

# Web Player User Guide

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

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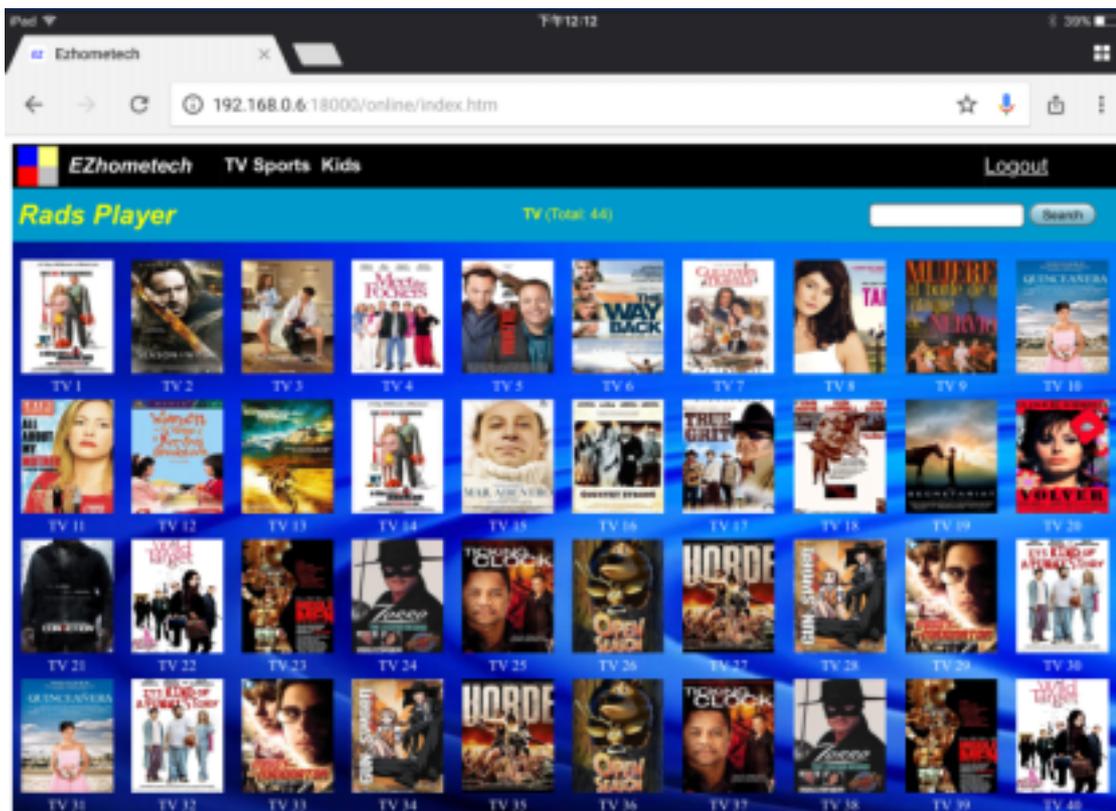
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## 1. Introduction

Web Player is a **free template to let web developers to create a web streaming player** on Internet browsers as IE, Chrome, Firefox and Safari that let you watch channels and movies from EZserver.

Features:

- Live Channels
- DVR Channels
- Video on Demand



## 2. Software Requirement

Items	Version
EZhomotech EZserver	Release 1.2
Internet Browser	IE, Chrome, Firefox and Safari

## 3. Hardware Requirement

Items
PC
Iphone
IPAD
Android Mobile, STB, Smart TV
Mag25x STB

## 4. Software Specification

<b>General Function</b>
<ul style="list-style-type: none"><li>• HLS, FLV for Video Streaming</li></ul>
<ul style="list-style-type: none"><li>• HTTP Streaming Protocol</li></ul>
<ul style="list-style-type: none"><li>• MP4 for Video on Demand</li></ul>
<ul style="list-style-type: none"><li>• Support HTML5 Video Tag</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>• DVR 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>
<b>Video On Demand</b>
<ul style="list-style-type: none"><li>• Video Format : MP4</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>• Easy-to-Use Playback Menu</li></ul>
<b>Login</b>
<ul style="list-style-type: none"><li>• URL</li></ul>
<ul style="list-style-type: none"><li>• User Name and Password</li></ul>

## 5. Installation

- Unzip online.zip into ezserver\_standard or ezserver\_prof folder.

