# 🧑‍💼 Superadmin Operational Panel

## ✨ Module Overview

The **Superadmin Operational Panel** is the centralized control room of the entire SaaS platform. It empowers the SaaS owner (you) and your core team to:

* Oversee all customer subscriptions and accounts
* Approve/cancel/pause billing or module access
* Monitor revenue, usage, and technical performance
* Adjust limits, pricing tiers, API quotas per brand
* View logs, alerts, and system errors
* Manage white-label settings, app tokens, and permissions

This is **not visible to any SaaS customer** and is strictly used by the platform operator.

## 🔐 Core Functional Areas

### 1. 📆 Subscriptions & Billing Manager

* View all active, trial, paused, and canceled brands
* Search brands by name, email, plan
* See plan: (Basic, Pro, Enterprise, Custom)
* View modules subscribed per brand
* Modify plan manually (with reason note)
* Pause/cancel/reactivate
* Add credit, discount, refund (with log)

**Integrations:** Stripe, Paddle, SSLCommerz, Manual Billing API

**Logs:** - subscriptions - subscription\_actions - subscription\_modules

### 2. 📊 Accounting & Financial Dashboard

* Total monthly recurring revenue (MRR)
* Revenue by plan/module
* Refunds, failed payments
* CSV export by month or quarter
* Tax breakdown per country
* Daily / weekly growth chart

**Visuals:** Charts for: - Net MRR, Gross Revenue, Refunds - Plan-wise subscriber counts - New signups, churns

**Tables:** - payment\_logs - invoice\_summary

### 3. 🛰️ System Health + Background Jobs

* Status: Facebook API, Instagram, OpenAI, WooCommerce, Shopify
* Show downtime/errors with timestamp
* Last API ping + response time
* Background task queue:
  + Embeddings
  + Blog generation
  + Syncs

**Alerts:** - Delayed syncs >5min - Failed blog jobs - FB token errors

**Tables:** - job\_queue - api\_ping\_logs - system\_failures

### 4. 📊 Usage Analytics Panel (Per Brand)

* API token usage
* Image/Video generation count
* Blog/FAQ created
* Inbox replies auto vs manual
* Storage used
* Current plan vs usage limits
* Auto-flag overuse

**View:** - Table: Top 10 brands by usage - Export: Per-brand usage sheet

**Tables:** - usage\_metrics - plan\_limits

### 5. 🏛️ Module Control Center

* See which brand has access to which modules
* Toggle enable/disable instantly
* Set module price overrides
* Set feature flag (beta, legacy, hidden)
* View module changelog
* Global module setting (on/off globally)

### 6. 🏢 White-Label Manager

* Brand name, logo
* Custom domain (CNAME status)
* Support email and contact info
* Toggle visibility of “Powered by SaaS”
* Change UI color scheme per brand

**Tables:** - brand\_settings - white\_label\_domains

### 7. ❌ Incident Logs & System Alerts

* Logs of system errors per module
* Repeated token errors or quota breaches
* Integration failures
* Retry queue logs (job retried 3 times, etc.)
* Mark resolved + internal comment

### 8. 🔓 Permission Control & Logs

* Superadmin staff access:
  + Owner
  + Developer
  + Billing Manager
  + Customer Success
* Invite/remove internal staff
* Grant temporary access to dev team (with expiry)
* View access log by IP/time/device

**Tables:** - admin\_users - admin\_logs - admin\_roles

## 🔗 Integrations

* Stripe / Paddle API
* Facebook / Meta App Token Status
* OpenAI usage API
* Webhook retry services
* Manual billing/credit adjustment API

## 💡 Suggested UX Design

* Left-side menu: Dashboard, Subscriptions, System, Logs, Alerts
* Topbar: Quick search, notifications, dark mode
* Usage Graphs: Cards + toggle (day/week/month)
* Toggle switches for modules
* Tabs for plan switch, refund, limit change

## 🛠️ Optional Extensions

* Auto-billing PDF generator
* Audit log viewer by time range
* Mobile admin app (Lite)
* Developer CLI access + GraphQL explorer

## 🎉 Outcome

This panel becomes the **heart of operations**: - Makes scaling efficient - Provides real-time visibility into revenue + risk - Simplifies debugging brand issues - Controls modular access in one place - Enables internal team collaboration

✅ Now documented as a separate file. Ready to link in master doc + cross-referenced with Customer Support, Identity, and Billing modules.