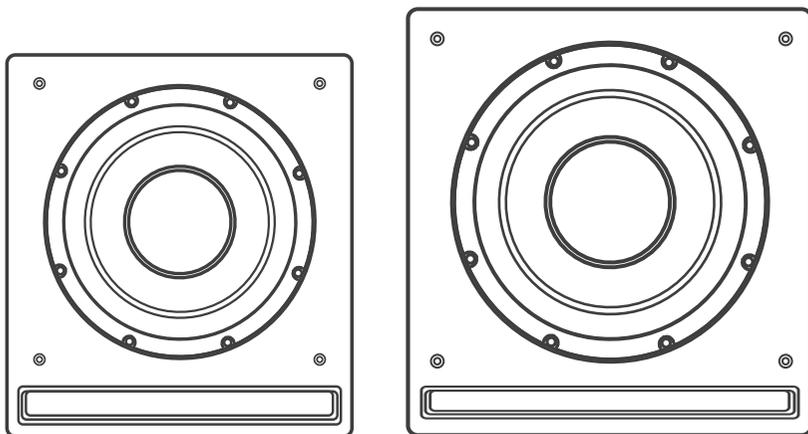


DYNAVOICE

EXPERIENCE THE NORDIC SOUND

User manual



Model: CSB-V12 & CSB-V15



Experience the Nordic Sound

In the middle of Sweden right next to lake Hjälmaren lies Örebro. It is known for its live music scene, rich nature and beautiful city centre with the majestic castle towering the many restaurants and the buzzing night life. This is where we design and engineer Dynavoice.

The Dynavoice logo is a quality stamp. It guarantees that what you now have in your possession comes from a passion for music and sound with you, the listener, in focus.

Through our different products you will discover 'the Nordic Sound', a warm and powerful, yet detailed and natural sound that over the years has become synonymous with Dynavoice.

We want you to discover new details in your favourite songs, and experience new dimensions when you re-watch your favourite movies with a Dynavoice multichannel sound system. We love what we do, and we want you to hear and feel our passion and dedication through our speakers.

Thank you for choosing Dynavoice, and enjoy listening to the Nordic Sound.



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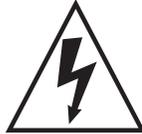
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Important safety information

Please read this information thoroughly in its entirety, heed all warnings, follow all instructions and keep this manual for further use.



This symbol indicates that there are important operating and maintenance instructions in the manual that is included with the product.



This symbol indicates that there is dangerous voltage constituting a risk of electric shock present within the product.



To reduce the risk of electric shock do not remove cover (or back).

No user-removable parts inside. Refer servicing to qualified personnel only.



When a cart is used for transportation, use caution when moving the cart to avoid injury from tip-over.

This product shall not be used near water or in any moist environments. Do not block any openings or ventilations. Clean only with a dry cloth.

Do not install near any heat sources such as radiators, stoves, or other apparatus (including amplifiers) that produces heat.

Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Be extra careful when using acoustic feet and spikes.

Unplug the subwoofer during lightning storms or when unused for long periods of time.

All Dynavoce products are designed and manufactured to meet the highest quality standard. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Warning: To reduce the risk of fire or electrical shock, do not expose this product to rain, liquid or moisture. The product must not be exposed to dripping and splashing and no object filled with liquids such as a vase of flowers or an opened soda can should be placed on the product. Neither should any naked flame sources such as candles be placed on the product.

Warning: The main power switch for the subwoofer is used to disconnect the unit from the main power supply. This switch is located on the amplifier panel on the rear of the subwoofer.

Unpacking

When you unpack your new Dynavoice subwoofer, please do it with care. In case the product involves heavy lifting or if it is too big for one person to handle – make sure to have assistance, we do not want you to break the product or yourself.

When life happens and you move to a new home, you will want to take your Dynavoice products with you. The easiest way to do this is in the original packaging so if possible - keep the box and the packing material.

