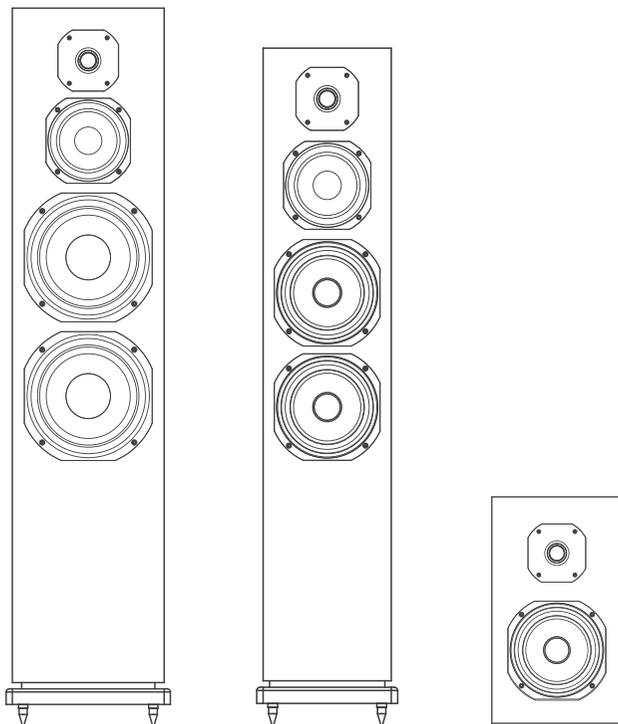


DYNAVOICE

EXPERIENCE THE NORDIC SOUND

User manual



Model: CL-28, CL-26 & CL-16



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 seal of quality. 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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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.



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.

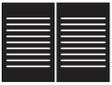
All Dynavoice products are designed and manufactured to meet the highest quality standard. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen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

Unpacking

When you unpack your new Dynavoice speaker, 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:



Manual



Acoustic feet
(Bookshelf models)



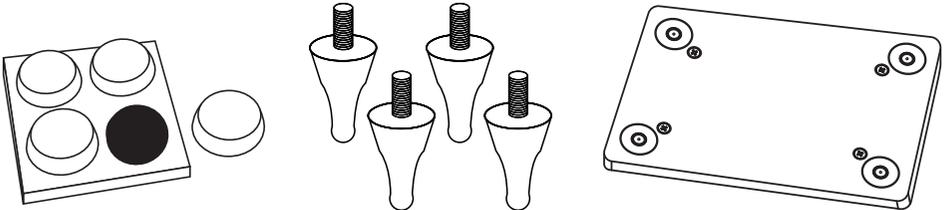
Acoustic spikes
(Floor standing models)



Cloth grill
(Retro Gray & Black)

Getting started

We have designed the bottom plate to let you apply your choice of damping feet. Use the included M8 spikes (floor standing models only, the bookshelf models have rubber damping feet included) or give the speaker a floating look by using soft damping feet that fit perfectly in to the counter-bore 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 speaker has been tested at our factory before being sealed up inside the packaging, we do however recommend you to go easy in the beginning. The initial break-in period, to soften up the speakers, is between 20-30 hours, and even though loud music is fun - be nice to your new Dynavoice product and treat it with care.

Positioning your speakers

Depending on the type of room, what your listening preferences are and what setup you have, the final positioning of your speakers may vary. Most likely you will have to try out a few different positions before you find the perfect sweet spot. This means that we cannot guarantee that the example 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. You also need to consider the angling of the speakers as displayed in the examples below.

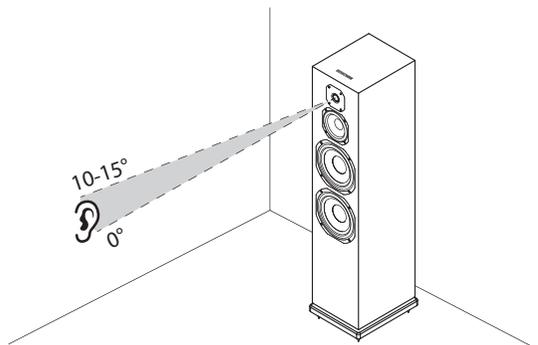
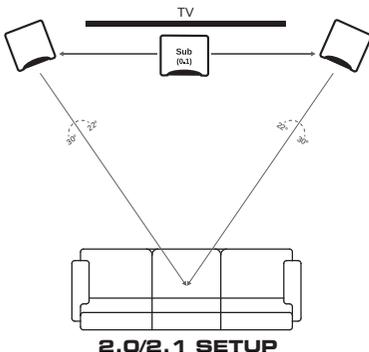
All Dynavoice Classic models are equipped with a bass port on the back of the speaker. Make sure to leave at least 10-30cm of space behind the speakers so that the air flow is uninterrupted.

