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EzPlayer Plus Guide

For Android Devices

Revision: 01/26/2026



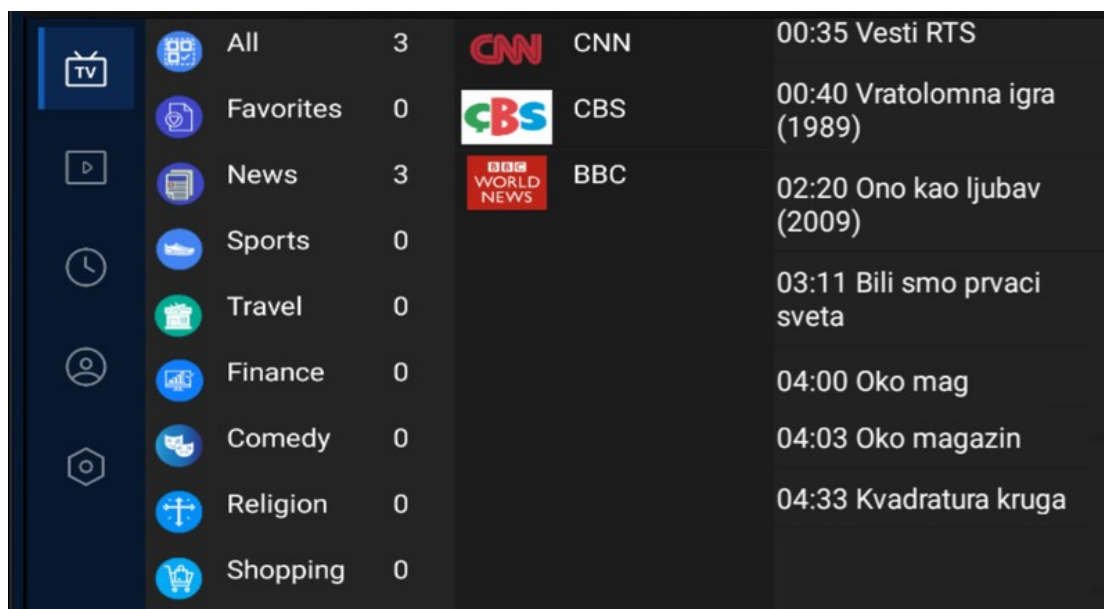
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1 Overview

EzPlayer Plus 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

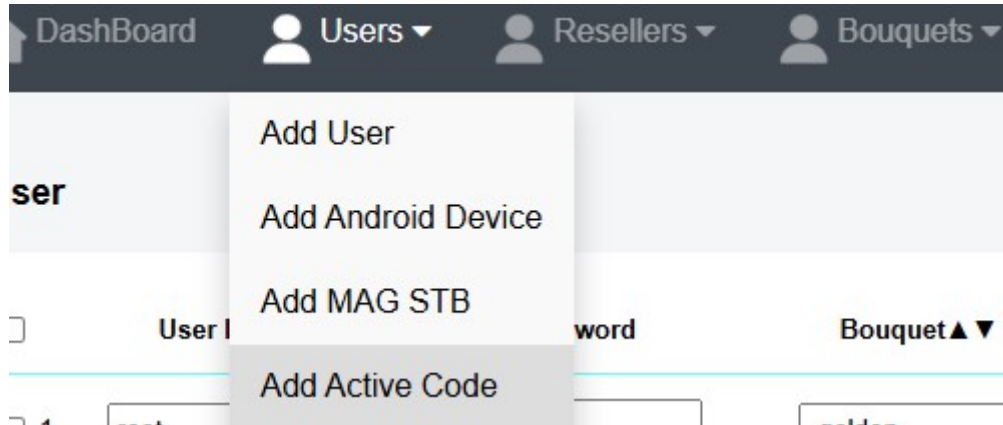
https://www.ezhometech.com/html/ezserver_user_guide.html



2 Panel User Management

There are 2 options for player activation.

