Jellyfin WHMCS module

WHMCS module that automates Jellyfin media-server accounts. Sell Jellyfin access as a WHMCS product: each service maps to a Jellyfin user whose library access, playback and transcoding policy, Live TV, SyncPlay, session limits and lockout are driven by the product configuration. Clients manage their account from the WHMCS client area — view credentials, allowed libraries, active devices and sessions, drop devices and unblock the account. Supports PHP 7.4 / 8.1 / 8.2+.

- Description
- Changelog
- Installation and Configuration Guide
  - WHMCS Module Installation and Update
  - Add a Jellyfin server in WHMCS
  - Product configuration
- Client Area
  - Client area overview
- Admin Area
  - Service page

Description

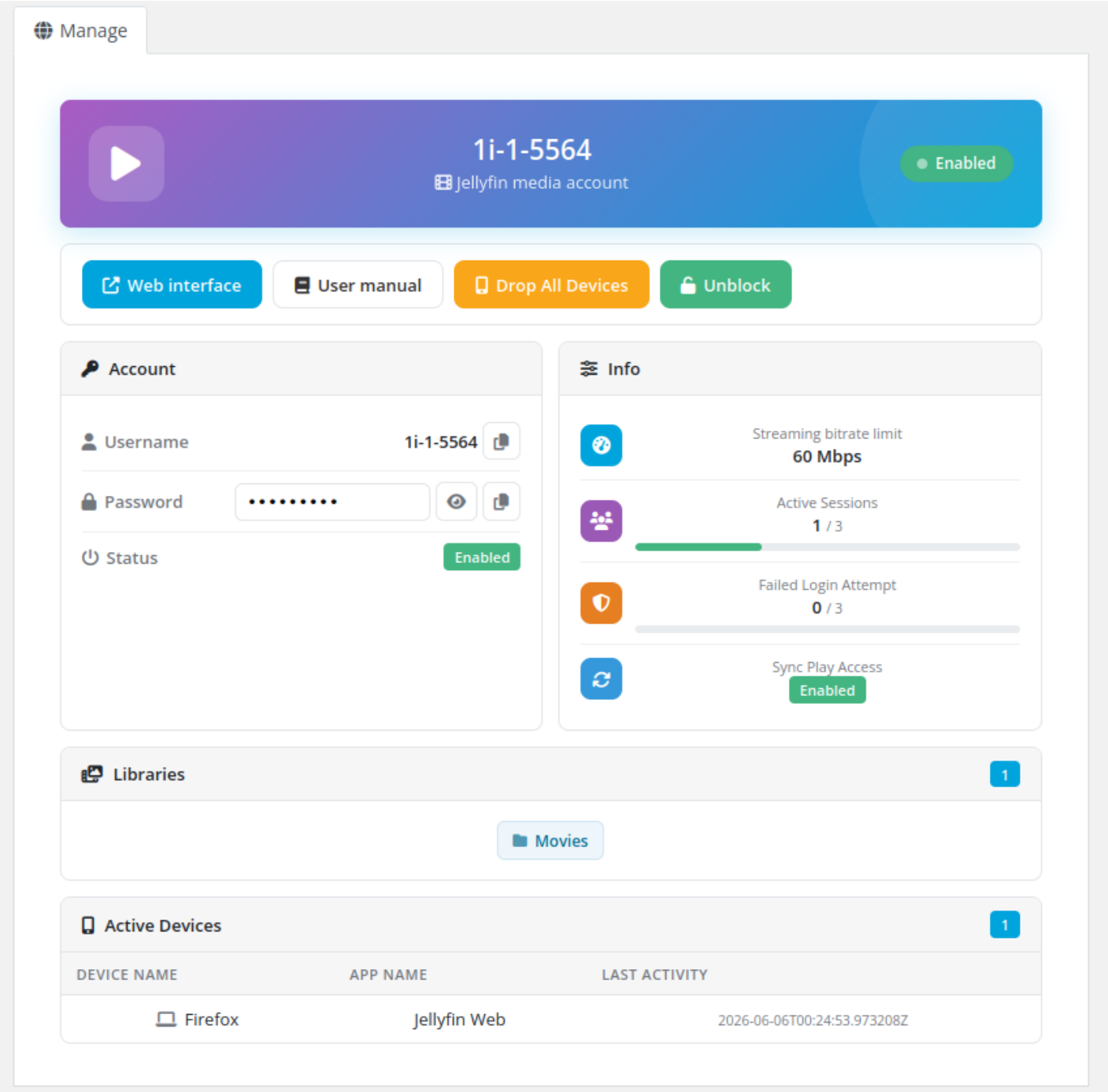
Jellyfin module **WHMCS**

Order now | Download | Community

Jellyfin WHMCS module

The **Jellyfin WHMCS module** turns your WHMCS into an automated platform for selling **Jellyfin media-server accounts**. Each WHMCS service is mapped to a Jellyfin user whose access is fully driven by the product configuration: which libraries the user can see, what playback and transcoding is allowed, Live TV access, SyncPlay, streaming bitrate limit, maximum active sessions and failed-login lockout.

Account provisioning is automatic — on **Create** the module generates the username and password, creates the Jellyfin user and applies the configured policy. **Suspend / Unsuspend / Change package / Terminate** keep the Jellyfin user in sync with the WHMCS service lifecycle. Clients manage everything from the WHMCS client area.



What's new in v3.0

Version 3.0 is a **complete rewrite** that brings the module up to the modern PUQ standard:

- **Redesigned client area** — a beautiful, fully **AJAX** card-based interface: a gradient status hero, account credentials with copy/show, live usage bars (sessions, failed logins), library chips and an active-devices table. No page reloads — every action reports back with a toast.
- **Dynamic library picker** — libraries are now loaded **live from your Jellyfin server** as

checkboxes with *Select all* and *Reload*, instead of typing names by hand.
- **Jellyfin 10.11.10+ ready** — switched to the modern `Authorization: MediaBrowser` scheme and the current API routes, so the module keeps working on Jellyfin **10.12 / 10.13** where the legacy authorization is removed.
- **One-click self-service** — clients can **drop all devices** and **unblock** their account straight from the client area.
- ⚙ **Streamlined configuration** — all product settings live in a single, injected settings panel; upgrading from v2.x needs **no reconfiguration**.
- **Hardened & diagnosable** — PHP 7.4 / 8.1 / 8.2+ clean, null-safe, with full error logging to the WHMCS Module Log for easy troubleshooting.
- **25 languages** — the full interface is translated.