## 6. Create New User

- Click User button and click + button.

The screenshot shows the EZserver interface with the 'User' button selected. The form has two input fields: 'MAC ID' and 'Reseller'. A red box highlights a '+' button next to the 'Reseller' field, indicating the next step in the process.

- Panel will show the empty user fields

The screenshot shows the EZserver interface with the 'User' button selected. The form now has four fields: 'User Name (Primary Key)', 'Password', and 'Group'. The 'User Name' field contains the number '6', and the 'Group' dropdown is set to 'basic'. A red box highlights the '+' button, indicating the next step.

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

The screenshot shows the EZserver interface with the 'User' button selected. The form now has four fields: 'User Name (Primary Key)', 'Password', and 'Group'. The 'User Name' field contains 'test', the 'Password' field contains '1234', and the 'Group' dropdown is set to 'basic'. A red box highlights the '+' button, indicating the next step.

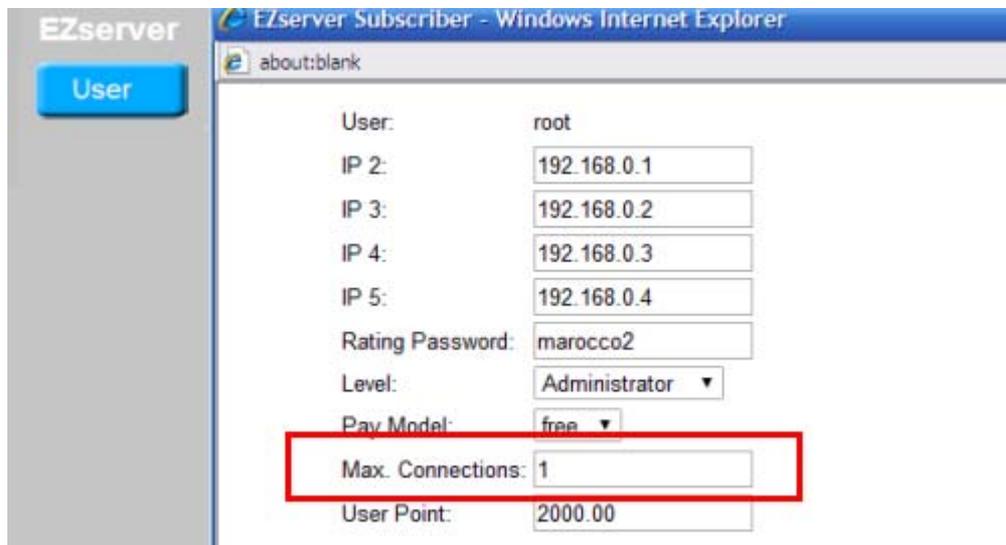
- For Mag25x STB, input its **MAC address** into **User Name** and **Serial Number** into **Password** fields. **Take care the case sensitivity of MAC ID from MAG box.**

The screenshot shows the EZserver interface with the 'User' button selected. The table displays a list of users. A red box highlights the 'User' button. A red box highlights the 'User Name' and 'Password' fields of the second user, with arrows pointing to the 'MAG STB MAC ID' and 'Serial number' respectively. The table has 55 total users.

