

Installation and Configuration Guide

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

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WHMCS Module Installation and Update

Jellyfin module **WHMCS**

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Supported PHP & WHMCS versions

The module supports **PHP 7.4, 8.1 and 8.2+** and **WHMCS 8.x / 9.x**, and is shipped as a **separate ionCube build per PHP version**. Download the build that matches the PHP version your WHMCS runs on.

WHMCS version	PHP version	Module build
WHMCS 8.x	7.4	php74
WHMCS 8.x	8.1	php81
WHMCS 8.x	8.2	php82
WHMCS 9.x	8.2	php82

“ Match the build to your **server's PHP version**, not to the WHMCS version. PHP 8.2 and any newer PHP → always use |php82|. Requires **ionCube Loader v13+** (v14/v15 supported).

Download

The module is distributed as a single ZIP archive. A separate build is published for each supported PHP major version — pick the one that matches the PHP runtime used by your WHMCS installation.

All versions and historical builds are available in the index:

- https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Jellyfin/

Direct "latest" downloads

PHP 8.2

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

PHP 8.1

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

PHP 7.4

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

“ Not sure which PHP version your WHMCS runs on? Check **Utilities > System > PHP Info** in the WHMCS admin area.

Installation

Step 1: Unzip the Archive

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

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

The archive extracts into a `|PUQ_WHMCS-Jellyfin/|` directory containing the server module folder `|puqJellyfin|`.

Step 2: Copy the Server Module

Copy and replace `puqJellyfin` from the extracted `PUQ_WHMCS-Jellyfin/` directory to your WHMCS installation:

```
PUQ_WHMCS-Jellyfin/puqJellyfin → WHMCS_WEB_DIR/modules/servers/puqJellyfin/
```

Example:

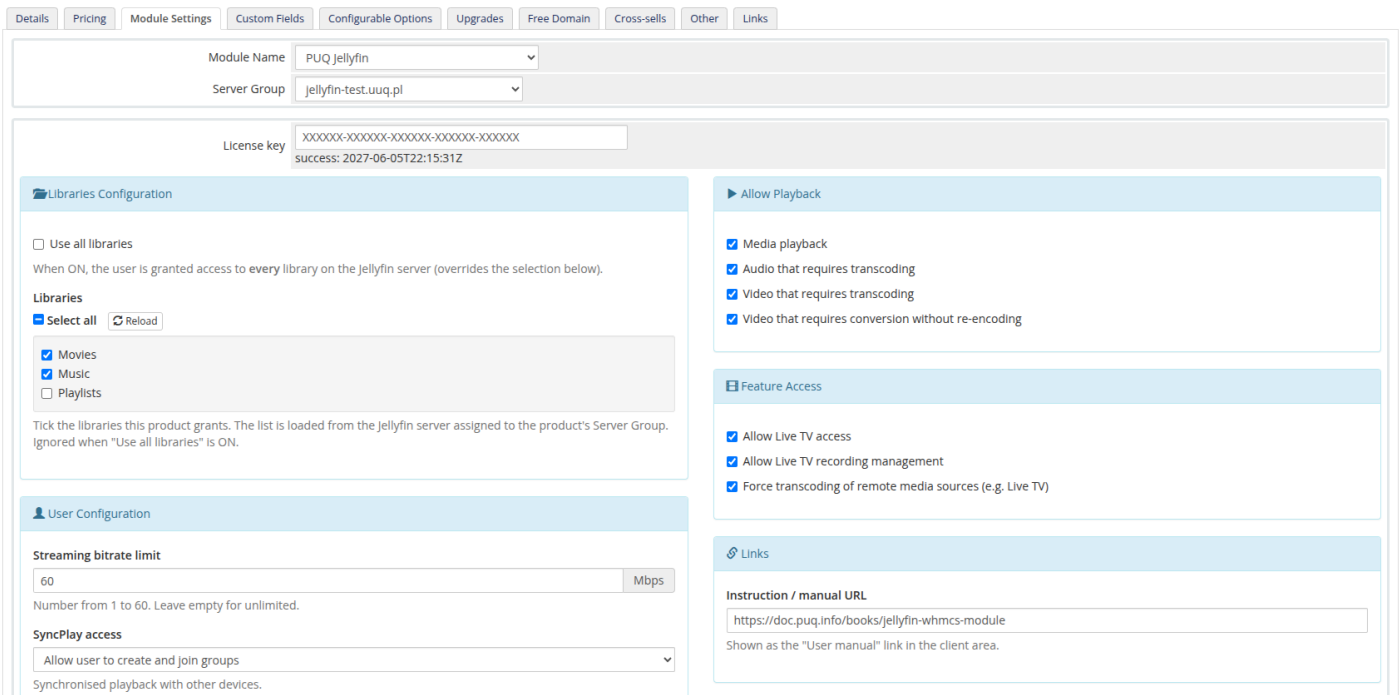
```
cp -r PUQ_WHMCS-Jellyfin/puqJellyfin /var/www/html/whmcs/modules/servers/
```

