



OMEGA

Professional streaming amplifier

A hospitality and commercial audio building block for premium hotel rooms, suites, villas, small public areas and integrated AV projects.

1 product, 3 deployment modes

Standalone · Distributed · Integrated



2 x 50W RMS

Wi-Fi / Ethernet / BT 5.0

Streaming + TV audio

Open integration

Omega overview

Flexible deployment for hospitality and commercial audio

1 product, 3 deployment modes

Omega is a professional streaming amplifier. It is a hospitality and commercial audio building block that combines TV audio, guest music, streaming, amplification and project-friendly control in one compact platform.

This allows one product to cover multiple project scenarios: a standalone room amplifier, a distributed grouped audio platform, or an integrated endpoint controlled by client systems.



Standalone

Single-room or single-zone deployment for premium hotel rooms, suites and villas.

Distributed

Multiple units across rooms or zones, grouped for coordinated playback and volume control.

Integrated

Driven by GRMS, IPTV, automation or control systems over web, HTTP, TCP/IP, UPnP or UART / RS232.

Typical applications

Where Omega fits naturally



Hotel rooms & suites

- Premium room audio with TV sound, streaming and passive speakers.
- Ideal for hotel rooms, suites and villas.
- Simple guest-facing use with stronger project control behind the scenes.



Small to medium public areas

- Suitable for lounges, meeting rooms, spas, gyms, retail and restaurant zones.
- Can run standalone or as part of a grouped setup.
- Good fit where streaming and passive speaker amplification are both required.



Residential & luxury rentals

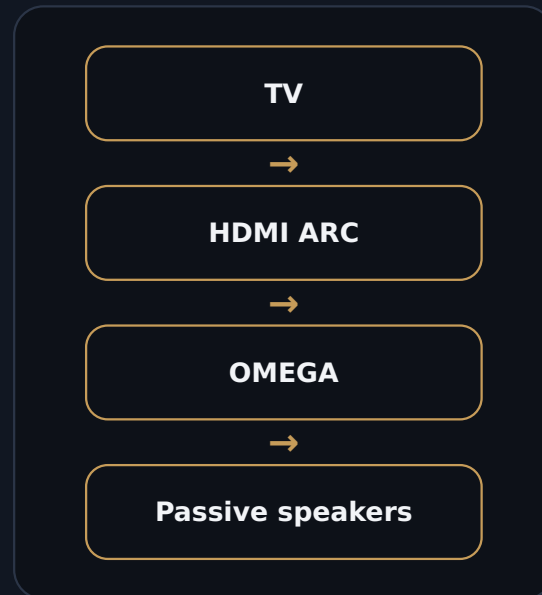
- Works well in serviced apartments, branded residences and high-end rental concepts.
- Adds professional-grade streaming with a compact footprint.
- Can also be integrated with broader control systems where needed.

Applications

Where OMEGA fits naturally in real hospitality projects

USE CASE 1

Hotel rooms & suites



- Upgrade TV sound and give guests easy music playback in one system.
- Support Bluetooth and network streaming without extra boxes.
- Allow safe volume policies and source control for hospitality use.
- Suitable for premium rooms, suites, villas and serviced apartments.

USE CASE 2

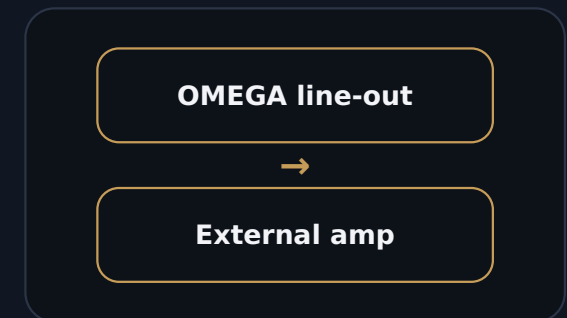
Small commercial zones

- Local audio for lounges, meeting rooms, gyms, treatment rooms, bars and small restaurant zones.
- Drive passive speakers directly.
- Control by browser, schedule or external system.
- Group multiple units where network playback is required.
- Good fit where consumer products are too limited or too closed.

