



# Timeshift Player

## User Guide

[www.ezhometech.com](http://www.ezhometech.com)

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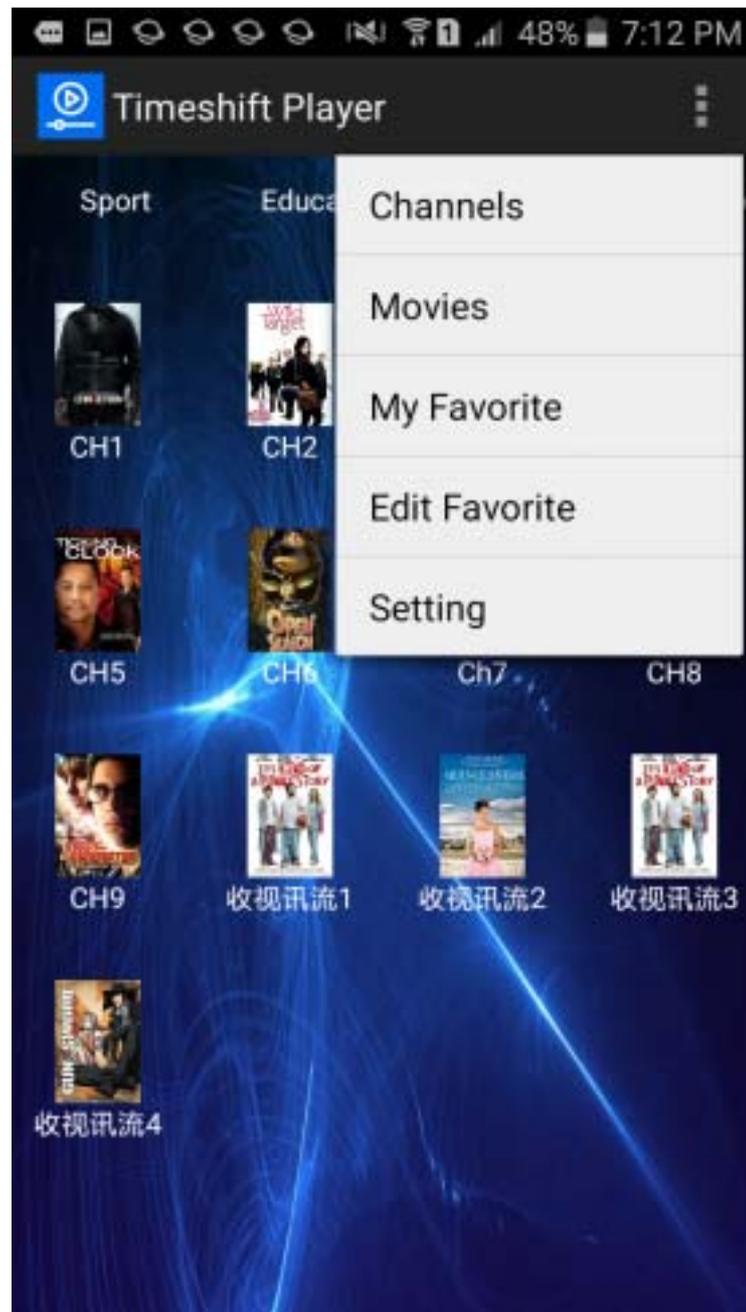
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## 1. Introduction

Timeshift Player can play, pause, forward and backward TV channels and Movies from Ezserver.

Features:

- Timeshift Channels for Moible devices and TV
- Video on Demand



## 2. Software Requirement

Items	Version
Ezhomotech Ezserver	3.1
Android	Above 4.x, 5.x, 6.x

## 3. Hardware Requirement

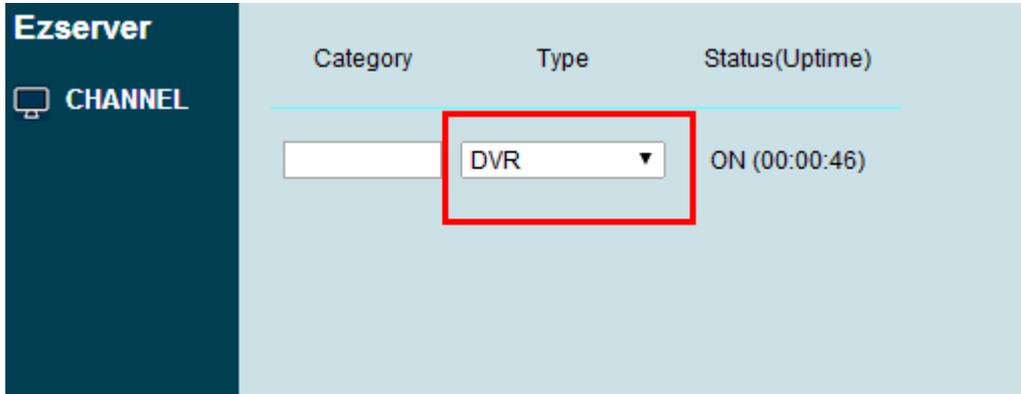
Items	Specification
Processor	Above 1.0GHz
Memory	At least 1GB
Network Interface	802.11 a/b/g/n
Disk Space	1GB

## 4. Software Specification

<b>General Function</b>
<ul style="list-style-type: none"><li>• HTTP Streaming Protocol</li></ul>
<ul style="list-style-type: none"><li>• MAC Address protection</li></ul>
<ul style="list-style-type: none"><li>• Support Smart TV, IP STB, Tablet PC, Mobile Phone</li></ul>
<ul style="list-style-type: none"><li>• Support Touch Screen Menu</li></ul>
<ul style="list-style-type: none"><li>• Support Remote Controller</li></ul>
<ul style="list-style-type: none"><li>• Support Video Server: EZserver</li></ul>
<ul style="list-style-type: none"><li>• Automatic App Update</li></ul>
<ul style="list-style-type: none"><li>• Automatic Start</li></ul>
<b>IPTV/OTT</b>
<ul style="list-style-type: none"><li>• Video Streaming From Ezserver</li></ul>
<ul style="list-style-type: none"><li>• Channel Selection</li></ul>
<ul style="list-style-type: none"><li>• Timeshift Channels for play, pause, forward/backward seek</li></ul>
<ul style="list-style-type: none"><li>• Video Format: MPEG2/H264 Transport Stream, Adobe FLV</li></ul>
<ul style="list-style-type: none"><li>• My Favorite</li></ul>
<ul style="list-style-type: none"><li>• Time expired checking</li></ul>
<ul style="list-style-type: none"><li>• Automatic Channel Update</li></ul>
<b>Video On Demand</b>
<ul style="list-style-type: none"><li>• Video Format : MP4, Adobe FLV</li></ul>
<ul style="list-style-type: none"><li>• Playback : Pause, Play, Resume, Forward/Backward Seek</li></ul>
<ul style="list-style-type: none"><li>• Menu Bar for Movie Category</li></ul>
<ul style="list-style-type: none"><li>• Automatic and Real-Time Movie Category Update</li></ul>
<ul style="list-style-type: none"><li>• Easy-to-Use Playback Menu</li></ul>
<b>Setting</b>
<ul style="list-style-type: none"><li>• User Name and Password</li></ul>
<ul style="list-style-type: none"><li>• Domain Name</li></ul>
<ul style="list-style-type: none"><li>• Port</li></ul>

### 5. Create Timeshift Channel and New User in Panel

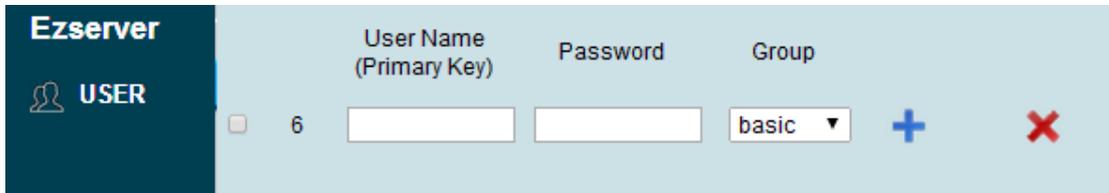
- o Login IPTV panel
- o Click Channel button and set Type to **DVR**, then click Save button.