Step 3: ionCube Loader

Ensure **ionCube Loader v13+** is installed and enabled for the PHP version your WHMCS runs on. The module source is encoded with ionCube.

Step 4: License key

Each product that uses this module requires a valid license key in the **License key** field of the product's **Module Settings** tab. Invalid or missing licenses are listed on the WHMCS admin homepage.



The screenshot shows the WHMCS admin interface for the 'Module Settings' tab of the 'PUQ Jellyfin' module. The interface includes a navigation menu at the top with tabs for 'Details', 'Pricing', 'Module Settings', 'Custom Fields', 'Configurable Options', 'Upgrades', 'Free Domain', 'Cross-sells', 'Other', and 'Links'. The 'Module Settings' tab is active, showing the following configuration:

- Module Name:** PUQ Jellyfin
- Server Group:** jellyfin-test.uuq.pl
- License key:** XXXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXX
success: 2027-06-05T22:15:31Z

The main content area is divided into several sections:

- Libraries Configuration:** Includes a checkbox for 'Use all libraries' and a 'Libraries' section with 'Select all' and 'Reload' buttons. The 'Libraries' list shows 'Movies' and 'Music' checked, and 'Playlists' unchecked.
- Allow Playback:** Includes checkboxes for 'Media playback', 'Audio that requires transcoding', 'Video that requires transcoding', and 'Video that requires conversion without re-encoding', all of which are checked.
- Feature Access:** Includes checkboxes for 'Allow Live TV access', 'Allow Live TV recording management', and 'Force transcoding of remote media sources (e.g. Live TV)', all of which are checked.
- Links:** Includes a field for 'Instruction / manual URL' with the value `https://doc.puq.info/books/jellyfin-whmcs-module`.

At the bottom, there is a 'User Configuration' section with a 'Streaming bitrate limit' field set to '60' Mbps and a 'SyncPlay access' dropdown menu set to 'Allow user to create and join groups'.

“ The module self-creates its database tables (`|puq_license|`, `|puq_module_versions|`) on first load — there is no SQL to run manually.

File Structure

After installation, the module files should be located at:

```
whmcs/  
├─ modules/  
│   └─ servers/  
│       └─ puqJellyfin/          # Server module  
│           ├─ puqJellyfin.php  
│           ├─ hooks.php  
│           ├─ whmcs.json  
│           ├─ lib/  
│           ├─ lang/  
│           └─ templates/
```

Update Procedure

To update the module to a newer version:

1. Back up your WHMCS installation (and the existing `|modules/servers/puqJellyfin/|` directory).
2. Download the latest build that matches your server's PHP version (see **Download** above).
3. Upload and overwrite the files in `|modules/servers/puqJellyfin/|`.
4. Open any WHMCS admin page once — the migration runner brings the schema up to date automatically.

