

Ezhometech P2P Tutorial

P2P solution for all sreaming servers

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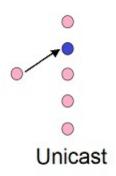


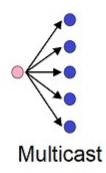
1 Overview of Ezhometech Routecast

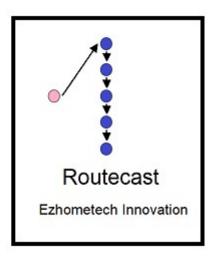
Ezhometech Routecast solution includes **Ezserver** and **Ezserver Routecast Player** can play automatically channels from Ezserver or Ezserver Routecast Player via Internet

1. Ezserver: Act Routecast video server

2. Ezserver Routecast Player: Routecast video player







1.1 Related Information

Ezserver Forum:

https://ezserver.createaforum.com/

Ezserver Server API website

http://www.ezhometech.com/html/server_api.html

Ezserver Client API website:

http://www.ezhometech.com/html/client_api.html

Ezserver User Guide website:

http://www.ezhometech.com/html/ezserver_user_guide.html

Ezserver Routecast Player User Guide:

http://www.ezhometech.com/document/Ezserver External Player User Guide.pdf



2 Ezserver

Ezserver includes OTT / IPTV panel, Streaming server and Stun server for Routecast channel video streaming, it also provides API. for 3rd party software integration.

API has 2 types that are for cloud or app software developers.

- 1. **EZ Server API** provides API for Cloud applications
- 2. **EZ Client API** provides API for App in mobile, STB and PC.

OTT / IPTV panel:

- User management: create, modify and delete users.
- Channel management: create, modify and delete channels.
- Movies management: create, modify and delete movies.
- Series management: create, modify and delete series.
- Reseller panel: create, modify and delete his users.

Streaming server:

- Video format: H264 and H265.
- Audio format: AAC, MP3.

Stun server:

 Routecast connection: allows clients to find out their public address, the type of NAT they are behind and the Internet side port associated by the NAT with a particular local port.

Hardware Requirement:

• Min. Requirement: Dual-Core, 8GB RAM, 1GB Network card.

Software Requirement:

- Linux: Ubuntu 20.04(Recommeded), Debian, Centos
- Windows: 64-bits



3 Ezserver Panel Setting

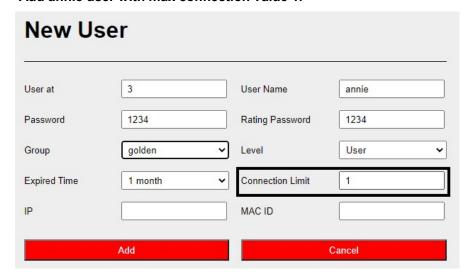
Routecast Setting:

• Enable Routecast option and open Routecast port in server router.



Add 2 users:

• Add annie user with max connection value 1.



• Add robert user with max connection value 1.





4 Ezserver Routecast Player

Ezserver Routecast Player is not standlone player, it is embedde into popular App. Supported App:

- IPTV Smarter
- IPTV Extreme
- IPTV Player
- GSE Smater IPTV

Intent URL Format: App calls Ezserver Routecast Player by intent filter is http://

- Syntax 1: http://IP:Port/live/username/password/x.ts
 - ♦ Ex1. http://188.177.119.111:8000/live/test/1234/1.ts
 - Ex2. http://188.177.119.111:8000/live/test/1234/2.ts
- Syntax 2: http://IP:Port/ch_name?u=username:p=password
 - ♦ Ex1. http://188.177.119.111:8000/TV1?u=test:p=1234

Hardware Regirement:

• Min. Requirement: Above 1.0GHz, 1GB RAM, 802.11 a/b/g/n.

Software Regirement:

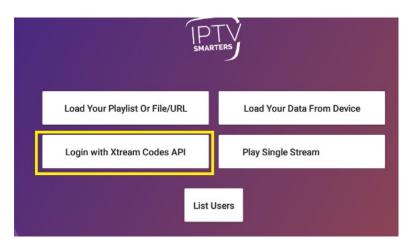
Android 5.0+



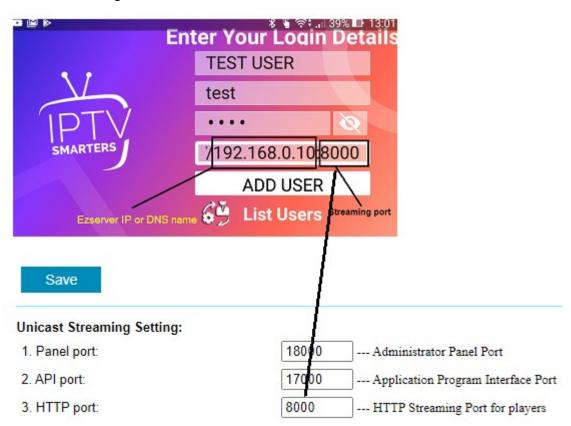
5 IPTV Smarter Setting

Add one user and Ezserver Routecast Player into IPTV Smarter Setting Add one user

Select Xtream API



• Add User Login Details





IPTV Smarter Setting:

Add External Player and select it in Live option









• Play channel in FULL screen mode



Change channel by NEXT/PREV Button



6 Routecast Verification Testing

User IP:

- Differnet users from different public IP.
- Play same channel.

Click Ezserver Panel: Active connection to check their status as below:

No.	User	Session	User Agent	Watching CH/Moive	Starting Time	IP	MAC ID	Country	Protocol
1	annie	4	Ezserver Player	TV1 (1)	2021/08/29 09:58:46 (0:00:12)	111.250.36.210	9c5c8e10be2d	TW	НТТР
2	robert	5	Ezserver Player	TV1 (1)	2021/08/29 09:58:54 (0:00:04)	114.34.8.11	44d3ade87d73	TW	P2P
Show	ing 0 to 0	of 0 conn	ections						

- Protocol HTTP means streaming from Ezserver.
- Protocol P2P means streaming from Ezserver Routecast Player instead of Ezserver



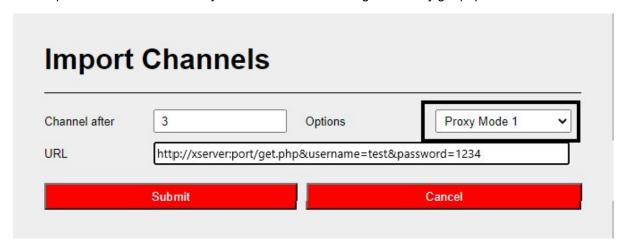
7 P2P for all streaming servers

Ezserver acts P2P stun server for all streaming servers via Routecast. All download streams are from streaming servers instead of Ezserver:

Login Ezserver Panel and Click Channel button.

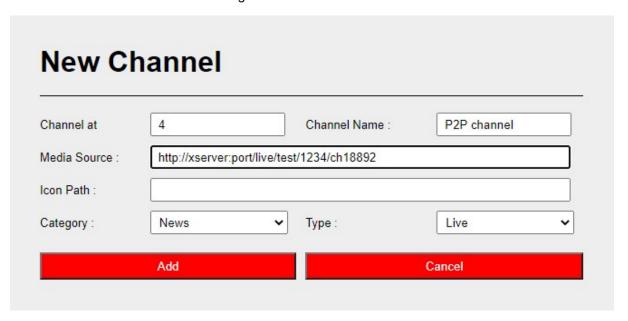
Use import button:

Import all channels with Proxy mode = 1 from streaming servers by get.php API.



Use Add button:

Add one channel from a streaming server





Click Edit icon to Set Proxy mode = 1