The box contains:



Main power cord



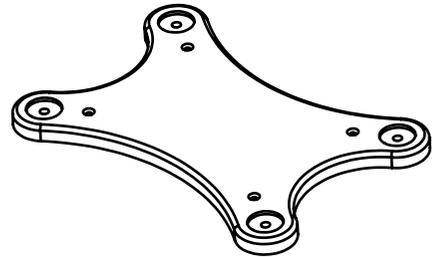
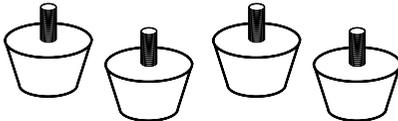
Acoustic feet



Manual

Getting started

We have designed a bottom plate to let you apply your choice of damping feet. Use the included M8 acoustic feet, or give the subwoofer a floating look by using soft damping feet that fit perfectly in to the counterbore holes. Any type of feet improves the sound and prevents it to spread through the floor so that you can stay friends with your neighbours, and get a more fulfilling audio experience.



Your subwoofer has been tested at our factory before being sealed up inside the packaging, even so we recommend you to go easy in the beginning. The initial break-in period, to soften up the suspension, is between 10-15 hours, and even though loud music is fun - be nice to your new Dynavoice product and treat it with care.

Positioning your subwoofer

A subwoofer is omni-directional and there are several possible positions to achieve the best possible bass sound depending on type of room, what your listening preferences are and what setup you have. Most likely you will have to try out a few different positions before you find the sweet spot. Exploring the many possibilities where the subwoofer gives you the best experience is part of the fun! This means that we cannot guarantee that the examples that follows will be suitable for you, instead consider these to be standard recommendations and starting points.

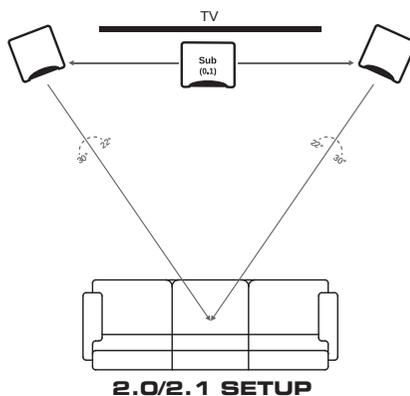
The best audio experience is usually at a listening position in the middle, between the speakers and at least at the same distance from the front speakers as it is between them. It is also here that your subwoofer should deliver the best possible sound.

The Dynavoice CSB-V type subwoofers are equipped with a front firing slot type bass reflex port, place this facing away from walls or obstacles, this applies for all the examples that follow.

Hi-Fi setup (stereo)

Front speakers - Place your front speakers 3-4 meters apart, about 0,5-1 meter away from the rear and side wall. The tweeters should be at the same height as your ears when you are comfortably sitting in your listening position and the angle of the speakers should be 22-30 degrees towards you.

Subwoofer - Place the subwoofer in the middle, centered between your speakers with the front facing your listening position. You can use this as a start off point and move it sideways to try some alternatives. If you place the subwoofer in a corner you will usually experience more bass.



Home cinema setup (5.1 & 7.1)

Front speakers (L&R) - When positioning the front speakers, the tweeters should be at the same height as your ears when you are comfortably sitting in your listening position. The angle of the speakers should be 22-30 degrees towards you. Also test different distances from the wall, this will usually affect the bass tones.

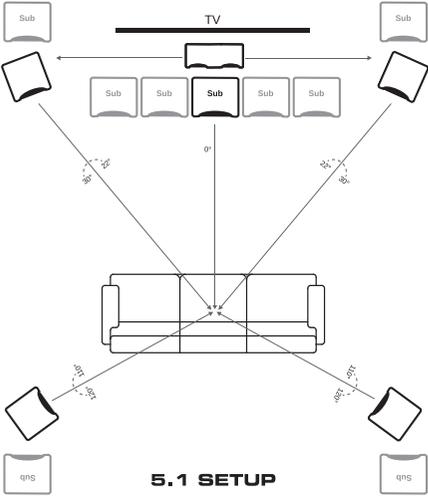
Center Speaker - Make sure that it is placed in the middle, centered between the front speakers, place it above or below your screen, and try to tilt it so that it is aimed to ear level.

Surround Speakers (L&R) - Place the surround speakers approximately 50cm above ear level, and aim them 90-110 degrees towards the listening position.