Hi-Fi setup (stereo)

Front speakers - Place your front speakers 2-4 meters apart, about 0,5-1 meter away from the rear and side wall, try to make sure that both speakers have the same distances from surrounding walls. The tweeters should be at the same height as your ears (0-15 degrees angle) when you are comfortably sitting in your listening position, this is important so take your time measuring the different heights. The angle of the speakers should be 22-30 degrees towards you.

When listening, if you feel that the music lacks vocals, or if you hear one side more than the other, try moving the speakers further apart or closer together. You can also try moving them closer to you or further away from you. If the bass feels boomy or in any way off, make sure that the reflex port on the back of the speakers is not too close to the wall. Some acoustic disturbance can be the result of your surroundings. If you feel that the sound is “aggressive”, try using what you have to help absorb unwanted resonance, do the opposite if you feel that the sound is muffled.

If a subwoofer is added - 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 (consult your subwoofer manual to learn how to place it).



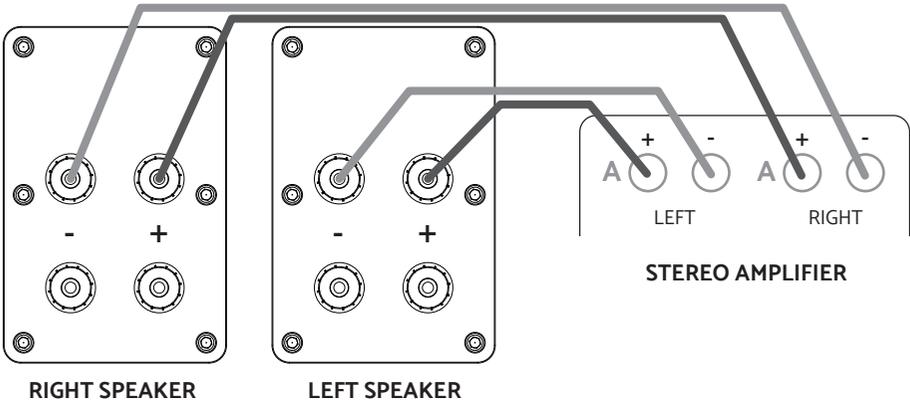
Connecting your speakers

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

There are three different ways to connect your speakers to your amplifier/amplifiers. These different examples are typical, standard connections with standard electronics. Please consult the respective manual of your amplifier for more information.

Single-wiring

The standard way to connect your speakers is following the positive (+) and negative (-) markings on the speakers to your amplifier creating a single-wiring connection.



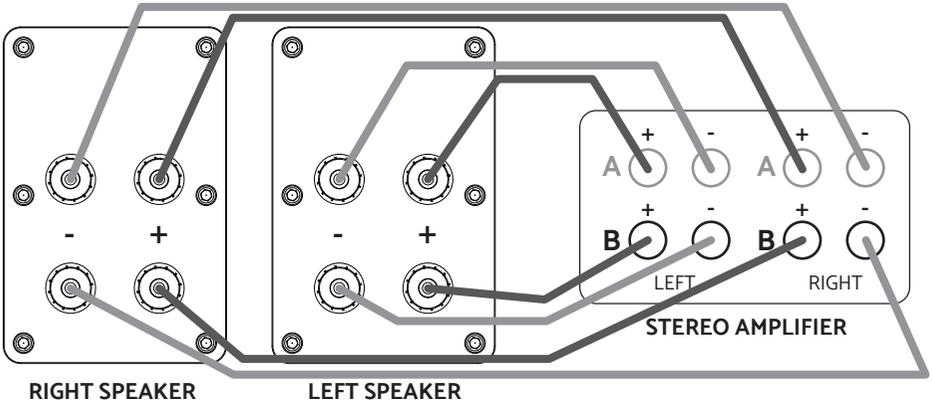
Bi-Wiring

A bi-wiring connection lets you connect the low frequency speakers and your high frequency speakers separately. This type of connection allows the different speakers to focus more on their dedicated frequency range. On the two floor standing models the midrange and tweeter are active through the first terminal pair and the woofers are active through the second terminal pair. On the bookshelf model the tweeter is active on the first terminal pair, and the woofer on the second pair.