User no	User Name	Password	Bouquet
1	root	1234	golden
2	00:1a:70:1c:ff:bb	012020X000000	golden
3	rs1	1234	basic
4	new3333	1234	basic

## 7. User Max. Concurrent Connections

Administrator can click User button and select More icon to set user max. connections as below:



The screenshot shows the EZserver Subscriber configuration interface in a Windows Internet Explorer browser window. The browser title is "EZserver Subscriber - Windows Internet Explorer" and the address bar shows "about:blank". On the left side, there is a sidebar with the "EZserver" logo and a blue "User" button. The main content area displays a form with the following fields:

User:	root
IP 2:	<input type="text" value="192.168.0.1"/>
IP 3:	<input type="text" value="192.168.0.2"/>
IP 4:	<input type="text" value="192.168.0.3"/>
IP 5:	<input type="text" value="192.168.0.4"/>
Rating Password:	<input type="text" value="marocco2"/>
Level:	<input type="text" value="Administrator"/>
Pay Model:	<input type="text" value="free"/>
Max. Connections:	<input type="text" value="1"/>
User Point:	<input type="text" value="2000.00"/>

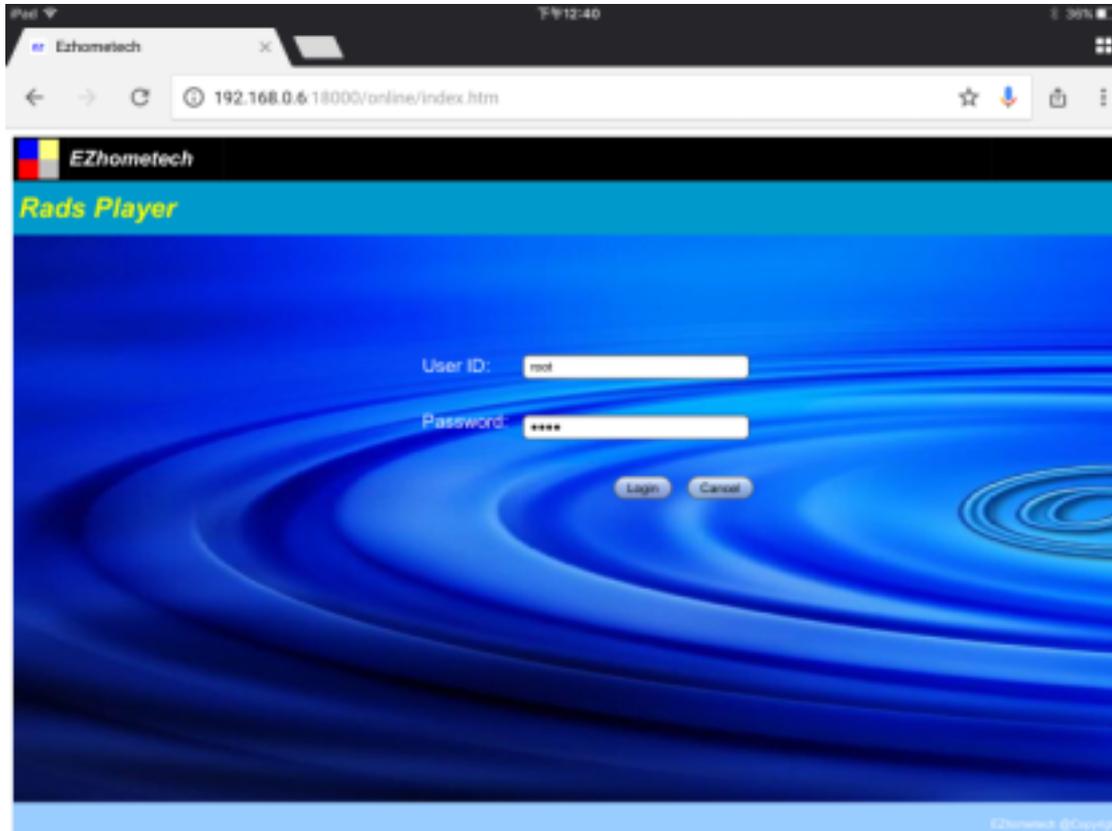
The "Max. Connections" field is highlighted with a red rectangular box.

