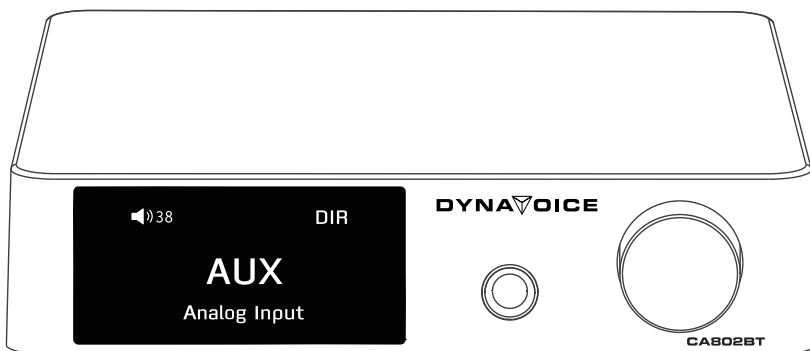


# DYNA VOICE

EXPERIENCE THE NORDIC SOUND

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## User manual



Model: CA802BT

# DYNAVOICE

## Experience the Nordic Sound

In the middle of Sweden right next to lake Hjälmarén 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.



# Features

## Dynavoice Challenger CA802BT

- One piece aluminium die-cast chassis
- High performance/efficiency (class D) power amplifier chip by Infineon
- USB, optical, coaxial inputs
- Pre out for subwoofer
- APTX Bluetooth 5.0 receiver
- Low distortion volume control chip by NJRC (NJW1194)
- EQ modes and treble/bass adjustment
- High resolution IPS colour display
- Remote included
- Audio grade designed power adaptor
- Gold plated input and output terminals

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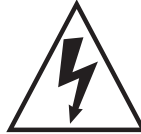
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# Important safety information

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, keep a minimum of 10cm of open space around the unit when operating. 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.

Unplug the amplifier 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.

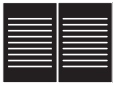
**Warning:** To reduce the risk of fire or electrical shock, do not expose this product to rain, liquid or moisture. The product must not be exposed to dripping and splashing and no object filled with liquids such as a vase of flowers or an opened soda can should be placed on the product. Neither should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

# 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



AC 24V adaptor



Bluetooth antenna



Remote control

## Before you start

This amplifier is designed to be matched with a pair of Dynavoice floor standing speakers or book-shelf speakers (please consult your local Dynavoice dealer for information regarding matching speaker models with your amplifier). It is important that you do not block any ventilation or place the amplifier inside any small, non-vented spaces. All other instructions regarding hazardous placement can be found in the Important Safety Information.

Your amplifier has been tested at our factory before being sealed up inside the packaging, even so we recommend you to go easy in the beginning. Make sure that everything was included in the box and that you have made the right connections before turning on the amplifier.

The remote control requires 2x AAA batteries, make sure that there are no obstructions between the amplifier and the remote signal.

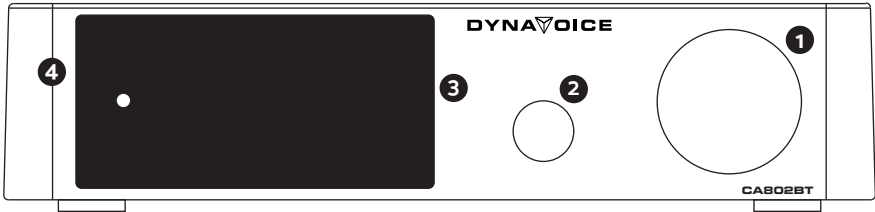
The included Bluetooth antenna needs to be fixed in place, more about this can be found further on in this manual.

**Always make sure that your amplifier is turned off when you connect your speakers.** Disregarding this advice may cause a sudden audio spike that can permanently damage your speakers.

To get the best experience possible from your new Dynavoice amplifier we recommend you to use high quality cables throughout your entire system.

# Functions

## Main unit front



**1. Multi-function knob**

**3. Display**

**2. 3,5mm Headphone jack**

**4. Remote sensor**

### 1. Multi-function knob

Press and hold to toggle ON/OFF. Press once for menu, turn left/right to adjust volume / switch menu function.

