

BD-IPTV08 IPTV Gateway Server

User's Manual



DIRECTORY

CHAPTER 1 PRODUCT OUTLINE	1
1.1 Outline	1
1.2 Features	1
1.3 IP Protocol Conversion	2
1.4 General Principle Chart	2
1.5 Specifications	2
1.6 Appearance and Description	3
CHAPTER 2 INSTALLATION GUIDE	4
2.1 Acquisition Check	4
2.2 Installation Preparation	4
2.3 Wire's Connection	6
CHAPTER 3 WEB NMS OPERATION	7
3.1IPTV Gateway	7
3.1.1 Login	7
3.1.2 Operation	8
3.2IPTV System (Hotel Version)	17
3.2.1 Login	17
3.2.2 Operation	17
CHAPTER 4 TROUBLESHOOTING	36

Chapter 1 Product Outline

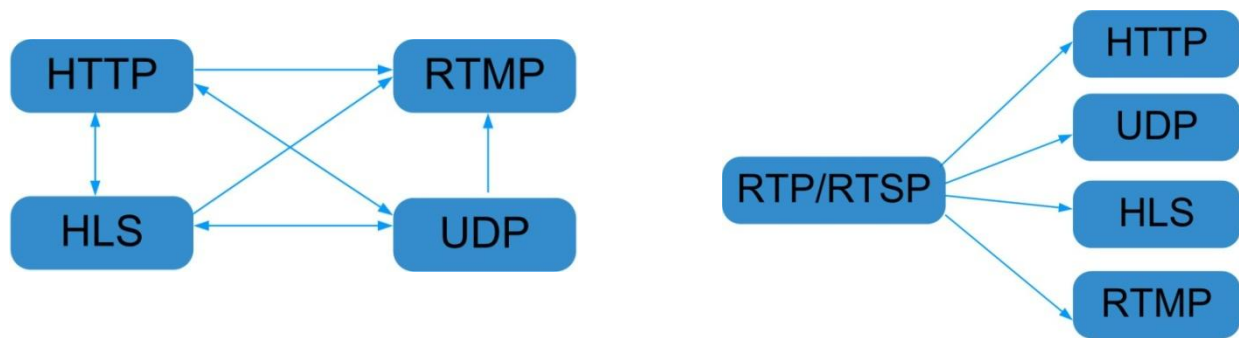
1.1 Outline

Baudcom BD-IPTV08 IPTV Gateway Server is the newest device which combined with IP Gateway and IPTV server in one unit. It is used for the protocol conversion scenarios and streaming media distribution scenarios. It can convert the broadcast network IP stream over HTTP, UDP, RTP, RTSP and HLS and TS file into HTTP, UDP, HLS and RTMP protocol. In addition, it integrates IPTV system and users can upload VOD source on it with huge memory. In conclusion, this full function device makes it ideal for small CATV head end system, especial in hotel TV system...

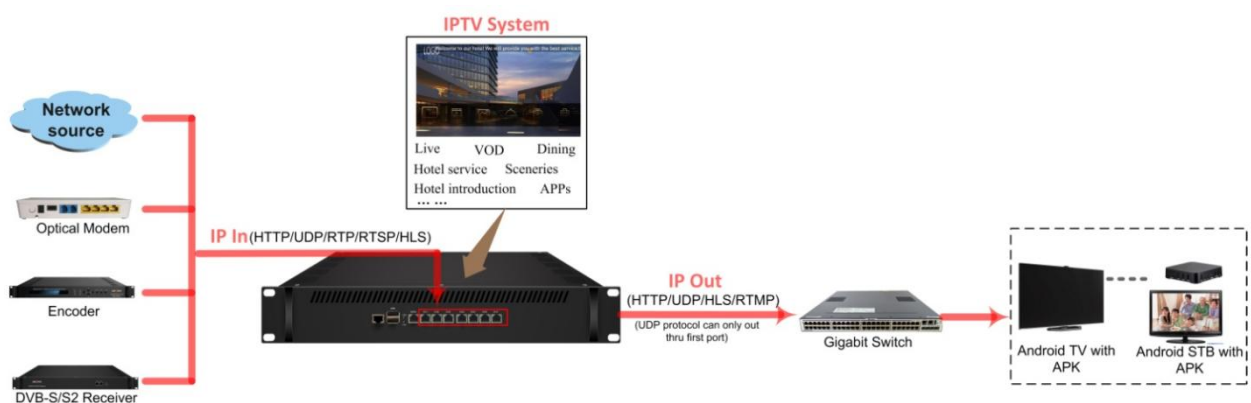
1.2 Features

- **IP Gateway + IPTV server in one device**
- **Manage gateway and IPTV server separately**
- **HTTP, UDP, RTP, RTSP and HLS in→HTTP, UDP, HLS and RTMP out**
- **IPTV Functions: Live channel, VOD, Hotel intro, Dining, Hotel service, Scenery intro, APPS, and so on**
- **Adding scrolling caption, welcome words, pictures, advertisement, video, music in main interface**
- **TS files uploading through Web management**
- **IP anti-jitter function**
- **Downloading Baudcom IPTV APK directly from this device**
- **Support program playing with APK downloaded android STB and TV**
- **Control via web-based NMS management through DATA port**

1.3 IP Protocol Conversion



1.4 General Principle Chart



1.5 Specifications

IP Input	DATA CH 1-7(1000M) ports: IP input over HTTP, UDP(SPTS), RTP(SPTS), RTSP (over UDP, payload: mpeg TS) and HLS	
	TS files uploading through Web management	
IP output	First Data port (1000M): IP out over HTTP (Unicast), UDP(SPTS, Multicast) HLS and RTMP (Program source should be H.264 and AAC encoding)	
	DATA CH 1-7(1000M) ports: IP out over HTTP/HLS/RTMP (Unicast)	
System	Memory	8G
	CPU	I7
	Solid-State Disk(SSD)	120G
	Mechanical Hard Disk	4T
	Channel switching time with Baudcom' STB: HTTP (1-3s), HLS (0.4-0.7s)	
	Play programs with APK downloaded android STB and TV	
	About 80 HD/SD programs (Bitrate:2Mbps) When HTTP/RTP/RTSP/HLS is converted into UDP (Multicast), the actual application shall prevail, and suggest maximum 80% CPU utilization	
	IPTV system function	support Live channel, VOD, Hotel introduction, Dining, Hotel service, APPS, scenery introduction and so on (Please install Baudcom IPTV APK)
	IPTV system main	support adding scrolling caption, welcome words,

General	interface	pictures, advertisement, video , music (Please install Baudcom IPTV APK)
	web-based NMS management thru DATA port	
	Demission	482.6mm×328mm×88mm (WxLxH)
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

1.6 Appearance and Description

Front Panel Illustration:



1/2	Reserved ports for future
3	Data port for IP output and Network management
4	CH1~CH7: IP input / Unicast output ports
5	socket
6	VGA port for connecting displayer

Chapter 2 Installation Guide

2.1 Acquisition Check

When users open the package of the device, it is necessary to check items according to packing list. Normally it should include the following items:

- BD-IPTV08 IPTV Gateway Server
- User's Manual
- Grounding Cable
- Power Cord

If any item is missing or mismatching with the list above, please contact local dealer.

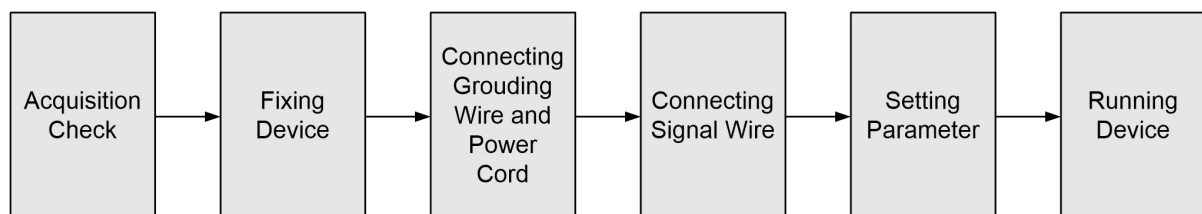
2.2 Installation Preparation

When users install device, please follow the below steps. The details of installation will be described at the rest part of this chapter. Users can also refer rear panel chart during the installation.

The main content of this chapter including:

- Checking the possible device missing or damage during the transportation
- Preparing relevant environment for installation
- Installing gateway
- Connecting signal cables
- Connecting communication port (if it is necessary)

2.2.1 Device's Installation Flow Chart Illustrated as following:



2.2.2 Environment Requirement

Item	Requirement
Machine Hall Space	When user installs machine frame array in one machine hall, the distance between 2 rows of machine frames should be 1.2~1.5m and the distance against wall should be no less than 0.8m.
Machine Hall Floor	Electric Isolation, Dust Free Volume resistivity of ground anti-static material: $1 \times 10^7 \sim 1 \times 10^{10} \Omega$, Grounding current limiting resistance: 1M (Floor bearing should be greater than 450Kg/m ²)
Environment Temperature	5~40°C(sustainable), 0~45°C(short time), installing air-conditioning is recommended
Relative Temperature	20%~80% sustainable 10%~90% short time
Pressure	86~105KPa
Door & Window	Installing rubber strip for sealing door-gaps and dual level glasses for window
Wall	It can be covered with wallpaper, or brightness less paint.
Fire Protection	Fire alarm system and extinguisher
Power	Requiring device power, air-conditioning power and lighting power are independent to each other. Device power requires AC power 100V-240V 50/60Hz 2A. Please carefully check before running.

2.2.3 Grounding Requirement

- All function modules' good grounding designs are the basis of reliability and stability of devices. Also, they are the most important guarantee of lightning arresting and interference rejection. Therefore, the system must follow this rule.
- Coaxial cable's outer conductor and isolation layer should keep proper electric conducting with the metal housing of device.
- Grounding conductor must adopt copper conductor in order to reduce high frequency impedance, and the grounding wire must be as thick and short as possible.
- Users should make sure the 2 ends of grounding wire well electric conducted and be

antirust.

- It is prohibited to use any other device as part of grounding electric circuit
- The area of the conduction between grounding wire and device's frame should be no less than 25mm².

2.2.4 Frame Grounding

All the machine frames should be connected with protective copper strip. The grounding wire should be as short as possible and avoid circling. The area of the conduction between grounding wire and grounding strip should be no less than 25mm².

2.2.5 Device Grounding

Connecting the device's grounding rod to frame's grounding pole with copper wire.

2.3 Wire's Connection

The grounding wire conductive screw is located at the right end of rear panel, and the power switch, fuse, power supply socket is just beside ,whose order goes like this, power switch is on the left ,power supply socket is on the right and the fuse is just between them.

- **Connecting Power Cord**

User can insert one end into power supply socket, while insert the other end to AC power.

- **Connecting Grounding Wire**

When the device solely connects to protective ground, it should adopt independent way, say, share the same ground with other devices. When the device adopts united way, the grounding resistance should be smaller than 1Ω.

⚠ Caution:

Before connecting power cord to BD-IPTV08 IPTV Gateway Server, user should set the power switch to “OFF”.

Chapter 3 WEB NMS operation

BD-IPTV08 is combined with 2 Module: IPTV Gateway and IPTV system, and users need to control and manage them separately through web NMS management.

User should ensure that the computer's IP address is different from the 2 Module's IP address; otherwise, it would cause IP conflict.

3.1 IPTV Gateway

3.1.1 Login

The default IP of this device is **192.168.200.136:3333** (3333 is IP port number which can't be changed)

Connect the PC (Personal Computer) and the device with net cable, and use ping command to confirm they are on the same network segment.

I.G. the PC IP address is 192.168.200.136, we then change the device IP to 192.168.200.xxx (xxx can be 0 to 255 except 136 to avoid IP conflict).

Use web browser to connect the device with PC by inputting this device's IP address in the browser's address bar and press Enter.

It displays the Login interface as Figure-1. Input the Username and Password (Both the default Username and Password are "admin".) and then click "Login" to start the device setting.