Main features

- **Automatic provisioning** — Jellyfin user created on service activation with generated credentials
- **Full lifecycle sync** — suspend, unsuspend, change package, terminate and change password
- **Library access control** — grant all libraries or a selected set per product
- **Playback & transcoding policy** — media playback, audio/video transcoding, remux without re-encoding, force remote-source transcoding
- **Feature access** — Live TV access and recording management
- **Session & security limits** — streaming bitrate limit, maximum active sessions, failed-login lockout
- **SyncPlay & downloads** — SyncPlay access level and media-download control
- **Flexible credentials** — configurable password generation and standard or macro-based custom username templates
- **AJAX client area** — modern card-based UI showing status, credentials, allowed libraries, active devices and sessions
- **Self-service actions** — clients can drop all devices and unblock their account
- **Admin service tab** — user status, libraries, package info and active devices on the WHMCS service page
- **Multi-language** — 25 languages
- **License verification** — built-in online/offline license system with admin homepage alerts

---

System requirements & compatibility

The module supports **PHP 7.4, 8.1 and 8.2+**, 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 the **server's PHP version**, not to the WHMCS version. PHP 8.2 and any newer PHP → always use `php82`. Requires ionCube Loader v13+.

A reachable **Jellyfin server, version 10.11.10 or newer**, with an administrator account and API key is required. The module uses the modern `Authorization: MediaBrowser` scheme and the current user/password API routes, so it stays compatible with Jellyfin 10.12/10.13 where the legacy authorization headers are removed.

Changelog

Jellyfin module **WHMCS**

Order now | Download | Community

v3.0 — 2026-06-06

Added

- AJAX, card-based client area with a gradient status hero, a two-column account/usage layout, usage progress bars (sessions, failed logins), library chips and an active-devices table — plus toast notifications and confirm dialogs.
- Self-service **Drop all devices** and **Unblock** actions in the client area (no page reload).
- **Dynamic library picker** in the product configuration form: the library list is loaded live from the assigned Jellyfin server as checkboxes, with a *Select all* toggle and a *Reload* button (with a manual text-box fallback when the server is unreachable). The separate *Use all libraries* switch is kept.
- Product configuration form injected on the WHMCS product page via `AdminAreaFooterOutput`.
- Admin homepage license alert listing products with invalid or missing licenses.
- Schema migration runner (`puqJellyfinMigrations`).
- **Diagnostic logging throughout.** Every lifecycle action, hook and AJAX call records its result and any exception to the WHMCS Module Log; all Jellyfin API calls log their request/response on error (and every write call on success), with the HTTP status code and the real Jellyfin message. Passwords are redacted in the log.

Changed

- **Jellyfin 10.11.10+ compatibility.** Switched to the modern `Authorization: MediaBrowser` header (with `Version`) as the primary scheme and dropped the deprecated `X-Emby-Token` / `X-MediaBrowser-Token` headers that Jellyfin removes in 10.12/10.13. The password endpoint now uses the current route `Users/Password?userId=` instead of the deprecated `Users/{id}/Password`.
- `CreateAccount` now reads the new user's `Id` directly from the `Users/New` response instead of re-listing all users and matching by name (faster and robust against special characters).

- API error handling now inspects the HTTP status code and extracts the real Jellyfin error message (ProblemDetails / validation errors) instead of occasionally treating a 4xx as success.
- All product settings are now stored as a single JSON document in `configoption24`. Existing v2 installs are read transparently from the legacy `configoption3`–`configoption8` slots, so **no reconfiguration is required** after upgrading.
- License verification moved to a block-based hash with online/offline caching.
- Jellyfin admin API token is cached per instance instead of re-authenticating on every call.
- PHP **7.4 / 8.1 / 8.2+** compatible source; hardened with null-safe reads, `try/catch` around all external calls, and `htmlspecialchars` on every API-sourced string.

Fixed

- Web-interface URL no longer mishandled the plain-HTTP/port-80 case (operator-precedence bug in the default-port check).
- Empty text fields (e.g. an intentionally blank username suffix) are now preserved instead of reverting to their default on save.

---

v2.1.1

- Maintenance release (last public v2.x build).

v2.1 — 2025-10-03

- Added a configurable rule for **custom usernames**.
- Added a configurable rule for **custom passwords**.
- Added support for **PHP 8.2+**.

v2.0.1 — 2024-12-19

- Added a validation check in the Client Area Primary Sidebar hook.

v2.0 — 2024-09-24

- Module compiled with **ionCube v13**.

- Supported PHP versions:
  - PHP 7.4 — WHMCS 8.11.0 and below
  - PHP 8.1 — WHMCS 8.11.0 and above
  - PHP 8.2 — WHMCS 8.11.0 and above

v1.5.1 — 2024-08-13

- Fixed a password bug when **Show password** is set to *no*.

v1.5 — 2023-07-12

- Client area better adapted for mobile.
- Added buttons to copy the login and password in the client area.

v1.4 — 2023-12-21

- Client area enhancements:
  - Option to hide service passwords by default.
  - Added a **Show** button to reveal the service password in the client area.
  - Option to display the service password in plain text.
- Note: save the product's *Module Settings* for the module to function correctly.

v1.3 — 2023-12-18

- Various bug fixes.
- Fixed the session-count display in the client area.
- Support for Jellyfin 10.8.13.

v1.2 — 2023-11-17

- Fixed incorrect library-selection behaviour (**CRITICAL**).
- Fixed bugs in the change-password feature.
- New **Use All Libraries** checkbox on the Module Settings page.
- Client-area changes and optimizations.

- Note: reconfigure the product's *Module Settings* and run **Change Package** on customer services.

v1.1 — 2023-11-09

- Reworked library handling: `-` means *no libraries selected*, an empty field means *select all libraries*.
- Bug fixes.

v1.0 — 2023-11-03

- First version.

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.