- o Click User button and click + button.



- o Panel will show the empty user fields



- o Input user id, password and etc., then click + button to save it



## 6. Timeshift Channels on Mobile devices

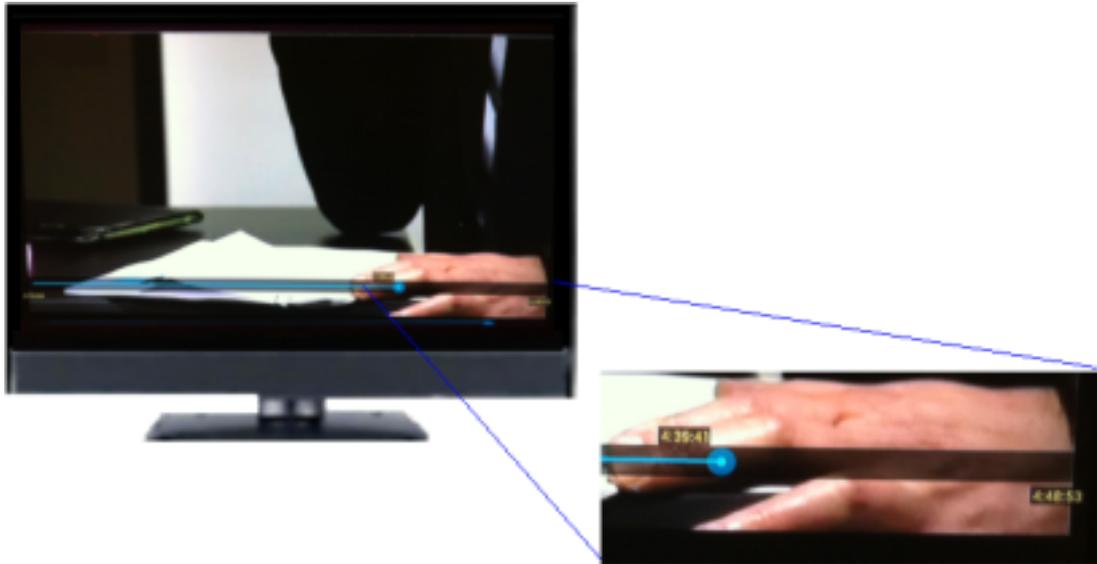
When you click a **timeshift channel** icon to watch it, you can click any position of the screen to enable OSD menu for **seek bar** and **playback buttons**.

- For **playback buttons**,
  - ◆ Click **play button** to disable the OSD menu
  - ◆ Click **pause button** to pause the channel.
- For **seek bar**, you can click drag the **seek button** to forward/backward channel.
- For **channel zapping**, you can slide your finger from left-to-right or right-to-left to zap a channel.
- For **ToLive button**, you can watch the live channel back.
- 



## 7. Timeshift Channels on TV

Connect STB with TV and use backward and forward buttons of a remote control for timeshift function.



### Speical Buttons for DVR:

- **Right Arrow Button:** Fast Backward
- **Left Arrow Button:** Fast Forward
- **Up Arrow Button:** Slow Backward
- **Down Arrow Button:** Slow Forward

### 8. Movies on Mobile devices

Select MOVIES in main menu to get all movies with categories as below:



Select one movie icon to watch the movie. You can also click any position of the screen to enable OSD menu for the **seek bar** and **playback buttons**.

- For **playback buttons**,
  - ◆ Click **play button** to disable the OSD menu or resume the movie.
  - ◆ Click **stop button** to stop movie or **pause button** to pause movie.
- For **seek bar**, you can click drag the **seek button** to forward/backward movie.

