

SUBWOOFER
USER MANUAL

10D & INKOGNITO

S I G B E R G
A U D I O



WE CAN'T WAIT TO PLAY
YOUR FAVORITE MUSIC!

Thank you for purchasing a Sigberg Audio product. We have done our best to provide a high quality product that will be yours to enjoy for many years to come.

Please read this manual carefully to ensure that you get the most out of your investment! It includes information about how to install, set up and care for your subwoofer.

INTRODUCTION

INSTALLATION & SETUP

*For advice on optimal placement of your subwoofer, please refer to the articles section of our website:
www.sigbergaudio.no*

CONNECTIONS

Balanced (XLR) connection

Balanced analogue input and through output.

Unbalanced (RCA) connection

A stereo input signal is internally mixed to mono. For mono use, simply connect only one of the channels (left or right) or use an Y-split.

High level input

The high level input can be used to connect to your existing amplifier if no pre-out is available (use included adapter).

USB input

Connect your laptop to access the parametric EQ and additional settings. Otherwise for maintenance / service only. USB audio not supported



BASIC OPERATIONS



Amplifier overview

FA251:
Inkognito 10

FA501:
Inkognito 12 & 10D

BASIC OPERATIONS



BASIC OPERATIONS: BACK PANEL

Powering on and off

We recommend leaving the subwoofer on, unless it will not be used for an extended period of time.

Always make sure the subwoofer is powered OFF before connecting/disconnecting cables.

Gain

Default position is directly up (“12 O’clock”). The Gain can be offset up to 12dB in each direction from the default position to match the gain of your speakers / power amplifier.

Presets

3 EQ presets are available to adjust the frequency range of the subwoofer (see next chapter for more information).

Click the “select” button on the back of the subwoofer to switch between presets.

The green LED lights marked P1 / P2 / P3 will indicate the active setting.

The software needed to access these settings can be downloaded from www.sigbergaudio.no

After installing the software, locate the Hypex filter designer and launch the software. Connect the subwoofer to your computer via the included USB cable, and the software will automatically detect your subwoofer.

(Windows 7 or higher required)

BASIC OPERATIONS: ADJUSTING DEFAULTS

You may override or adjust the settings below using a laptop connected to the USB port. All settings are found by clicking the "Device settings" button in the main interface.

Auto on/off (enabled by default)

If no input is detected for 120 minutes, the subwoofer will enter power saving mode. It will automatically wake up again when a signal is detected.

Power saving settings and auto on/off sensitivity can be adjusted by changing the "Activate signal detection" parameters under Device settings.

Signal detection level 1 is the most sensitive (default), 4 is the least sensitive.

Autodetect signal source

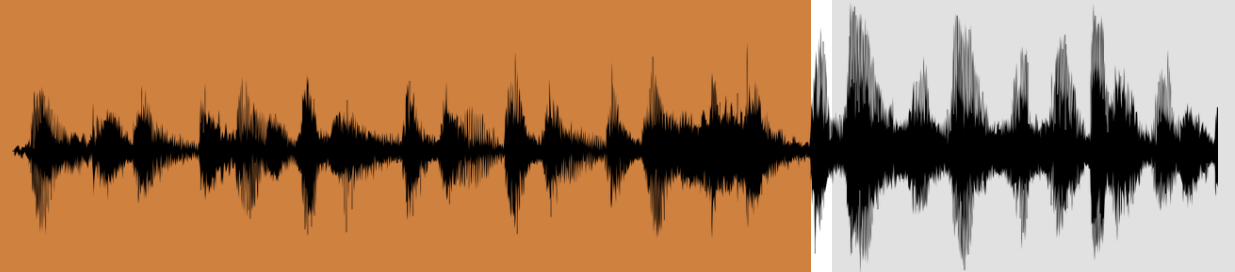
By default the amplifier will autodetect signal from any of the inputs.

If autodetect is enabled and no input is detected for 15 seconds, the subwoofer will mute (green led blinking).

Signal auto-detect can be disabled on the main screen by changing the "Force input" setting to the active input

Note: this setting is defined independently per preset.

PRESETS



Your subwoofer has three presets for crossover and EQ.