WHMCS Module Installation and Update

Jellyfin module **WHMCS**

Order now | Download | Community

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:

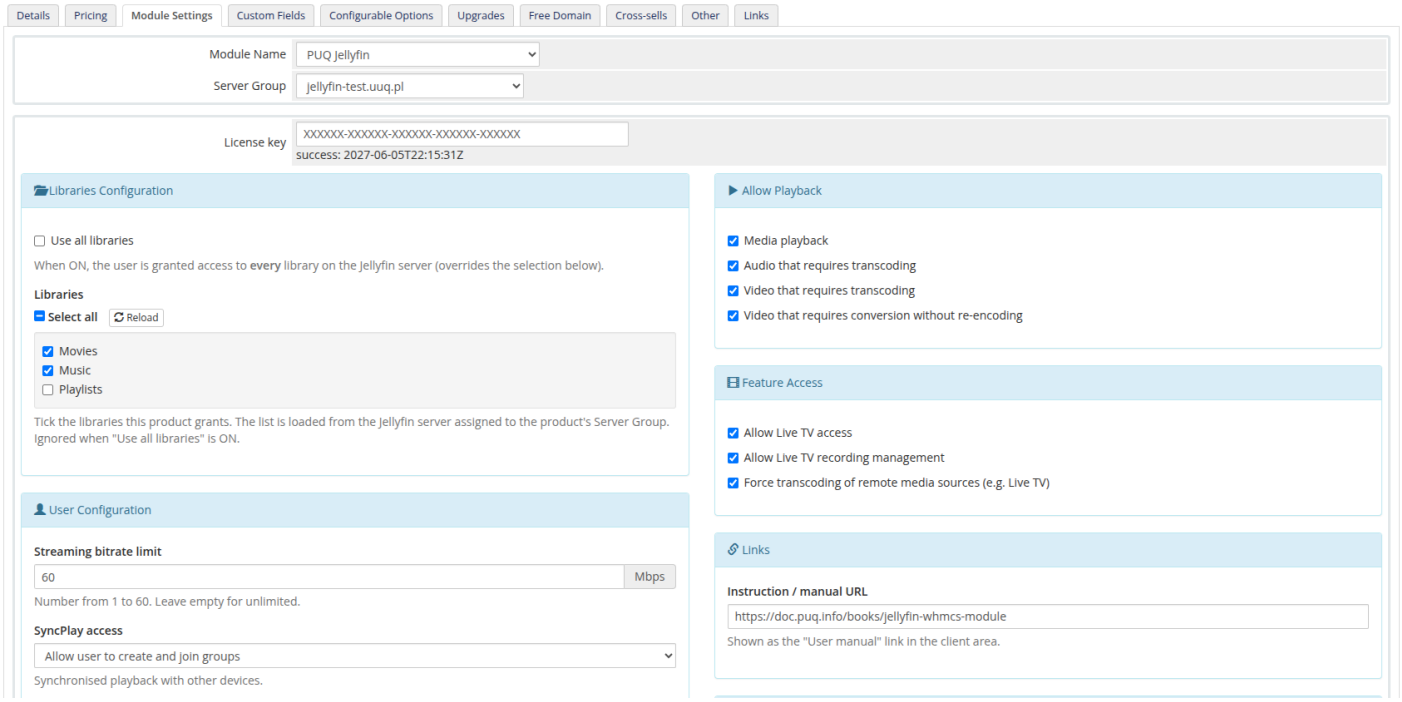
```
cp -r PUQ_WHMCS-Jellyfin/puqJellyfin /var/www/html/whmcs/modules/servers/
```

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 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`.

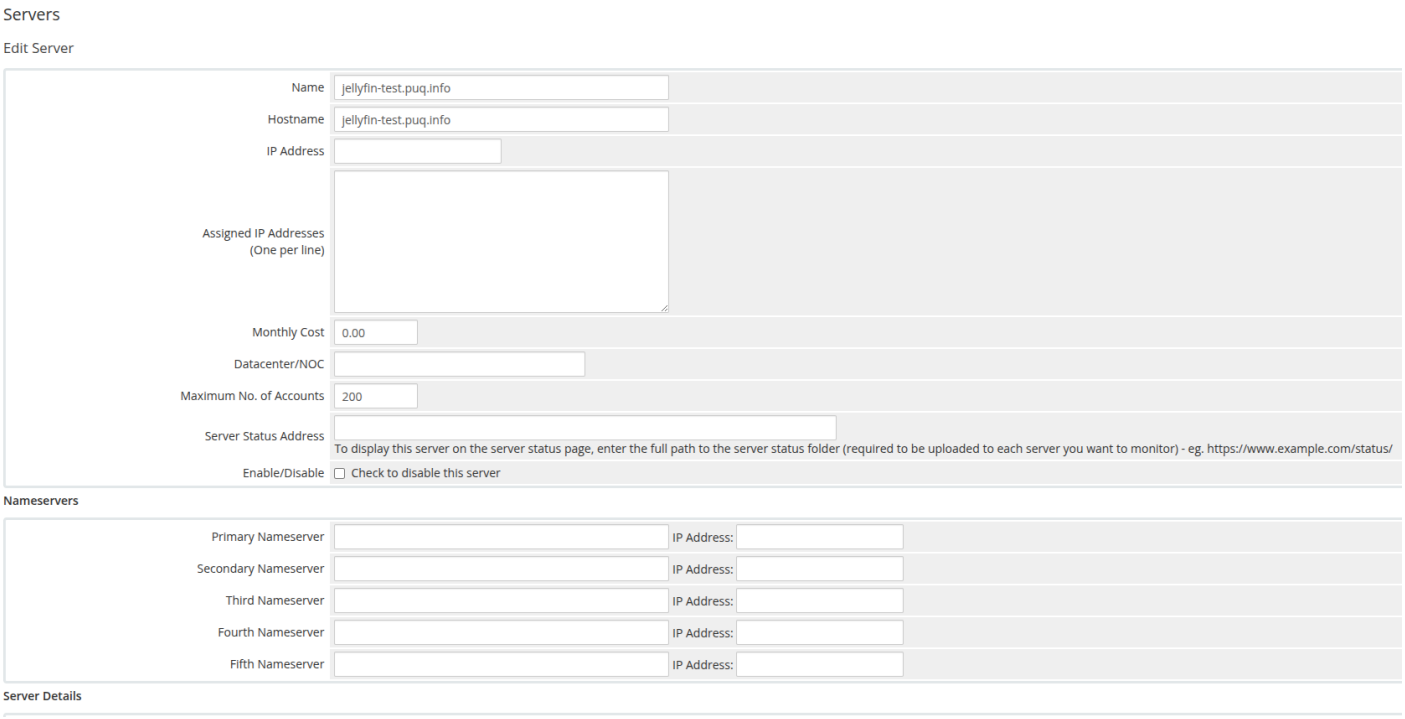
> **Tip:** always back up your WHMCS installation before performing an update.