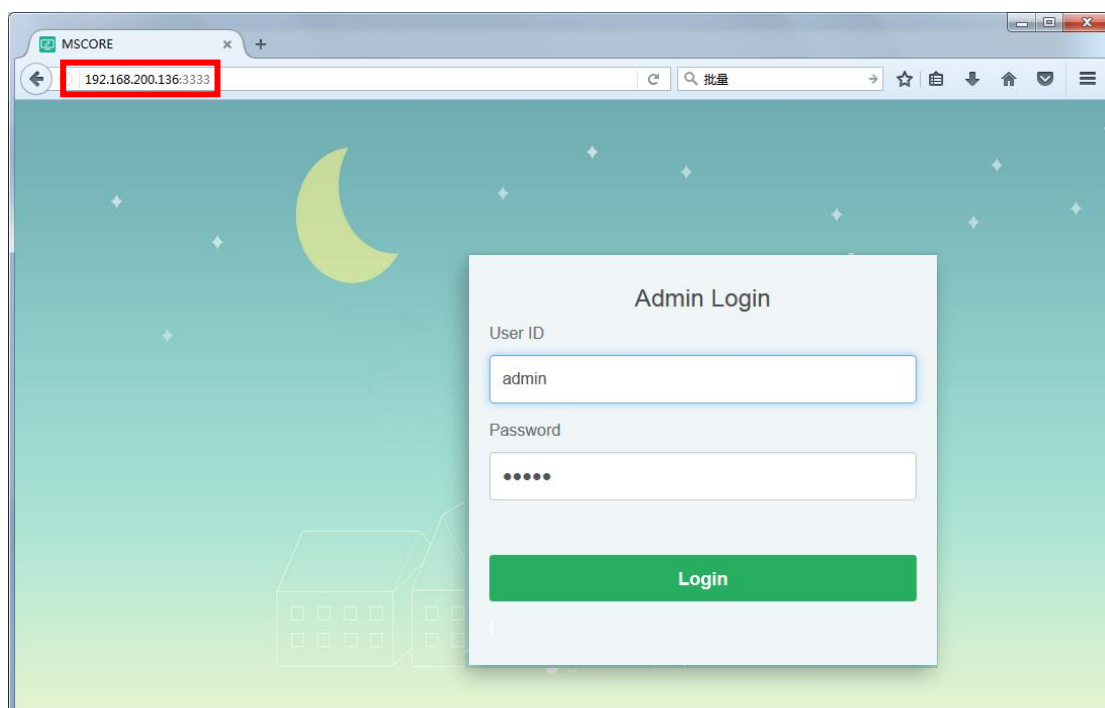


Figure-1

3.1.2 Operation

System Chart

When we confirm the login, it displays the status interface where users can have an overview of system chart. (Figure-2)

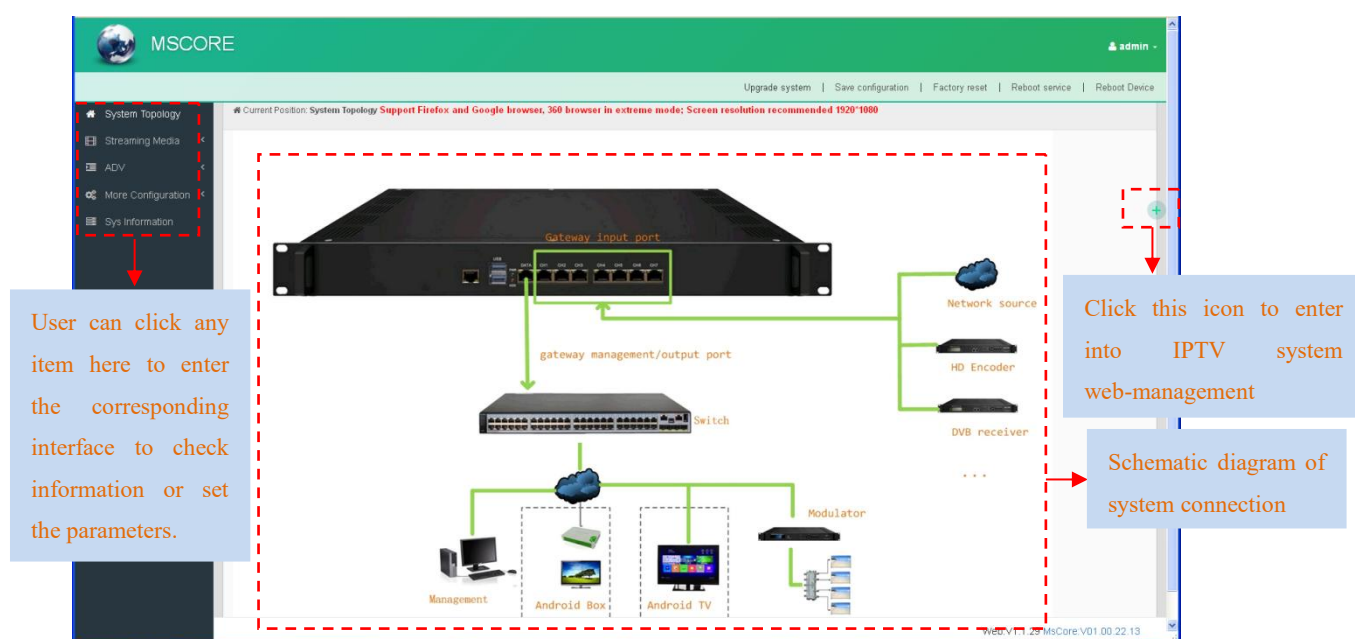


Figure-2

Streaming Media→ NIC Management

From the menu on left side of the webpage, clicking “NIC Management”, it displays the

interface where users can set the dialing and NIC parameters. (If users want to use dialing function, please contact with local operators.) (Figure-3)

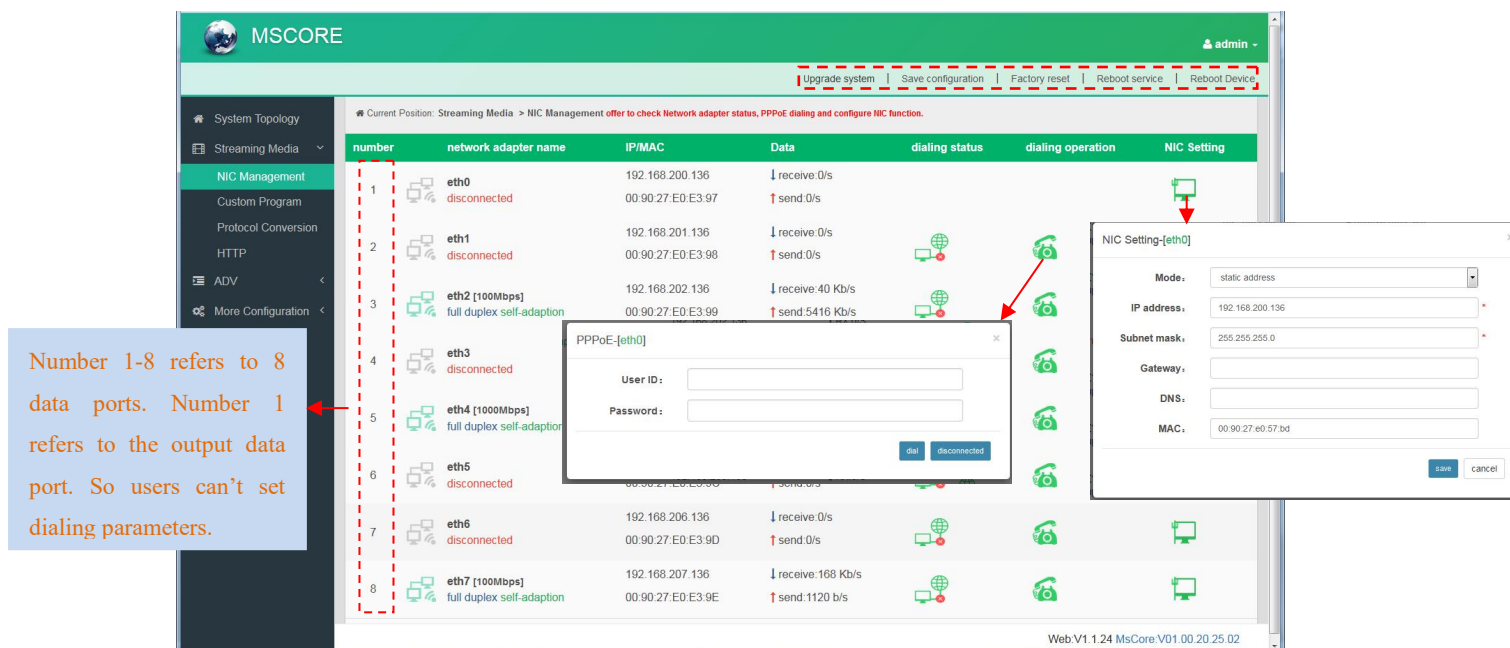


Figure-3

Streaming Media→ Custom Program

Clicking “Custom Program”, it displays the interface where users can upload TS files from local sources for distributing programs. (Figure-4)

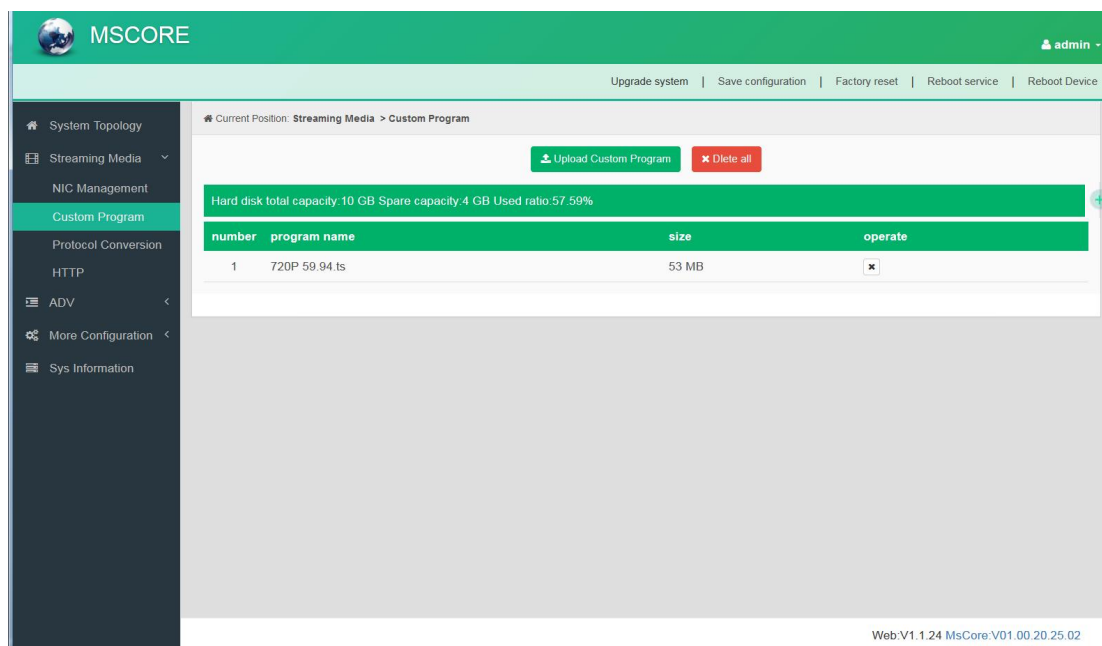


Figure-4

Streaming Media→ Protocol Conversion

Clicking “Protocol Conversion”, it displays the interface where users can set protocol conversion parameters and add programs from CH1-7. Input protocol supports HLS, HTTP,

RTP, UDP, RTSP (RTP over UDP, payload MPEGTS). Output supports HLS, UDP, RTMP (RTMP is only supported when input sources are H.264 and AAC encoding.) Output address can't be changed when selecting HLS as output protocol. (Figure-5)

MSCORE

Upgrade system | Save configuration | Factory reset | Reboot service | Reboot Device

Current Position: Streaming Media > Protocol Conversion

Input protocol: HLS, HTTP, RTP, UDP, RTSP(rtp over udp, payload MPEGTS) Output protocol: HLS, UDP, RTMP(RTMP output is only supported when input program source are H.264 and AAC encoding)

start distribution stop distribution stop all Batch Setting All template download import programs export programs add program batch delete program sorting

number	status	program name	input NIC	program type	input address	output address	realtime rate	operate
1	✓	DXTV-15	eth4 [1000Mbps] full duplex self-adaption	normal	rtp://239.93.0.68:5140	http://192.168.202.136:8060/hls/114/114.m3u8	2776 Kbps	✎ ✕
2	✓	DXTV-14	eth4 [1000Mbps] full duplex self-adaption	normal	rtp://239.93.0.67:5140	http://192.168.202.136:8060/hls/113/113.m3u8	2807 Kbps	✎ ✕
3	✓	DXTV-13	eth4 [1000Mbps] full duplex self-adaption	normal	rtp://239.93.0.66:5140	http://192.168.202.136:8060/hls/112/112.m3u8	2843 Kbps	✎ ✕
4	✓	DXTV-12	eth4 [1000Mbps] full duplex self-adaption	normal	rtp://239.93.0.65:5140	http://192.168.202.136:8060/hls/111/111.m3u8	2802 Kbps	✎ ✕
5	✓	DXTV-11	eth4 [1000Mbps] full duplex self-adaption	normal	rtp://239.93.0.3:5140	http://192.168.202.136:8060/hls/110/110.m3u8	2554 Kbps	✎ ✕
6	✓	DXTV-10	eth4 [1000Mbps] full duplex self-adaption	normal	rtp://239.93.0.63:5140	http://192.168.202.136:8060/hls/109/109.m3u8	2602 Kbps	✎ ✕
7	✓	DXTV-9	eth4 [1000Mbps] full duplex self-adaption	normal	rtp://239.93.1.2:5140	http://192.168.202.136:8060/hls/108/108.m3u8	2621 Kbps	✎ ✕
8	✓	DXTV-8	eth4 [1000Mbps] full duplex self-adaption	normal	rtp://239.93.0.112:5140	http://192.168.202.136:8060/hls/107/107.m3u8	2565 Kbps	✎ ✕

total program: 60, number of distribution: 60

Web V1.1.24 MsCore/V01.00.20.25.02

Figure-5



: Click to edit or delete programs



: Click to start/stop/stop all the program distribution



: Click box in front of program number, and then click it to batch programs information as below box. “Keep” means keep the original program information

Batch Setting

program type: normal

Anti-jitter: disable

input NIC: Keep

output protocol: UDP

Submit Cancel

normal
PPPoE
Keep

eth1
eth2
eth3
eth4
eth5
eth6
eth7
Keep



: Click to download the template for inputting program information and to batch import/export programs



: Click to add programs and edit program information as below box

edit program info

program name: eg_CCTV1

program type: normal

Anti-jitter: disable

input NIC: eth1

output protocol: UDP

input address: eg,rtsp://239.93.0.100:5140

output address: udp://224.3.3.2:10002

*Anti jitter can output smoothly and re-package, but it will consume more system resources. Please use caution.