### 2. 3,5mm Headphone jack

Connect headphones, see Operation instructions for menu directions.

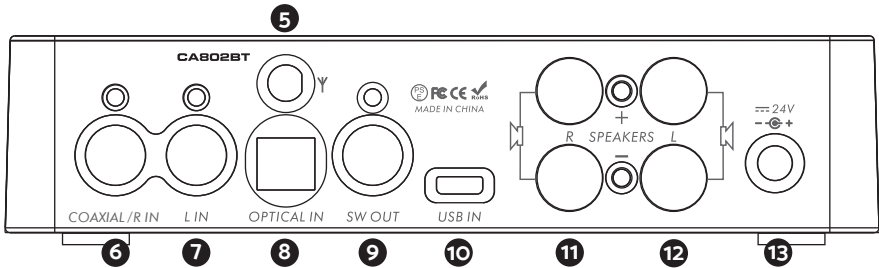
### 3. Display

Shows menu options and selected function, see Operation instruction for menu directions.

### 4. Remote sensor

Sensor that registers usage of the remote control.

## Main unit back



**5. Bluetooth Antenna**

**6. Coaxial IN / Right line input**

**7. Left channel input**

**8. Optical Audio input**

**9. Subwoofer Out**

**10. USB input**

**11. Right speaker output**

**12. Left speaker output**

**13. Power input (DC 24V)**

### 5. Bluetooth Antenna

The antenna is included in the box and needs to be screwed in place in order for the Bluetooth connection to function. Make sure to fix the antenna so that it can easily be screwed in place.

### 6. Coaxial IN/Right line input

Connect a 75 Ohm Coaxial RCA jack cable to establish a digital connection. Connect the right channel of a RCA signal cable together with 7 to establish an AUX connection.

Please observe that 6+7 is the analogue AUX IN connection, Right and Left channel. The Coaxial IN and AUX IN share the same inputs and can not be connected at the same time.

### 7. Left channel input

Connect the left channel of your RCA jack signal cable together with 6 to establish an AUX connection.

### 8. Optical Audio input

Connect a TOSLINK cable to establish a digital connection.



## **9. Subwoofer Out**

Connect an RCA jack mono signal cable from your active subwoofer.

## **10. USB input**

32bits 384KHz USB audio with driverless technology.

## **11. Right speaker output**

Please pay attention to the + and – marking on the amplifier speaker connections. Not doing so may affect the sound in a negative way.

## **12. Left speaker output**

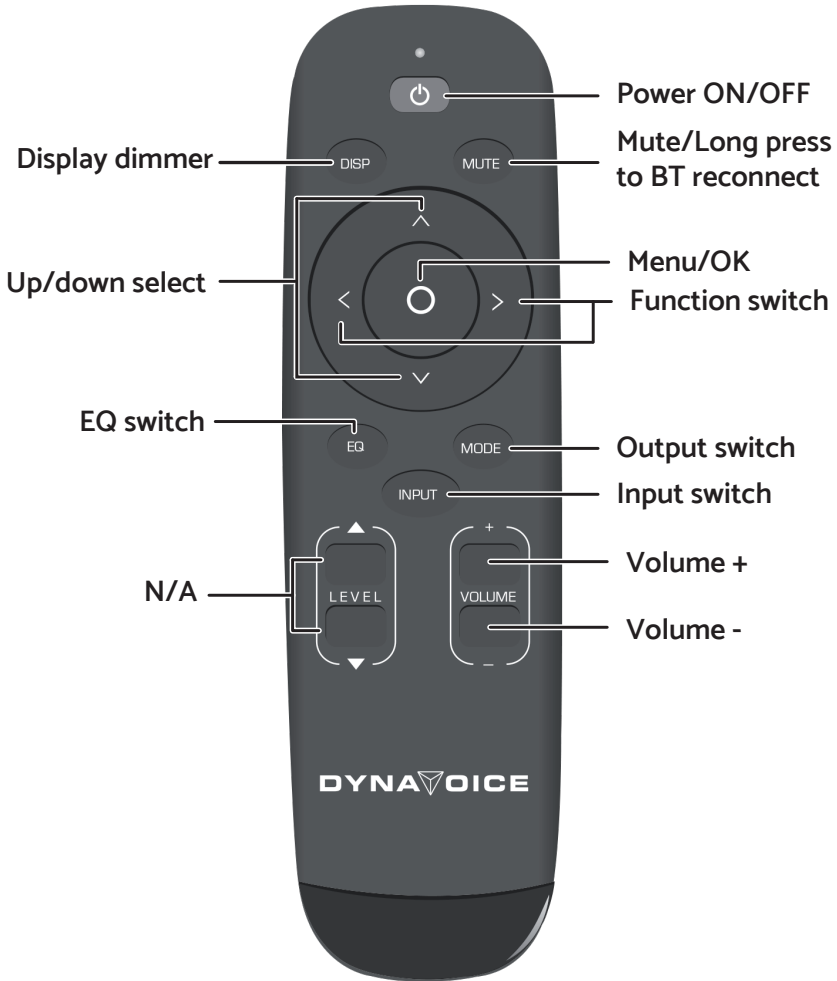
Please pay attention to the + and – marking on the amplifier speaker connections. Not doing so may affect the sound in a negative way.