Their features and use cases are described in the following pages, but feel free to experiment with what works best for your setup.

EQ MODES

Preset 1 is recommended when connecting to a surround receiver/processor or stereo amplifier with active subwoofer support.

Preset 2 is optimized for use with the Sigberg Audio SBS.1 active speakers.

Preset 3 is optimized for use with a stereo amplifier, and has a fixed crossover of 40hz.

Note: *A subsonic filter and built-in limiter is enabled in all modes to protect the subwoofer.*

Click the "select" button on the back of the subwoofer to switch between presets.

The green LED lights marked P1 / P2 / P3 will indicate the active setting.

EQ
MODES

Preset 1: Default (250hz low-pass)

This is the default setting, and recommended for most situations (both music and movies). An external crossover / low-pass filter is required for this setting.

Run the room correction software on your receiver (if available) while in the default Preset 1 setting, and the subwoofer gain set to the default 12 O'clock setting.

A slight increase (3 to 6dB) in subwoofer volume is often necessary to compensate after the room correction procedure is completed. You can do this by carefully adjusting the gain either on the subwoofer, or in the Levels menu of your receiver until you are happy with the level of bass. Keep the Subwoofer level on your receiver at -3.0dB or below to avoid distortion.

You may also manually experiment to set the preferred crossover for the subwoofer. Please refer to your receiver / processor user manual on how to adjust gain and crossover.

To get the most out of your subwoofer and increase the headroom of your main speakers, we recommend a crossover of 80hz or higher for most speakers. 100-120hz often works well.

Unlike many subwoofers, our subwoofers will happily reproduce punchy, clean bass all the way up to 250hz.

Click the "select" button on the back of the subwoofer to switch between presets.

The green LED lights marked P1 / P2 / P3 will indicate the active setting.

EQ
MODES

Preset 2: SBS.1

In this setting the subwoofer crossover point is optimised to blend in with the Sigberg Audio SBS.1 speakers.

Please refer to the SBS.1 manual for gain recommendations.

If you own the SBS.1 speakers, but have active crossover support in your amplifier/processor and want to experiment with different crossover settings, please use **Preset 1**.

Click the "select" button on the back of the subwoofer to switch between presets.

The green LED lights marked P1 / P2 / P3 will indicate the active setting.

EQ MODES

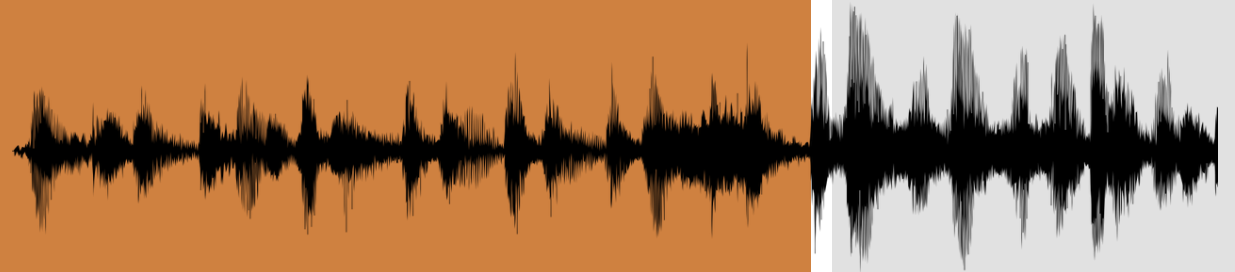
Preset 3: "Stereo" (4ohz low-pass)

Use this setting when you connect to an amplifier without crossover capabilities, and your loudspeakers are playing full range. The subwoofer will provide low-end extension beyond what the speakers can output.

A fixed crossover of 4ohz is enabled to minimize overlap with your main speakers. This setting will work well for most speakers, and if you need slightly more or less overlap, this can often be achieved simply by adjusting the gain/volume of the subwoofer.

If you need a different crossover, this can be defined manually in the subwoofers internal EQ software (see page 16).

EQUALIZER



The software needed to access the parametric EQ can be downloaded from www.sigbergaudio.no

After installing the software, locate the Hypex filter designer and launch the software. Connect the subwoofer to your computer via the included USB cable, and the software will automatically detect your subwoofer.