Add a Jellyfin server in WHMCS

Jellyfin module **WHMCS**

Order now | Download | Community

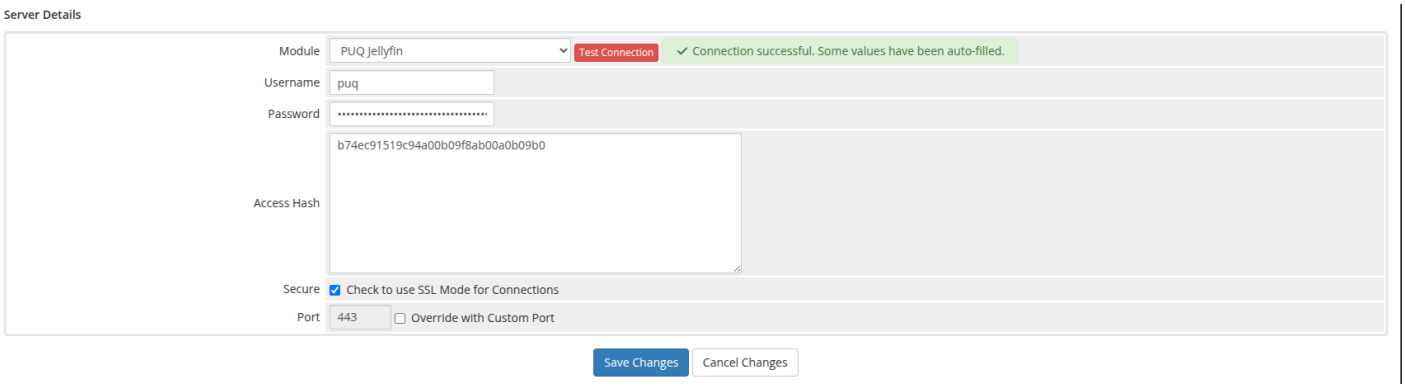
Configure the connection to your Jellyfin server under **Setup → Products/Services → Servers → Add New Server**.



Field	Value
Hostname / IP Address	The Jellyfin server hostname or IP.
Secure (SSL)	Enable if Jellyfin is served over HTTPS.
Port	Jellyfin port (default `8096`, or `443` when SSL is enabled).
Username	A Jellyfin **administrator** username.
Password	That administrator's password.

Field	Value
Access Hash	A Jellyfin **API key** (Dashboard → API Keys).
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**.



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.

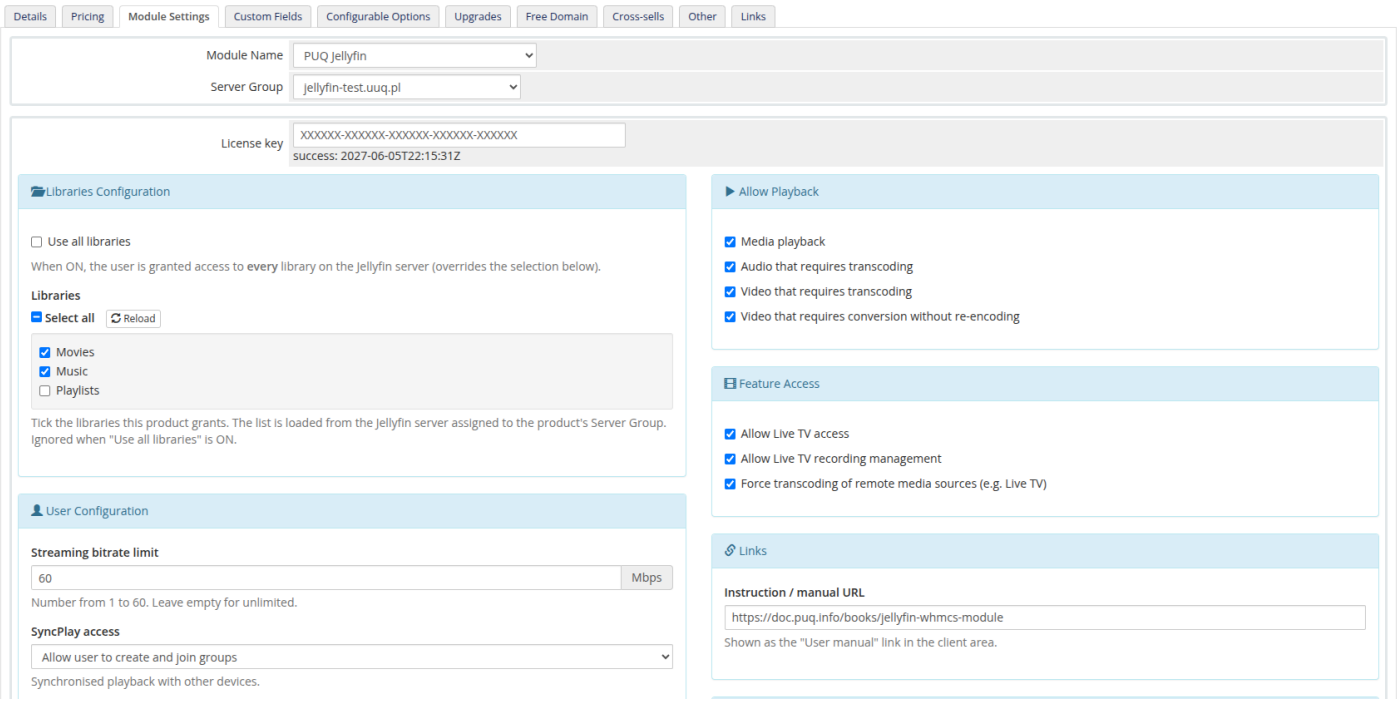
Assign the server (or a server group containing it) to your Jellyfin product under the product's **Module Settings**.