## 8. Login

When you start Internet browser, you need to input the url as below:

**`http://192.168.0.6:18000/online/index.htm`**

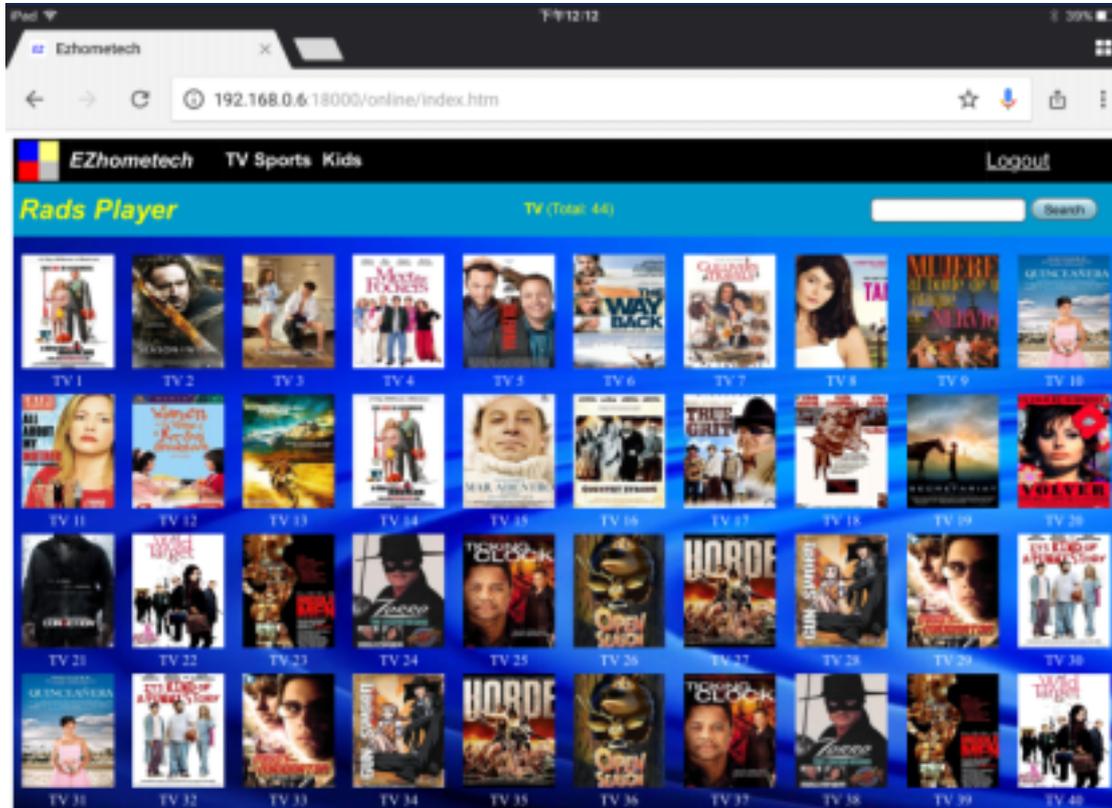
Then, you input user id and password and click "Login" button.



Note: For Mag25x STB, add **`http://192.168.0.6:18000/online/index.htm`** into its Portal setting