(Windows 7 or higher required)

MANUAL EQ: INTRODUCTION

Important note

Equalizing bass response is an advanced topic, and learning how to do that is beyond the scope of this user manual. Feel free to reach out to us if you have additional questions about this. Please do not randomly change things in the equalizer if you don't know how to do it. Worst case, you may damage your subwoofer.

Note: The EQ is configured independently for each preset.

Basic instructions for the Parametric EQ

The EQ should be used primarily to reduce peaks caused by room nodes in order to achieve a smoother in-room response, not add boost.

With the HFD software active and subwoofer connected, click the «EQ» button in the HFD interface. To add a filter, simply click one of the nine circles in the graph or one of the EQ buttons below the graph, and change the desired parameters.

- Center frequency: *The frequency you want to boost / cut*
- Q factor: *A low number means a wider frequency range is affected, a higher number means a more narrow frequency range is affected.*
- Gain: *Add a positive number to increase (boost) volume in the selected frequency range, and a negative number to reduce (cut) volume. Typical settings: +3/-6*

To apply changes:

Make sure «EQ Enabled» is selected, and then click the «Upload to DSP» button.

Tip: Trying to use all nine filters to perfectly flatten the response isn't always a good idea. Two or three well placed filters may actually sound best even though the result isn't perfectly flat.

Warning: We strongly advise against adding boost beyond 3dB.

MANUAL EQ: DEFINING CROSSOVERS

Introduction

If you don't have an amplifier with crossover capabilities and the default 40hz crossover (preset 3) isn't appropriate for your setup, the EQ can be used to emulate the crossover frequency of your choice.

How to define a new crossover:

Select preset 1.

With the HFD software active and subwoofer connected, click the «EQ» button in the HFD interface.

Select EQ-1 and enter the following:

- Type: ShelfHi
- Center frequency: *Desired crossover frequency (example: 80 hz)*
- Q factor: 0,8
- Gain: -16dB

Select EQ-2 and enter the following:

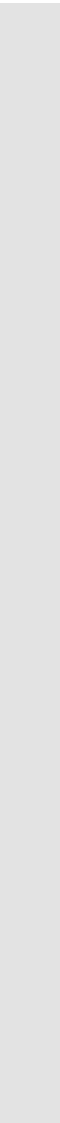
- Type: ShelfHi
- Center frequency: Double the number entered above (*example: 160 hz*)
- Q factor: 0,8
- Gain: -8dB

To apply changes: Make sure «EQ Enabled» is selected, and then click the «Upload to DSP» button.



WHEN YOU'RE DONE READING,
LET'S WATCH A MOVIE!

HELP YOUR
SUBWOOFER
BLEND IN



BLENDING IN WITH YOUR INTERIOR

The Inkognito & 10D subwoofers are designed to blend into a modern interior. Here are a couple of suggestions on how to do it.

Placing something on top of the subwoofer

The subwoofer does not vibrate much during playback, so placing something like a plant on top of the subwoofer will be perfectly fine, and will not affect sound quality. To avoid damage to the finish, we would recommend that something soft like a table cloth or rubber plate is placed between the subwoofer and hard objects like i.e ceramic flower pots.

The Inkognito subwoofer will do a great job posing as a side table or decorative table. However, we do not recommend using the subwoofer as your primary / every day table. The surface is not designed to withstand heavy abuse.

Note: If you want to really crank it up while watching the latest action movie, you may want to temporarily remove any object from the subwoofer. The laws of physics dictates that low frequency content *will* activate the subwoofer cabinet during very loud playback.

BLENDING IN WITH YOUR INTERIOR

INKOGNITO ONLY: Using alternative feet

For maximum sound quality we recommend using the included feet. They are designed to minimize vibrations as well as provide the optimal distance between the subwoofer driver and the floor. They can however be replaced by any feet designed for furniture like sofas, with minimum reduction in sound quality.

We chose the required M8 thread size specifically because it is very common for furniture feet. If replacing the feet, we recommend that you put a soft furniture pad between the feet and the floor to minimize vibrations.