Click “**Add Active Code**” and Input Device Serial number



New Active Code

User at	18	Active Code	4866693631
Password		Rating Password	1234
Group	basic	Level	User
Expired Time	1 month	Connection Limit	1
IP		Device Type	activecode

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



- Click “**Add User**” and Input User name / password

The screenshot shows the top navigation bar with 'DashBoard', 'Users', 'Resellers', and 'Bouquets'. The 'Users' menu is open, showing options: 'Add User', 'Add Android Device', 'Add MAG STB', 'Add Active Code', and 'Manage Users'. Below the menu, a table lists existing users with columns for checkboxes, User ID, User Name, Password, and Bouquet.

	User ID	User Name	Password	Bouquet ▲ ▼
☐	1	root		golden ▼
☐	2	test		golden ▼

The 'New User' form contains the following fields:

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	

Buttons: Add, Cancel



3 EzPlayer Plus

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

Features:

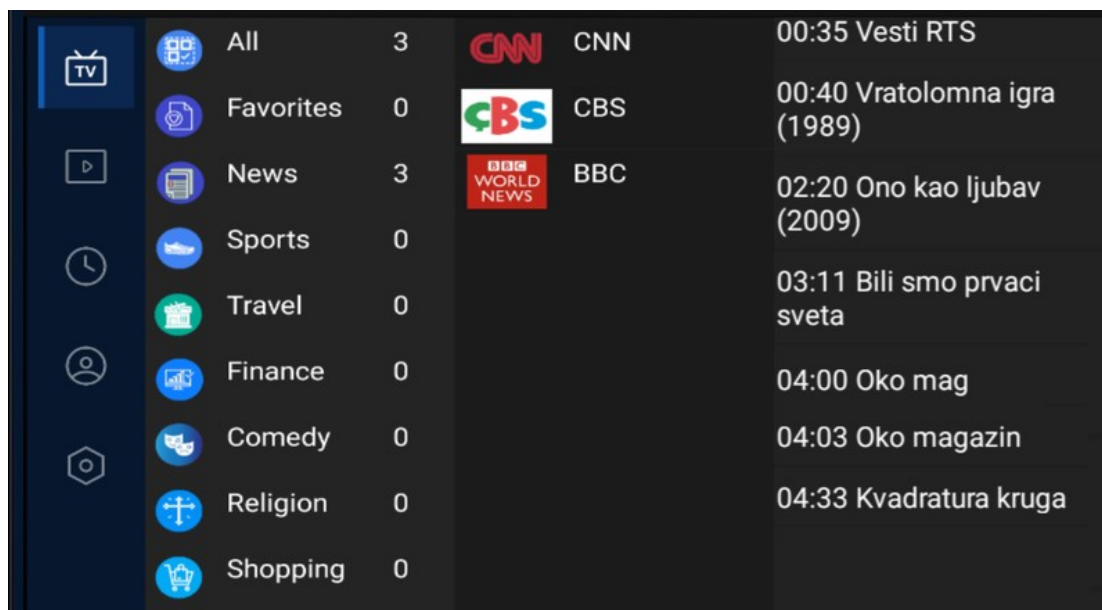
- **TV, Movie and Series**
- **Support Multicast AES Encrypted Channels**
- **Support OTT AES Encrypted Channels**
- **Parent Control of adult content**
- **Support TMBD for Movie and Series**
- **Channel Video Format: MPEG2/H264 Transport Stream**
- **Channel Audio Format: MP3/AAC, ADTS Stream**
- **Movie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

Hardware Requirement:

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

Software Requirement:

- **Android 5.0+**





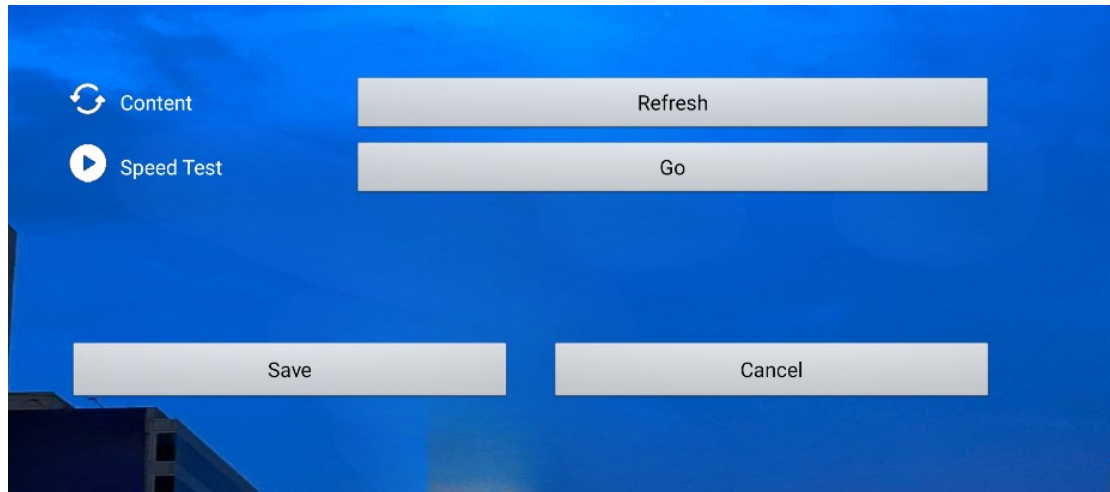
3.1 Player Setting

Content Refresh:

- Download new content from Ezserver.

Speed Test:

- Get download Bitrate between Ezserver and Player.





3.2 User Setting

Click Activation Button

	DVB FTA Channel	Ezserver Demo
	User	0726002 Active
	Service Period	Expire after 3 days
	Contact	sales@ezhometech.com

Activation

Contact Provider

Cancel



3.3 User Activation

There are 3 options for player activation.

1. Active Code:

Activation code

Activated

2. User name and password

User name

Password

Login

3. Signup

User name

Password

Confirmed Password

SIGN UP Cancel



3.4 Signup Trial Period

Click Panel Package Menu to set one package trial period.

ers ▾ Packages ▾ DVB Adapt

Add Package

Manage Packages 1

nnel No Movie Cate

1,67,68,69,100-2000 (Hold Ctrl or Shift to selec

Trial(hours)	Period(days)
0	60
72	60
0	60



4 Channels

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

		All	3		CNN	00:35 Vesti RTS
		Favorites	0		CBS	00:40 Vratolomna igra (1989)
		News	3		BBC	02:20 Ono kao ljubav (2009)
		Sports	0			03:11 Bili smo prvaci sveta
		Travel	0			04:00 Oko mag
		Finance	0			04:03 Oko magazin
		Comedy	0			04:33 Kvadratura kruga
		Religion	0			
		Shopping	0			

- 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

		All	3		CNN	00:35 Vesti RTS
		Favorites	0		CBS	00:40 Vratolomna igra (1989)
		News	3		BBC	02:20 Ono kao ljubav (2009)
		Sports	0			03:11 Bili smo prvaci sveta
		Travel	0			04:00 Oko mag
		Finance	0			04:03 Oko magazin
		Comedy	0			04:33 Kvadratura kruga
		Religion	0			
		Shopping	0			



- 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

Buffer Size Bitrate Tolerance

Catch Up Days 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

EPG

Channel

Add Channel
Manage Channels
Manage EPG

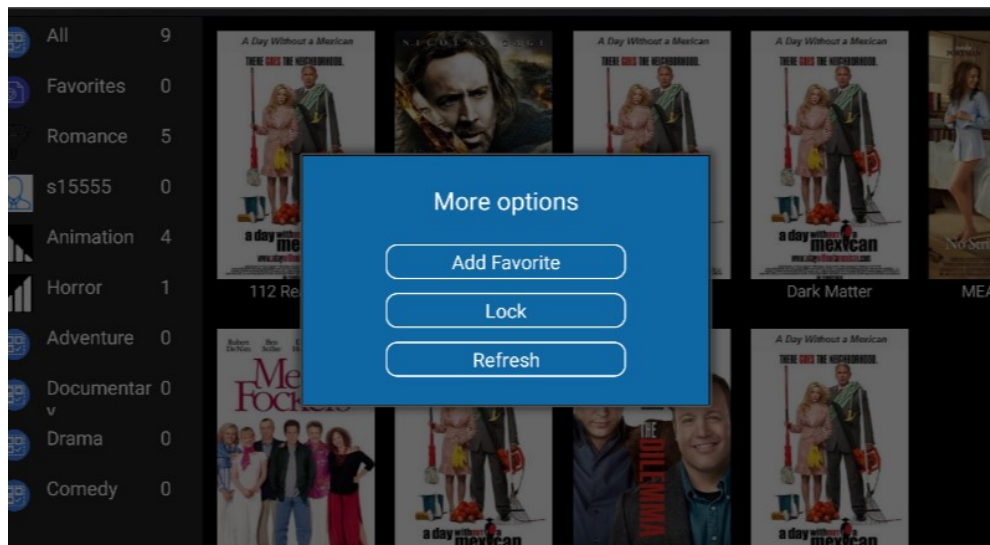
No.	Start Time	Stop Time
1	06:41	06:50
2	2022/05/04 00:25:00	2022/05/04 00:30:00
3	2022/05/04 00:30:00	2022/05/04 02:20:00