It is important to first remove the jumpers that binds the terminals.

(Schematics are shown on the following page)

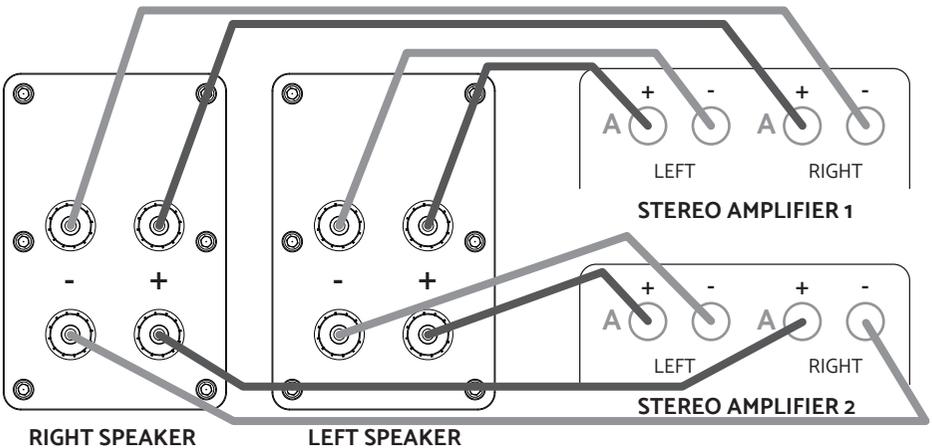
Bi-Wiring



Bi-Amping

If you wish to use two separate amplifiers, one for the high frequencies and one for the low frequencies you will make a bi-amp connection. On the two floor standing models the midrange and tweeter are active through the first terminal pair and the woofers are active through the second terminal pair. On the bookshelf model the tweeter is active on the first terminal pair, and the woofer on the second pair. It is important that you consult the manual of your amplifier to make sure that it has a bi-amping function.

It is important to first remove the jumpers that binds the terminals.



Technical specifications

Dynavoice Classic CL-16

Type: Two-way bass reflex bookshelf speaker

Speaker Drivers:

Woofer: 1x145mm coated paper cone

Tweeter: 1x25mm silk dome

Sensitivity (1w/1m): 86dB

Power handling: 75W (RMS)

Recommended amplifier power: 25-120W (RMS)

Nominal impedance: 4 Ohm

Minimum impedance: 3.4 Ohm

Frequency Response: 50Hz-20kHz

Crossover Frequency: 2500Hz

Dimensions HxWxD: 380x220x300mm

Net weight (each): 8.1 kg

Dynavoice Classic CL-26

Type: Three-way bass reflex floorstanding speaker

Speaker Drivers:

Woofer: 2x145mm coated paper cone

Midrange: 1x125mm coated paper cone

Tweeter: 1x25mm silk dome

Sensitivity (1w/1m): 87dB

Power handling: 150W (RMS)

Recommended amplifier power: 40-250W (RMS)

Nominal impedance: 4 Ohm

Minimum impedance: 3.6 Ohm

Frequency Response: 40Hz-20kHz

Crossover Frequency: 800Hz/2500Hz

Dimensions HxWxD: 980x200x280mm

Net weight (each): 19 kg

Dynavoice Classic CL-28

Type: Three-way bass reflex floorstanding speaker

Speaker Drivers:

Woofer: 2x180mm coated paper cone

Midrange: 1x125mm coated paper cone

Tweeter: 1x25mm silk dome

Sensitivity (1w/1m): 88dB

Power handling: 200W (RMS)

Recommended amplifier power: 50-300W (RMS)

Nominal impedance: 4 Ohm

Minimum impedance: 3.6 Ohm

Frequency Response: 38Hz-20kHz

Crossover Frequency: 800Hz/2500Hz

Dimensions HxWxD: 1080x245x300mm

Net weight (each): 23.6 kg

Thank you for choosing Dynavoice!



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 wheeled 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.



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For further information and contact, please visit our website [dynavoice.se](https://www.dynavoice.se), or our Facebook page facebook.com/Dynavoice.