



PROFESSIONAL BLUETOOTH AUDIO FOR HOTEL ROOMS & MORE

EASY TO USE | EASY TO RUN | EASY TO INSTALL

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Hotel Morpheus by Melco Resorts
Architect: Zaha Hadid



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by Ritz-Carlton



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by The Set Hotels



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dampf-hotel.com

DAMPF BLUETOOTH HUB

The Dampf Bluetooth Hub is an industrial grade audio amplifier featuring a Bluetooth Engine with internal ceramic antenna, pre-amplifier, 40 W power amplifier (20 W RMS per channel) and a micro-controller.

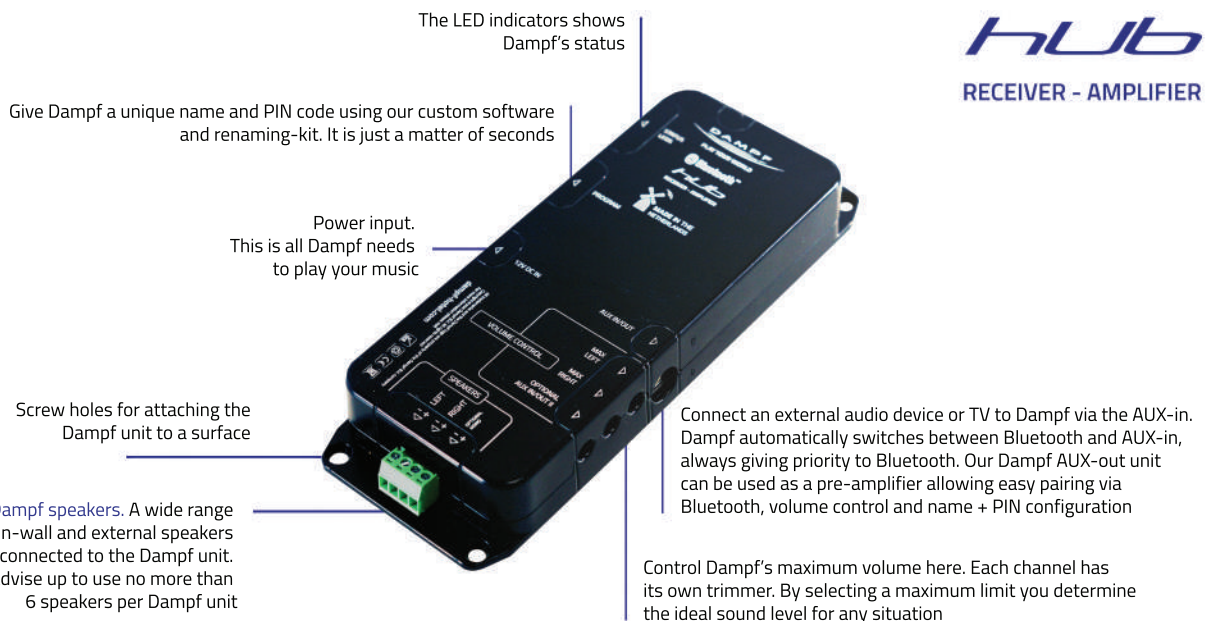
An additional device (e.g. TV, soundbar or tablet) can be connected through AUX-in (3.5mm audio jack). A multiplexer switches automatically between Bluetooth and Aux audio. 1-6 speakers can be connected in mono or stereo.

Stable Bluetooth connectivity, simplicity for both guest and provider, and superb efficiency characterise Dampf. Dampf also allows for easy configuration of name and pin-code (pairing protection), volume limitation per channel, and setting the number of Bluetooth users it remembers.

Due to the internal controller and its reliability the Dampf unit is a professional alternative to consumer Bluetooth audio speakers and amplifiers. The system is designed and produced in The Netherlands.