## **13. Power input (DC 24V)**

Connection for the AC 24V adapter.

# Remote control

The remote control requires 2x AAA batteries, make sure that there are no obstructions between the amplifier and the remote signal.



# Operation instructions

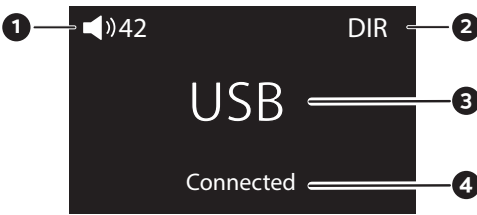
To start the amplifier, plug in the included AC 24V adaptor (**Use the included power adaptor only**). Press and hold the multifunction knob, or press Power on the remote control. To access the menu, push the multifunction knob or Menu button on the remote control.

## Connecting the Bluetooth

Select **Bluetooth** in the Input menu. Turn on the “Bluetooth pairing” feature for the phone/music player. Search and select “CA802BT” The phone/music player will confirm “connected” when pairing is successful.

## Troubleshooting

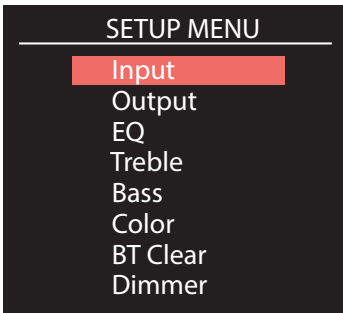
If the phone/music player doesn't pair, use the “Bluetooth clear” function. See page 12 for further instructions. When cleared, try connecting again.



## Main Display

1. Volume
2. EQ Setting
3. Input source
4. Sampling rate

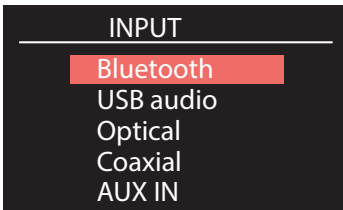
Toggle and press OK to access required menu.



## Setup menu

- Input
- Output
- EQ
- Treble
- Bass
- Color
- BT Clear
- Dimmer

Toggle and press OK to access required menu.



## Input setting

- Bluetooth
- USB audio
- Optical
- Coaxial
- AUX IN

Toggle and press OK to access required menu.



## Output setting

- Speakers
- Headphones

Toggle and press OK to access required menu.



## EQ settings

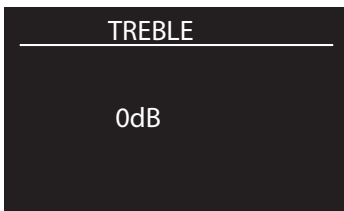
- Direct
- Tone
- Bass
- Super Bass
- Rock
- Soft
- Clear

Toggle and press OK to access required menu.