Product configuration

Jellyfin module **WHMCS**

Order now | Download | Community

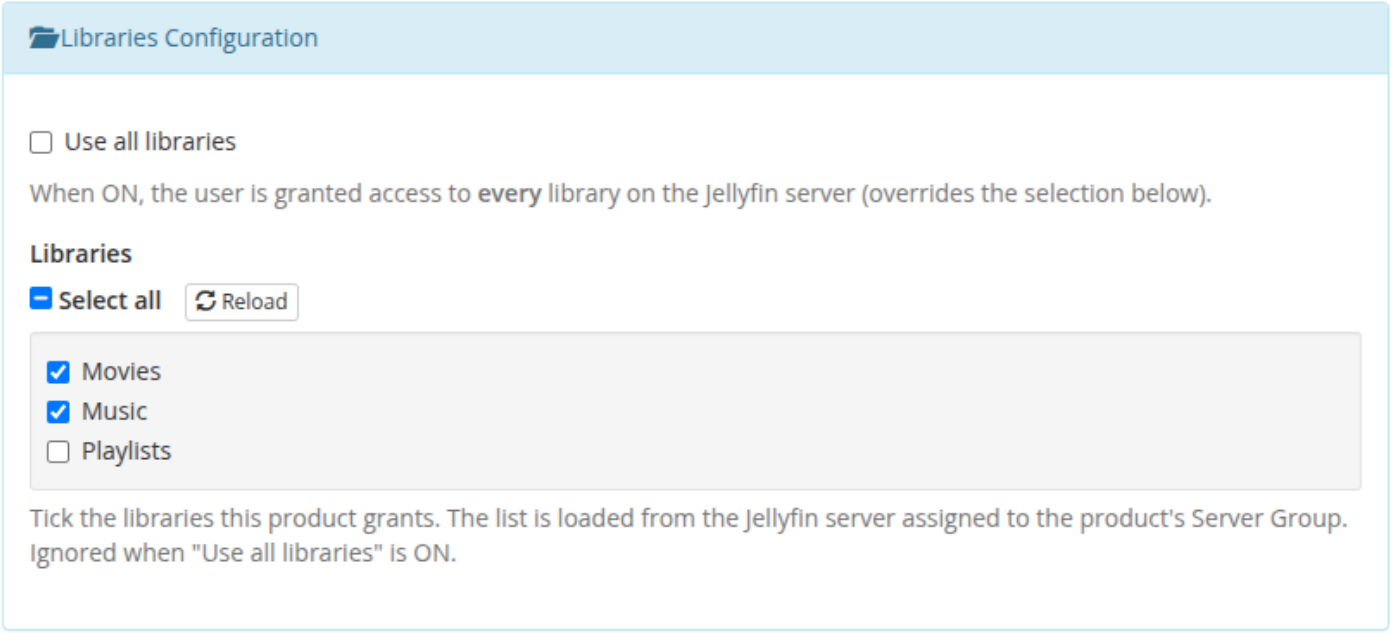
Create a product of type **PUQ Jellyfin** (Setup → Products/Services), assign the Jellyfin server on the **Module Settings** tab, then configure the access policy in the injected configuration panel.



Libraries Configuration

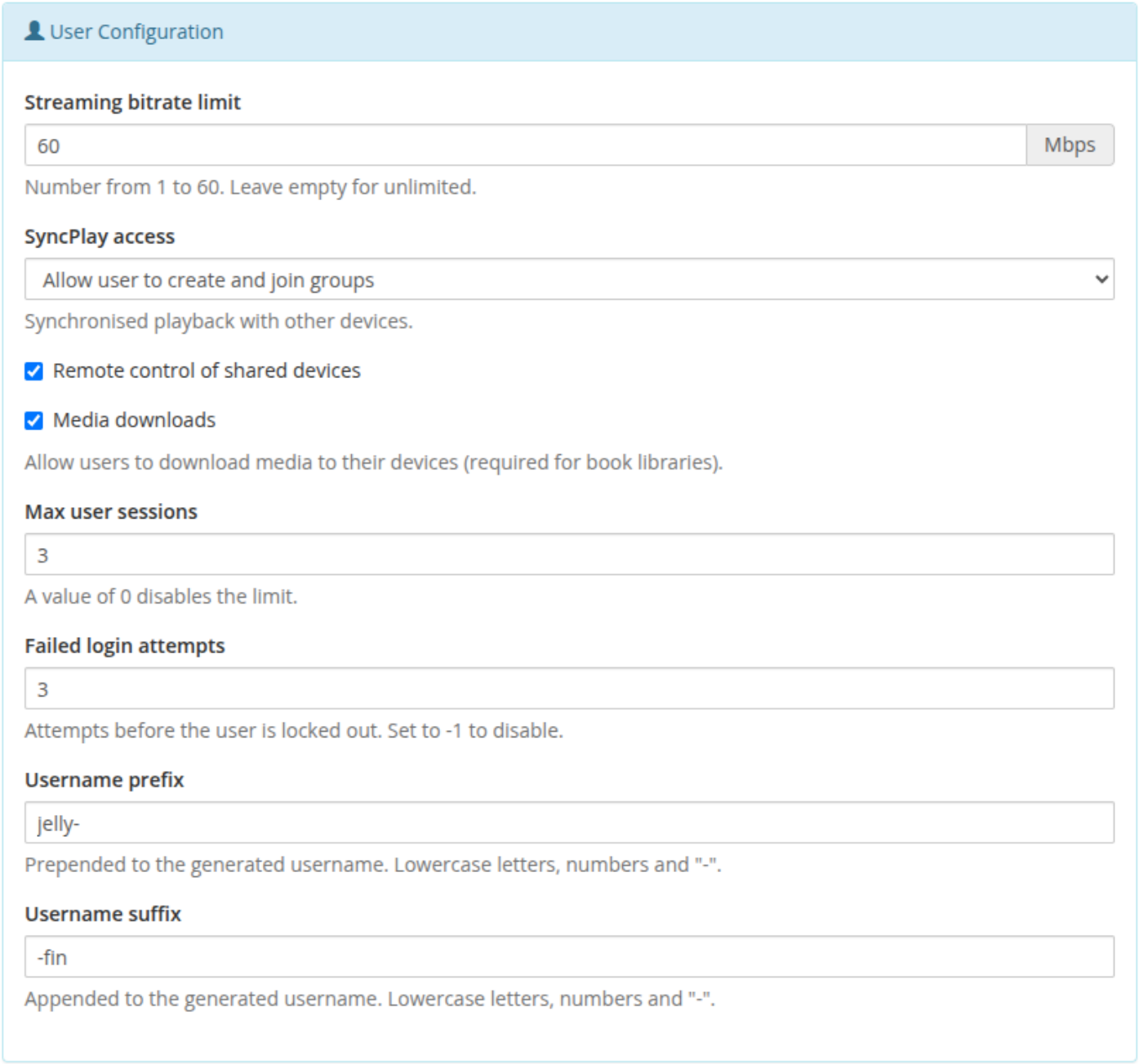
- **Use all libraries** — grant access to every library on the server (overrides the selection below).
- **Libraries** — the list of libraries is loaded live from the Jellyfin server assigned to the product's Server Group. Tick the libraries this product grants; use **Select all** to toggle everything, 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.