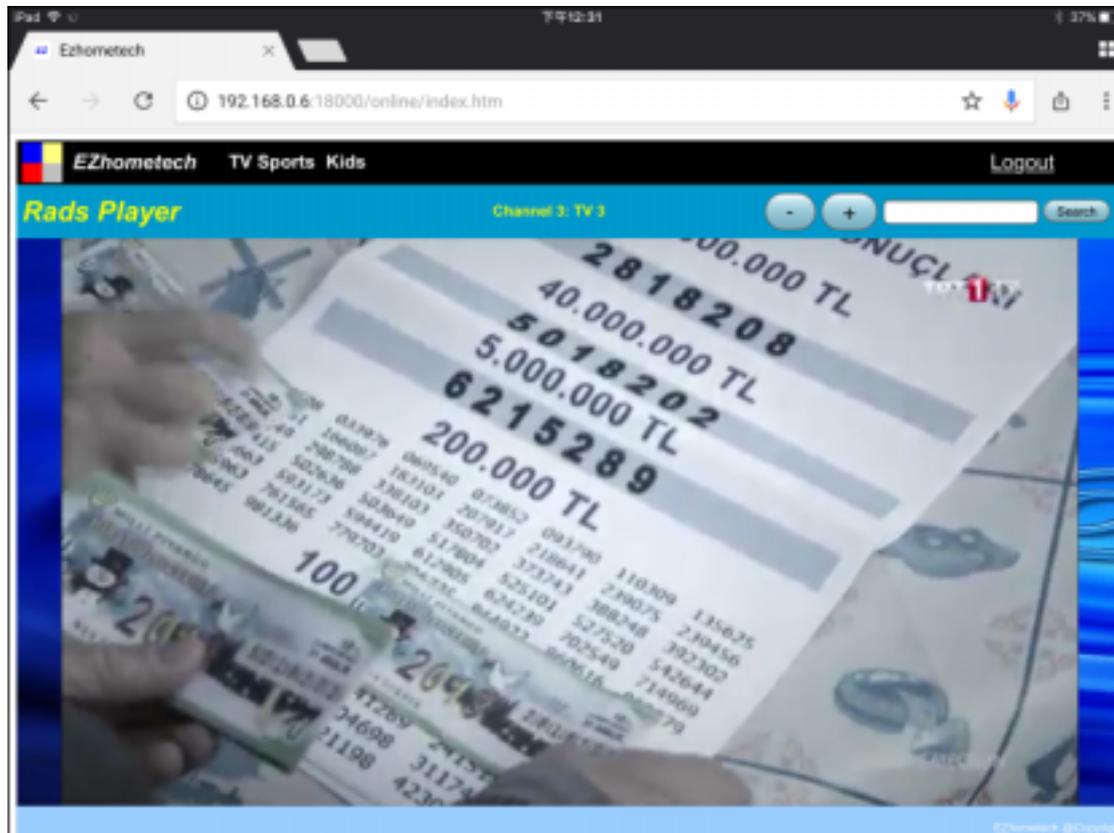
## 9. Main Menu

Web Player shows TV and Movie Categories on Menu bar, you can switch categories to get movies.



## 10. Live Channels

When you click a **channel icon** to watch it, you can click '+' or '-' button to change channels or click **Search** button to find channel names.



## 11. HLS Setting for Android Chrome

Administrator sets a channel to HLS type, then open URL in Android Chrome.

- Login Panel
- Click Channel Button and Click More icon
- Select option to **Constant Bitrate (internal transcoder)**

HTTP Live Streaming :

Disabled

Constant Bitrate (Internal transcoder)

Constant Bitrate (External transcoder)

Adaptive Bitrate (External transcoder)