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

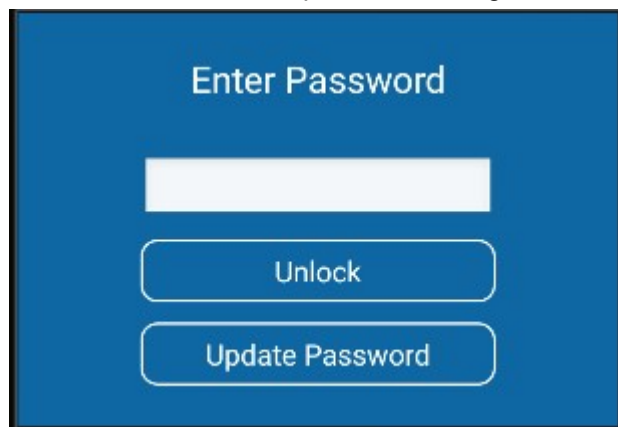
Meteo Media HD	[*] 06:00 Prévisions météorologiques
A N	[*] 06:00 Prévisions météorologiques
Cpac	[*] 07:00 Prévisions météorologiques
LCN	[*] 08:00 Prévisions météorologiques
RDI	[*] 09:00 Prévisions météorologiques
TV5	[*] 10:00 Prévisions météorologiques
SMTP1	[*] 11:00 Prévisions météorologiques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



- 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.





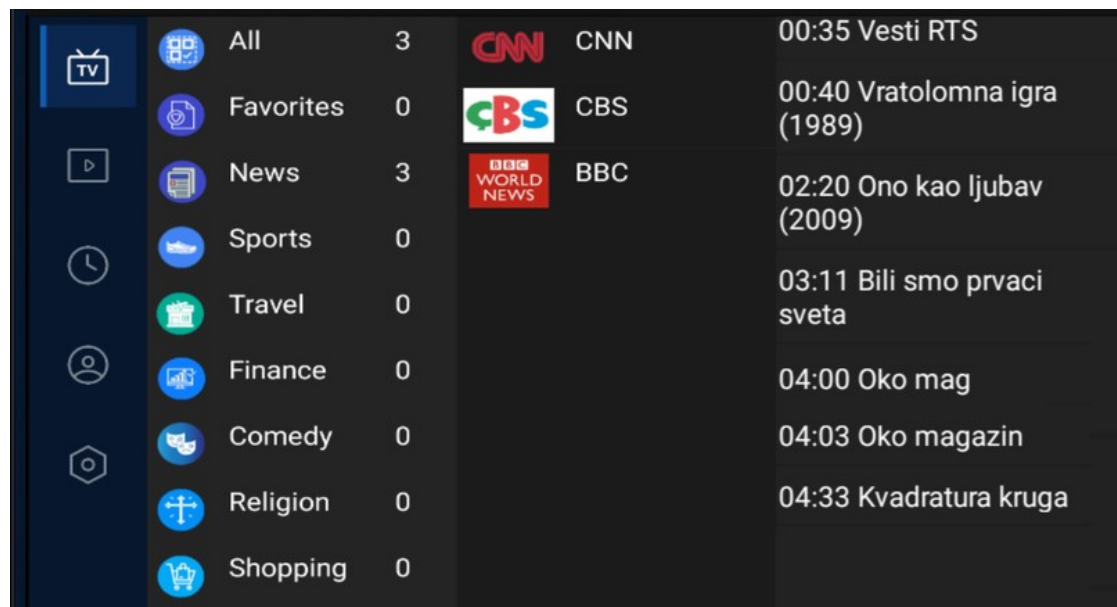
5 Dual Channels

- Set the user's connection limit to 2.