IMPORTANT NOTE

If you install alternative feet, you **MUST** ensure a minimum distance of 30 mm to the floor. Otherwise you may cause the driver to physically hit the floor during playback, and subsequently damage the driver. Damage to the driver due to physical impact with surfaces or objects will not be covered by warranty.

CARE & MAINTENANCE

- Remove dust with a microfiber cloth. Remove stains by wiping it carefully with a damp microfiber cloth. Do not use any cleaning solvents or soap, as this may damage the surface. Periodically check that all cables are connected properly, and that the subwoofer is securely installed on or against a level surface.
- Control / tighten the screws holding the subwoofer driver by hand every 6 months. Do not overtighten, and cross tighten like you would the wheels on a car.



INKOGNITO 10

We strive to continuously improve our processes and products, so specifications are subject to change whenever advancements are made

TECHNICAL SPECIFICATIONS



Frequency response: 25-250hz (+/-3dB)

Bass driver: 10" long throw aluminium

Amplifier: 250W (Continuous) - Hypex nCore Class D with DSP

- 3 EQ/Crossover presets + 9 band parametric EQ
- Gain
- Inputs: Balanced / Unbalanced / High-level

Power (Auto switching)

- Low Line input voltage: 100-120Vac $\pm 10\%$
- High Line input voltage: 200-240Vac $\pm 10\%$
- Max power consumption: 350W

Dimensions

- Width / Height / Depth: 650 / 540 / 155 mm
- Included feet adds an additional 30 mm (horizontal position) / 60mm (vertical position)

Weight: 20kg

INKOGNITO 12

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TECHNICAL SPECIFICATIONS



Frequency response: 23-250hz (+/-3dB)

Bass driver: 12" long throw aluminium

Amplifier: 500W (Continuous) - Hypex nCore Class D with DSP

- 3 EQ/Crossover presets + 9 band parametric EQ
- Gain
- Inputs: Balanced / Unbalanced / High-level

Power (Auto switching)

- Low Line input voltage: 100-120Vac $\pm 10\%$
- High Line input voltage: 200-240Vac $\pm 10\%$
- Max power consumption: 650W

Dimensions

- Width / Height / Depth: 650 / 540 / 165 mm
- Included feet adds an additional 30 mm (horizontal position) / 60mm (vertical position)

Weight: 22kg

10D

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TECHNICAL SPECIFICATIONS



Frequency response: 25-250hz (+/-3dB)

Bass drivers: Dual 10" long throw aluminium

Amplifier: 500W (Continuous) – Hypex nCore Class D with DSP

- 3 EQ/Crossover presets + 9 band parametric EQ
- Gain
- Inputs: Balanced / Unbalanced / High-level

Power (Auto switching)

- Low Line input voltage: 100-120Vac $\pm 10\%$
- High Line input voltage: 200-240Vac $\pm 10\%$
- Max power consumption: 650W

Dimensions

- Width / Height / Depth: 360 / 370 / 410 mm
- Included feet adds an additional 15 mm

Weight: 27kg

CONTACT & SUPPORT

Please do not hesitate to contact us for any reason at all. We are happy to help you make the most out of your investment – and of course sort out any problems.

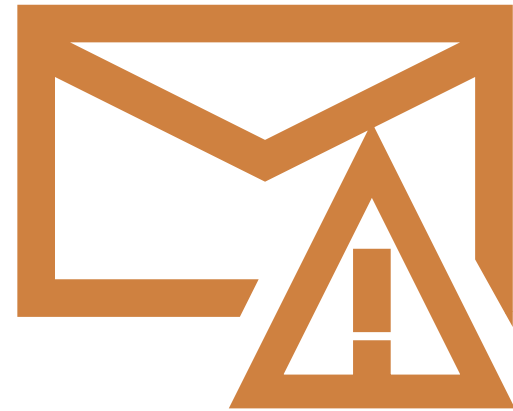
Inquiries may be directed to support@sigbergaudio.no

Please visit www.sigbergaudio.no for more information, keeping up to date with new products and additional contact options.

We wish to thank you once again for purchasing a Sigberg Audio subwoofer, we hope it will bring you joy!

Sincerely,

Thorbjørn Sigberg
Founder



ENJOY THE
MUSIC!





SIGBERG
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