

Streaming Server Administrator Guide

Official operating guide for OWNER and ADMIN users.

Administrator access

Sign in at **/login**. OWNER and ADMIN accounts go to the main dashboard. The OWNER has the highest platform authority; MASTER license management is reserved for the OWNER. Keep OWNER credentials private and use delegated accounts for routine work.

Clients and staff

- Create the organization under Clients.
- Create or assign staff under Users & Roles.
- Grant only the required organization role.
- Verify each staff member sees only the assigned workspace.
- Disable access when it is no longer required.

Channels and ingest

- Create the channel for the correct organization and choose radio or video.
- Set FREE, PREMIUM, or PRIVATE access.
- Generate or rotate the channel ingest credential.
- Deliver credentials privately.
- Run a short encoder test before a real event.

Secure streaming

Public live-video publishing uses encrypted **RTMPS on TCP 1936**. Internal RTMP on 127.0.0.1:1935, application port 3200, PostgreSQL, Redis, and Icecast 8000 should remain private.

AutoDJ and radio

Upload processed audio, build playlists, and schedule them from Playlists & AutoDJ and Shows & Schedule. AutoDJ supports crossfade. A live DJ can take over and AutoDJ resumes after the live source disconnects.

Video, podcasts, and VOD

Video can use source or adaptive profiles. Podcasts support series/episodes; VOD supports standalone on-demand video. Content can be FREE, PREMIUM, or PRIVATE.

Billing and entitlements

Billing stores plans, subscriptions, invoices, payment events, and purchase orders. Entitlements control paid-content access. Stripe and PayPal integration is built in; provider credentials and webhooks must be configured before live payments are enabled.

MASTER license management

- Create a license for the customer/install.
- Deliver installer and license serial securely.
- Install on a supported Ubuntu server.
- Verify the child reports LICENSED and ACTIVE.
- Revoke or suspend only when required by your policy.

System health and backups

Use System Health for component status, backups, and recent events. Before upgrades, domain changes, or major configuration changes, create a fresh backup and confirm success. Installer/recovery tools are under `/opt/streaming-server-private/installer/`.

Changing the domain

- Point new DNS to the server.
- Update public/application domain settings and Nginx `server_name`.
- Issue a valid TLS certificate.
- Update the RTMPS TLS certificate/domain.
- Update MASTER license URLs.
- Update Stripe/PayPal return and webhook URLs.
- Test HTTPS, login, HLS, radio, RTMPS, licensing, and payments before redirecting the old domain.

Upgrade procedure

- Create a backup.
- Run preflight checks.
- Stage the new release.
- Apply migrations and build.
- Switch only after staging passes.
- Run acceptance tests.

- Keep the prior release available for rollback until stable.

Security checklist

- Expose only required public ports.
- Use RTMPS 1936 for public encoder publishing.
- Rotate compromised stream credentials immediately.
- Use role-based access instead of shared admin accounts.
- Review system events and backups regularly.
- Never place API keys, database passwords, payment secrets, stream keys, or license serials in public documents.