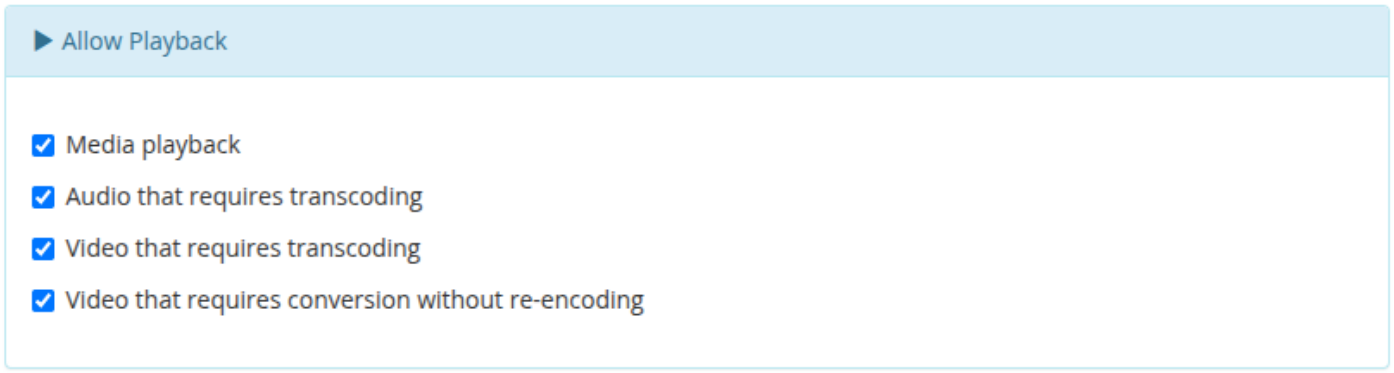
User Configuration

- **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** — `0` disables the limit.
- **Failed login attempts** — lockout threshold; `-1` disables it.
- **Username prefix / suffix** — wrap the generated username.



