

STEP 1 | Unpacking the box

Take the components out of the packaging and identify:

- Dampf unit (Bluetooth receiver/amplifier)
- 12V power supply and 230V power lead (optional)
- Speaker connector (4-pin green plug)
- Speakers (Type and amount depends on your personal configuration).
- **Attention:** Use the Dampf unit with low impedance speakers only.
- Speaker cable (optional)

On the side of the Dampf unit there is a sticker with the Amplifier name (usually a room number) and (optional) pin code. Ensure the correct unit is being installed into the right room before installation. Should there be any components missing please contact your reseller.

STEP 2 | Preparation

Before installing the set Dampf advises to inspect the location where the system will be installed. Check the following points:

- Is there access to a power point?
- When using ceiling speakers: Is there enough depth to build in the speakers? (Depth of speakers can be found on the back of speakers)?
- When using ceiling speakers: Are there structural beams/components impeding the speaker placement?
- Will there be enough speaker cable to connect the speakers towards your desired end location?

STEP 3 | Ceiling speakers

Please follow the installation instructions of the speakers. Drill holes in accordance to the speaker's cut out diameter in the surface you would like to install the system. Dampf advises to use a marvel which can be set to the exact size for the best result as well as a minimum distance of at least 1.5 meters between the two speakers is recommended for the best stereo sound. Speakers can also be installed in separate rooms individually. For this it is possible to switch the amplifier to mono. This ensures each speaker plays both the left and right channel mixed.

STEP 4 | External speakers

Please follow the installation instructions of the speakers. A minimum distance of at least 1 meter between the two speakers is recommended for the best stereo sound. Speakers can also be installed in separate rooms individually. For this it is possible to switch the amplifier to mono. This ensures each speaker plays both the left and right channel mixed.

STEP 5 | Installation of receiver/amplifier

CAUTION: Disconnect power before connecting to the power grid.

This can be connected in multiple ways:

1. Using a power plug (standard wall socket)
2. Direct via junction terminal
3. In connection to a power switch

These are common setups for any installation company. The Dampf Audio System is designed to be on permanently (i.e. not connected to switch) but can also handle being switched on and off frequently (e.g. power through room-access). The supplied power cable needs to be inserted into the "figure-8" plug on the adapter. The socket on the fixed cable on the adapter needs to be inserted into the Dampf unit. The Dampf unit will signal when this done correctly by briefly flashing all three status LEDs. The amplifier is fully ready for operation when the middle LED (green) is on.

Step 6 | Connecting Speakers

Dampf recommends plugging the speaker cables into the speakers and amplifier only when there is no power on the amplifier. The amplifier shows there no power on it if all LEDs are off. (or: the unit is powered down when all leds are off). Insert left and right speaker cable into the speaker connector (green plug) on the Dampf unit. For the connection on the speaker side please follow the installation instructions of your speakers. Switch the main power back on the grid and connect a device with Bluetooth. Test if music is played over the installed speaker. If music is heard repeat the procedure for the second speaker.

The Dampf Audio System is now ready for use!

Configuring the system

Name / PIN code

The Dampf unit comes programmed with its own name and PIN code. If a different name or PIN is desired, please contact your dealer or use the separately available Dampf Programming kit.

Stereo/mono

If mono setup is preferred please:

1. Remove all cables (speakers, power etc.)
2. Open the case by removing the 6 screws on the bottom plate of the unit.
3. Gently take of the top lid by tilting it forward so that the case comes over the programming port.
4. Locate the jumper between the AUX port and power connector named MONO.
 - If the unit is set to stereo and mono is required, simply take of the jumper that is only placed on one pin and put it back over both pins
 - If the unit is set to mono and stereo is required, simply take of the jumper that is placed over both pins and put it back on one pin.
5. Reassemble the unit (lid, screws, cables)

Volume limit

The volume of the Dampf is to be controlled via the volume control of the connected device. However the maximum level can be set thus ensuring no disturbance of others.