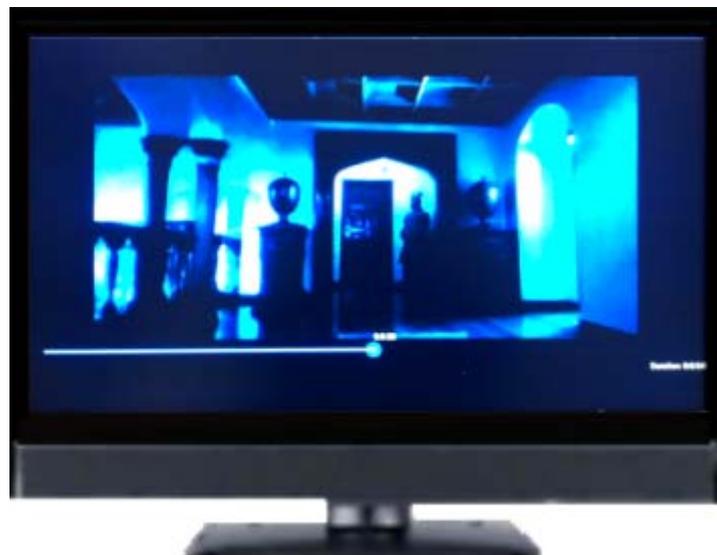


## 9. Movies on TV

When you select a movie Category on the menu bar, Timeshift Player will show movies in the TV screen and you can watch a movie using a remote control.



When a movie is playing, you can press “OK” button to show the playback menu to pause, resume, even forward seek by “Right-Arrow” button “OK” button, backward seek by “Left-Arrow” button with “OK” button.

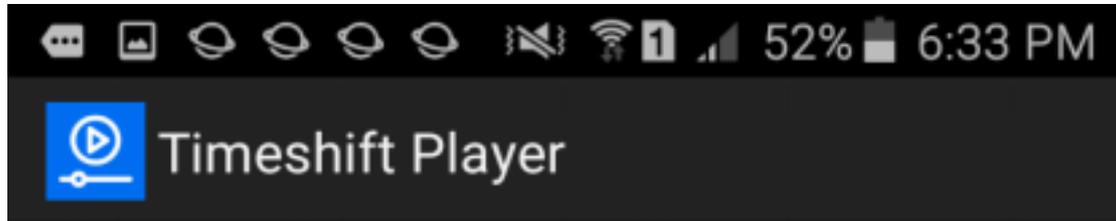


### Buttons:

- “OK” Button: Pause/Resume, Play for Forward/Backward Seek
- “Right-Arrow” Button: Forward Seek
- “Left-Arrow” Button: Backward Seek
- “Back” or “Stop” Button: Back to VOD Menu

## 10. Setting

When you start Timeshift 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:



Version: 1.54

User name:

Password:

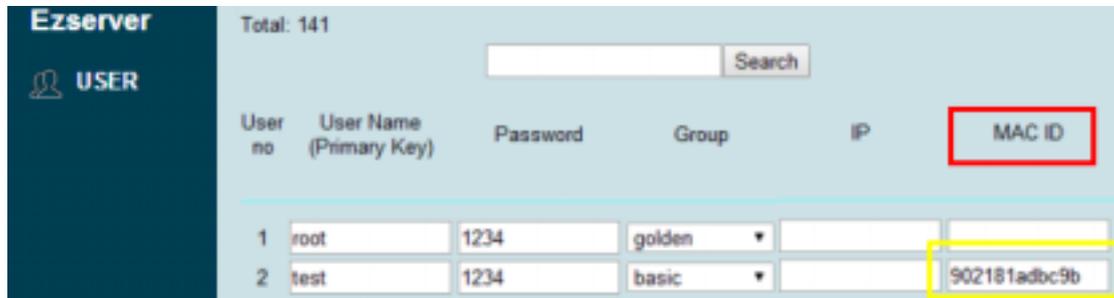
Domain name :

Port :

## 11. MAC Address Protection

Timeshift Player supports MAC Address mechanism with EZserver for Video Streaming Protection.