*when output protocol is RTMP, input protocol only supports UDP and RTP.

Submit Cancel

batch delete : Click to batch delete programs

program sorting : Click to sort programs manually by dragging program's name

program sorting drag program to sort

DXTV-15 DXTV-14 DXTV-13 DXTV-12 DXTV-11 DXTV-10

DXTV-9 DXTV-8 DXTV-7 DXTV-6 DXTV-5 DXTV-4 DXTV-3

DXTV-2 DXTV-1 DXTV-2 DXTV-4 DXTV-3 DXTV-4

DXTV-5 DXTV-6 DXTV-7 DXTV-8 DXTV-9 DXTV-10 DXTV-11

DXTV-12 DXTV-13 DXTV-14 DXTV-15 DXTV-1 DXTV-2 DXTV-3

DXTV-4 DXTV-5 DXTV-6 DXTV-7 DXTV-8 DXTV-9 DXTV-10

DXTV-11 DXTV-12 DXTV-13 DXTV-14 DXTV-15 DXTV-1

DXTV-2 DXTV-3 DXTV-5

Submit Cancel

Streaming Media→ HTTP

Clicking “HTTP”, it displays the interface where users can set the HTTP parameters. HLS, HTTP and RTSP can't be converted into HTTP directly, but UDP and RTP can be converted into HTTP. The setting principle is same as “Protocol Conversion”. (Figure-6)

Note: If users want to IP out over HTTP, they need to convert HLS/HTTP/RTSP into UDP/RTP, and then converting UDP/RTP into HTTP.

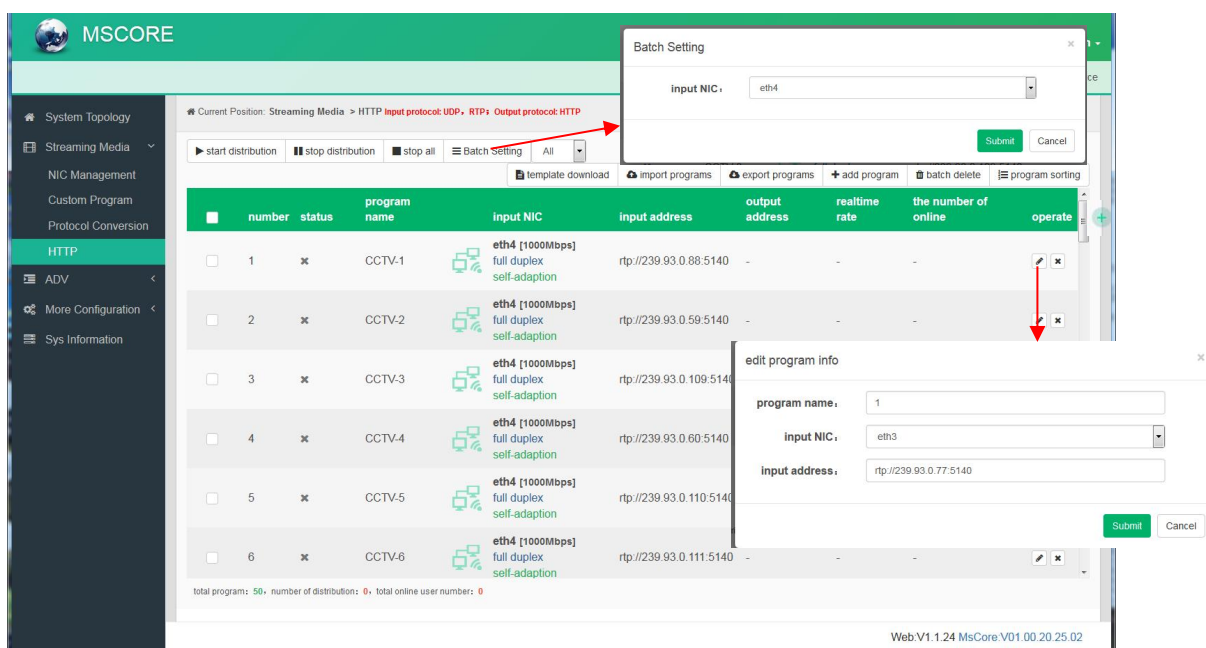


Figure-6

ADV→ Rolling Subtitles

ADV function is only applicable to IP out application and the STB and TV must be installed Baudcom IPTV APK.

Clicking “Rolling Subtitles”, it displays the interface where users can add rolling subtitles and set subtitles’ parameters. After submitting, rolling subtitles will appear when playing programs. (Figure-7)

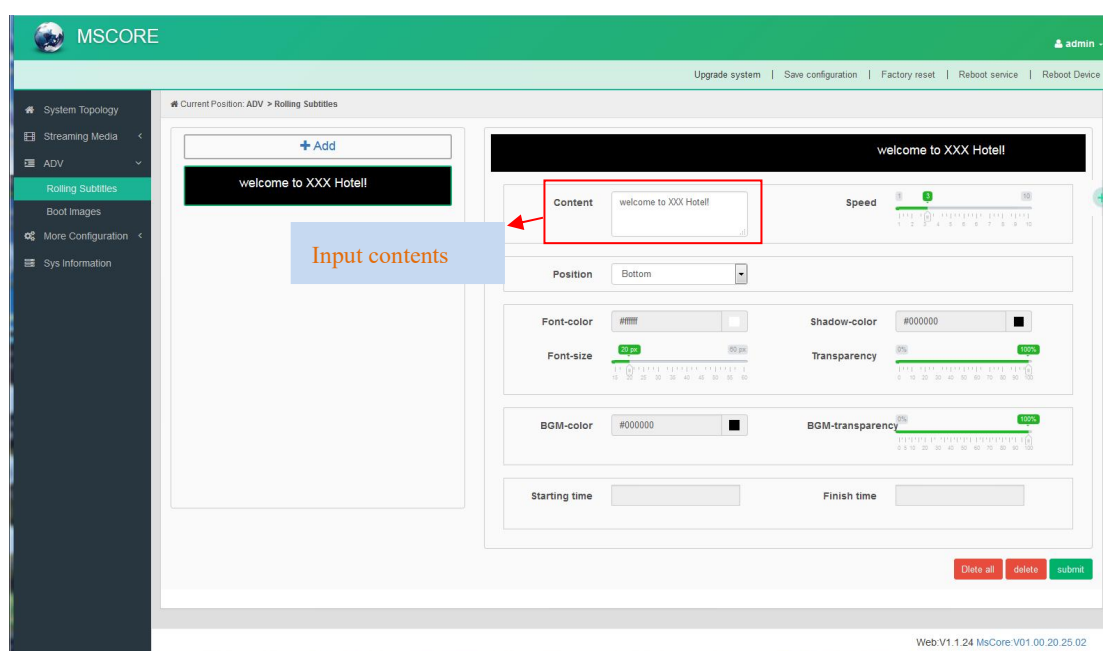


Figure-7

ADV→ Boot Images

Clicking “Boot Images”, it displays the interface where users can add boot images. Click

“Add” and then upload it. After submitting, boot images will appear when starting Baudcom IPTV APK. (Figure-8)

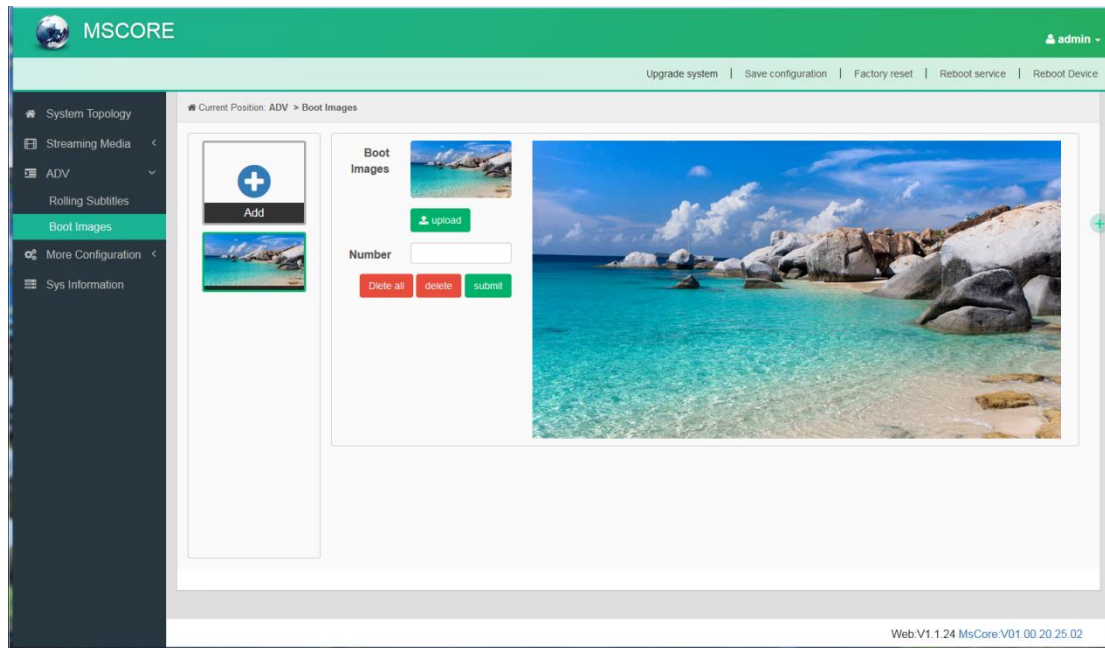


Figure-8

More Configuration→ System Set

Clicking “System Set”, it displays the interface where users can select client protocol and Unicast output port, and set ADV parameters. (Figure-9)

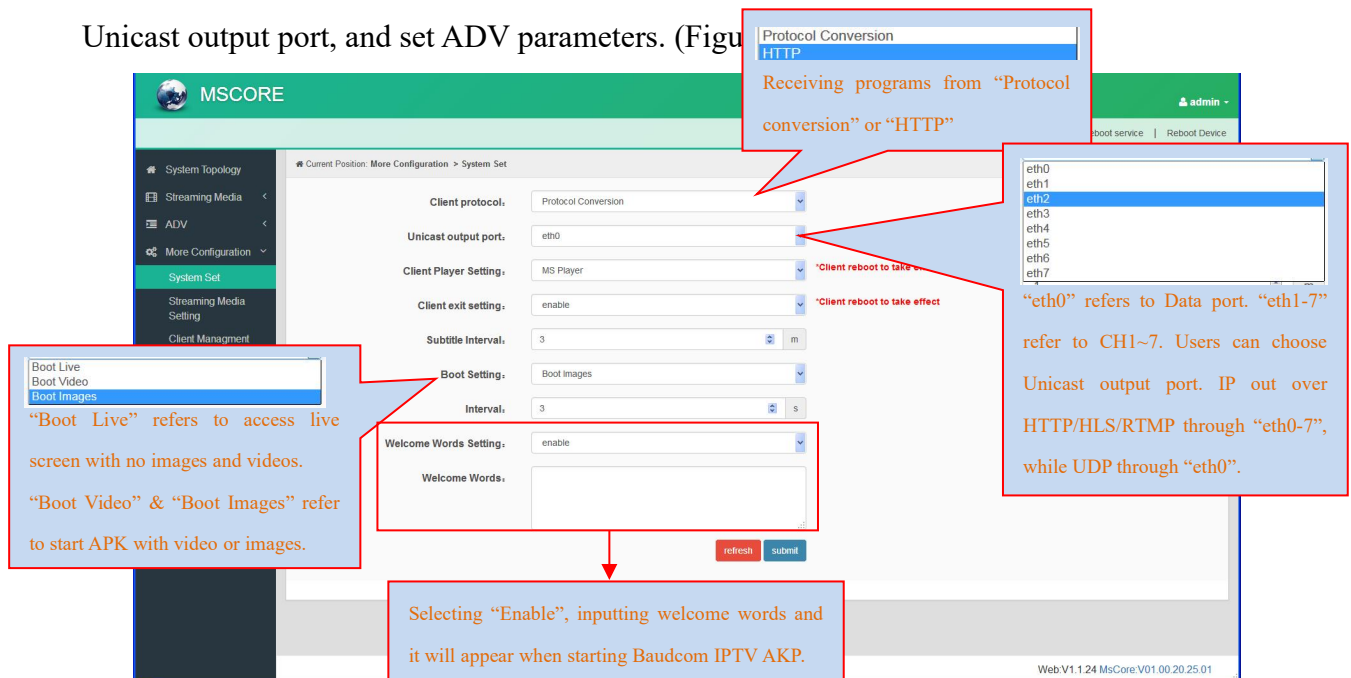


Figure-9

Select boot setting as “Boot Video” to upload boot video here and it will appear when starting Baudcom IPTV APK. Suggest the size of video file doesn't over 500M.

