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EzPlayer Guide

For Android Devices

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Content

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1 Overview

EzPlayer is an Android player that plays channels, movies and series from Ezserver with user authentication.

1.1 Related Information

Ezserver Documents:

https://www.ezhometech.com/document/Ezserver_v7_0_Tutorial.pdf
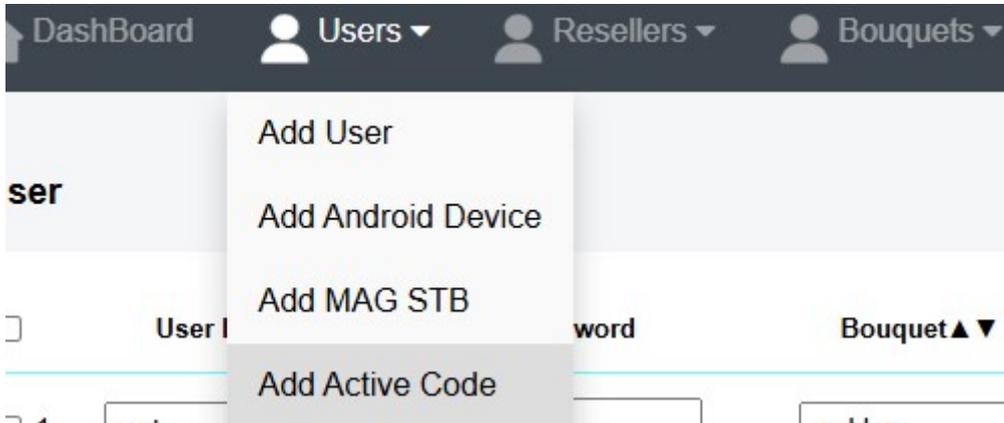
https://www.ezhometech.com/html/ezserver_user_guide.html

2 Panel User Management

There are 2 options for player activation.

Click "**Add Active Code**" and Input Device Serial number

- ✧   Active Code is auto generated by system random generator.
- ✧   Each active code is limited by one device.

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- Click "**Add User**" and Input User name / password

New User

User at	18	User Name	test
Password	1234	Rating Password	7402473116
Group	basic	Level	User
Expired Time	1 month	Connection Limit	1
IP		MAC ID	

Add	Cancel

3 EzPlayer

It is a streaming player on android mobile / TV / STB devices. That plays channels, movies and series from Ezserver for Internet users.

Features:

- **TV, Movie and Series**
- **Support Multicast AES Encrypted Channels**
- **Support OTT AES Encrypted Channels**
- **Parent Control of adult content**
- **Support TMBD for Movie and Series**
- **Channel Video Format: MPEG2/H264 Transport Stream**
- **Channel Audio Format: MP3/AAC, ADTS Stream**
- **Movie Format: MP4, MKV**

Hardware Requirement:

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

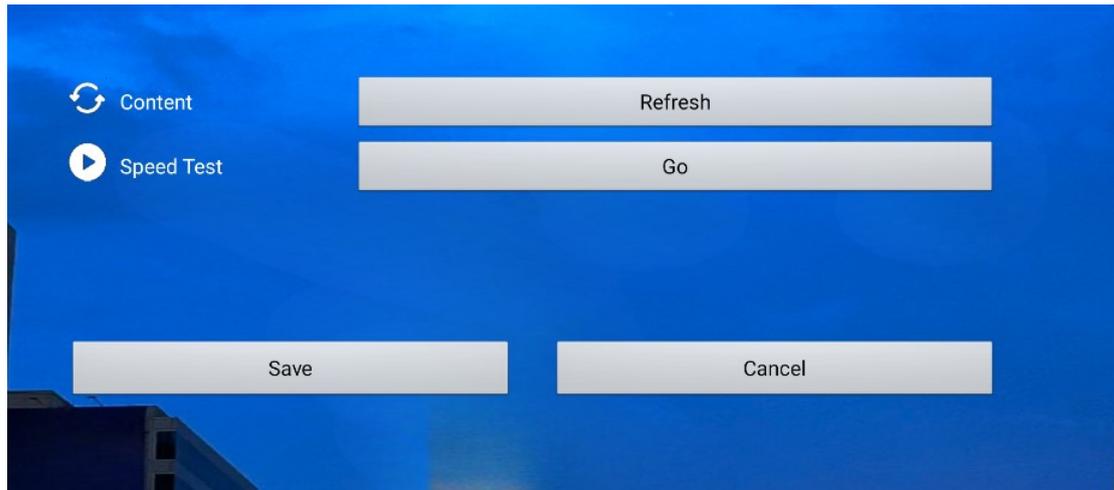Software Requirement:

- **Android 5.0+**
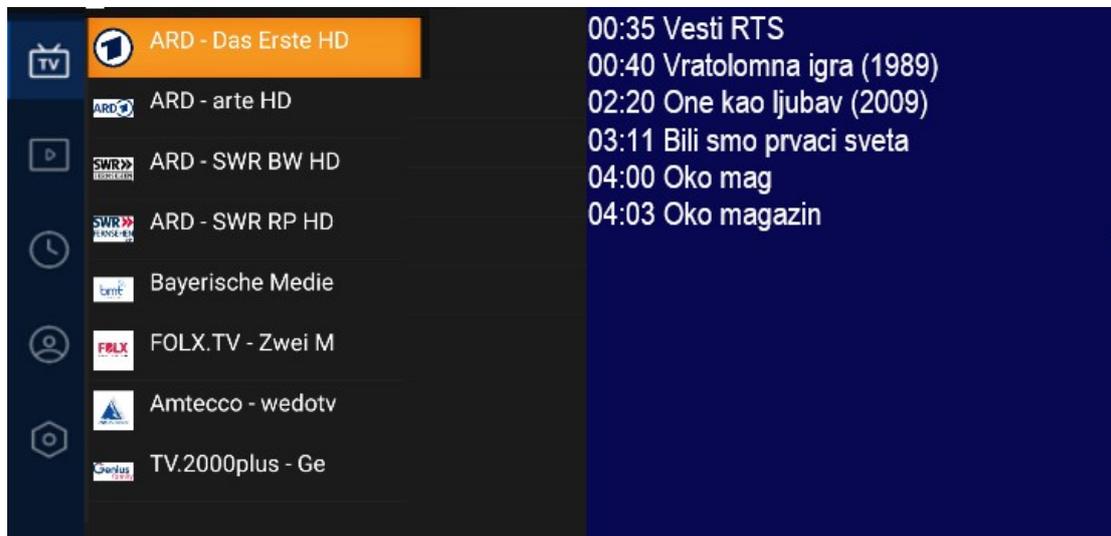
3.1 Player Setting

Content Refresh:

- Download new content from Ezserver.

Speed Test:

- Get download Bitrate between Ezserver and Player.

3.2 User Setting

Click Activation Button

3.3 User Activation

There are 3 options for player activation.