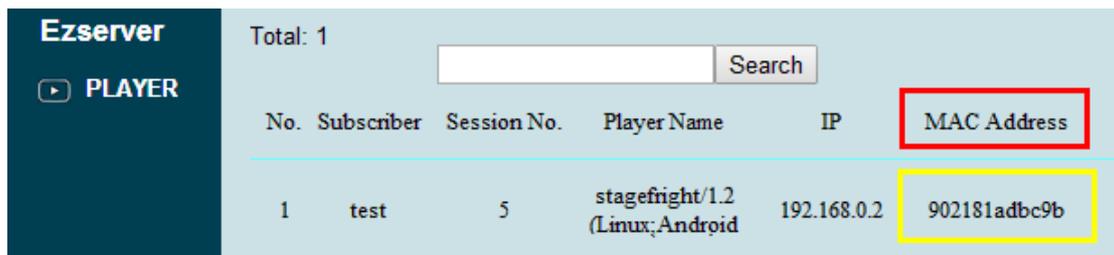
Administrator can define the player MAC address in MAC ID field of each user in User panel.



The screenshot shows the 'EZserver USER' panel. It features a search bar and a table with columns: User no, User Name (Primary Key), Password, Group, IP, and MAC ID. The MAC ID column is highlighted with a red box. Two users are listed: 'root' with password '1234' and group 'golden', and 'test' with password '1234' and group 'basic'. The MAC ID for the 'test' user is '902181adbc9b', which is highlighted with a yellow box.

User no	User Name (Primary Key)	Password	Group	IP	MAC ID
1	root	1234	golden		
2	test	1234	basic		902181adbc9b

When the player connects EZserver, EZserver will check its MAC Address for the legal connection. If the player has correct MAC Address with its user name, EZserver will show its connection in Player panel with its MAC Address.



The screenshot shows the 'EZserver PLAYER' panel. It features a search bar and a table with columns: No., Subscriber, Session No., Player Name, IP, and MAC Address. The MAC Address column is highlighted with a red box. One player is listed: 'test' with session number '5', player name 'stagefright/1.2 (Linux;Android)', and IP '192.168.0.2'. The MAC Address for this player is '902181adbc9b', which is highlighted with a yellow box.

No.	Subscriber	Session No.	Player Name	IP	MAC Address
1	test	5	stagefright/1.2 (Linux;Android)	192.168.0.2	902181adbc9b

## 12. Timeshift Recording Buffer Size

It is the duration for recording live video to do timeshift functions as pause, resume, backward and forward.



The screenshot shows the 'EZserver SETTING' panel. It features a search bar and a table with columns: Setting. The setting '12. DVR Duration:' is shown with a value of '5' in a text input field, followed by 'min.'.

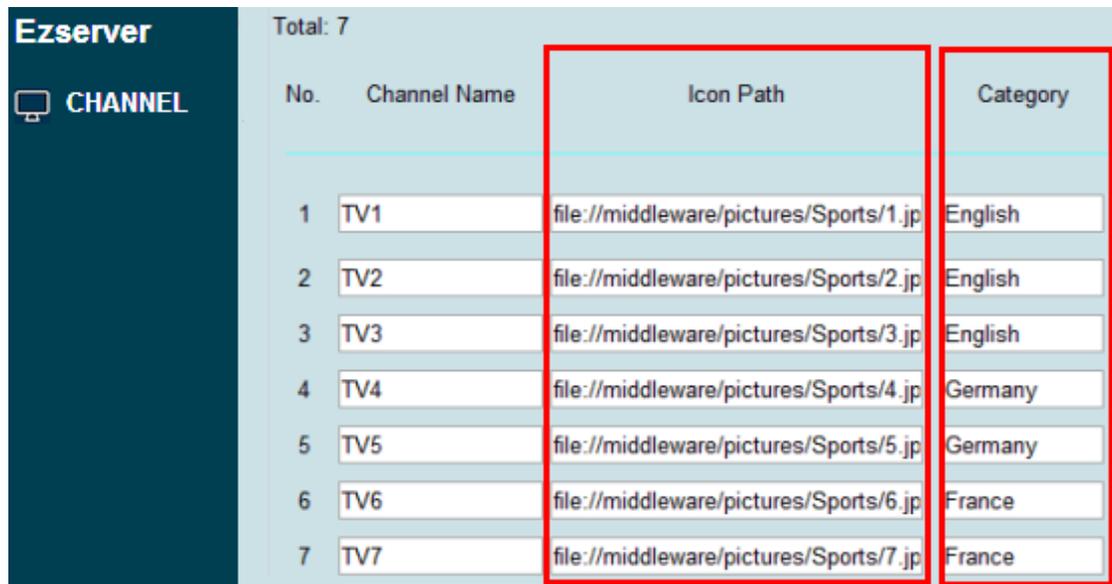
Setting
12. DVR Duration: 5 min.