Boot Setting:

Power Video: uploading delete

*Don't exceed 500M for Power video files;

refresh submit

More Configuration→ Streaming Media Setting

Clicking “Streaming Media Setting”, it displays the interface where users can set streaming media parameters. (Figure-10)

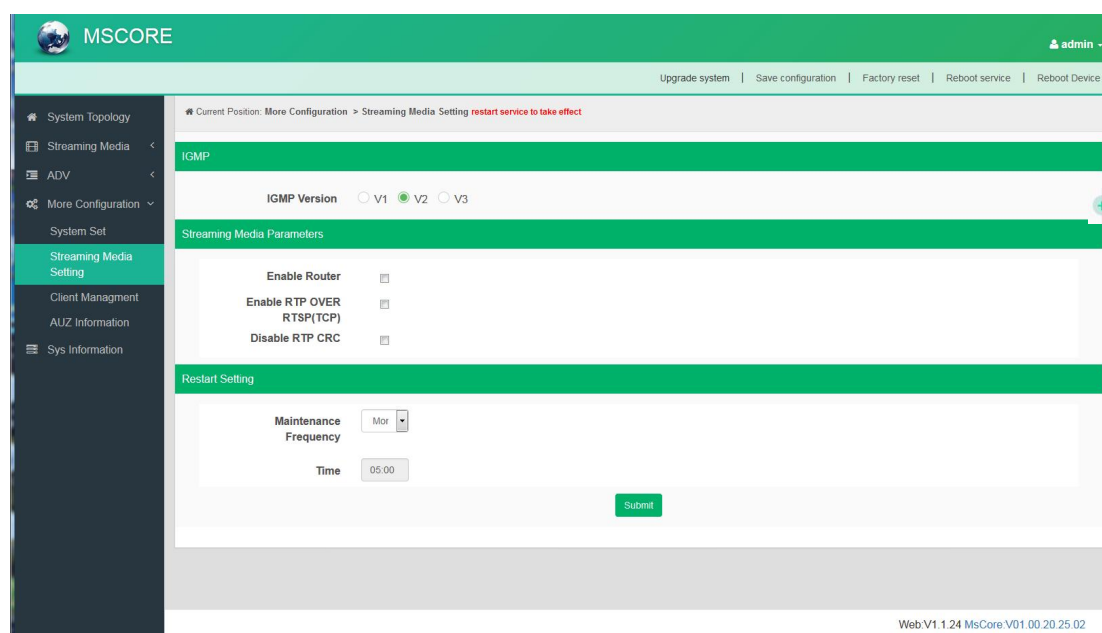


Figure-10

More→ Client Management

Clicking “Client Management”, it displays the interface where users can download APK from this device and then upload it to STB and TV. (Figure-11)

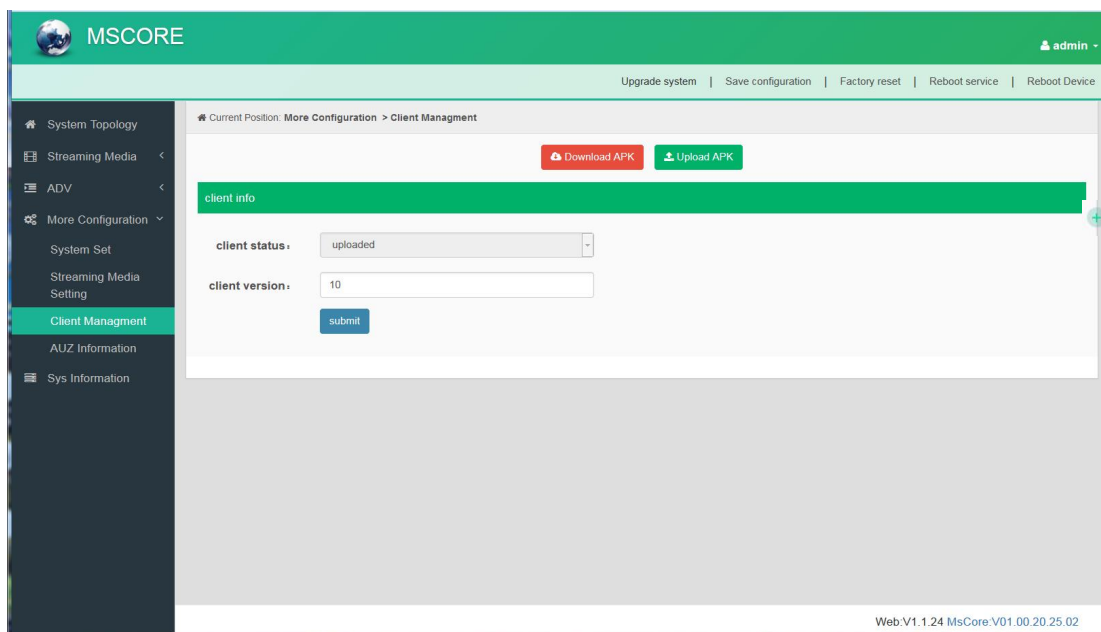


Figure-11

Clicking “Download APK”, it will trigger a box as below (select saving pass) to save IPTV APK flie.



More→ AUZ Information

Clicking “AUZ Information”, it displays the interface where users can check the authorization information. (Figure-12)

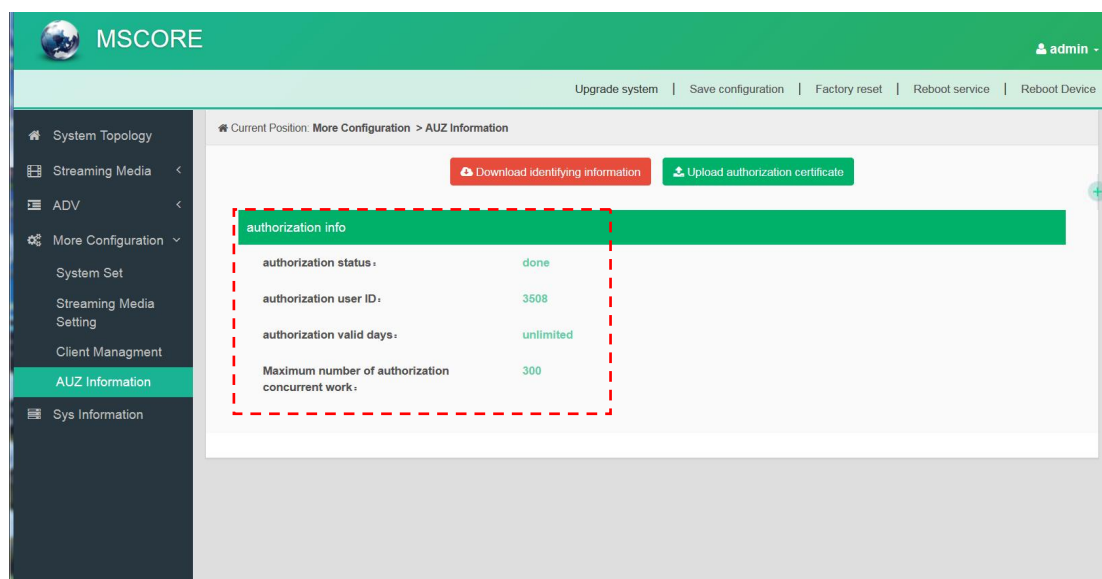


Figure-12

System Information

Clicking “System Information”, it displays the interface where users can check the system information such as CPU usage rate, CPU usage record and so on. (Figure-13)

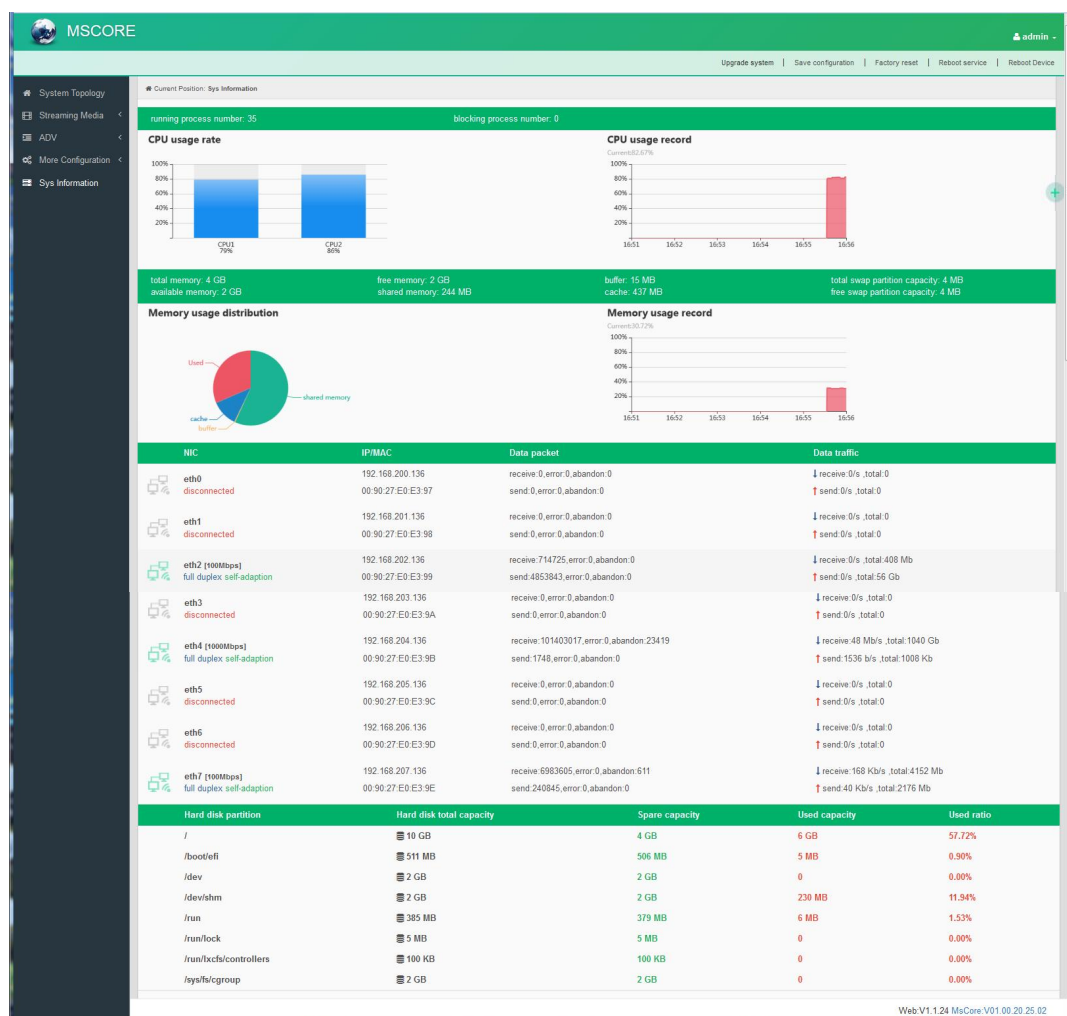


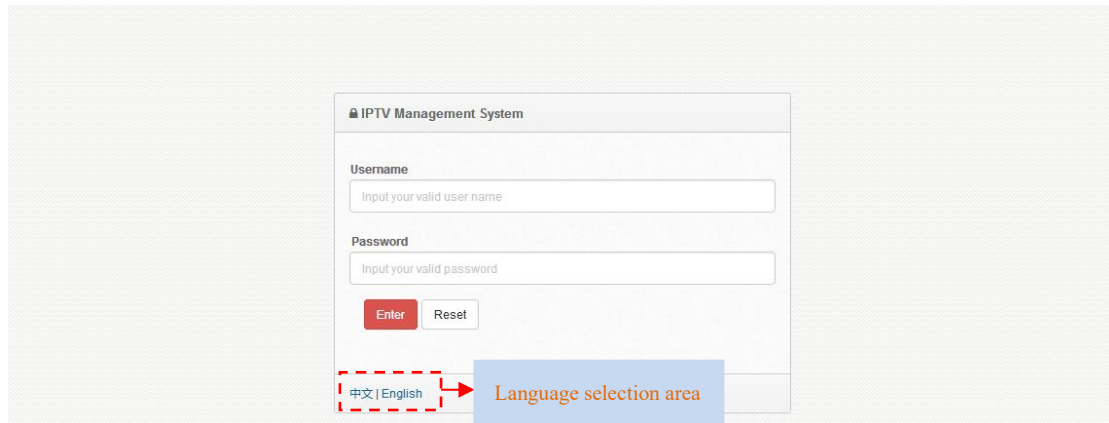
Figure-13

3.2 IPTV System (Hotel Version)

3.2.1 Login

Launch browser on the PC and input 'http://serverIP:port/iptv2' in the address bar (e.g. http://192.168.200.199:8030/iptv2), and the server default port number is 8030.