1. Active Code:

2. User name and password

3. Signup

3.4 Signup Trial Period
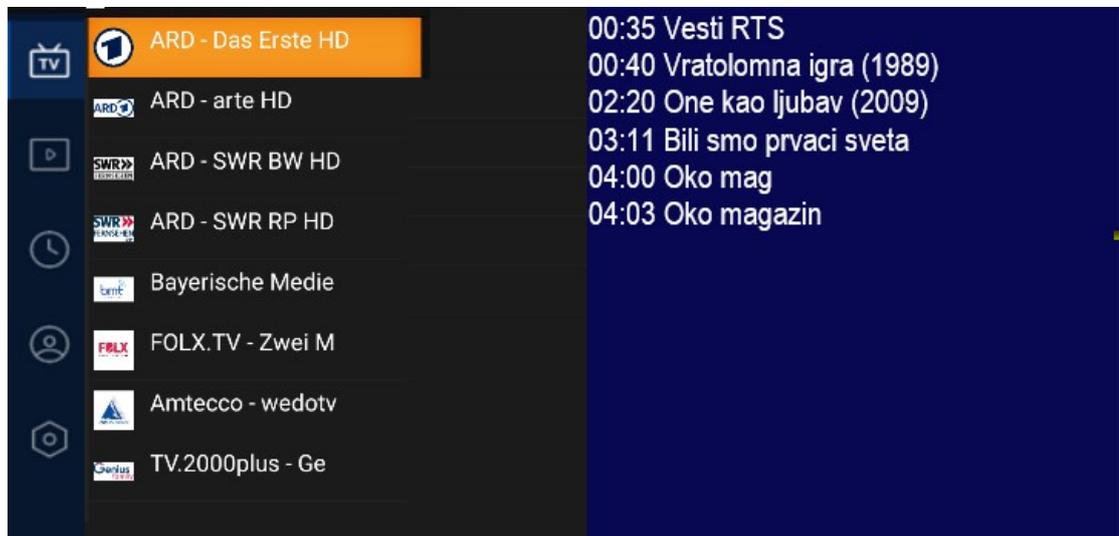
Click Panel Package Menu to set one package trial period.
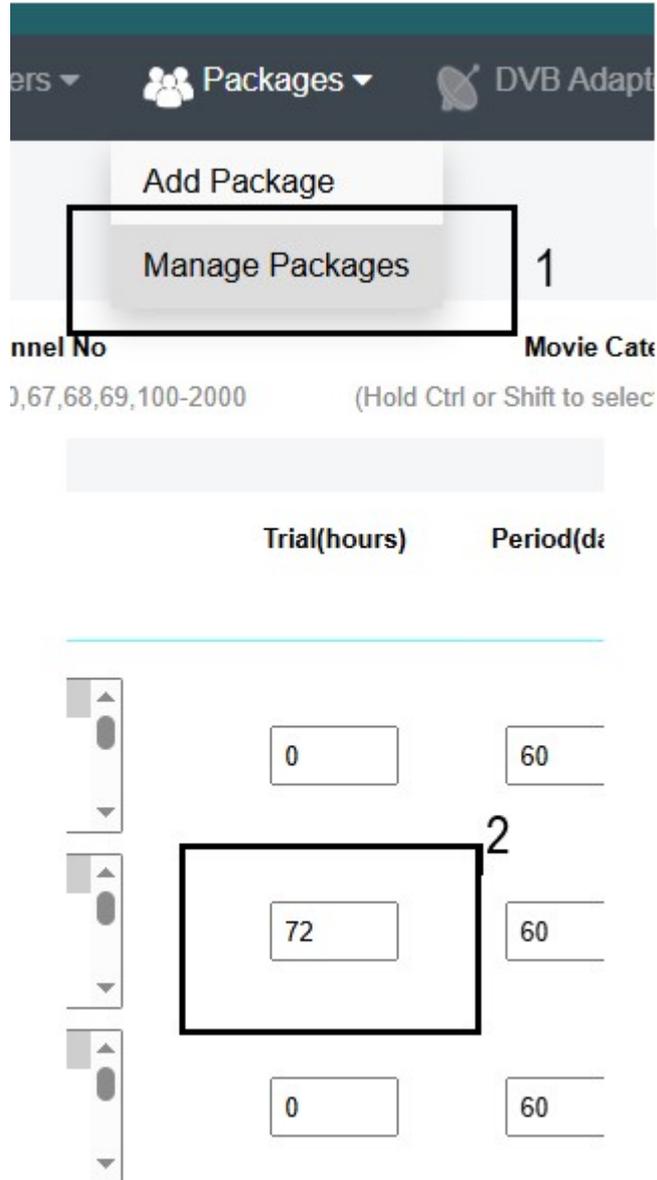
4 Channels

- Select [TV] in main menu to get all channels with EPG as below:

- Select a channel (first column) to view its EPG

- Use Up / Down arrows or touch to scroll the EPG

- Click a channel (first column) to start playback.

- Press OK to open the channel list and switch channels

Channel list overlaid on video

- Watch TV recorded programs from the past **x days**
  - ◇ Enable Catch-up days of live channels

TV2

On Demand	⬤	HLS	⬤
Channel SID		EPG Channel ID	TV2
Buffer Size	8000	❶ Bitrate Tolerance	0 ❶
Catch Up Days	7	Server	Main Server

Live TV channels are recorded for up to 7 days based on EPG schedule data.

  - ◇ Refer Section 2.5 EPG Management of Ezserver_v7_0_Tutorial.pdf to create EPG schedules.