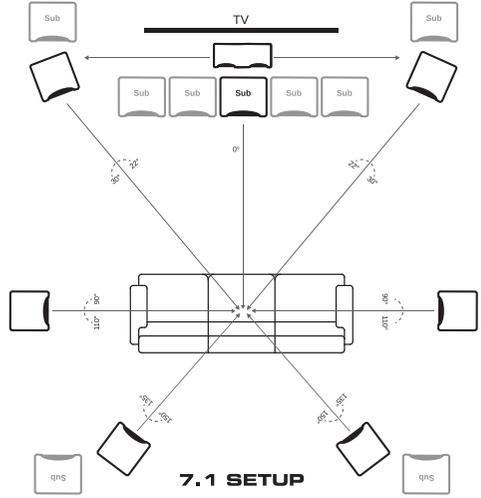
Rear Speakers (L&R 7.1) - Place the extra rear speakers at same height as the standard surround speakers, and position them so that they have a 135-150-degree angle against the listening position.

Using one subwoofer: Place the subwoofer in the middle, centered between your speakers with the front facing your listening position. You can use this as a start off point and move it sideways to try some alternatives. If you place the subwoofer in a corner you will usually experience more bass.

Using two subwoofers: Place the subwoofers in the front two corners, or one subwoofer on the opposite side diagonally across from each other or center the subwoofers between the front speakers straight across from each other.



5.1 SETUP



7.1 SETUP

Connecting your subwoofer

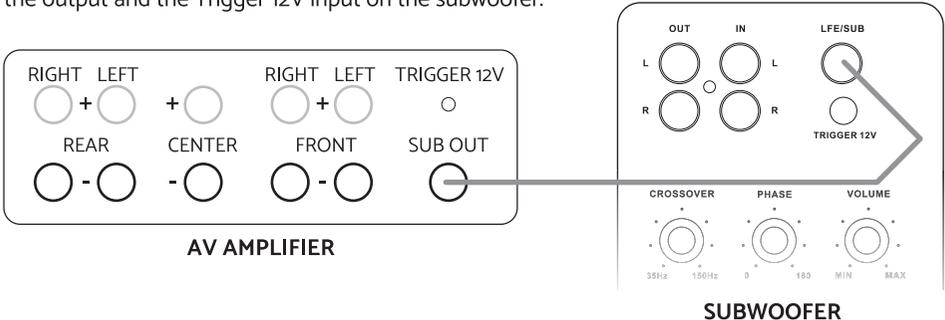
To get the best experience possible from your new Dynavoice subwoofer we recommend you to use high quality cables and plugs. **Always make sure that your amplifier is turned off when you connect the subwoofer to your system.** Disregarding this advice may permanently damage your subwoofer.

These different examples are typical, standard connections with standard electronics. Please consult the respective manual of your Processor/Pre-Amp/Receiver for more information.

Multi-Channel A/V Systems

Use a 75 Ohm RCA signal cable between the LFE (Low Frequency Effects)/SUB pre-out on your Processor/Pre-Amp/Receiver and the LFE/SUB input on the subwoofer.

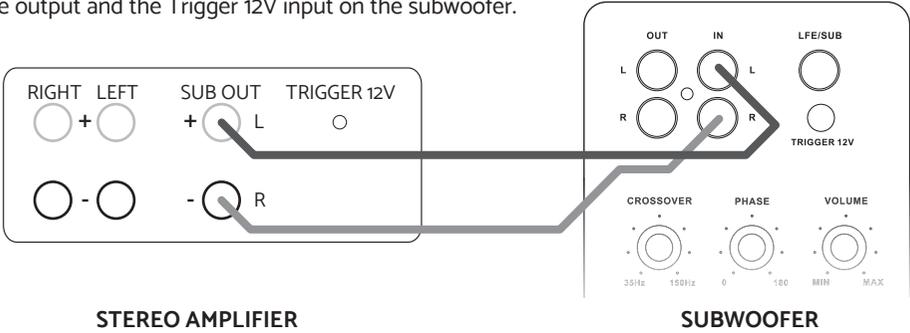
If your Processor/Pre-Amp/Receiver has a 12V trigger output, use a 3.5mm mono cable between the output and the Trigger 12V input on the subwoofer.