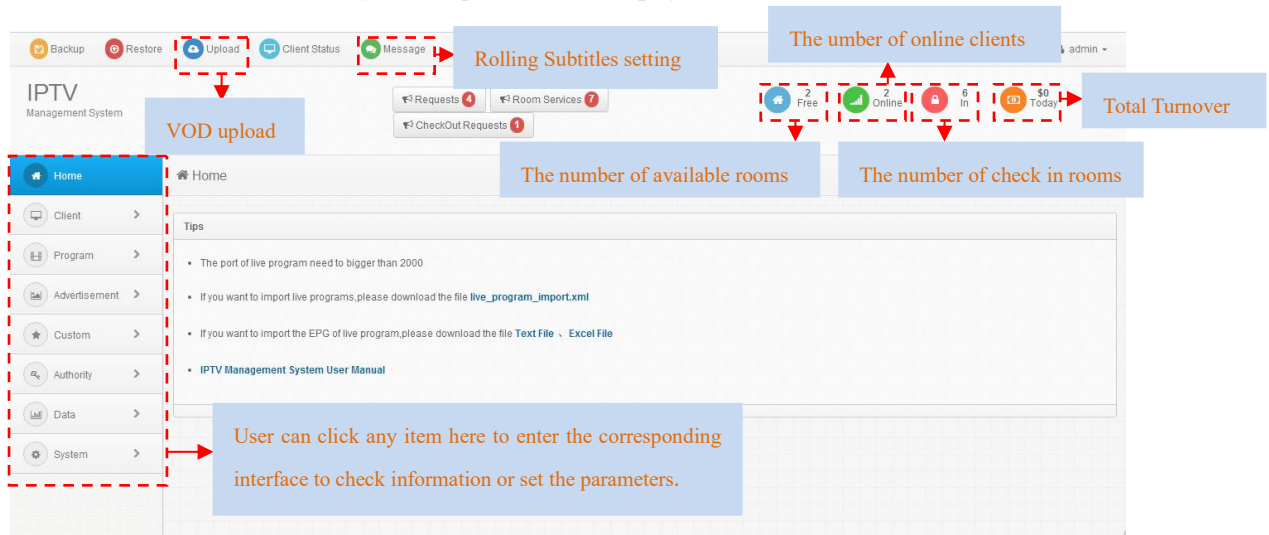
NOTE: The latest version of Firefox chrome and Google chrome are suggested, and the language of this management system can only be selected on the login interface.



3.2.2 Operation

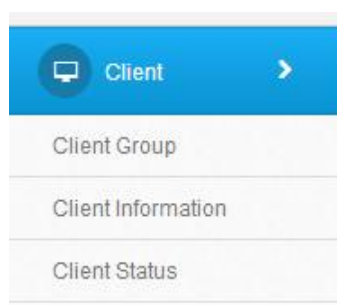
Home

When administrator confirms the login, it displays the home page interface.

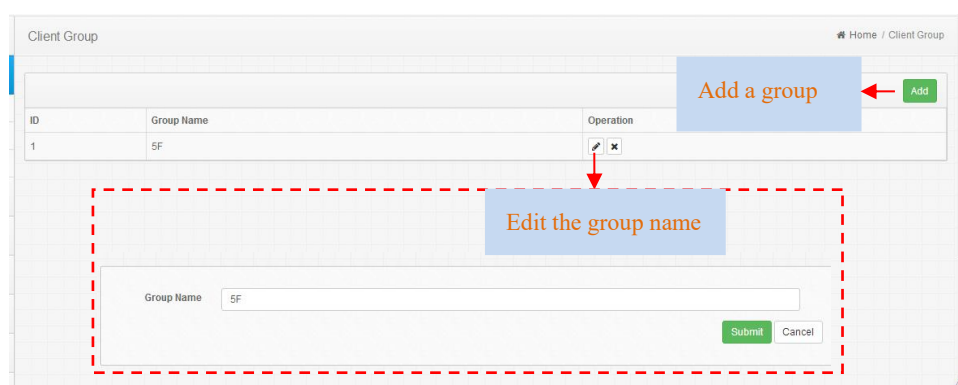


Client

Administrator can manage all STBs here.



【Client Group】: Administrator can divide clients into groups according to the hotel suite type, floor, price, etc. The different group STB can play customized live programs, text, picture and video advertisement.

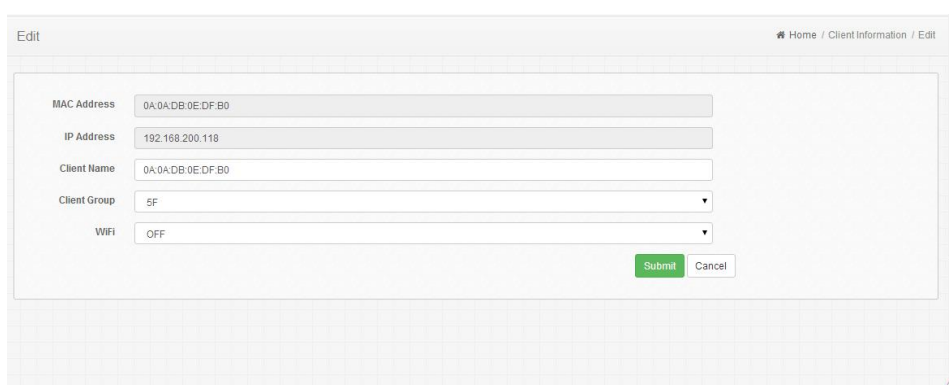
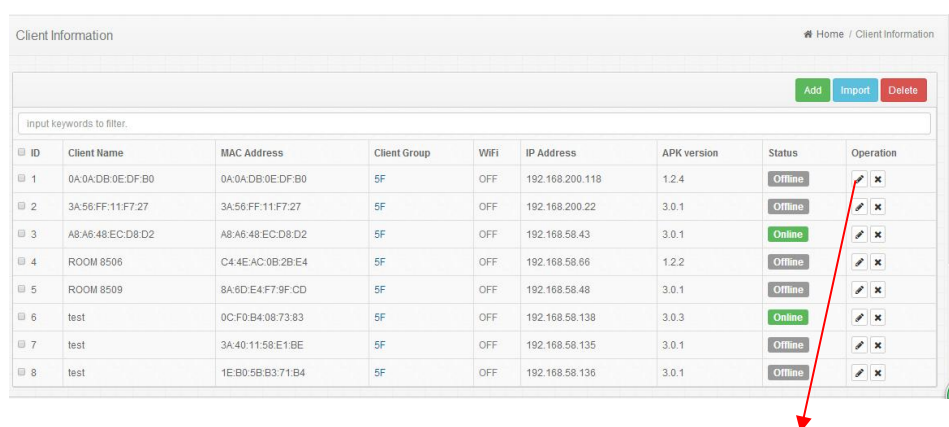


NOTE:

Administrators delete group will delete all the group members' information. If administrator wants to delete a group, please assign the client group members to other group.

【Client Information】

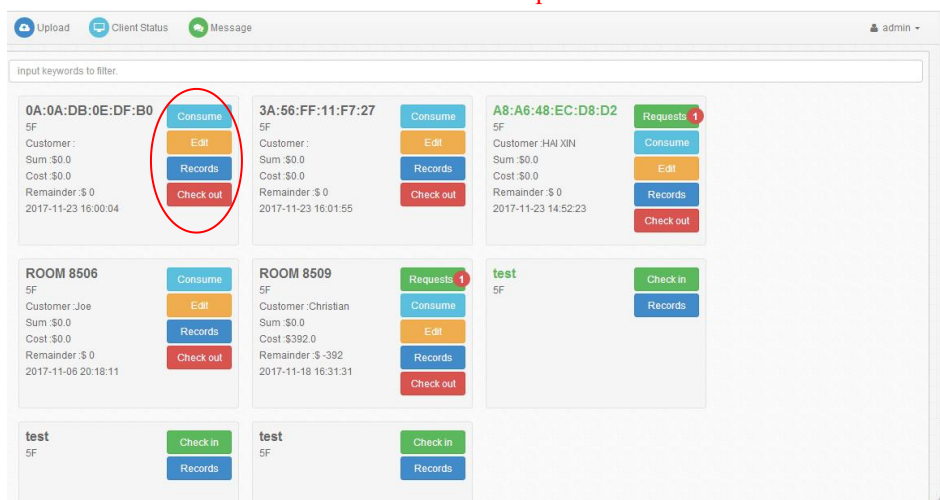
When STB connected the server, the information of client will display on this interface, and administrator can name this client and divide it into group.



【Client Status】

Administrator can edit check in and check out information and welcome words, and check consumption information and history checking records.

NOTE: when customers check in the IPTV service can be provided.



➤ Consume

Administrators can click 'Consume' at the top of the webpage to check corresponding clients.

Consume (ROOM 8509)

Total : \$ 392.0

ID	Client Name	Type	Content	Count	Price	Order Time	Finish Time	Operation
1	ROOM 8509	Food	Chocolate Mousse	3	\$56.0	2017-11-19 13:44:04		✕
2	ROOM 8509	Food	Pan-fried Steak	1	\$0.0	2017-11-19 13:44:04		✕
3	ROOM 8509	Food	Chocolate Mousse	4	\$56.0	2017-11-19 10:44:18		✕

➤ Edit

Administrators can edit the welcome words here.

Check in (ROOM 8506)

Customer:

Sum\$:

Welcome Words(Chinese):

Christin :

Welcome Words(English):

Christin :

➤ Records

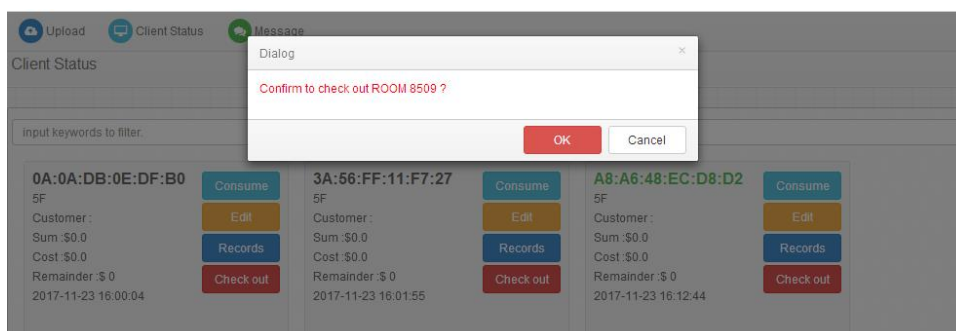
Administrators can check the consumption record here.

Records (ROOM 8509)

ID	Customer	check in time	check out time	Cost	Operation
1	Christian	2017-11-18 16:31:31	2017-11-23 16:13:37	\$392.0	\$

➤ Check out

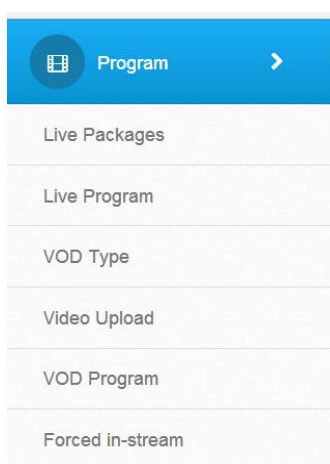
Administrators can manage the check out information here.



Program

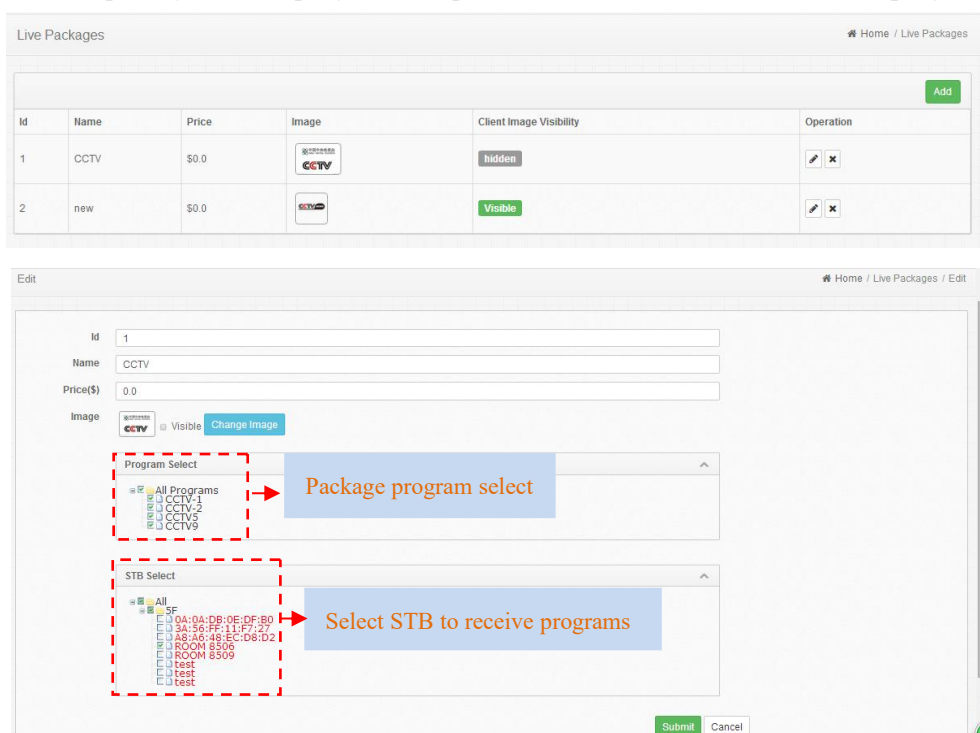
【Program】

Administrators can manage the Live and VOD programs here.