🏠 DashBoard	👤 Users ▾	🖥 Channels ▾	🎬 Movies ▾	🎞 Series ▾

Add Channel

EPG

Manage Channels

Channel [1 ▾] [2022 ▾]   Manage EPG

No.	Start Time	Stop Time	
1	06:41	06:50	
2	2022/05/04 00:25:00	2022/05/04 00:30:00	
3	2022/05/04 00:30:00	2022/05/04 02:20:00	

  - ◇ Click the program name with [*] optiion is for Catch up TV that was recorded

Meteo Media HD	[*] 05:00 Prévisions météorologiques
A N	[*] 06:00 Prévisions météorologiques
Cpac	[*] 07:00 Prévisions météorologiques
LCN	[*] 08:00 Prévisions météorologiques
RDI	[*] 09:00 Prévisions météorologiques
TV5	[*] 10:00 Prévisions météorologiques
SMTP1	[*] 11:00 Prévisions météorologiques
ICI Artv	[*] 12:00 Prévisions météorologiques
Unis TV	[*] 13:00 Prévisions météorologiques
Tele Quebec	[*] 14:00 Prévisions météorologiques

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- Hold the OK button or press Touch to open the More options dialog for Favorite and content control features
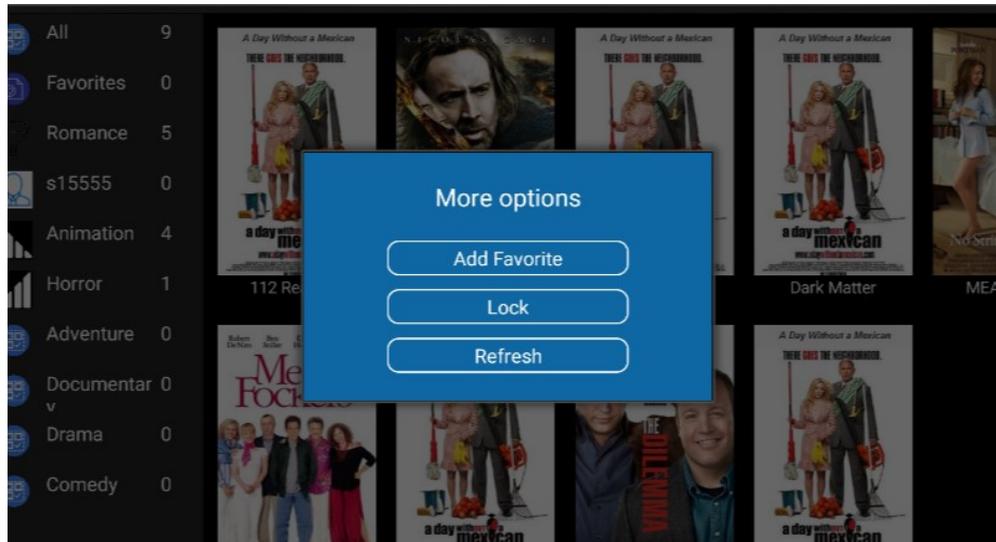
- For Locking: Press the Lock button to lock the channel. To set a password, **hold the OK button** to reopen the menu, select **Lock**, and then click the **Update Password** button to access the password settings.

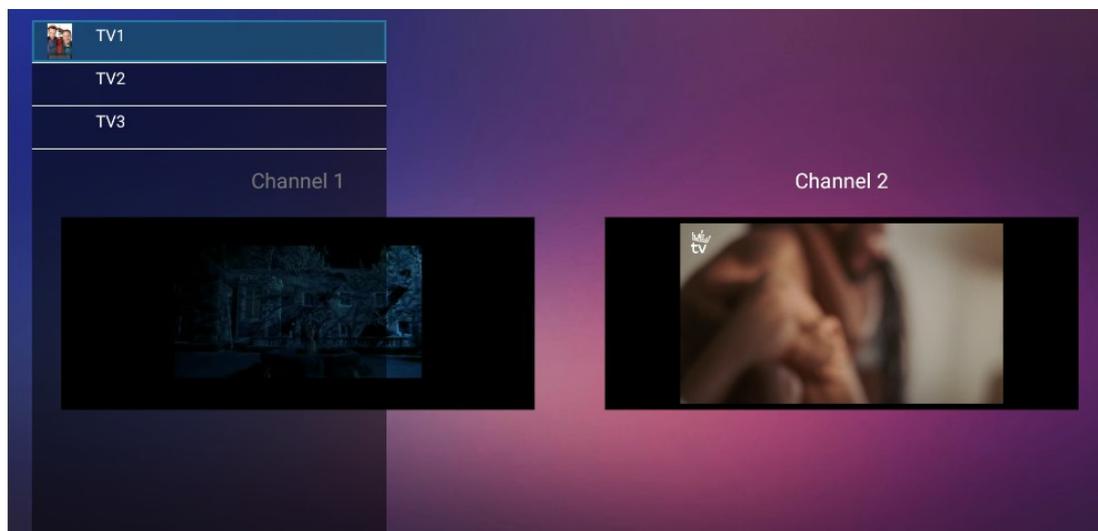# 5 Dual Channels

- Set the user's connection limit to 2.

test

First Name		Last Name	
Rating Password	9080013494	Level:	User
Connection Limit	2	Connections	1

- Click [TV] in main menu.