Mobile Bitrate:  kbps

SD Bitrate:  kbps

HD Bitrate:  kbps

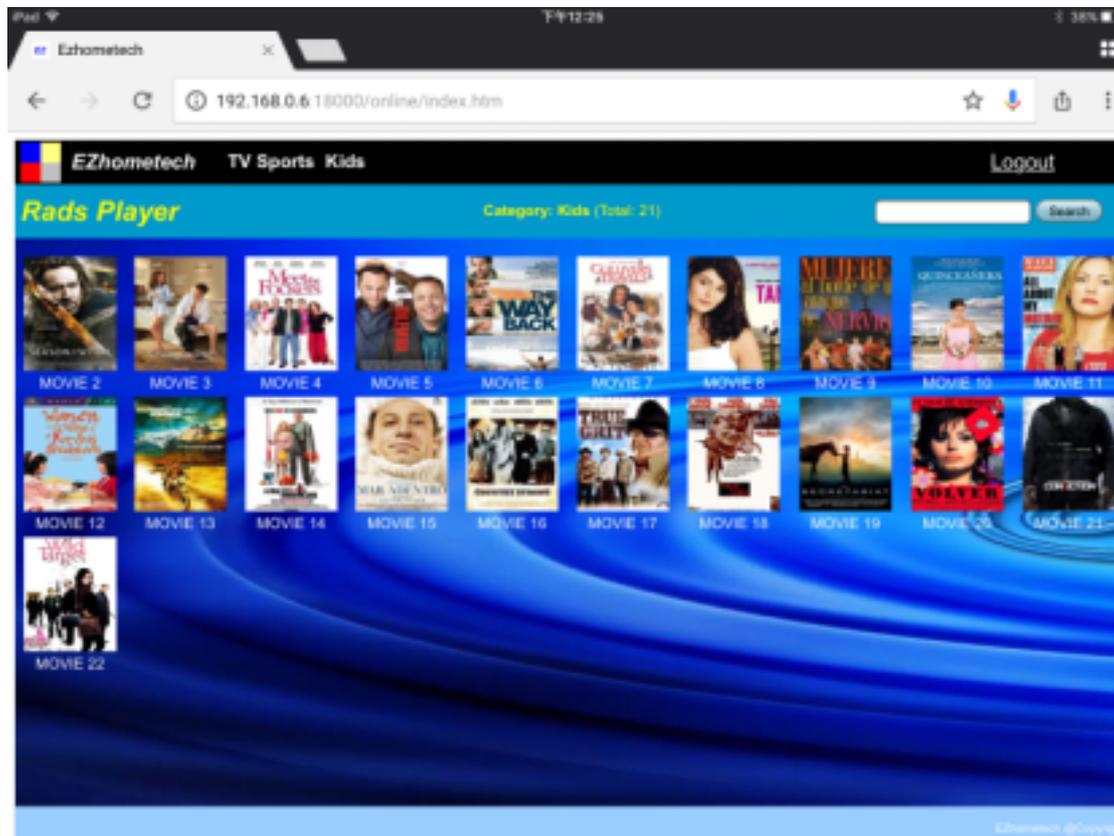
Video Format :

Audio Format :

Encoding Speed :

## 12. Video on Demand

When you click one movie category, you can see all movies of this category in the screen, and click one icon to play the movie. You can click **Search** button to find movies.



## 13. Create DVR Channel

Click Channel button and set Type to **DVR**, then click Save button.

The screenshot shows the EZserver interface. On the left, there is a sidebar with the text "EZserver" and a blue button labeled "Channel". The main area contains a table with the following structure:

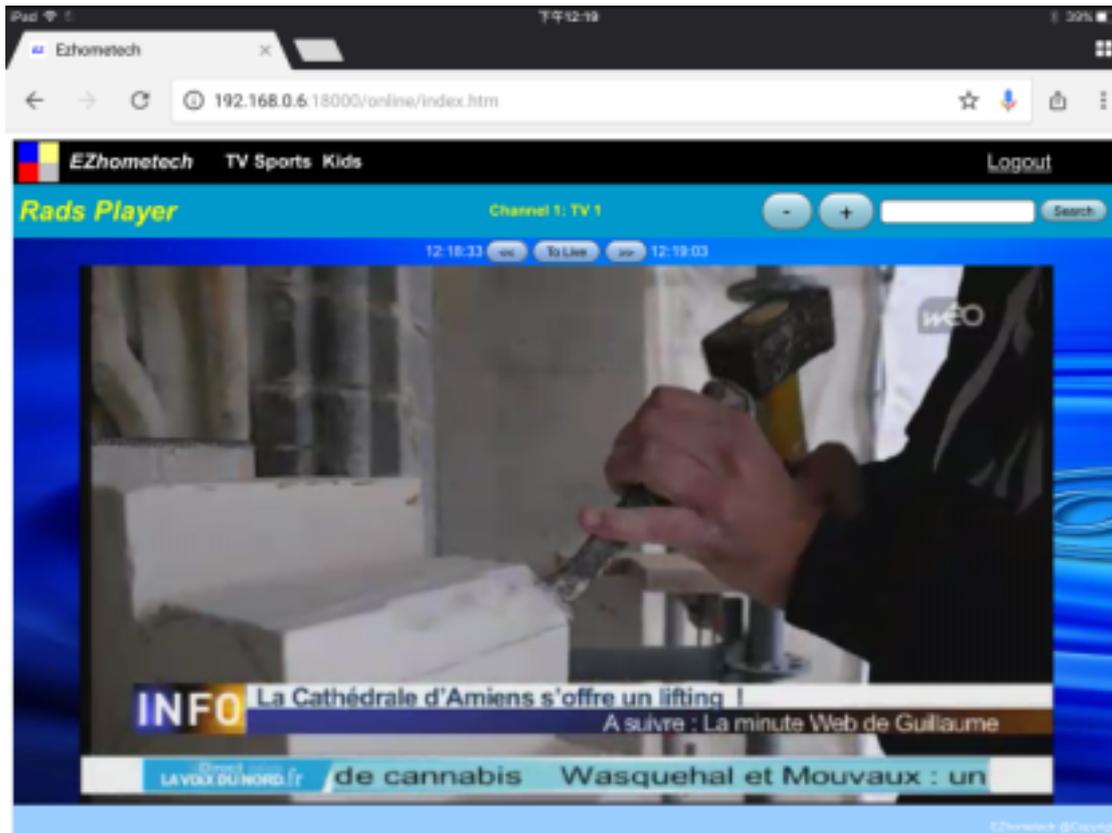
Category	Type	Status(Uptime)
<input type="text"/>	DVR ▼	ON (00:00:46)

The "Type" dropdown menu is highlighted with a red rectangular box.

## 14. DVR Channels

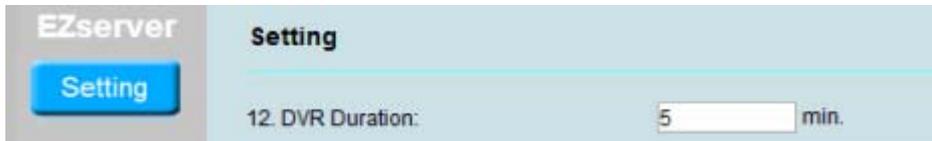
When you click a **dvr chanel** icon to watch it, you can click playback buttons to backward, forward or back to Live.

- For **playback buttons**,
  - ◆ Click '**<<**' **button** to backward channel.
  - ◆ Click '**>>**' **button** to forward channel.
  - ◆ Click **ToLive** **button**, you can watch the live channel back.