**Direct** - Sound is sent unaffected to the speakers. (Tone controls are decoupled)

**Tone** - apply this to set TREBLE and BASS. TONE will automatically be selected when adjusting BASS or TREBLE.

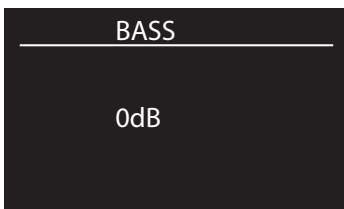
**Bass, Super Bass, Rock, Soft** - are pre-set EQ settings.



## Bass/Treble

Adjust the bass and treble levels. Adjusting treble/bass automatically switches pre-set EQ mode to Tone.

**Treble Tune:** -10dB~+10dB



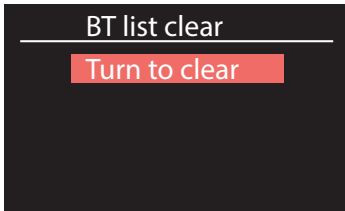
**Treble Tune:** -10dB~+10dB



## Color

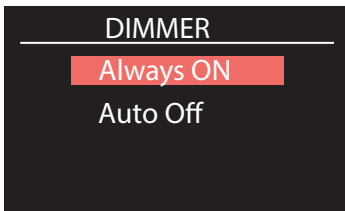
- White
- Red
- Green
- Blue
- Yellow
- Cyan
- Orange
- Purple

Toggle to select the display color of your choice.



## BT list clear

Turn the multifunction knob or press up or down on the remote to disconnect and clear the list of connected BT units.



## Dimmer

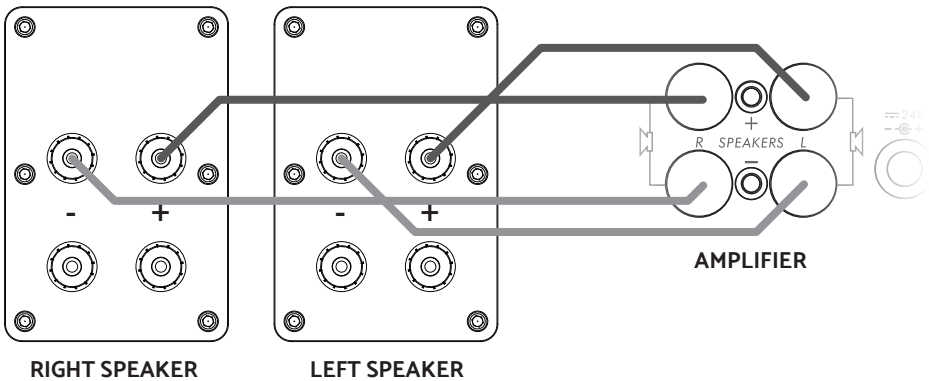
Auto Off turns off the screen, the machine is still working. Press the remote control or use the machine's knob to wake up the screen.

# Connecting your amplifier

Below you will find some examples on how to connect your speakers to your new Dynavoice amplifier. These are some basic type of connections, please consult your local Dynavoice dealer if you feel unsure.

## Single-wiring

The standard way to connect your speaker is following the positive (+) and negative (-) markings on the speaker to your amplifier creating a single-wiring connection. This connection is necessary on the models with a single connector terminal, and optional on a model with a bi-wiring terminal. When you use a single-wiring connection with a bi-wiring terminal, keep the shorting bars in place.



# Technical specifications

## Dynavoice Challenger CA802BT

**Type:** Bluetooth amplifier

**Input mode:** USB, Optical, Coaxial, Line in & Bluetooth

**Output mode:** 6,35mm headphone, speaker

**THD+N (A-weighted):** 0.003%

**SNR (A-weighted):** 108dB

**DAC chip:** ESS ES9023

**Output power amplifier:** 80Wx2(4 ohm), 40Wx2(8 ohm)

**Output power headphone amp:** 100mWx2(32 ohm)

**Power consumption:** 35W (normal amplifier volume)

**Standby power:** <0,5W

**Size:** 151x170x38mm (WxHxD)

**Package dimensions:** 294x232x88mm (WxHxD)

**Weight:** 520g



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 wheeie 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.



**DYNA**  **OICE**



**Thank you for choosing  
Dynavoice!**

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**DYNA  VOICE**

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