【Live Packages】

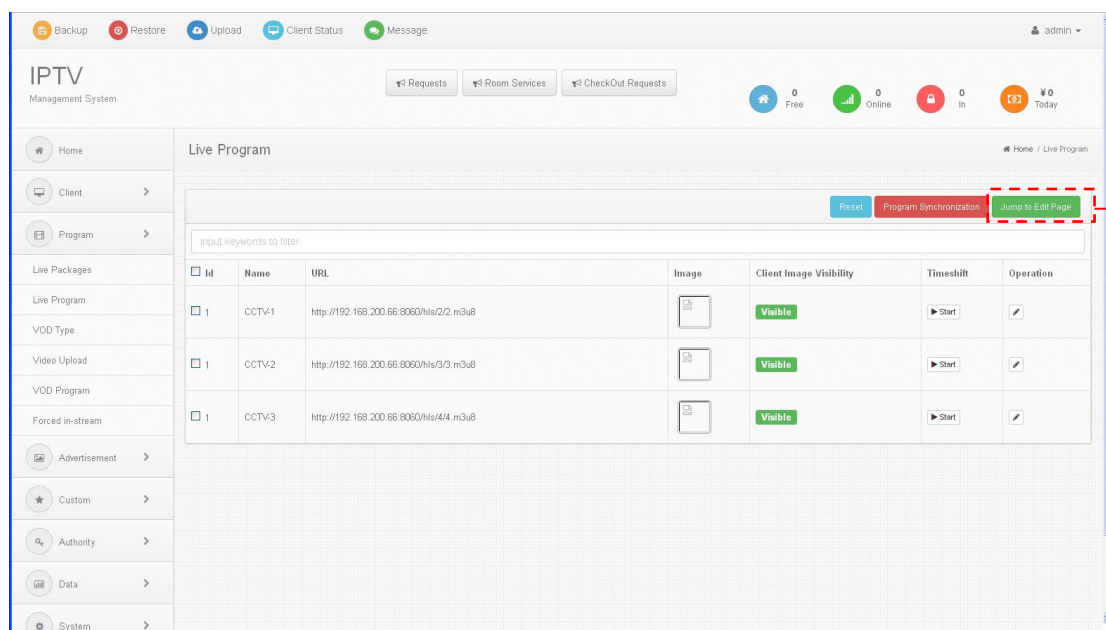
Administrator can package the live programs, set price and select the STB to receive the programs.



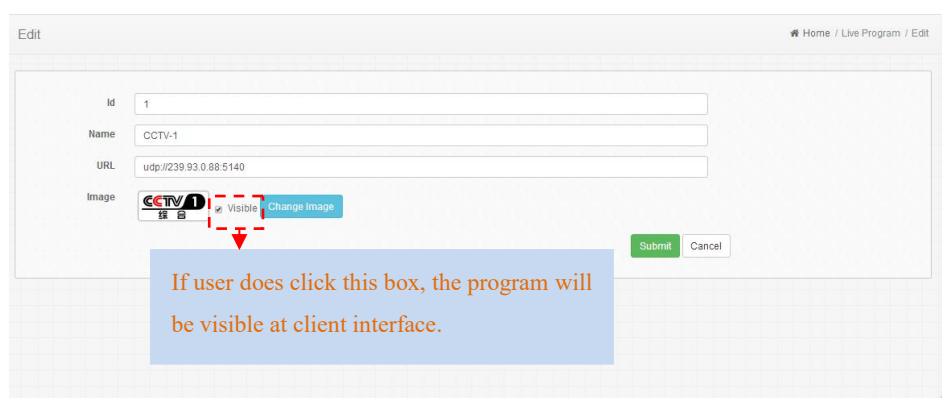
Live programs management: edit programs information including program name, programs' ID and logo etc.

NOTE: when HTTP live protocol is selected, the code rate information will display on this interface.

【Live Program】 Administrator can manage the Live programs here.



Click it to enter into IPTV gateway management



NOTE: Please input full address, including protocol, IP, port and other related information.

Administrator can download the files' format at the home page to batch import programs, and import files after filling in programs.

If user does click “☒ Visible” here, the program will be visible at client interface.

Administrator can click “☐ EPG” to check program EPG information within one week. It only support off-line import at present, and download the imported files' format at the home page.

【VOD Type】

Administrator can classify VOD programs here.

VOD Type Home / VOD Type

[Add](#)

ID	Name	Operation
1	Action	Edit Delete
2	Drama	Edit Delete
3	Cartoon	Edit Delete
5	Disaster	Edit Delete
6	test	Edit Delete
7	test	Edit Delete

Edit Home / VOD Type / Edit

ID:

Name:

[Submit](#) [Cancel](#)

【Video Upload】

Administrators can upload video to server drives.

Video Upload Home / Video Upload

[Choose File](#) [Delete](#)

input keywords to filter:

Used: 123.60 MB | Free: 501.52 GB

ID	Name	Size	Time	Operation
1	apanda.mp4	19.05 MB	2017-11-06 10:21:05	Delete
2	apanda11.mp4	19.05 MB	2017-11-10 10:22:13	Delete
3	hobbit.mp4	48.40 MB	2017-11-06 10:21:04	Delete
4	now.mp4	37.11 MB	2017-11-06 10:21:05	Delete

NOTE:

The uploaded video file name can only consist of numbers, subtitles and underline. File names contain with Chinese or other special symbol, which can also be uploaded to the server, but the set-top box port can not be played normally.

It support upload and select multiple files at the same time.

Please do not close this page in the process of uploading; if other pages are needed to operate, please open a new page.

【VOD Program】

Administrator can manage VOD programs.

VOD programs management: administrator can edit video information here.

VOD Program Home / VOD Program

[Add](#) [Delete](#)

input keywords to filter:

ID	Poster	Name	Price	Area/Language	Director/Actors	Screen Time	VOD Type	Click Rate	Operation
1		Now You See Me Hot HD	\$0.0	America English	Louis Leterrier Jesse Eisenberg, Woody Harrelson	2013.5.13	Drama	7	Edit Delete
2		The Dark Knight Hot HD	\$0.0	America English	Christopher Nolan Christian Bale, Heath Ledger	2008.7.18	Action	3	Edit Delete
3		new	\$0.0		fas		Action	1	Edit Delete
4		gsdhsdewrtgw HD	\$0.0		gsdsh		Drama	0	Edit Delete
5		hrwehrt HD	\$0.0	asdgt			Disaster	0	Edit Delete

Poster  [Change Image](#)

Name

Price(\$)

Director

Actors

Area

Language

Screen Time

VOD Type

Tag ☒ Hot ☒ HD

Off sale ☐

Introduction

[Submit](#) [Cancel](#)

Administrator can click  to check VOD source, and set VOD source as local files or network address.

NOTE: Administrators can upload local video files or input the available URL address.

VOD source (Now You See Me) [Home / VOD Program / VOD source](#)

[Add](#)

ID	Source	Operation
1	Local File : apanda.mp4	Edit Delete
2	Local File : apanda11.mp4	Edit Delete
3	Local File : hobbit.mp4	Edit Delete

Select the video source

Add (Now You See Me) [Home / VOD Program / VOD source / Add](#)

ID

Source

[Submit](#) [Cancel](#)

Select the uploaded video source

Add (Now You See Me) [Home / VOD Program / VOD source / Add](#)

ID

Source

[Submit](#) [Cancel](#)

Input video URL address

Add (Now You See Me) [Home / VOD Program / VOD source / Add](#)

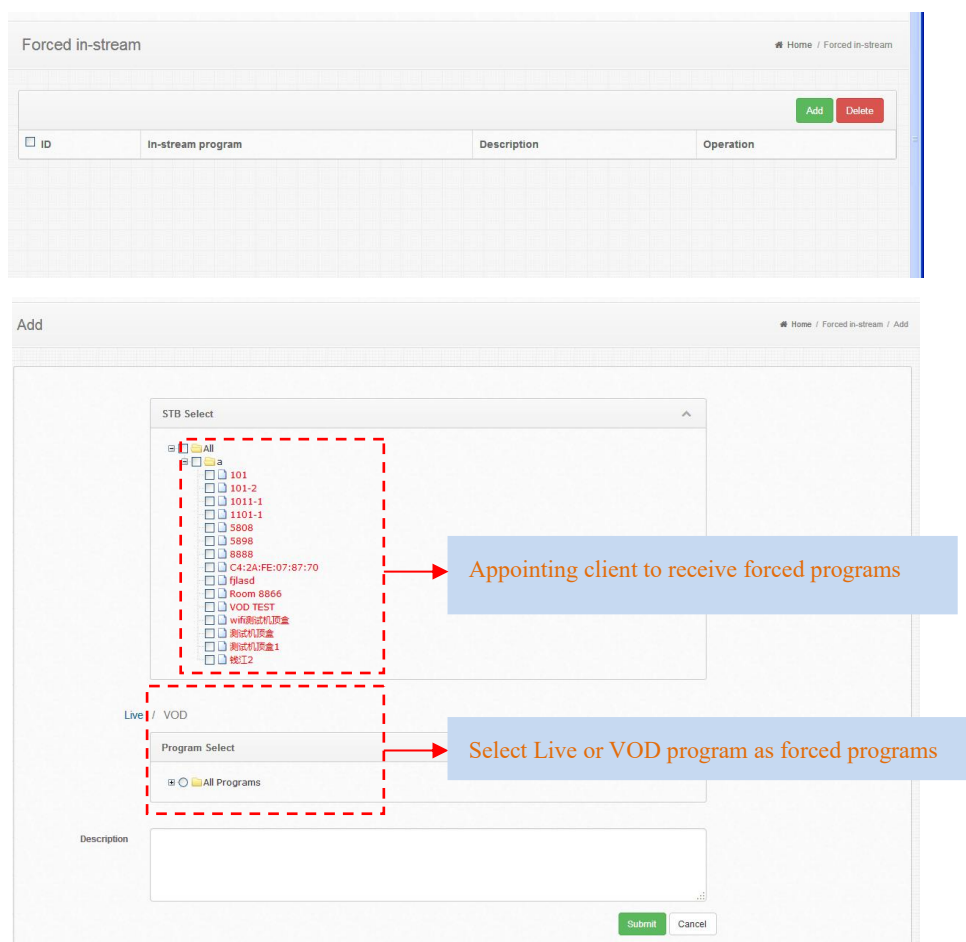
ID

Source

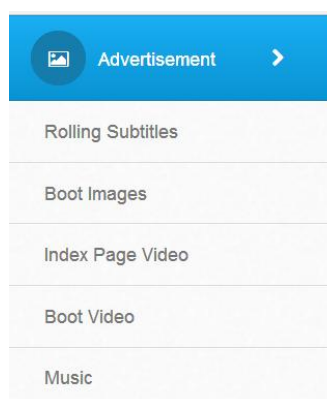
[Submit](#) [Cancel](#)

【Forced in-stream】

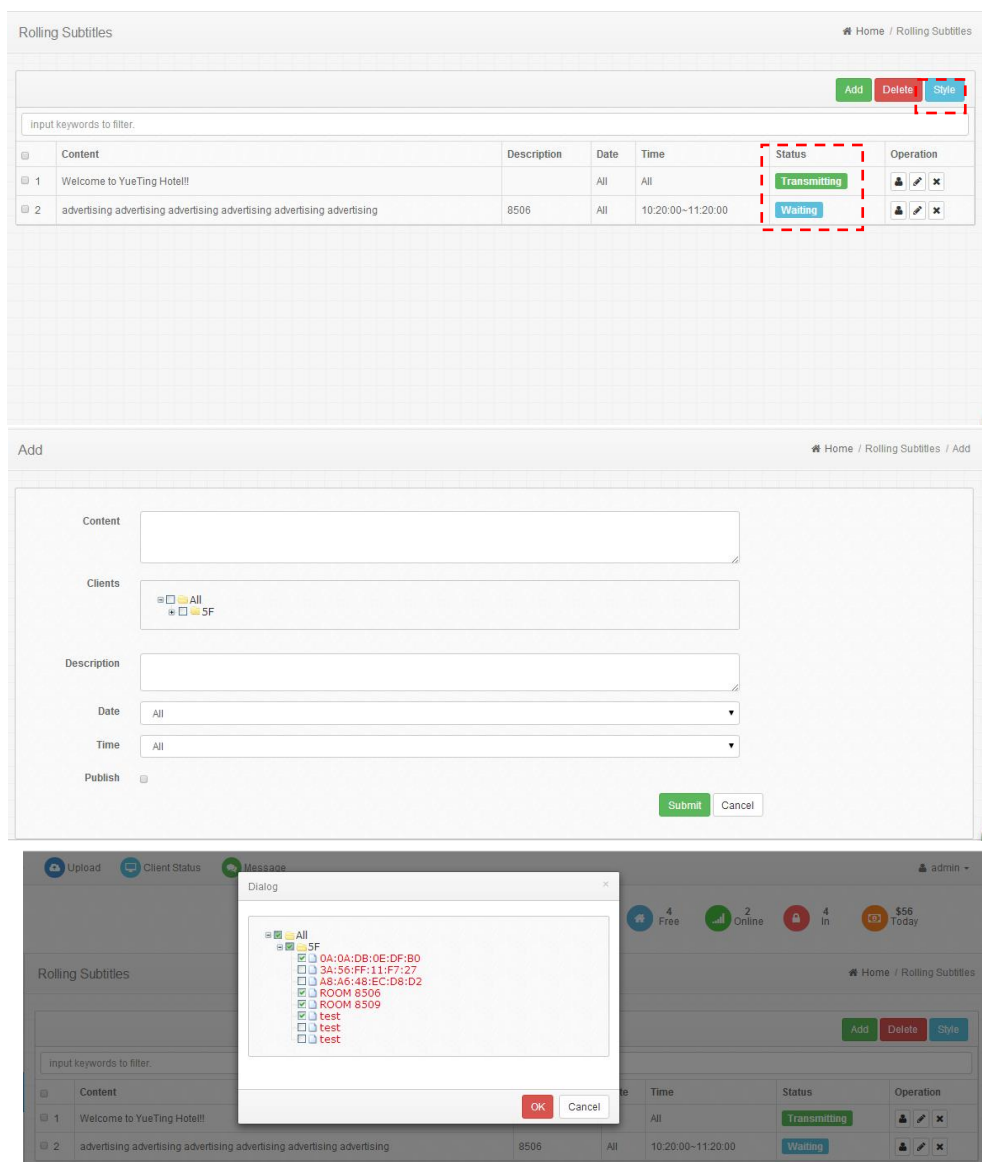
Administrator can select one program as forced program to the appointed client.