Hi-Fi Stereo Systems (RCA connection)

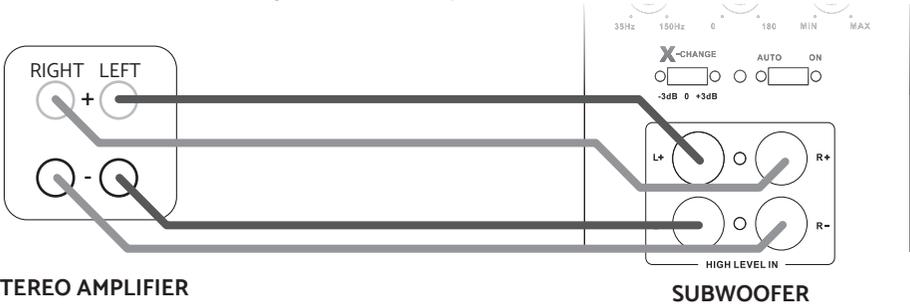
Use a RCA signal cable between the Sub pre-out L/R and the subwoofer L/R input. If your Processor/Pre-Amp/Receiver has a single Sub pre-out use a RCA Y-split signal cable.

If your Processor/Pre-Amp/Receiver has a 12V trigger output, use a 3.5mm mono cable between the output and the Trigger 12V input on the subwoofer.



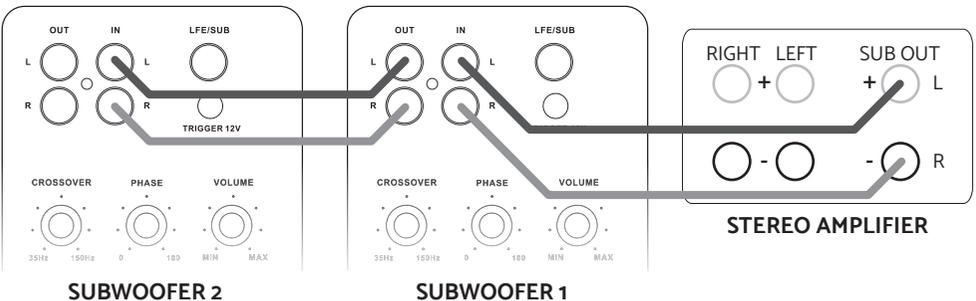
Hi-Fi Stereo Systems (High Level connection)

Use speaker cables between your speaker output connectors L/R +/- on your Processor/Pre-Amp/Receiver and the subwoofer High Level L/R +/- input.

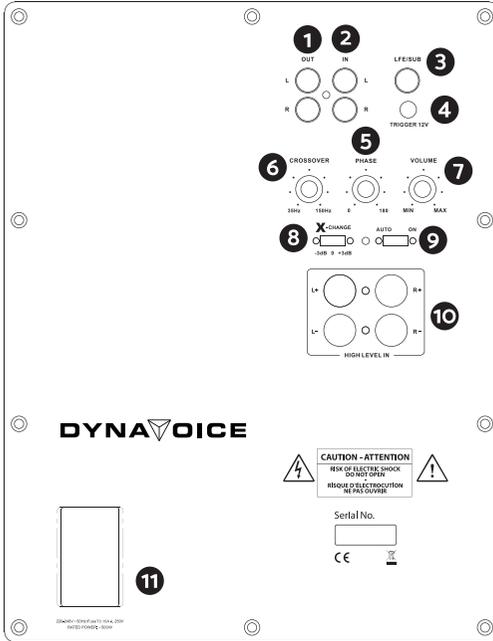


Adding a second, third, fourth (and so on) subwoofer

Use an RCA signal cable to connect the main subwoofer pre-out L/R to the input L/R on the second subwoofer, repeat this connection with basically as many subwoofers you need in your system.



