

# Installation and Configuration Guide

Step-by-step instructions for installing and configuring the Jellyfin Family WHMCS module: WHMCS deployment, connecting your Jellyfin server, creating the product and configuring the access policy.

- [WHMCS setup \(install/update\)](#)
- [Add a Jellyfin server in WHMCS](#)
- [Product configuration](#)

# WHMCS setup (install/update)

## Jellyfin Family module **WHMCS**

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## Technical requirements

The **PUQ Jellyfin Family** module is encoded with **ionCube Loader v13** (or newer) and is published as a separate build for each supported PHP major version. Installation and updates follow the same procedure.

PHP version	WHMCS version	Module build
PHP 7.4	8.11.0 -	<code> php74 </code>
PHP 8.1	8.11.0 +	<code> php81 </code>
PHP 8.2 (or newer)	8.11.0 + and 9+	<code> php82 </code>

“ Pick the build that matches the **PHP runtime of your WHMCS server**, not the WHMCS version — PHP 8.2 and any newer PHP always use `|php82|`. Not sure which PHP version your WHMCS runs on? Check **Utilities → System → PHP Info** in the WHMCS admin area.

A reachable **Jellyfin server, version 10.11.10 or newer**, with an administrator account and an API key, is also required.

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## Download

A separate build is published for each PHP major version. All versions and historical builds are available in the index:

- [https://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-Jellyfin-Family/](https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Jellyfin-Family/)

## Direct "latest" downloads

### PHP 8.2

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Jellyfin-Family/php82/PUQ_WHMCS-Jellyfin-Family-latest.zip
```

### PHP 8.1

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Jellyfin-Family/php81/PUQ_WHMCS-Jellyfin-Family-latest.zip
```

### PHP 7.4

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Jellyfin-Family/php74/PUQ_WHMCS-Jellyfin-Family-latest.zip
```

## Installation

### Step 1: Extract the archive

On your WHMCS server (or locally, before uploading):

```
unzip PUQ_WHMCS-Jellyfin-Family-latest.zip
```

### Step 2: Deploy the module

Copy and replace the `|puqJellyfinFamily|` folder into the WHMCS servers module directory, so the module lives at `|WHMCS_WEB_DIR/modules/servers/|puqJellyfinFamily|`:

```
puqJellyfinFamily → WHMCS_WEB_DIR/modules/servers/puqJellyfinFamily/
```

Example:

```
cp -r puqJellyfinFamily /var/www/html/whmcs/modules/servers/
```

Make sure **ionCube Loader v13+** is enabled for the PHP version WHMCS runs on. On first load the module self-creates its database tables (`|puq_license|` and `|puqJellyfinFamily_media_account|`) — there is no SQL to run manually.

## Step 3: Next steps

1. [Add a Jellyfin server in WHMCS](#) — connect WHMCS to your Jellyfin server.
2. [Product configuration](#) — create the **PUQ Jellyfin Family** product, enter the license key and configure the access policy.

## Update

Installation and updates follow the same procedure. To update an existing installation:

1. Back up the WHMCS database and the `|modules/servers/puqJellyfinFamily/|` directory.
2. Download the new build that matches the current PHP version and overwrite all files in `|modules/servers/puqJellyfinFamily/|`.
3. Open any WHMCS admin page once — the module verifies and creates any missing database tables automatically.

“ Upgrading from **v2.x**: no reconfiguration is required. The module reads existing product settings from the legacy `|configoption2|`-`|configoption8|` slots (including *Media Accounts Configuration* in `|configoption2|`) until you save the product once through the new form, at which point they are consolidated into `|configoption24|`.

“ **Tip:** always back up your WHMCS installation before performing an update.

# Add a Jellyfin server in WHMCS

## Jellyfin Family module **WHMCS**

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Configure the connection to your Jellyfin server under **System Settings** → **Servers** → **Add New Server**.

Field	Value
<b>Name</b>	A label for the server.
<b>Hostname / IP Address</b>	The Jellyfin server hostname or IP.
<b>Module</b>	PUQ Jellyfin Family .
<b>Username</b>	A Jellyfin <b>administrator</b> username.
<b>Password</b>	That administrator's password.
<b>Access Hash</b>	A Jellyfin <b>API key</b> (Jellyfin Dashboard → API Keys).
<b>Secure (SSL)</b>	Enable if Jellyfin is served over HTTPS.
<b>Port</b>	Jellyfin port (default  8096 , or  443  when SSL is enabled).

In the **Server Details** section select **Module** → **PUQ Jellyfin Family**, fill in the **Username**, **Password** and **Access Hash** (API key), tick **Secure** for SSL and set the **Port**.

Module	PUQ Jellyfin Family	<input type="button" value="Test Connection"/>	✓ Connection successful. Some values have been auto-filled.
Username	<input type="text" value="puq"/>		
Password	<input type="password" value="....."/>		
Access Hash	<input type="text" value="b74ec91519c94a00b09f8ab00a0b09b0"/>		
Secure	<input checked="" type="checkbox"/> Check to use SSL Mode for Connections		
Port	<input type="text" value="443"/>	<input type="checkbox"/> Override with Custom Port	

Use **Test Connection** to confirm WHMCS can reach Jellyfin and authenticate. The module authenticates with the username / password + API key to obtain an access token, then calls `System/Info` to verify connectivity. On success some fields are auto-filled and the status shows **Connection successful**.

Finally, assign the server (or a server group that contains it) to your Jellyfin Family product under the product's **Module Settings**.

# Product configuration

## Jellyfin Family module **WHMCS**

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Create a product of type **PUQ Jellyfin Family** (Setup → Products/Services), assign the Jellyfin server on the **Module Settings** tab, then configure the access policy in the injected configuration panel.

Products/Services

Edit Product

Details Pricing **Module Settings** Custom Fields Configurable Options Upgrades Free Domain Cross-sells Other Links

Module Name: PUQ Jellyfin Family

Server Group: PUQ Jellyfin Family

License key: XXXXX-XXXXXX-XXXXX-XXXXX-XXXXX  
success: 2026-10-14T13:39:41+02:00

### Media Accounts Configuration

**Count of media accounts**

Number of additional "media account" sub-users the client may create under their main account. Leave empty or set to 0 to disable the feature.

### Libraries Configuration

Use all libraries  
When ON, the user is granted access to every library on the Jellyfin server (overrides the selection below).

Libraries

Select all

- Movies
- Music
- Playlists

Tick the libraries this product grants. The list is loaded from the Jellyfin server assigned to the product's Server Group. Ignored when "Use all libraries" is ON.

### Allow Playback

- Media playback
- Audio that requires transcoding
- Video that requires transcoding
- Video that requires conversion without re-encoding

### Feature Access

- Allow Live TV access
- Allow Live TV recording management
- Force transcoding of remote media sources (e.g. Live TV)

### Links

**Instruction / manual URL**

Shown as the "User manual" link in the client area.

## Media Accounts Configuration

- **Count of media accounts** — how many additional **media accounts** (sub-users) the client may create under their main account. Leave empty or set to  to disable the feature for this product. When set to a positive number, a *Media Accounts* card appears in the client area where the client can add up to that many sub-users.

Each media account is a separate Jellyfin user named `|mainusername-name|`. It inherits the product's playback / transcoding / Live TV / SyncPlay / session settings, but its library access is limited to a subset of the main account's libraries (chosen per media account). Setting the count to `|0|` removes all existing media accounts on the next *Change package*.

### Media Accounts Configuration

#### Count of media accounts

Number of additional "media account" sub-users the client may create under their main account. Leave empty or set to 0 to disable the feature.

## Libraries Configuration

- **Use all libraries** — grant access to every library on the server (overrides the selection below).
- **Libraries** — the list of libraries is loaded live from the Jellyfin server assigned to the product's Server Group. Tick the libraries this product grants; use **Select all** to toggle everything, or **Reload** to refresh the list. Leaving everything unticked grants no library. If the server cannot be reached, a manual text box appears as a fallback (one library name per line). Ignored when "Use all libraries" is ON.

“ The dynamic list requires the product to be saved with a Server Group that contains a reachable Jellyfin server. Until then the panel shows a hint to select and save a Server Group.

## Libraries Configuration

### Use all libraries

When ON, the user is granted access to **every** library on the Jellyfin server (overrides the selection below).

### Libraries

#### Select all

- Movies
- Music
- Playlists

Tick the libraries this product grants. The list is loaded from the Jellyfin server assigned to the product's Server Group. Ignored when "Use all libraries" is ON.

# User Configuration

- **Streaming bitrate limit** — 1–60 Mbps (empty = unlimited).
- **SyncPlay access** — create & join groups / join groups / disabled.
- **Remote control of shared devices, Media downloads** — on/off.
- **Max user sessions** —  disables the limit.
- **Failed login attempts** — lockout threshold;  disables it.
- **Username prefix / suffix** — wrap the generated username.

**Streaming bitrate limit**

 Mbps

Number from 1 to 60. Leave empty for unlimited.

**SyncPlay access**

Synchronised playback with other devices.

Remote control of shared devices

Media downloads

Allow users to download media to their devices (required for book libraries).

**Max user sessions**

A value of 0 disables the limit.

**Failed login attempts**

Attempts before the user is locked out. Set to -1 to disable.

**Username prefix**

Prepended to the generated username. Lowercase letters, numbers and "-".

**Username suffix**

Appended to the generated username. Lowercase letters, numbers and "-".

# Allow Playback

Toggle media playback, audio transcoding, video transcoding and video conversion without re-encoding.

### ▶ Allow Playback

- Media playback
- Audio that requires transcoding
- Video that requires transcoding
- Video that requires conversion without re-encoding

## Feature Access

Live TV access, Live TV recording management, and force transcoding of remote media sources.

### 📖 Feature Access

- Allow Live TV access
- Allow Live TV recording management
- Force transcoding of remote media sources (e.g. Live TV)

## Links

- **Instruction / manual URL** — shown as the *User manual* link in the client area.

### 🔗 Links

#### Instruction / manual URL

Shown as the "User manual" link in the client area.

## Client Area

- **Show password** — show button / plain text / hidden.

- **Password generation** — `[length:characters]`, e.g. `8:23456789abcdABCD`.
- **Username format** — `[standard]` (`[prefix<client_id>-<service_id>suffix]`) or `[custom]`.
- **Custom username** — macro template: `[{user_id}]`, `[{service_id}]`, `[{random_digit_x}]`, `[{random_letter_x}]`, `[{unixtime}]`, `[{year}]`, `[{month}]`, `[{day}]`, `[{hour}]`, `[{minute}]`, `[{second}]`.

⚙️ Client Area

**Show password**

Show button
▼

How the service password is presented in the client area.

**Password generation**

5:1234567890ABDabd\*()\_

Format `length:characters`, e.g. `8:234abcdABCD` — 8 is the password length and everything after the colon are the allowed characters.

**Username format**

Custom username template
▼

**Custom username**

{user\_id}-{random\_digit\_5}-{random\_letter\_2}-{unixtime}

Macros: `{user_id}``{service_id}``{random_digit_x}``{random_letter_x}``{unixtime}``{year}``{month}``{day}``{hour}``{minute}``{second}`

Settings are stored as a single JSON document in `[configoption24]`. After saving, **Create/Change** actions push the resulting policy to Jellyfin.