**Advertisement**

Administrator can click “Advertisement” to manage rolling subtitles, boot images, index page video and boot video displaying on client interface.

**【Rolling Subtitles】**

Administrator can set rolling Subtitles to send text to specified client at specified date and time. The text will roll at the top of the screen.



Status:

【Transmitting】 The text is rolling at specified client.

【Timeout】 The text is expired and will not send.

【Waiting】 The text is waiting for sending.

【Unpublished】 The text is unpublished and will not send to client. Administrator can click **Publish** to publish the text.

Administrator can click “Style” to set and preview the rolling subtitle style, including rolling text size, color, background, interval rolling time.



【Boot Images】

Administrators edit the images that will be displayed on client, and different client can be set different homepage advertisement.

NOTE: Administrator can only choose one between image advertisement and video advertisement.

Home / Boot Images

Add

Delete

Input keywords to filter.

ID	Image	Description	Operation
1			 
2			 
3			 
4			 

Home / Boot Images / Edit

Image



Change Image

Clients

All

SF

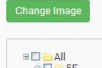
Description

Submit

Cancel

Home / Boot Images / Add

Image



Change Image

Clients

All

SF

0A:0A:DB:0E:DF:80

3A:56:FF:11:F7:27

A8:A6:48:EC:D8:D2

ROOM 8506

ROOM 8509

test

test

test

Description

Submit

Cancel

【Index Page Video】

Administrators edit the video that will be displayed on client, and different client can be set different homepage advertisement.

NOTE: Administrator can only choose one between image advertisement and video advertisement.

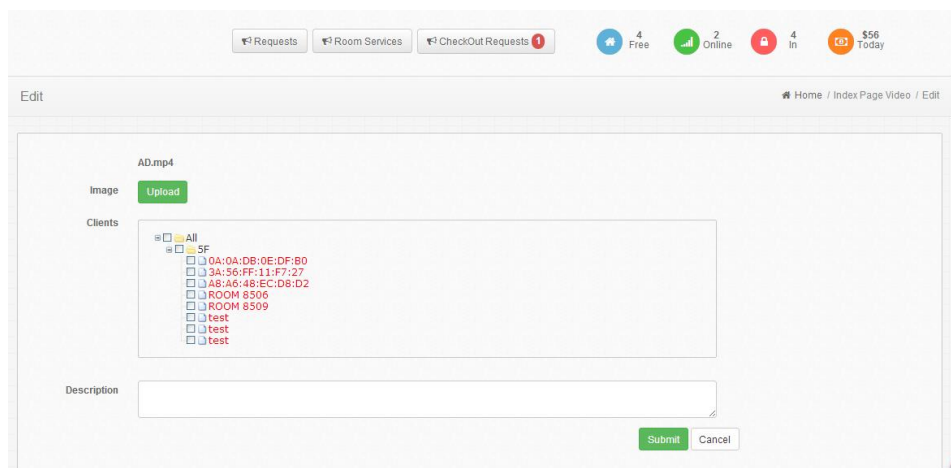
Home / Index Page Video

Add

Delete

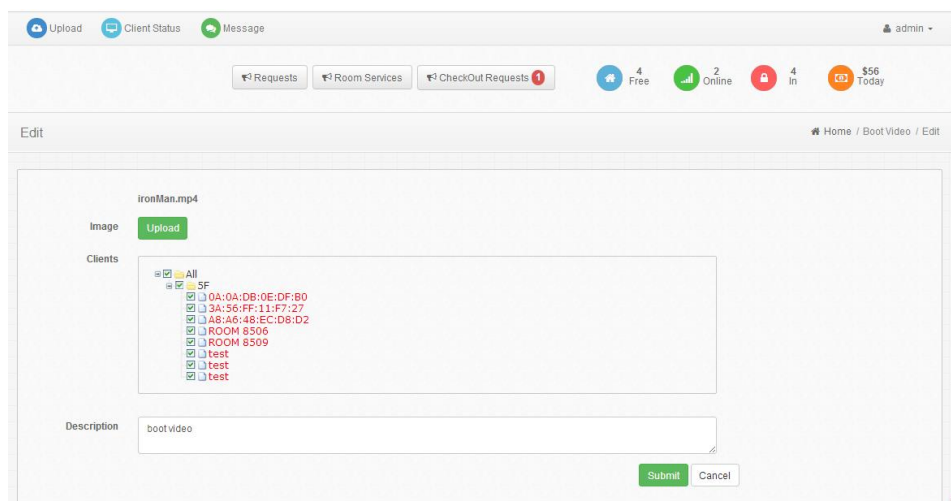
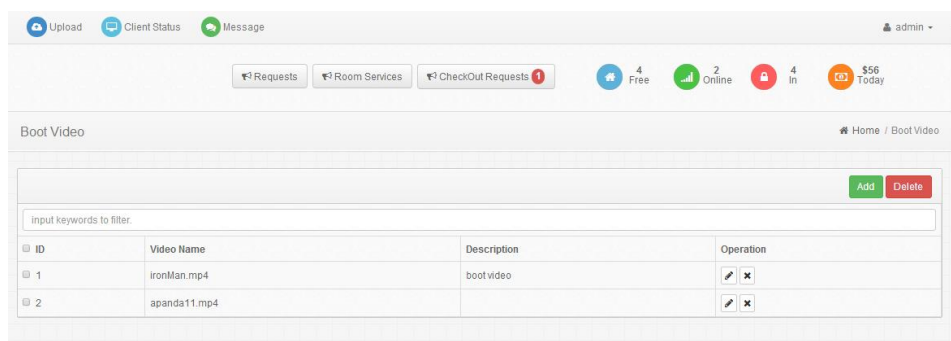
Input keywords to filter.

ID	Video Name	Description	Operation
1	AD.mp4		 
2	apanda11.mp4		 



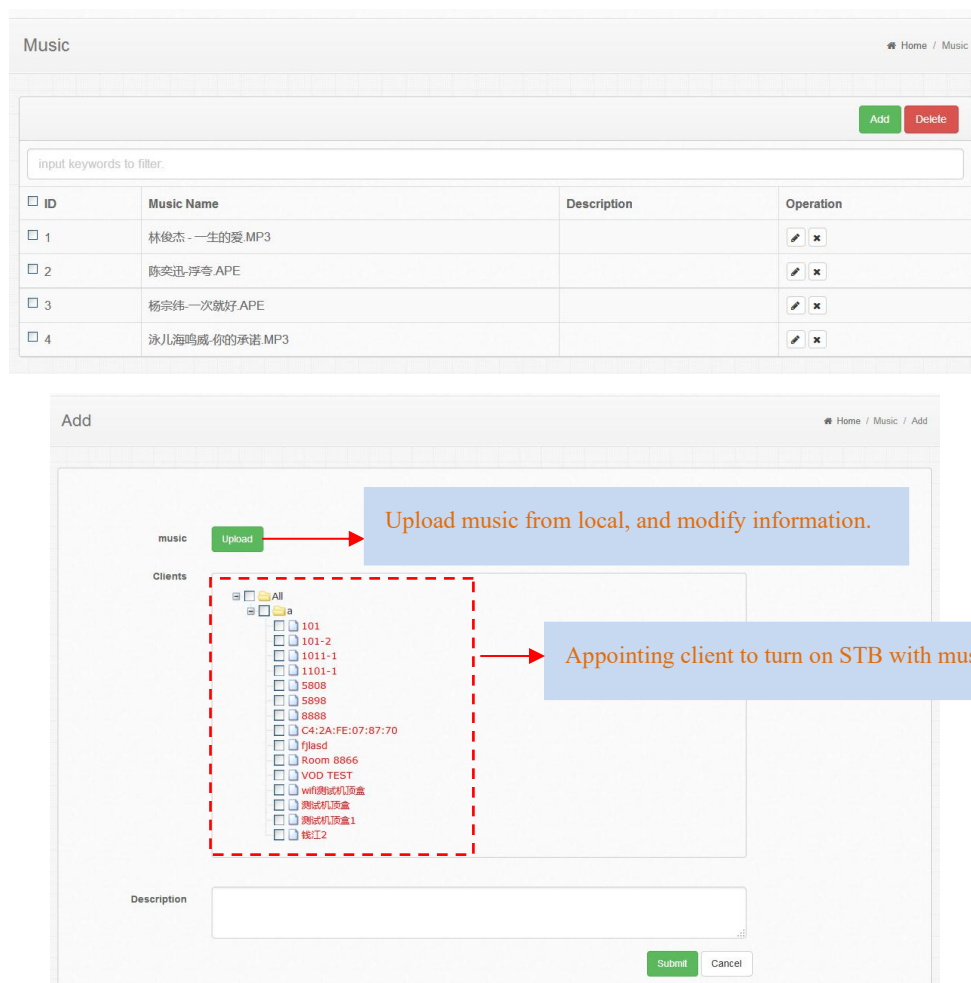
【Boot Video】

Administrator can manage the video which playing on the client when it is turned on. Different client can be set different video.



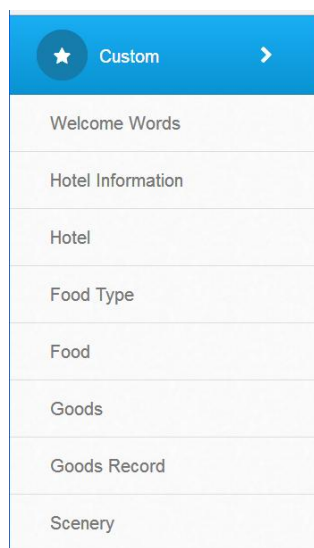
【Music】

Administrator can add the music which playing on the client when it is turned on.



Custom

This column can be made to different customized content for meeting different demands.



【Welcome Words】 Administrator can edit English or Chinese welcome words here.

Welcome Words Home / Welcome Words

[Add](#)

ID	Welcome Words(Chinese)	Welcome Words(English)	Operation
1	%%: 欢迎入住悦庭酒店，祝您旅途愉快！	%%: Welcome to YueTing Hotel!	Edit Delete

Add Home / Welcome Words / Add

ID

Clients

Welcome Words(Chinese)

Welcome Words(English)

[Submit](#) [Cancel](#)

【Hotel Information】 Administrator can classify or name rooms here.

Hotel Information Home / Hotel Information

[Add](#)

ID	Name	Operation
1	Room Introduction	Edit Delete
2	Hotel Introduction	Edit Delete
3	Parking Lot	Edit Delete
4	Dinning Room Introduction	Edit Delete
6	Bar	Edit Delete
7	Coffee	Edit Delete
8	Gym	Edit Delete

Edit Home / Hotel Information / Edit

ID

Name

[Submit](#) [Cancel](#)

【Hotel】 Administrator can edit the room information here.

Hotel Home / Hotel

[Add](#) [Delete](#)

ID	Image	Name	Name	Description	Operation
1		Deluxe King Room	Room intro	Our hotel to the six floor on the fourth floor has a sweet and comfortable standard room, the room has two X2 meters 1.2 meters bed two zhang and a 32 inch LCD TV, each room has free wireless Internet and 24 hour hot water service	Edit Delete
2		Deluxe Twin Room	Room intro	Our hotel to the six floor on the fourth floor has a sweet and comfortable standard room, the room has two X2 meters 1.2 meters bed two zhang and a 32 inch LCD TV, each room has free wireless Internet and 24 hour hot water service	Edit Delete
3		Hotel Conference Hall	Room intro	testtesttesttesttesttesttesttesttesttesttesttest	Edit Delete

Edit Home / Hotel / Edit

Image  [Change Image](#)

Name

Hotel Information Select room classification

Description

[Submit](#) [Cancel](#)

【Food Type】 Administrator can edit food types here.

Food Type Home / Food Type

[Add](#)

ID	Name	Operation
1	Desserts	Edit Delete
2	Western-style food	Edit Delete

Edit Home / Food Type / Edit

ID

Name

[Submit](#) [Cancel](#)

【Food】 Administrator can edit food information here.

