch digits for channels in live broadcasting status.
8	IME	Switch the input method.
9	FAV	<ul style="list-style-type: none"> • Set a channel as your favorite. • Display the favorite channels.
10	More	Display the interactive information page. This page includes links to information and games.
11	Search	Display the home page for searching channels. (Currently you can press this button to display the VOD program search page.)
12	←	Backspace and delete.
13	Up	<ul style="list-style-type: none"> • Move the cursor upward in EPG, or • Turn to next channel of living broadcasting.
14	Left	<ul style="list-style-type: none"> • Move the cursor leftward in EPG, or • Reduce sound volume of a playing program.

No.	Name	Function
15	Down	<ul style="list-style-type: none"> Move the cursor downward in EPG, or Turn to previous Channel of living broadcasting:
16	Right	<ul style="list-style-type: none"> Move the cursor rightward in EPG, or Increase sound volume of a playing program.
17	OK	Confirm an operation.
18	Back	<ul style="list-style-type: none"> Return to the previous menu during the EPG browse. Return to the home page of VOD when playing VOD programs. Return to the previous channel when watching TV programs. Return to the TV broadcasting status when watching time shift programs. Return to the home page of PVR when playing PVR programs.
19	EPG	Display the network EPG menu.
20	Pg Up	Scroll to the previous page of a menu.
21	Pg Down	Scroll to the next page of a menu.
22	REC	Recode the programs into Hard Disk Driver
23	BTV	Short cut key, press this key to fetch the last IPTV channel, or the first IPTV Channel. Last channel will be stored in OV-IP7150 when it is powered off.
24	VOD	Display the EPG interface of VOD programs.
25	PVR	Display the EPG interface of PVR programs
26	Stop	<ul style="list-style-type: none"> Exit from a VOD program. Exit the current channel and return to the TV EPG interface or the channel/program selection interface from a playing TV program.
27	Play/Pause	<ul style="list-style-type: none"> In VOD mode: Press this button once to pause a playing VOD program. Press this button again to resume the program. In IPTV mode: Press this button once to shift a playing TV program to time shift mode. Press this button again to play the time shift program. Please refer the indication message displayed on TV screen. In PVR mode: Press this button once to pause a playing PVR program. Press this button again to resume the program.

No.	Name	Function
28	REW	<ul style="list-style-type: none"> • Fast backward a VOD program. • Fast backward a time shift program. • Shift a playing TV programs to the time shift mode. • Fast backward a PVR program.
29	FF	<ul style="list-style-type: none"> • Fast forward a VOD program. • Fast forward a time shift program. • Fast forward a PVR program.
30	F1, F2, F3, F4 shortcut buttons	Use these buttons according to the indication displayed on the TV interfaces.
31	SET	Display the system management interface when the OV-IP7150 is in the working status.
32	SUB	Switch the language of captions.
33	INFO	Display the information of the current program.
34	SEEK	Position the playing of a VOD/time shift program according to the time schedule.

Battery Install & Remove

OV-IP7150 remote control needs two AAA batteries to work. Battery life depends on time and frequent use of the remote control.

Please install batteries on back side of remote control, as shown in Figure 6. Please ensure batteries are installed appropriately.

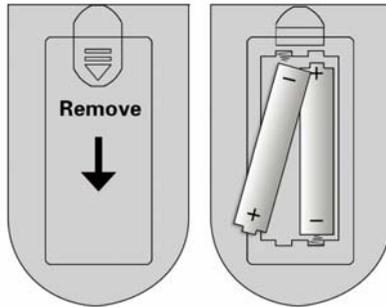


Figure 6

Please note:

Aged batteries must be replaced with new ones;

Poles of batteries must be in correct position;

Used batteries must be disposed appropriately according to the local environment regulations,

Do not recharge the batteries unless they are rechargeable;

Do not use batteries with different brand or life time in same remote control.

Safety Suggestion

OV-IP7150 compliance with safety rules and regulations, however, user should be careful when use OV-IP7150:

Place OV-IP7150 in safe and stable place;

Only use the power supply unit as in accessories of OV-IP7150.