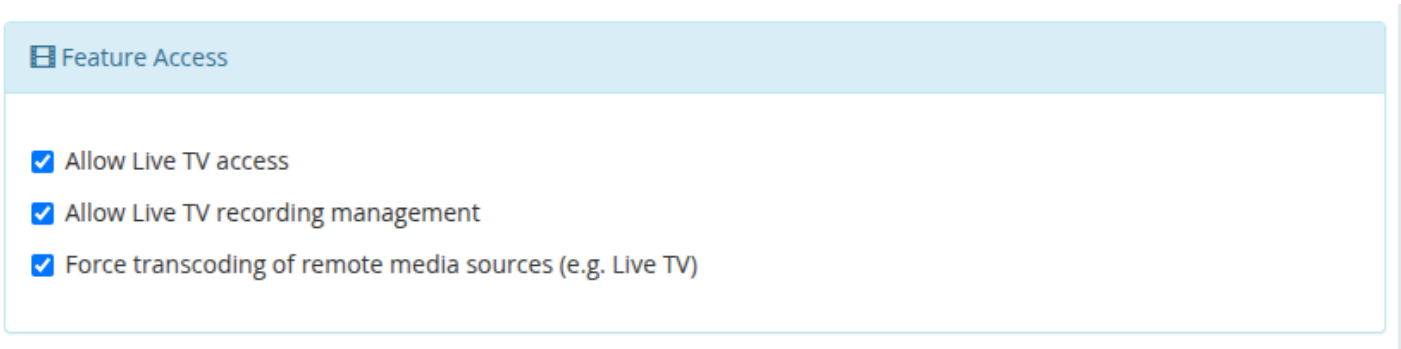
Allow Playback

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



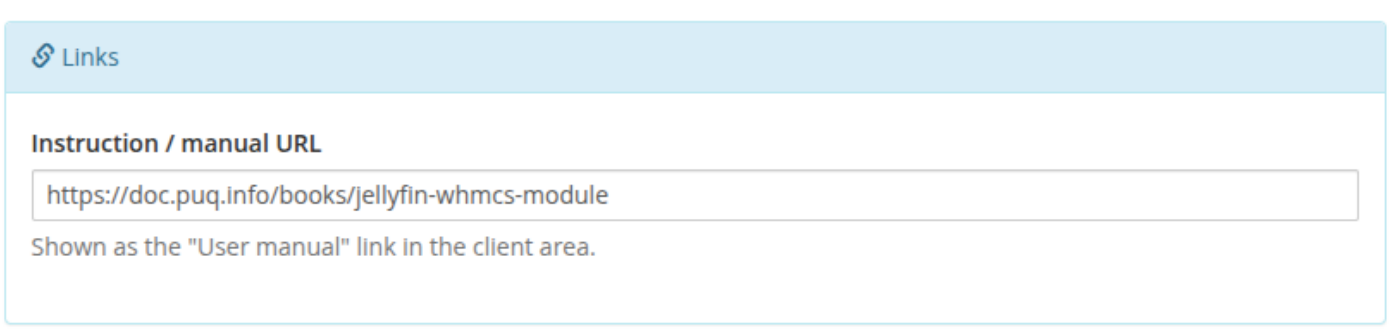
Feature Access

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



Links

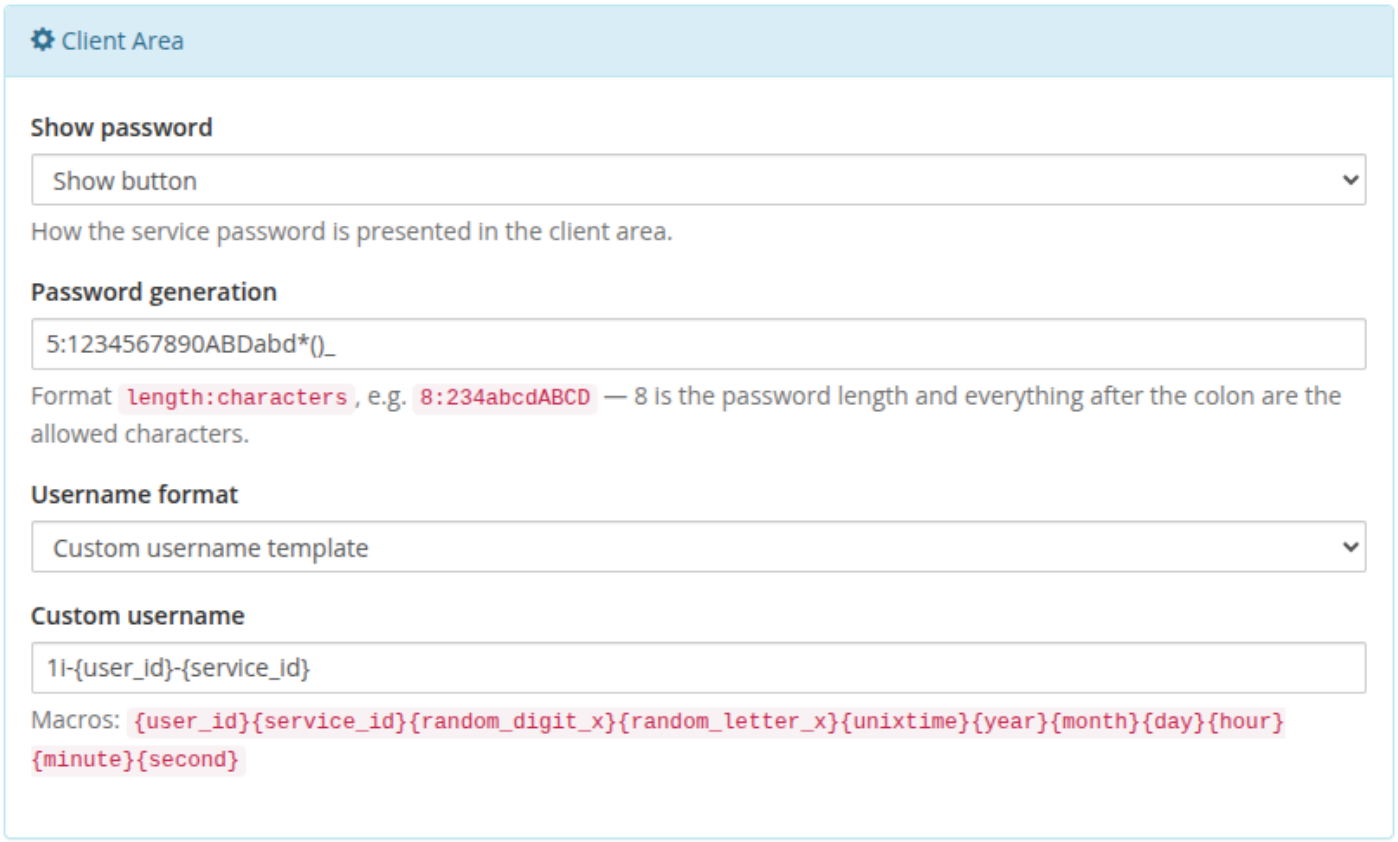
- **Instruction / manual URL** — shown as the *User manual* link in the client area.



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}`.



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

Client Area

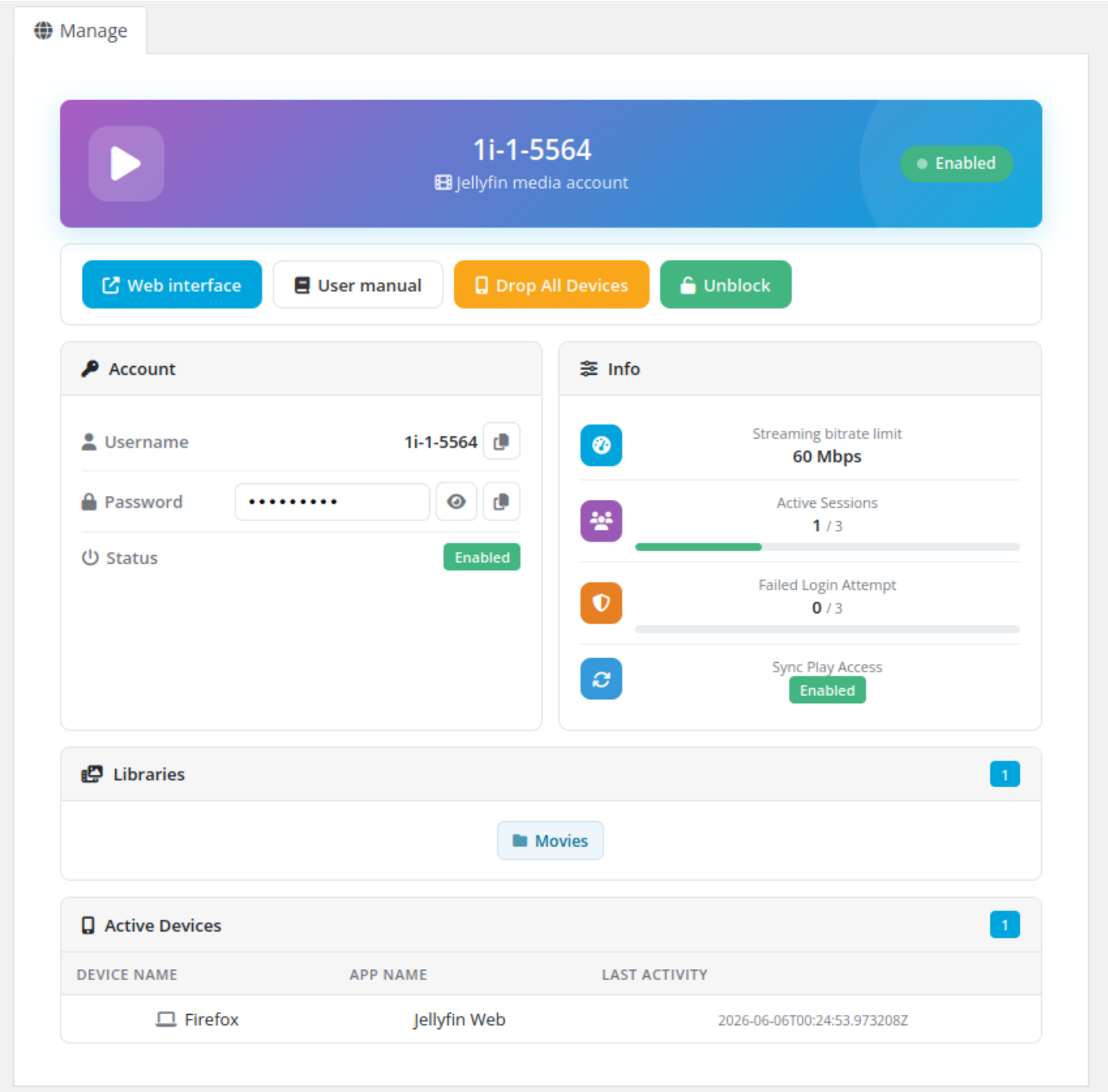
What the customer sees and can do on the Jellyfin service page in the WHMCS client area.