## 13. App Update

- Upload new apk (**timeshift\_player.apk**) into server folder: **ezserver\_enterprise/apk/**
- Run App to update it automatically

## 14. Channel Logo Customization

Channel icons and categories are defined in the icon path and category field of each channel in the IPTV Panel



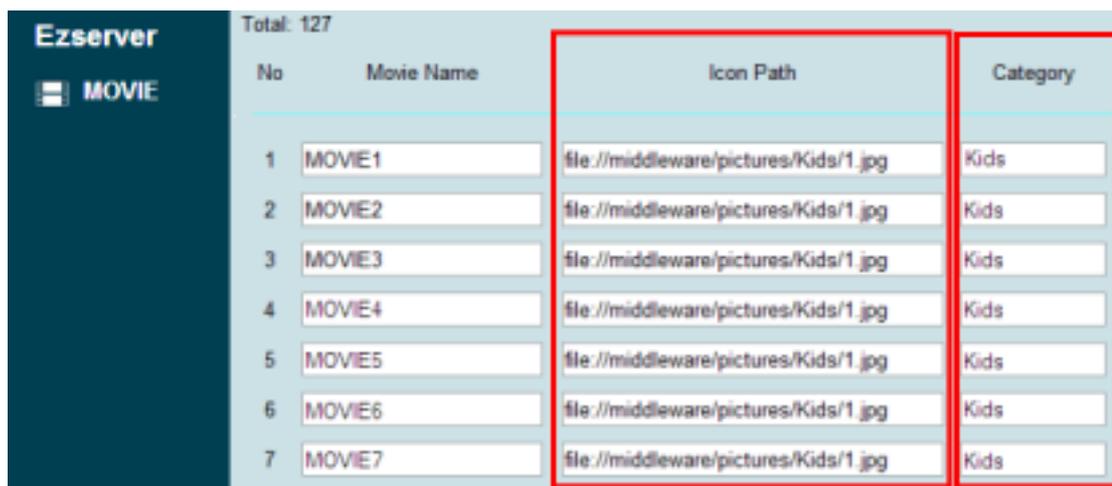
No.	Channel Name	Icon Path	Category
1	TV1	file://middleware/pictures/Sports/1.jp	English
2	TV2	file://middleware/pictures/Sports/2.jp	English
3	TV3	file://middleware/pictures/Sports/3.jp	English
4	TV4	file://middleware/pictures/Sports/4.jp	Germany
5	TV5	file://middleware/pictures/Sports/5.jp	Germany
6	TV6	file://middleware/pictures/Sports/6.jp	France
7	TV7	file://middleware/pictures/Sports/7.jp	France

The icon property is as below:

- Size: 242x350 pixels
- Image format: jpg
- File extension name: .jpg

## 15. Movie Logo Customization

Movie icons and categories are defined in the icon path and category field of each movie in the IPTV Panel.



No	Movie Name	Icon Path	Category
1	MOVIE1	file://middleware/pictures/Kids/1.jpg	Kids
2	MOVIE2	file://middleware/pictures/Kids/1.jpg	Kids
3	MOVIE3	file://middleware/pictures/Kids/1.jpg	Kids
4	MOVIE4	file://middleware/pictures/Kids/1.jpg	Kids
5	MOVIE5	file://middleware/pictures/Kids/1.jpg	Kids
6	MOVIE6	file://middleware/pictures/Kids/1.jpg	Kids
7	MOVIE7	file://middleware/pictures/Kids/1.jpg	Kids

The icon property is as below:

- Size: 242x350 pixels
- Image format: jpg
- File extension name: .jpg