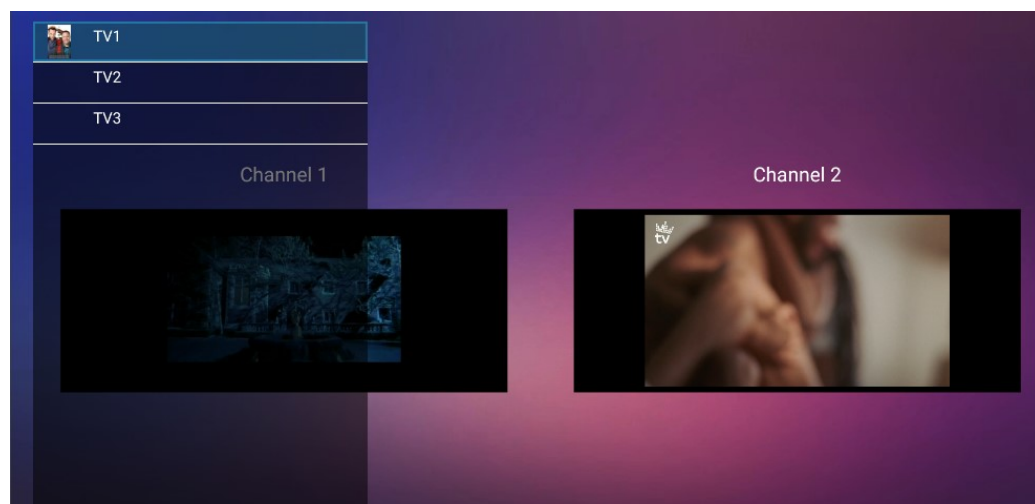
test

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

- Click  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:



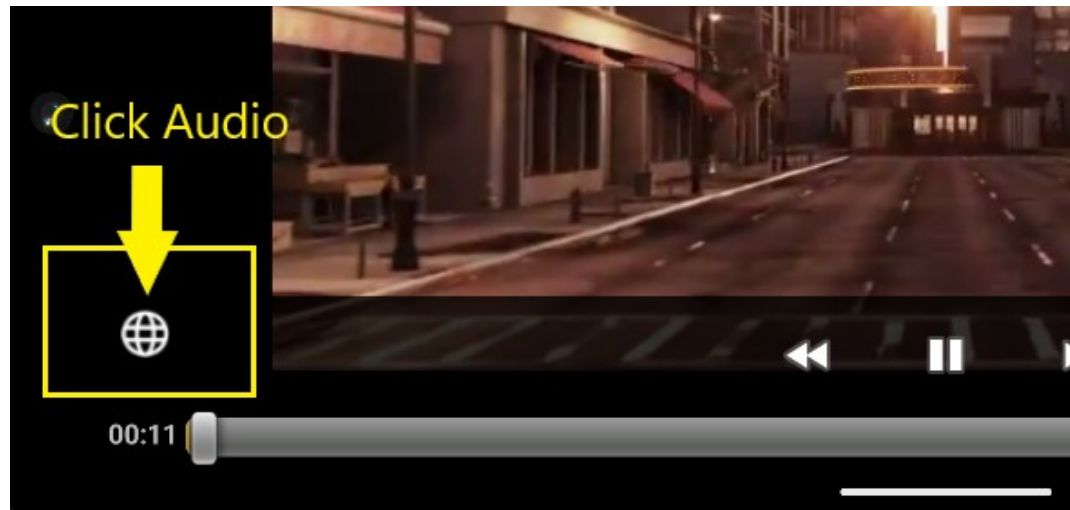
Movie TMDB information



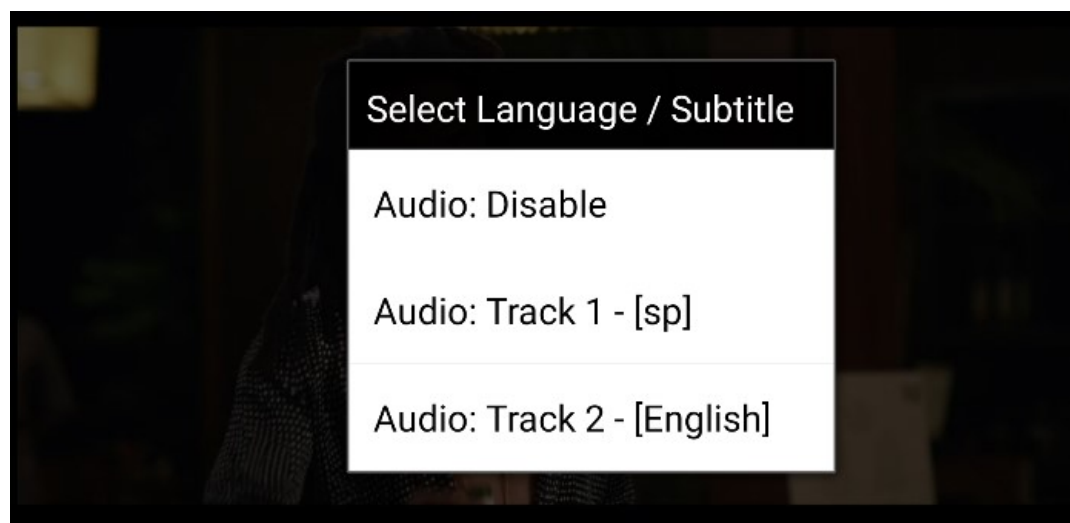


Select Audio and subtitle

- Click OK or Pause button to show earth icon



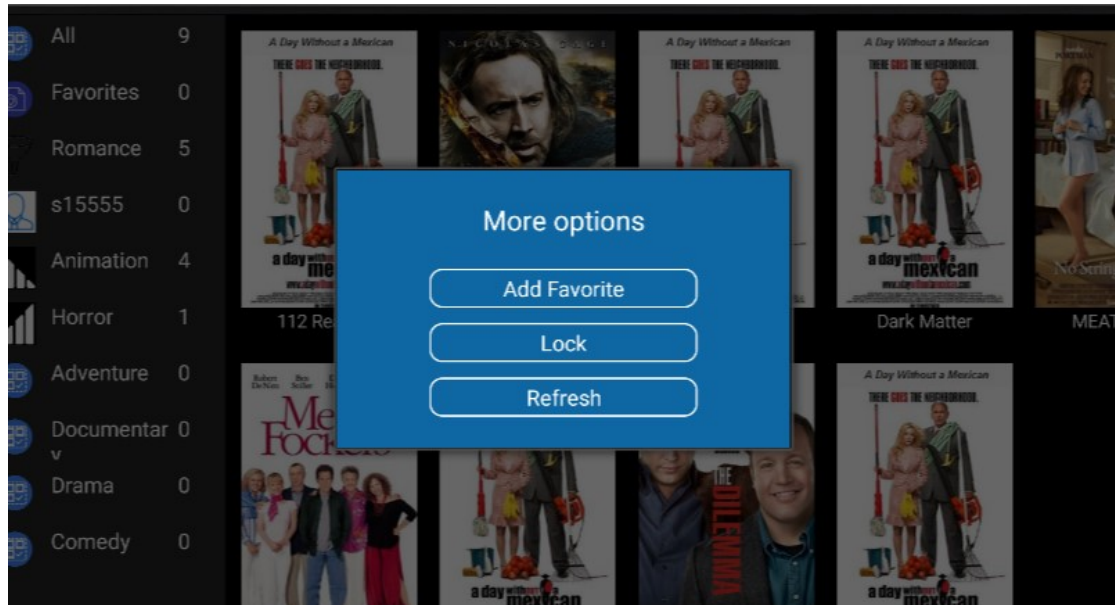
- Click earth icon to show the below menu.