“ **Upgrading from v2.x:** no reconfiguration is required. The module reads existing product settings from the legacy `|configoption3|`–`|configoption8|` slots 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 module **WHMCS**

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Configure the connection to your Jellyfin server under **Setup → Products/Services → Servers → Add New Server**.

Servers

Edit Server

Name	<input type="text" value="jellyfin-test.puq.info"/>
Hostname	<input type="text" value="jellyfin-test.puq.info"/>
IP Address	<input type="text"/>
Assigned IP Addresses (One per line)	<input type="text"/>
Monthly Cost	<input type="text" value="0.00"/>
Datacenter/NOC	<input type="text"/>
Maximum No. of Accounts	<input type="text" value="200"/>
Server Status Address	<input type="text"/> <small>To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. https://www.example.com/status/</small>
Enable/Disable	<input type="checkbox"/> Check to disable this server

Nameservers

Primary Nameserver	<input type="text"/>	IP Address:	<input type="text"/>
Secondary Nameserver	<input type="text"/>	IP Address:	<input type="text"/>
Third Nameserver	<input type="text"/>	IP Address:	<input type="text"/>
Fourth Nameserver	<input type="text"/>	IP Address:	<input type="text"/>
Fifth Nameserver	<input type="text"/>	IP Address:	<input type="text"/>

Server Details

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

Field	Value
Type / Module	PUQ Jellyfin.

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

Server Details

The screenshot shows the 'Server Details' configuration form for the 'PUQ Jellyfin' module. The form includes the following fields and options:

- Module:** A dropdown menu set to 'PUQ Jellyfin'. To its right is a 'Test Connection' button and a green notification message: '✓ Connection successful. Some values have been auto-filled.'
- Username:** A text input field containing 'puq'.
- Password:** A text input field with masked characters (dots).
- Access Hash:** A text input field containing the hash 'b74ec91519c94a00b09f8ab00a0b09b0'.
- Secure:** A checkbox labeled 'Check to use SSL Mode for Connections' which is checked.
- Port:** A text input field containing '443' and an unchecked checkbox labeled 'Override with Custom Port'.

At the bottom of the form are two buttons: 'Save Changes' (in blue) and 'Cancel Changes' (in grey).

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.

Assign the server (or a server group containing it) to your Jellyfin product under the product's **Module Settings**.

Product configuration

Jellyfin module **WHMCS**

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

The screenshot shows the configuration interface for the PUQ Jellyfin module. At the top, there are tabs for Details, Pricing, Module Settings (selected), Custom Fields, Configurable Options, Upgrades, Free Domain, Cross-sells, Other, and Links. Below the tabs, the Module Name is set to 'PUQ Jellyfin' and the Server Group is 'jellyfin-test.luuq.pl'. A license key is displayed as 'XXXXXXXX-XXXXXXXX-XXXXXXXX-XXXXXXXX' with a success timestamp of '2027-06-05T22:15:31Z'. The configuration is divided into several sections: Libraries Configuration, User Configuration, Allow Playback, Feature Access, and Links. The Libraries Configuration section includes a checkbox for 'Use all libraries' and a list of libraries (Movies, Music, Playlists) with checkboxes. The User Configuration section includes a 'Streaming bitrate limit' field set to 60 Mbps and a 'SyncPlay access' dropdown set to 'Allow user to create and join groups'. The Allow Playback section has checkboxes for 'Media playback', 'Audio that requires transcoding', 'Video that requires transcoding', and 'Video that requires conversion without re-encoding'. The Feature Access section has checkboxes for 'Allow Live TV access', 'Allow Live TV recording management', and 'Force transcoding of remote media sources (e.g. Live TV)'. The Links section has a field for 'Instruction / manual URL' set to 'https://doc.puq.info/books/jellyfin-whmcs-module'.

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

60

Mbps

Number from 1 to 60. Leave empty for unlimited.

SyncPlay access

Allow user to create and join groups

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

3

A value of 0 disables the limit.

Failed login attempts

3

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

Username prefix

jelly-

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

Username suffix

-fin

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

1i-{user_id}-{service_id}

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.