Applications

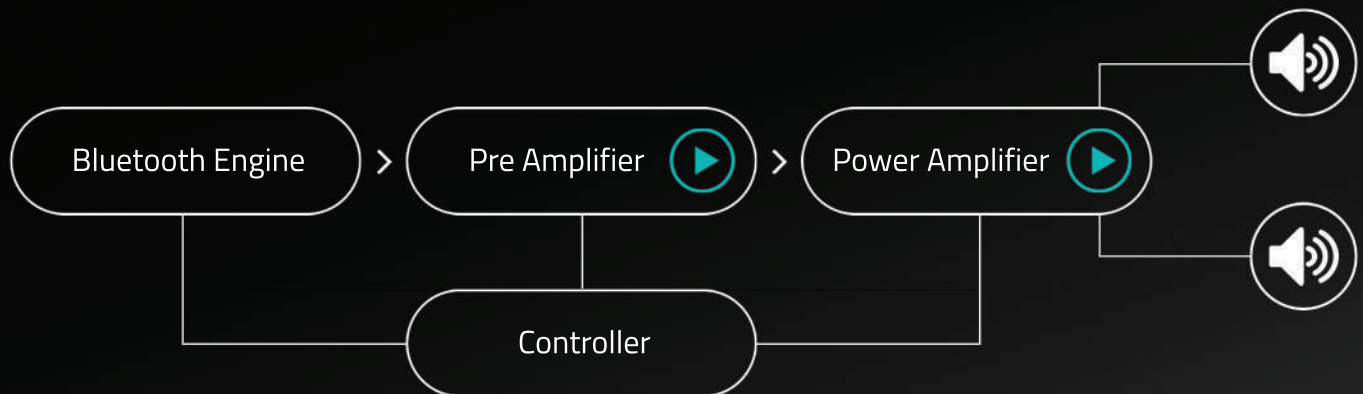
Hotel rooms and suites, short and long-stay apartments, spa and wellness, offices and work hubs, professional kitchens, conference and meeting spaces, small retail shops, bars and lounges.



 **Bluetooth™** Dampf is compatible with any Bluetooth 2.0 + device

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Main components



How it works

The four main blocks of the unit work together as follows: the Bluetooth module, which is connected to a ceramic antenna, independently looks for Bluetooth devices (like smart phones) and "pairs" with a device - only one at a time - if it fulfils the requirements. The resulting audio signal is sent to a pre-amplifier which boosts it and sends it to the power amplifier. The power amplifier signal is sent to the external speakers.

The controller checks the status of the other modules and will channel the flow as required. Another important element of the in-unit design (not shown in picture) is the safeguarding of the power quality; this minimises noise in all modules - and allows use of (external) switched power supplies.



HUB
RECEIVER - AMPLIFIER



Technical specifications

Dimensions: 16.2cm x 6.9cm x 2.2cm (LxWxH)
Weight: 140 grams
Power supply input: 110-240 VAC, output 12V DC
2x 20W RMS output
D - Class amplifier
Bluetooth range is about 15m (using the internal ceramic antenna)
CE certified

Key features

No Switches, buttons or apps - all control via guest's device (Dampf automatically goes into standby mode)

Theft and damage proof

Heat, dust, humidity resistant

Internal micro-controller for 24/7 reliability:
Dampf monitors itself and resets settings if required, resulting in zero care

Earliest units have been working for 5 years without need of support

Superior power regulation (no interference)

Very low power usage. Only 0.8W in listening mode (D-class amp)

Plastic casing in order to meet NEN1010 standards (non-metal required)

Only top quality components are used

Privacy. No data gathering. Virtually hack-proof

Loudspeakers

Up to six low impedance speakers can be connected per Dampf Bluetooth Hub. We have a selection of ceiling and wall-mounted speakers that match perfectly with the Dampf Bluetooth Hub. It is also possible to use other low impedance speakers.

Please contact projects@dampf-hotel.com for more information about our speakers.



Customization options

Connect 1-6 low impedance speakers ($\geq 2 \Omega$ /channel) - wall-mounted or ceiling speakers

Easily switchable between MONO and STEREO

Easy to program individual name and PIN code for optimised control

Set maximum volume limit per channel - (trimmers)

Pairing range can be limited (to manage room to room visibility)

Number of remembered pairing addresses can be set from 0 to 8)

External devices (e.g. TV or soundbar) can be connected via (AUX-IN)

Optionally use as a pre-amplifier (AUX-OUT)

Can be linked to existing emergency system; 1. switch-off or 2. play the alert, but NOT the source (sound comes in via AUX, unit connected via RJ45 port) – note: Dampf is NOT primary alarm but can be used to play alarm sound and optionally an alarm message

Other settings/configurations can be arranged on request/cost

Technical support

Our role is not limited to that of manufacturer. We provide dedicated integration services for our products. Our engineers gladly assist you during projects. Also are we more than happy to prescribe in-room audio solutions based on your requirements. Key to our solutions are durability and user-friendliness for both user and owner.

We support our clients with:

- Project and product proposals
- Firmware modifications
- Installation and technical support on site
- Custom integration design and delivery
- Product sourcing

Contact projects@dampf-hotel.com for the possibilities.