Content Control

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



← Favorite Added

← Lock Added

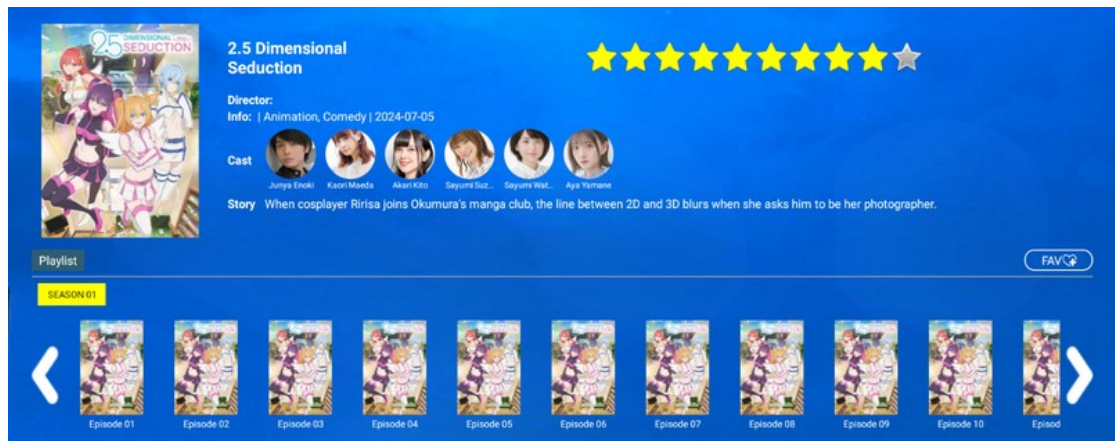


7 Series

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



Series TMDB information



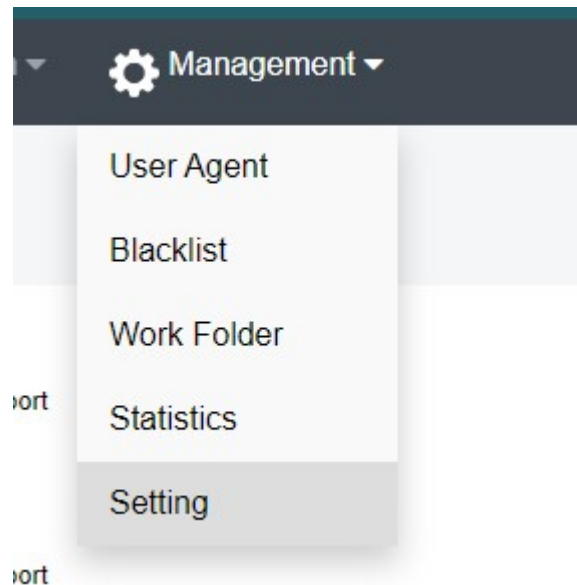


8 Initial setting

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.



Setting

HTTPS Setting	
Panel port	18443
Streaming port	443
HTTP Setting	
Panel port	18000
Streaming port	8000
API port	17443
API port	17000



9 IPTV Multicast Encryption

9.1 Server setting

- Set Multicast output IP and Port

Ezserver v5.2 (07/21/24)

Dashboard Users Channels Movies Series EPG Ba

Setting

Multicasting Streaming Setting

Multicast Output IP Multicast Output Port

- Login ssh console and use tcpdump to check udp streams

```
root@u20:~# tcpdump -i enp0s25 | grep 224.1.1.1
04:43:57.581563 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.661703 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.661734 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.661762 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.661790 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.661817 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.661844 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.661871 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.742015 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.742047 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.742075 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.742102 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.742130 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
04:43:57.742157 IP u20.55797 > 224.1.1.1.9000: UDP, length 1316
```

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 ezserver

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

TV1

On Demand	☒	HLS	☐
Channel SID		EPG Channel ID	TV1
Buffer Size	8000	Bitrate Tolerance	0.99
Catch Up Days	0	Proxy Mode	Disabled
Input Adapter	127.0.0.1	AES Encryption	☒
Blockchain Region		Blockchain Group ID	
Sub Categories	News	Add Item	