[Requests](#) [Room Services](#) [CheckOut Requests](#) 4 Free 2 Online 4 In \$56 Today

Food Home / Food

[Add](#) [Delete](#)

Input keywords to filter.

ID	Image	Name	Price	Food Type	Description	Sale Count	Operation
1		Chocolate Mousse	\$56.0	Desserts		24	Edit Delete
2		Pan-fried Steak	\$0.0	Western-style food		23	Edit Delete

Edit Home / Food / Edit

Image  [Change Image](#)

Name

Price(\$)

Food Type

Description

[Submit](#) [Cancel](#)

【Goods】 Administrator can edit goods information here.

Goods Home / Goods

[Add](#) [Delete](#)

input keywords to filter:

ID	Image	Name	Count	Operation
1		Power converter	5	Edit Delete
2		Mobile phone charging line	3	Edit Delete
3		Umbrella	1	Edit Delete

Edit Home / Goods / Edit

Image  [Change Image](#)

Name

[Submit](#) [Cancel](#)

【Goods Record】 Administrator can check the goods rental records here.

Goods Record Home / Goods Record

input keywords to filter:

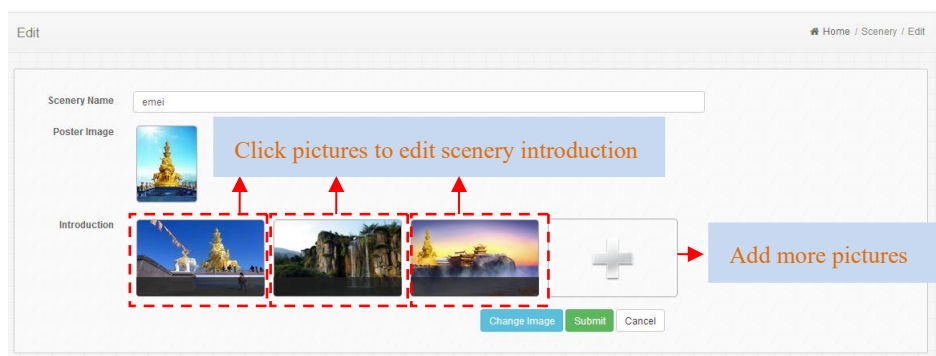
ID	Client Name	Customer	Service Name	Details	Order Time	Response Time	Finished time	Status	Operation
1			Laundry Service		2017-11-10 10:12:09	2017-11-10 10:12:18	2017-11-10 10:12:20	Finish	Delete
2			Butler Service		2017-11-10 10:12:06	2017-11-10 10:12:16	2017-11-10 10:12:17	Finish	Delete
3			Butler Service		2017-11-10 10:09:22	2017-11-10 10:09:44	2017-11-10 10:09:45	Finish	Delete
4			Laundry Service		2017-11-10 10:09:20	2017-11-10 10:09:42	2017-11-10 10:09:43	Finish	Delete
5			Wake Up Call	Wakeup Time: 2017-11-10 10:09:00	2017-11-10 10:09:14	2017-11-10 10:09:39	2017-11-10 10:09:41	Finish	Delete
6			Wake Up Call	Wakeup Time: 2017-11-06 14:06:00	2017-11-06 14:06:41	2017-11-07 17:44:30	2017-11-07 17:44:32	Finish	Delete
7			Goods Borrowing	Umbrella	2017-11-06 14:06:35	2017-11-07 17:44:27	2017-11-07 17:44:46	Returned	Delete
8			Goods Borrowing	Mobile phone charging line	2017-11-06 14:06:33	2017-11-07 17:45:07	2017-11-07 17:45:19	Returned	Delete

【Scenery】 Administrator can edit scenery information here.

Scenery Home / Scenery

[Add](#) [Delete](#)

ID	Scenery Name	More Information	Operation
1		  	Edit Delete
2		   	Edit Delete



Authority

Administrators can distribute authority to back-stage manager.



【Manager Role】

Administrator can distribute role authority by this, and the defaulted role is Administrator. It owns the highest authority, and can not be modified and deleted.

Manager Role				
Home / Manager Role Add				
ID	Role Name	Description	Create Time	Operation
1	Administrator	System administrator, can not delete.	2017-11-04 13:34:49	

Home / Manager Role / Add

Add

Role Name

input a name of manager role.

Description

Authority

All

Client

Requests

CheckOut Requests

Client Information

Client Group

Client Status

Program

Live Program

Live Package

EPG

VOD Program

VOD Type

VOD Resource

Video Upload

Advertisement

Rolling Subtitles

Style

Boot Images

Index Page Video

Boot Video

Custom

Welcome Words

Hotel

Hotel Information

Food

Goods

Room Service History

Food Type

Scenery

Authority

Manager Role

Manager

Data

Charts

Evaluation System

System

Settings

Version

Streaming Media

Server

Submit

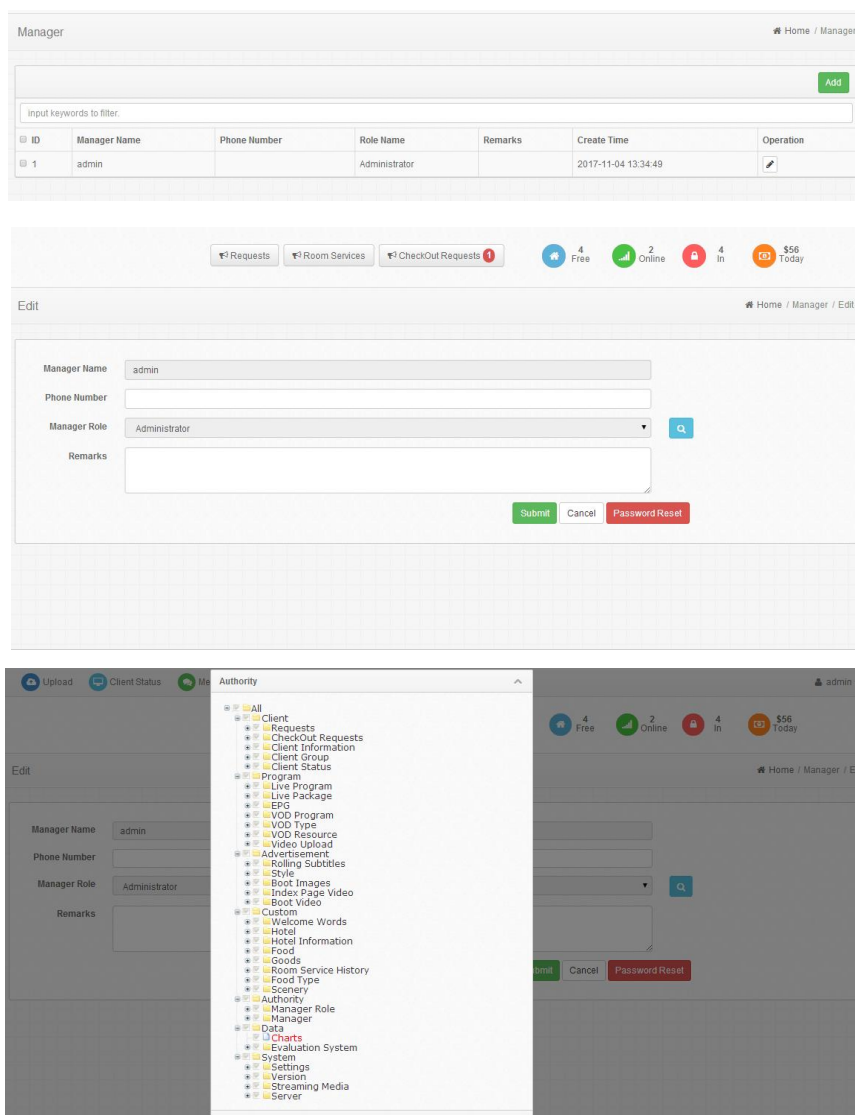
Cancel

NOTE:

Administrators delete roles will lead to all accounts lose all authorities, and cannot be operated.

【Manager】

Administrator can create, edit and distribute the back-stage manager's login number; the defaulted manager name is “admin”, and password is “123456”.



Data

Administrators can check data information here.

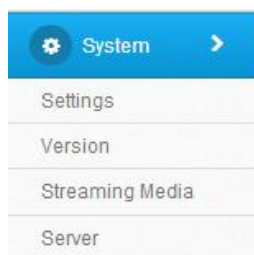


【Chart】 Administrators can check the turnover and VOD data on this interface.



System

Administrator can set system common parameters, manage client version and check server status.



【Settings】 Administrator can set system common parameters here.

The Settings page includes the following fields and options:

- Operator Number: 10000000
- Protocol of Live: HTTP
- Live Playback Engine: System Player
- Hotel Chinese Name:
- Hotel English Name:
- City:
- Monetary Unit: \$
- Paid Days: 1
- Phone number: TEL:12345678
- Consumption Mode: Prepaid consumption
- Home Page Show: Scroll images
- Image change time: 5
- Time Format: yyyy-MM-dd HH:mm:ss
- Favorite Operation: Clean the favorite folder when client check out
- Request ring: Play (with upload button and text: please upload the mp3 file)
- Menu Visible: VOD, CBN, 数字点, Playback, Hotel, Dining, Attractions, Room Service (all checked)
- PMS: none

A green 'Submit' button is located at the bottom right of the form.

【Version】 Administrator can upload APK to update the STBs.

The Version page displays a table of installed APKs. The 'APK Upgrade' button is circled in red.

File Name	Size	Version Name	Version Code	Time
iqiyi.apk	25.68 MB	7.3	58481	2019-03-01 08:52:52
iptv.apk	12.86 MB	1.0.5	100050	2019-06-19 10:54:29
cibn.apk	34.23 MB	2.0.6	2000006	2019-03-01 08:52:45

【Streaming Media】 Administrator can set the streaming media here

Note: this page is generally prohibited from modification, please contact the technical staff if it is changed.

Streaming Media Home / Streaming Media

(Warning! This page is generally prohibited from modification. Please contact the technical staff if it changes)

Streaming IP

Streaming Port

Timeshift IP

Timeshift Port

Timeshift hours

【Server】 Administrator can check server parameters status, including OS , internal memory , rigid disk, CPU, and network.

Server Home / Server

OS				
Architecture	Data Model	Description	Name	Version
x86_64	64	CentOS 7.2.1511	Linux	3.10.0-327.el7.x86_64

Memory			
Total	Used	Free	Used Percent
15.47 GB	1.53 GB	13.94 GB	8%

Rigid Disk						
ID	Directory	Total	Used	Free	Avail	Used Percent
1	/dev/sda3	519.75 GB	18.22 GB	501.52 GB	501.52 GB	4%
2	/dev/sda2	4.99 GB	161.12 MB	4.83 GB	4.83 GB	4%

CPU							
ID	Model	Basic Frequency	Cache Size	User	System	Combined	Idle
1	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
2	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
3	Xeon	2800MHz	20.00 MB	0%	2%	2%	97%
4	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
5	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
6	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
7	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
8	Xeon	2800MHz	20.00 MB	0%	1%	1%	98%
9	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
10	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
11	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
12	Xeon	2800MHz	20.00 MB	0%	0%	0%	100%
13	Xeon	2800MHz	20.00 MB	0%	2%	2%	98%
14	Xeon	2800MHz	20.00 MB	2%	2%	4%	95%
15	Xeon	2800MHz	20.00 MB	2%	0%	2%	97%
16	Xeon	2800MHz	20.00 MB	0%	2%	2%	98%

Net								
ID	Device Name	Device Name	IP	Subnet Mask	Type	Receive Packets	Receive Bytes	Transmit Packets
1	lo	00:00:00:00:00:00	127.0.0.1	255.0.0.0	Local Loopback	12155941	1833356604	12155941
2	em1	C8:1F:66:D5:D7:85	192.168.59.199	255.255.255.0	Ethernet	2578792323	3512291897115	3565
3	em2	C8:1F:66:D5:D7:86	192.168.58.199	255.255.255.0	Ethernet	113924523	10430252476	155990280
4	em3	C8:1F:66:D5:D7:87	192.168.200.199	255.255.255.0	Ethernet	471480250	379819521382	218287244
5	em4	C8:1F:66:D5:D7:88	192.168.5.200	255.255.255.0	Ethernet	0	0	0

Chapter 4 Troubleshooting

Baudcom's ISO9001 quality assurance system has been approved by CQC organization. For guarantee the products' quality, reliability and stability. All Baudcom products have been passed the testing and inspection before ship out factory. The testing and inspection scheme already covers all the Optical, Electronic and Mechanical criteria which have been published by Baudcom. To prevent potential hazard, please strictly follow the operation conditions.

Prevention Measure

- Installing the device at the place in which environment temperature between 0 to 45 °C
- Making sure good ventilation for the heat-sink on the rear panel and other heat-sink bores if necessary
- Checking the input AC within the power supply working range and the connection is correct before switching on device
- Checking the RF output level varies within tolerant range if it is necessary
- Checking all signal cables have been properly connected
- Frequently switching on/off device is prohibited; the interval between every switching on/off must greater than 10 seconds.

Conditions need to unplug power cord

- Power cord or socket damaged.
- Any liquid flowed into device.
- Any stuff causes circuit short
- Device in damp environment
- Device was suffered from physical damage
- Longtime idle.
- After switching on and restoring to factory setting, device still cannot work properly.
- Maintenance needed