Input power supply must be in range as stated on the label of power adaptor;

Do not connect power supply before finishing other cable connections;

Do not use extension power cable or overload the power adaptor that may result fire accident;

Wearied power adaptor must be replaced;

Confirm appropriate power and cable connection before power on OV-IP7150;

Do not use or store OV-IP7150 in extreme environment such as high humidity, high/low temperature, dusty;

Do not place any liquid material on OV-IP7150;

OV-IP7150 can only be cleaned with dry cloth, do not use water or any other liquid to clean it.

When you enjoy the entertainment via OV-IP7150, please note:

Keep safe distance to TV;

Rest 10 minutes every one hour;

Do not be over tired in front of TV.

Troubleshooting

Fail message may display on TV screen please refer the guide provided by your service provider.

General failure

Power supply LED dark

Possible reasons:

Power supply disconnected or OV-IP7150 is power off.

Solutions:

- 1) Please check power supply is connected appropriately;
- 2) Please check power supply key on OV-IP7150 or remote control.

Remote control does not work

Possible reasons:

- 1) Remote control is not pointed to IR receiver of OV-IP7150;
- 2) Remote control is too far from OV-IP7150;
- 3) Barrier between remote control and OV-IP7150;
- 4) Batteries of remote control expired;

Solutions:

- 1) Point RC to OV-IP7150, IR receiver LED on OV-IP7150 will flick when IR signal come in;
- 2) Use remote control within 4 meters from OV-IP7150;

- 3) Move away the barrier;
- 4) Change new batteries of remote control.

Input account or password, TV screen show message of invalid account

Possible reasons:

Wrong user's name or password.

Solutions:

Check and re-input user's name or password.

TV screen show message like video stream not accessible

Possible reasons:

Network bandwidth is not enough or video content is not available;

Solutions:

Please check with network operator and/or service provider.

Network Connection

For problem of network connection, please also refer section of "Installation" and "Cable connection".

After OV-IP7150 being switched on, TV screen show message of network cable disconnected

Possible reasons:

- 1) Ethernet cable connection lost;
- 2) Network device (ADSL modem, switch, etc.) failed

Solutions:

- 1) Check and confirm Ethernet cable connection;
- 2) Check network device working

After OV-IP7150 booting up, TV screen show message of network unavailable

Possible reasons:

OV-IP7150 can not get IP address by Network fails

Solutions:

Check network device (ADSL modem, Switch, etc.) in working status, which should be configured appropriately (e.g. account, password, and other network settings).

OV-IP7150 can playback VOD program, but can not playback IPTV program

Possible reasons:

Network fails

Solutions:

Please check with network operator and/or service provider

Video/Audio problem

For problem of video/audio, please also refer section of “Installation” and “Cable connection”.

No picture on TV screen

Possible reasons:

Video cable disconnects to OV-IP7150 or TV, or TV not works

Solutions:

Check video cable connection between OV-IP7150 and TV, check working status of

TV and set TV in AV mode.

No audio or low sound volume

Possible reasons:

- 1) Audio cable disconnects to OV-IP7150 or TV
- 2) Sound volume of TV is set at low level or mute

Solutions:

- 1) Check audio cable connection between OV-IP7150 and TV
- 2) Turn on sound volume of TV.

Video freeze, pause or with mosaic

Possible reasons:

Network in busy or bad quality

Solutions:

Reconnect Ethernet cable or chose other time to watch IPTV program

Others

OV-IP7150 can not boot up or continue upgrade

Possible reasons:

OV-IP7150 is powered off during upgrade process, or upgrade can not finish on network.

Solutions:

Check with network operator and/or service provider, upgrade manually via USB port.

Note

OV-IP7150 basic specifications:

Colour: Silver

Dimension L×H×W (mm) : 360×60×260

Power adaptor:

Input: AC110-240V, 50-60HZ,

Output: DC 12V, 2.5A

Power consumption: <10W (exclude power consumption of USB devices)

Gross Weight: 4Kg (include accessories and package)