- Dual TV displays two channels and opens the channel list menu OK button.

6 Movies

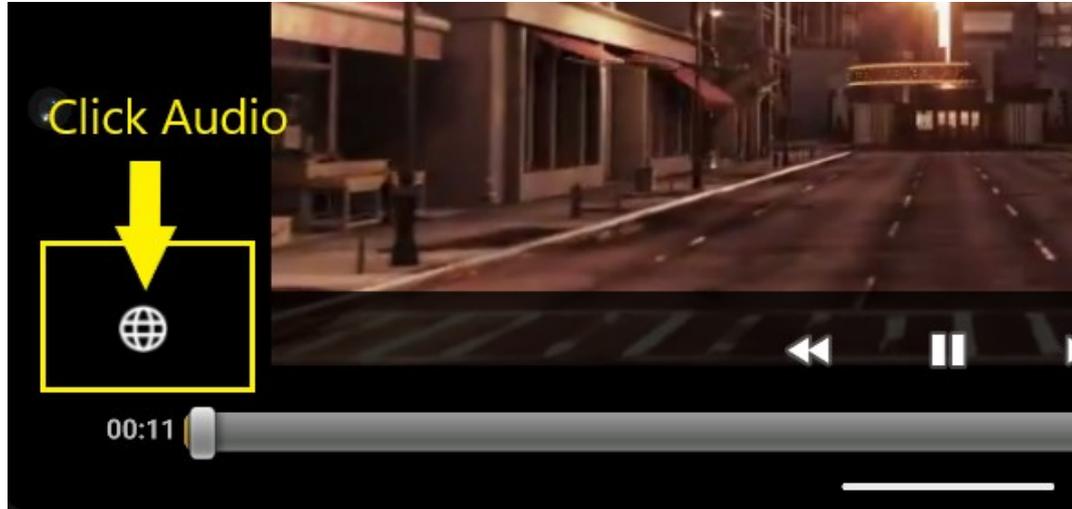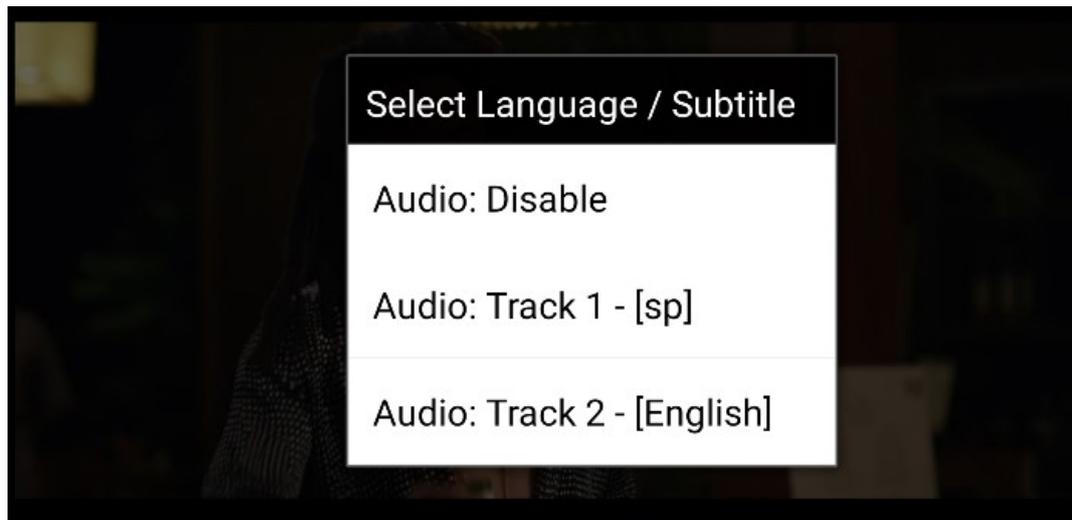- Select [▷] in main menu to get all movies with categories as below:

All	6	
Favorites	2	
FILMES | TERROR /	5	
FILMES | LEGENDADOS	1	
FILMES | ACÃO /	0	
FILMES | DRAMA /	0	
FILMES | COMEDIA	0	
LUTAS | UFC	1	
LANÇAMENTOS	0	
FILMES | FICÇÃO /	0	

Civil War   Twisters   Elyas   Turk 182!   The Sand R..