The volume control section on the Dampf unit has three rotating trimmers (pot meters) which are used to set the maximum volume. During installation it is recommended to set the connection device (phone, tablet etc) to the maximum volume so that the loudest desired volume will be set correctly.

This feature is especially recommended if the speakers are installed in separate spaces. For instance, a small bathroom with a lot of tiles will not require as much volume as a large living space with much carpet and bedding.

Using a small (preferably plastic) screwdriver on similar tool, gently insert it into the X shaped slot in the side of the Dampf. By turning the tool clockwise the maximum volume is increased. By turning the tool counter clockwise the maximum volume is decreased. A new Dampf will have all the trimmers set in the middle.

- Max L trimmer sets the volume limited on the left channel
- Max R trimmer sets the volume limited on the right channel

Output limit is used to control the overall amplification. It is strongly recommended to leave it in the middle as it delivers the best quality. Setting it higher may cause clipping.

Technical specifications of the Dampf unit

- Dimensions / Weight: 16.2cm x 6.9cm x 2.2cm (LxWxH) / 140 grams
- Power supply input: 110-240 VAC, output 12V DC
- 2x 20W RMS output
- Bluetooth range is about 15m (using the internal ceramic antenna)
- Specifically for hotels where many units may be visible at the same time the pairing can be decreased. This decreases the number of visible rooms/units. After pairing the range will be maximum (about 15 m) this option is not programmable and is only available on request.
- Plastic casing in order to meet NEN1010 standards (non-metal required)
- Special power supply specifically for audio devices
- High quality removable connector
- AUX input and automatic switching between Bluetooth and AUX
- Easily switchable between mono and stereo
- Volume limiting per channel
- Extremely power efficient (0.8W in listening mode)
- Easy-to-fit through holes in the housing
- Easy to program individual name and PIN code for optimised control
- Only high quality components from top renowned manufacturers are used
- CE certified

Resetting the Dampf unit - Factory reset

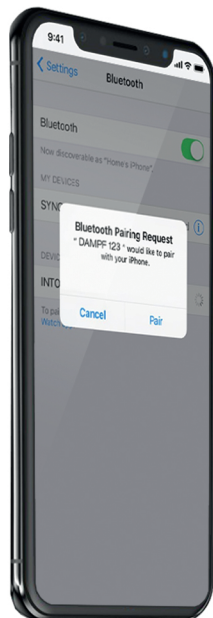
Resetting the Dampf unit will:

- Set the unit name to "Dampf" - so the original unit name will be lost.
- Set the pincode to "1212" - if password mode is enabled for the unit
- Set the correct configuration parameters.

To enable this:

- Take power off the Dampf unit
- Gently press the switch marked "Test" by pushing a plastic object through the hole of the Dampf unit cover.
- Switch power on the Dampf unit.

The Red and yellow leds will flash 15 times. After this the unit will go back to normal operation.



To pair with Dampf

- Turn on your Bluetooth
- Select your Dampf name
- Enter your pin code



Bluetooth engine

The Bluetooth engine can communicate with only ONE external Bluetooth device at a time. The engine will show to other Bluetooth devices that it is "discoverable" and available for pairing. When, for instance, a Smartphone is in range and pairs with the engine, it will no longer be visible to other devices. It is locked to the requesting Smartphone.

The Dampf unit is available in two different implementations. The standard version requires the Smartphone user to enter a pincode (or password) before being allowed to pair. (See also in 3.2 below.) The optional version omits the pincode check. Separate Bluetooth engine firmware is required to disable this pincode check.

The Bluetooth engine can be set to remember up to 8, 3 or 1 pins/passwords (MEM8, MEM3, MEM1). In MEM8 Dampf remembers the last 8 users pins/passwords, after the 8th user Dampf will ask to re-enter the pin when returning to the Dampf unit.



The Bluetooth engine will continue to be linked to the device until the user interrupts the link or until the device moves out of proximity.

Dampf BV

Please read our Dealer Guide for technical information on the Dampf unit.

The parties agree that the content of this document is commercially sensitive, and that they therefore agree to keep the information entirely confidential.

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