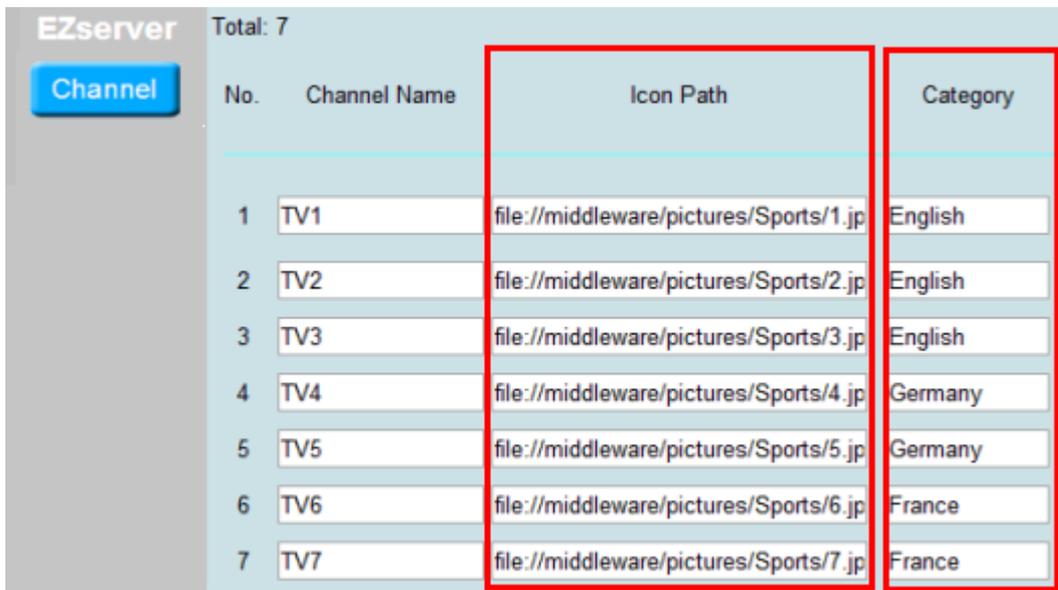
## 15. DVR Buffer Size

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



## 16. Channel Icon and Category Customization

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



The screenshot shows the EZserver interface with a 'Channel' button. A table lists 7 channels. The 'Icon Path' and 'Category' columns are highlighted with a red box.

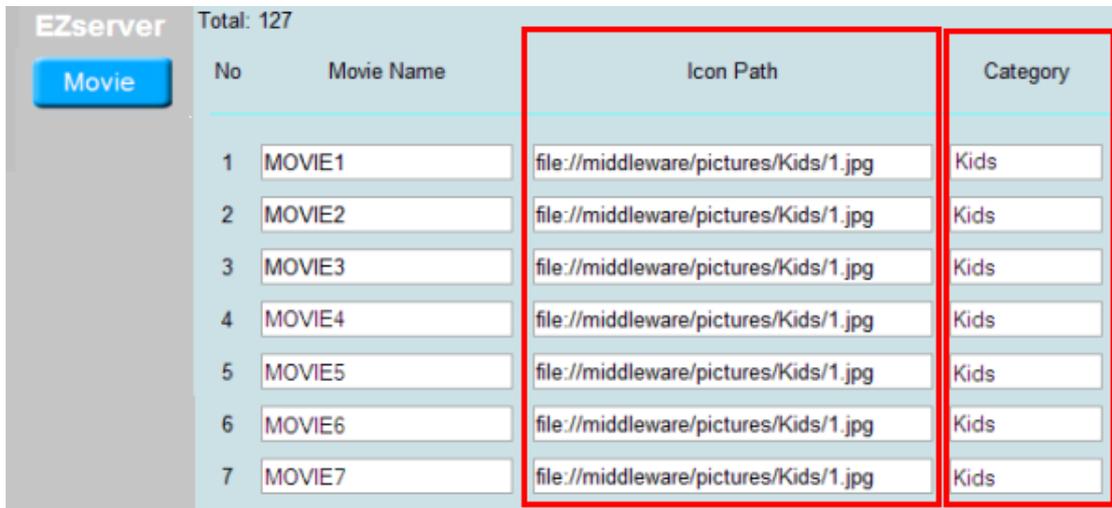
No.	Channel Name	Icon Path	Category
1	TV1	file://middleware/pictures/Sports/1.jp	English
2	TV2	file://middleware/pictures/Sports/2.jp	English
3	TV3	file://middleware/pictures/Sports/3.jp	English
4	TV4	file://middleware/pictures/Sports/4.jp	Germany
5	TV5	file://middleware/pictures/Sports/5.jp	Germany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

## 17. Movie Icon and Category Customization

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



The screenshot shows the EZserver interface with a 'Movie' button and a table of 7 movie entries. The 'Icon Path' and 'Category' columns are highlighted with a red box. The table data is as follows:

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