Client area overview

Jellyfin module **WHMCS**

Order now | Download | Community

The client opens their Jellyfin service from **clientarea.php → My Services → (service) → Information**. The page loads its data over AJAX and renders a set of cards.



Actions

- **Web interface** — opens the Jellyfin web UI in a new tab.
- **User manual** — opens the instruction URL configured on the product (if set).
- **Drop All Devices** — signs the account out of every device (confirmation required).
- **Unblock** — re-enables the account when it has been locked/disabled (shown only when disabled).

Account

- **Username** with a copy button.
- **Password** — shown as a reveal button, plain text, or hidden, depending on the product's *Show password* setting; with a copy button.
- **Status** — Enabled / Disabled badge.

Info

- Streaming bitrate limit, active sessions (with the max), failed-login attempts (with the lockout threshold), and SyncPlay access.

Libraries & Devices

- **Libraries** — chips for each library the user can access (with a count badge).
- **Active Devices** — table of device name, app and last activity (with a count badge).

All actions use AJAX and report the result with a toast notification — the page never reloads.

Admin Area

Managing a Jellyfin service from the WHMCS admin area.

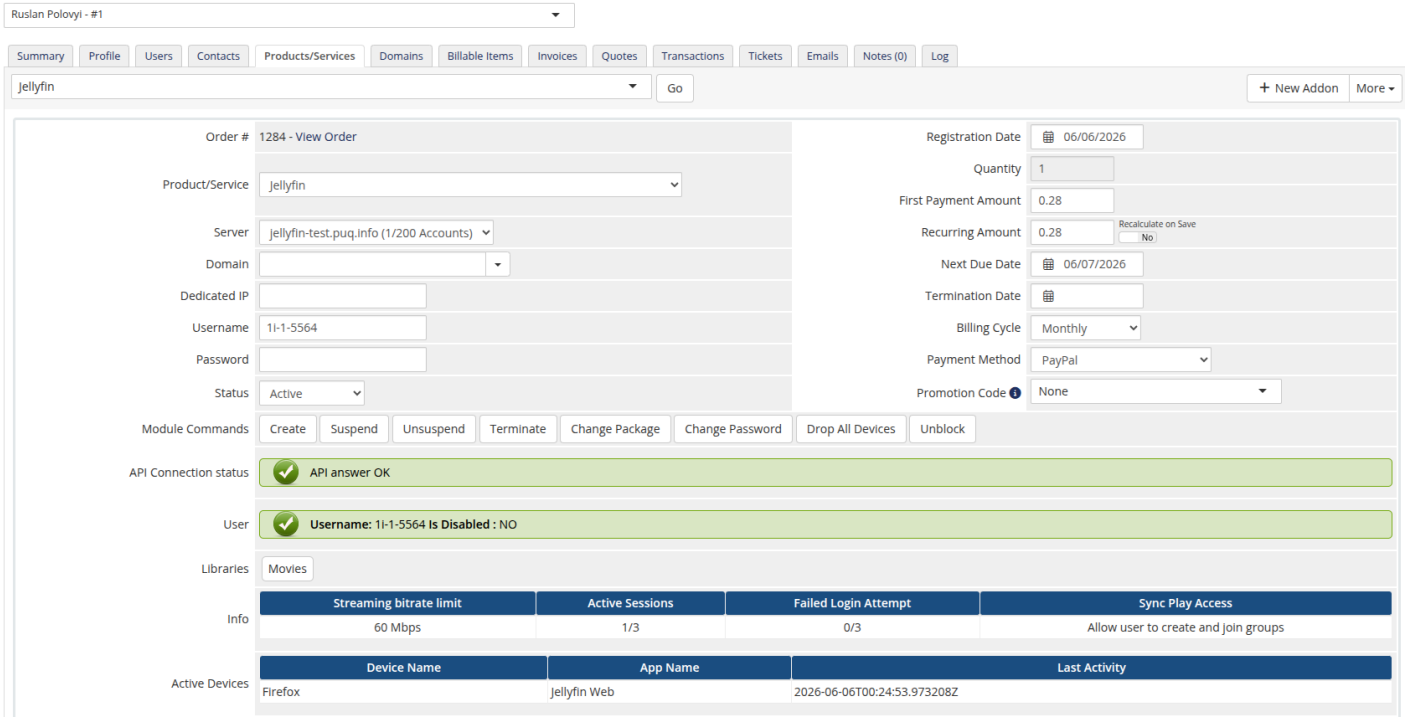
Admin Area

Service page

Jellyfin module **WHMCS**

Order now | Download | Community

On the WHMCS admin service page (**Clients → (client) → Products/Services**) the module adds an information tab and the standard module command buttons.



Module commands

- **Create** — generates credentials, creates the Jellyfin user and applies the policy.
- **Suspend** / **Unsuspend** — toggles the user's *IsDisabled* flag.
- **Change Package** — re-applies the product policy to the existing user.
- **Change Password** — resets and sets a new password.
- **Terminate** — deletes the Jellyfin user.

Custom buttons

- **Drop All Devices** — removes all of the user's registered devices.
- **Unblock** — re-enables a disabled account (requires the service to be *Active*).

Information tab

- **API Connection status** — confirms the module can reach Jellyfin.
- **User** — username and disabled state (with a too-many-failed-logins warning).
- **Libraries** — the libraries the user can access.
- **Info** — streaming bitrate limit, active sessions, failed-login counter and SyncPlay access.
- **Active Devices** — device name, app and last activity.

> All lifecycle actions are license-gated: if the license cache is stale and the license server is unreachable, the action is refused with the license error.