USE CASE 3

OMEGA as streamer / pre-amplifier

Use OMEGA as a streaming amplifier / streaming source connected to a larger amplifier setup via RCA line-out. This allows integrators to add Spotify Connect, AirPlay, TIDAL Connect, UPnP/DLNA and Bluetooth to an existing audio system without replacing the full amplifier infrastructure.



Features, connectivity & control

Built for real-world hospitality and AV projects

Core features

- 2 x 50W RMS Class-D amplifier for 4-8 Ω passive speakers.
- HDMI ARC, Optical, RCA Line-In, Phono, USB-A host and USB-C DAC.
- RCA Line-Out plus dedicated subwoofer output.
- Wi-Fi, Ethernet and Bluetooth 5.0.
- Streaming support for Spotify Connect, AirPlay, TIDAL Connect and DLNA/UPnP.
- Acts as a streaming amplifier or streaming source via RCA Line-Out.



Control: Browser interface, HTTP, TCP/IP, UPnP, UART / RS232, IR remote and **mobile app for multi-room control.**

Tools & integration workflow

Project control without locking the integrator into one interface

Browser interface

Local setup and configuration through the device IP interface. Useful for installers during commissioning and service.

Omega Suite

Desktop / online workflow for discovery, configuration support, diagnostics and integration testing.

Mobile app

End-user control for multi-room use: grouping, ungrouping, source and volume control in a simple interface.

Open control

Integration options include HTTP, TCP/IP, UPnP, UART / RS232 and IR for AV, IPTV, GRMS and automation projects.

Project logic: configure the system for the project, then expose only the level of control required by the guest, installer or third-party control platform.

Control, configuration and integration

Professional control options are a key part of the Omega proposition

Open project control

OMEGA can be controlled as part of another system — the Dampf interface is not the only option.

HTTP

Source selection, volume, mute, play / pause, power state and player feedback.

TCP/IP

For projects or platforms that prefer socket-based control.

RS232 / UART

Useful for wired control workflows and control-processor integration.

UPnP / DLNA

Playback and network audio functions where relevant.

IR

Additional control option for project or local user workflows.

Browser

Simple local control and configuration through the current interface.

Browser administration

Primary installer configuration through the device IP address for network and device settings, source enable / disable, Bluetooth name and PIN, zone naming and playback settings.

OMEGA Suite Desktop

Project and integration toolkit for Windows with device discovery, Wi-Fi / Ethernet checks, HTTP / TCP-IP testing, RS232 / UART references, UPnP / DLNA tools and diagnostics.

Omega DSP Tool

Direct USB-C connection for audio tuning and detailed DSP work including EQ, filters, gain behaviour and speaker matching.

Selected references

Representative hospitality references

Reference list

- Hotel Arts Barcelona
- Morpheus COD - Macau
- Swissotel Amsterdam
- Lutetia Paris
- Wythe - New York
- Hotel Café Royal - London
- Conservatory by Mandarin Oriental - Amsterdam
- W Macau
- The View of Rotterdam - Netherlands
- St. Regis Mexico City



Technical specifications

Project planning and sales reference

Specification	Value
Product type	Class-D network amplifier / streamer
Power output	2 x 50W RMS @ 4 Ω / 8 Ω
Speaker impedance	4-8 Ω
Frequency response	20 Hz - 20 kHz
THD+N	< 0.1% @ 1W / 1 kHz
Signal-to-noise ratio	> 93 dB
Network	Wi-Fi IEEE 802.11 b/g/n 2.4 GHz · Ethernet RJ45
Bluetooth	5.0
Inputs	HDMI ARC, Optical, RCA Line-In, Phono, USB-A host, USB-C DAC, Bluetooth, Network
Outputs	Speaker Out, RCA Line-Out, Subwoofer Out
Streaming / playback	Spotify Connect, AirPlay, TIDAL Connect, DLNA/UPnP, Bluetooth, USB playback
Control	Web interface, HTTP, TCP/IP, UPnP, UART / RS232, IR remote, mobile app for multi-room control
Display	1.3" OLED
Power input	24 V / 4.16 A
Dimensions	185 x 155 x 50 mm



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