EZP2P

User Guide

www.ezhometech.com

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Version ： 1.0

Content

EZhometech www.ezhometech.com

1. Introduction

Ezhometech P2P solution is for Ezserver 4.5+ and EZP2P can play automatically channels from Ezserver or EZP2P via Internet.

Features:

- P2P Plus solution: Server side does not consume download and upload bandwidth.
- P2P solution: Server side consumes very little download bandwidth.
- EZP2P plays channels from Ezserver
- EZP2P plays channels from other EZP2P to save Server download bandwidth
- Support behind NAT devices running EZP2P

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2. Software Requirement

Items	Version
Ezhometech Ezserver	Enterprise 4.5+
Ezhometech EZP2P	1.0+
Android	5.0+

3. Hardware Requirement

Items	Specification
Ezserver	Enterprise 4.5+
Processor	Dual-Core(1.2xGHz)
Memory	At least 4GB
Network Interface	1GB
Disk Space	150MB
EZP2P	1.0+
Processor	Above 1.0GHz
Memory	At least 1GB
Network Interface	802.11 a/b/g/n
Disk Space	1GB

4. Eserver P2P Setting

- Enable P2P option
- Open P2P port in server router
- Set max connection no. for all EZP2P

Save		
1. P2P:		P2P Plus
2. P2P Port :		17020
2. EZIPTV allowed connection no.:		5

- Check Balancer panel to see EZP2P active status

Max Connection	Free Connection	Status
5	5	ON

- Check Active connection panel to see
  - HTTP streaming from Ezserver
  - P2P from other EZP2P, not from Ezserver

Country	Protocol
ZZ	HTTP
ZZ	P2P
ZZ	HTTP

5. Eserver P2P Plus Setting

- Enable P2P Plus option
- Open P2P port in server router
- Set max connection no. for all EZP2P
- Restart Ezserver

Save	
1. P2P:	P2P **Plus**
2. P2P Port :	17020
2. EZIPTV allowed connection no.:	5

- Check Balancer panel to see EZP2P active status

Max Connection	Free Connection	Status
5	5	ON

- Check Active connection panel to see
  - HTTP streaming from Ezserver
  - P2P from other EZP2P, not from Ezserver

Country	Protocol
ZZ	HTTP
ZZ	P2P
ZZ	HTTP

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6. EZP2P Setting

When you start EZP2P Player first time, you have to input Ezserver Information into the Setting. The Setting includes User name, Password, Domain name and Port No. as below:

7. P2P testing

- P2P available start time: 30 seconds
  - A player continues to watch a channels over 30 seconds, it starts to allow other players to share its channel.
  - Click Panel Active connection to check it as below:

Starting Time	IP	MAC ID	ISP	Country	Protocol
2020/07/31 22:59:20 (0:01:07)	114.34.8.11	020000000000	N/A	TW	HTTP
2020/07/31 23:00:16 (0:00:11)	114.34.8.11	020000000000	N/A	TW	P2P

- P2P is suitable for the players from the same country.
  - There are 2 players from US and 1 player from TW, then the 2nd US player can get streams from the 1st US player, but the TW player can not get streams from the 1st US player.
- P2P is suitable for differnet public IP.
  - IP: 180.1.1.2 can get streams from IP: 180.1.1.1
  - IP: 180.1.1.1 port 1000 can not get streams from IP: 180.1.1.1: port 1001. It means P2P is not suitable for players from same router.