Functions



1. OUT L/R
2. IN L/R
3. LFE/SUB
4. Trigger 12 Volt
5. Phase
6. Crossover
7. Volume
8. Dynavoice X-change
9. Auto - On
10. High Level in L/R
11. Power ON/OFF

OUT L/R

Non filtered signal, connects to send to a second subwoofer or amplifier.

IN L/R

Connects to the low-level L/R preamp output on your preamplifier/receiver. To make the connection use an RCA jack signal cable (sold separately). This input can also be used to receive a signal from a second subwoofer.

LFE/SUB

Connects to the low-level subwoofer output on your preamplifier/receiver. To make the connection use an RCA jack mono signal cable (sold separately). When using the LFE connection the crossover frequency control is not operational.

Trigger 12 Volt

To be used when a Pre-Amp, Receiver or Processor with a trigger function is part of your system. When connected the subwoofer will remain in standby until the connected unit sends a trigger signal. To make the connection use a 3.5mm jack mono signal cable (sold separately).

Functions

Phase

The default setting of the phase control is 0° . The need to adjust the phase depends on the acoustic condition of your room or/and the distance between the subwoofer and the speakers. Adjusting the phase adds an electrical delay covering 0° - 180° . Setting the phase to 180° reverses the polarity of the subwoofer.

Crossover

The crossover controls the subwoofers operating frequency. Adjust accordingly to the frequency of your choice. The crossover is not operational when using the LFE/SUB input.

Volume

The volume control lets you adjust the volume to better blend in to the room according to your choice of music or movie soundtrack and your listening preferences.

Dynavoice X-Change

This function acts as a parametric equalizer and lets you adjust the critical 63Hz frequency point in three steps: -3dB, 0dB or +3dB, allowing you to optimize the sound to better fit your room and your listening preferences.

Auto - On

To enable the LFE and High-Level auto-start function slide the controller to 'AUTO'. When sliding the controller to 'ON' the subwoofer stays on until turned off on the main power switch or disconnected from the power socket or if no signal is noticed for 15 (+/-2) minutes.

High Level In L/R

The high-level inputs can be connected directly to the high-level outputs on your stereo amplifier.

Power ON/OFF

Turns the main power on and off.

Technical specifications

Dynavoice Challenger CSB-V12

Type: Active vented subwoofer

Speaker Driver: 12" (30cm) aluminum cone with rubber surround

Frequency Response: 30Hz-150Hz

RCA input: Right, Left, LFE

High Level input: Right, Left

Sensitivity Line in RCA: 420mV (for max output)

Sensitivity Line in LFE: 540mV (for max output)

Sensitivity Line in High Level: 2.3V (for max output)

Crossover Frequency: Variable 35Hz-150Hz

Crossover Slope: 12dB / octave

Amplifier Power: Class AB 300W RMS, 600W Dynamic

Phase adjustment: Adjustable phase 0-180

Power modes: Standby on and auto

Mains Voltage: 220-240V ~50/60Hz

Max Power Consumption: 500W

Size: 469x400x548mm (incl. front)

Net weight: 27.6kg

Dynavoice Challenger CSB-V15

Type: Active vented subwoofer

Speaker Driver: 15" (38cm) aluminum cone with rubber surround

Frequency Response: 25Hz-150Hz

RCA input: Right, Left, LFE

High Level input: Right, Left

Sensitivity Line in RCA: 420mV (for max output)

Sensitivity Line in RCA: 540mV (for max output)

Sensitivity Line in High Level: 2.3V (for max output)

Crossover Frequency: Variable 35Hz-150Hz

Crossover Slope: 12dB / octave

Amplifier Power: Class AB 300W RMS, 600W Dynamic

Phase adjustment: Adjustable phase 0-180

Power modes: Standby on and auto

Mains Voltage: 220-240V ~50/60Hz

Max Power Consumption: 500W

Size: 524x480x582mm (incl. front)

Net weight: 33.6kg



All Dynavoice products complies with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the Dynavoice product should not be disposed of as household waste. Alternative arrangements may apply in other jurisdictions.



The crossed-out wheellie bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.



Thank you for choosing Dynavoice!

DYNA**VOICE**

For further information and contact, please visit our website dynavoice.se, or our
Facebook page facebook.com/Dynavoice.