Movie TMDB information

Twisters

★★★★★★★☆☆☆

Director: Lee Isaac Chung
Info: 46min | Action, Adventure, Thriller | 2024-07-10
Cast Daisy Edgar... Glen Powell Anthony Ra... Brandon Pe... Maura Tiern... Harry Hadd...

Story As storm season intensifies, the paths of former storm chaser Kate Carter and reckless social-media superstar Tyler Owens collide when terrifying phenomena never seen before are unleashed. The pair and their competing teams find themselves squarely in the paths of multiple storm systems converging over central Oklahoma in the fight of their lives.

You may also like

PLAY▶   FAV♡

Select Audio and subtitle

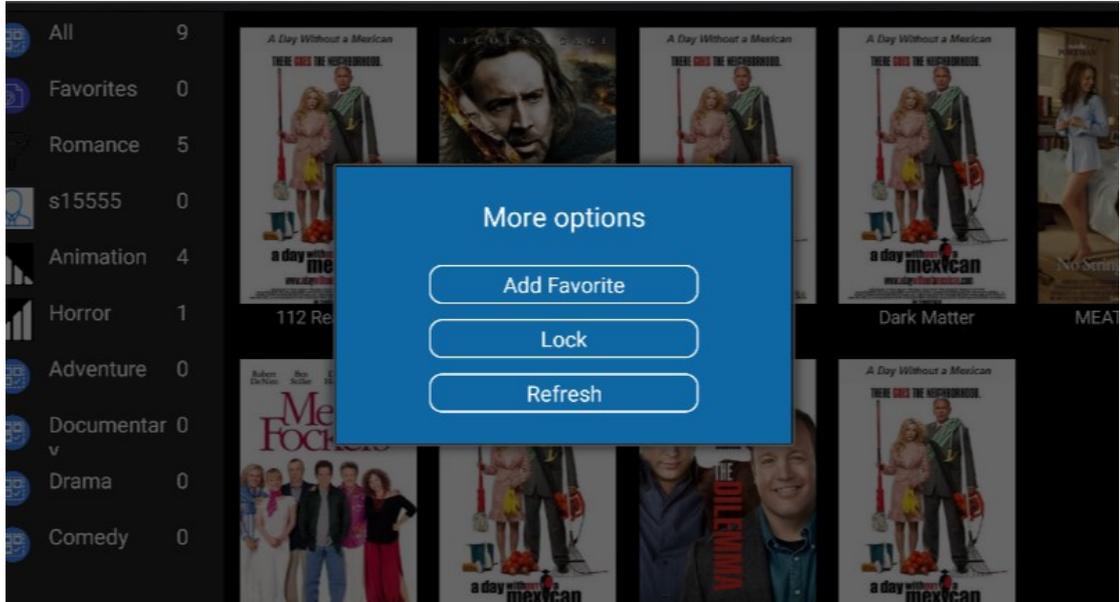- Click OK or Pause button to show earth icon

- Click earth icon to show the below menu.

Content Control

- Hold the OK button or press Touch to open the More options dialog for Favorite and content control features
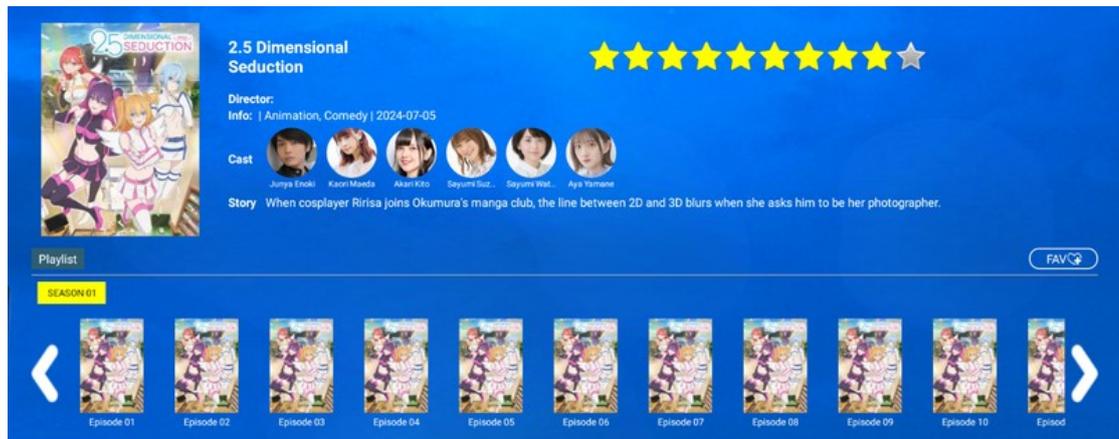
7 Series

- Select ⬚ in main menu to get all series with categories as below:
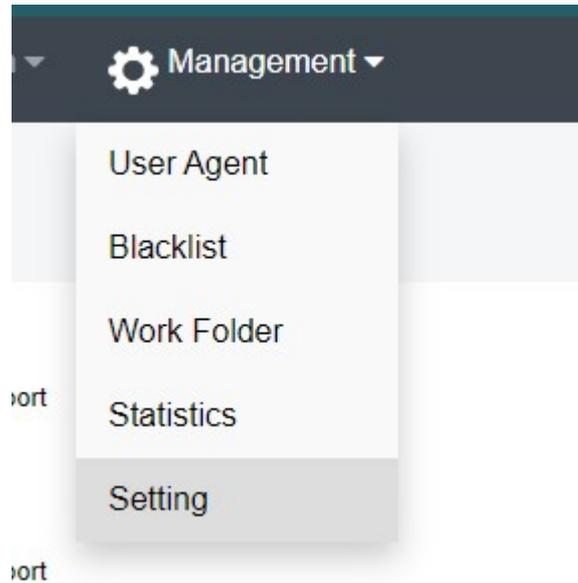

Series TMDB information

8 Initial setting

8.1 Ezserver Initial setting

8.1.1 API Port setting:

Login Panel and Click Setting menu. Set API Port to 17000 for Player connection.

9 IPTV Multicast Encryption

9.1 Server setting

- Set Multicast output IP and Port
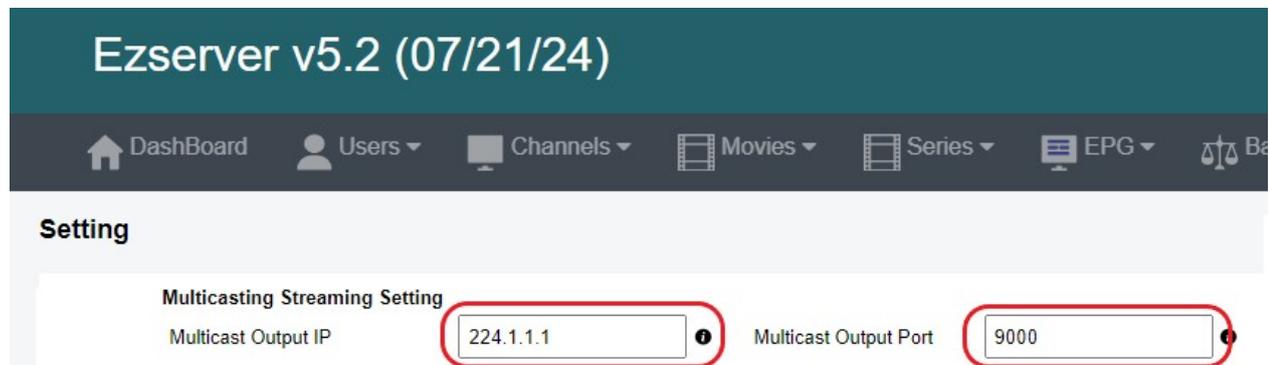
- Login ssh console and use tcpdump to check udp streams

9.2 Encryption setting

- Defined at **hls_multicast_aes** of ezserver_config.txt
    - **hls_multicast_aes**=0 (No encryption)
    - **hls_multicast_aes**=1 (low encryption)
    - **hls_multicast_aes** =2 (high encryption)
    - restart ezserer

9.3 Encryption Key

- add AES.key into /home/ezserver_enterprise/ folder
    - Any 16-byte key inside

10 OTT Unicast Encryption

10.1 Panel setting

- Enable AES Encryption