Burmester

OWNER'S MANUAL

B15 LAUTSPRECHER



LIFESTYLE

Table of Content

About this device 5

About this manual 6

The key to symbols and text notations 6
The meaning of caution symbols and warnings 6

Important Safety Information 7

Unpacking 7
Positioning 7
Connecting 7
First start-up 7
During operation 7

Unpacking and installing the speakers 8

Overview of the loudspeaker 9

Connecting the loudspeakers 11

Maintenance, repair and routine care 12

Recycling 12

Warranty 12

Troubleshooting 12

Technical specifications 13

Dear Music Enthusiast,

Congratulations on your selection and thank you for your trust.

You have chosen an audio component, which combines absolute musical fidelity and uncompromising manufacturing quality with technical innovation and a maximum of user friendliness and flexibility.

We recommend reading through this manual at least once before installing the device in order to fully acquaint yourself with and benefit from all the capabilities of this truly outstanding audiophile component. In case you have any further questions, please contact your audio dealer or us directly.

Contact us with any requests for customization, even if they may seem unusual. We gladly accept technically feasible challenges.

We wish you many hours of happy listening.

Your Burmester Team

About this device

The B15 loudspeakers have been designed to mesh perfectly with the appearance and the high-end pedigree of our Phase 3 audio system. Their height is adjustable to provide optimal listening conditions in any room environment. The B15 loudspeakers combine the musical neutrality of the Burmester B10 loudspeakers with an extended bass foundation.

The Highlights:

- Available in the “Loft Style” or “Retro Style” design
- Innovative engineering of crossovers and drivers enable this floor-standing speaker to project the full height and depth of the soundstage into the listening space despite its modest size and the emphasis on a stylish appearance.
- Bass reflex port plugs provided for room tuning
- Bass mid-range driver: It has a specially impregnated glass fiber diaphragm for optimal linearity, smoothness and bass extension as well as ultra-short decay
- Tweeter: Air Motion Transformer with super-strong magnet system and ultra-light foil for optimal resolution and a detailed as well as dynamic music reproduction
- After an extensive pre-production burn-in phase the drivers are selected and matched for each speaker and again for each speaker pair.

About this manual

This manual describes how to position, connect and operate the loudspeaker Burmester B15 (hereafter referred to as loudspeaker or B15).

Please note the following:

- ► Read and follow the operating instructions, especially the safety instructions and cautions.
- ► Please retain this manual.

The key to symbols and text notations

✓	**Requirement** Denotes a condition which must be fulfilled before a subsequent action can be taken.
►	**Action** Denotes a single action.
1. 2. 3.	**Sequence of actions** Denotes a sequence of actions which must be taken in the given order.

The meaning of caution symbols and warnings

This document uses the following warning symbols and words:

	The general danger symbol, in conjunction with the warning words CAUTION, WARNING, and DANGER, serves to warn against the risk of severe injuries. Follow all subsequent instructions to prevent serious or fatal injuries.
	The lightning symbol, in conjunction with the warning word DANGER, serves to warn against lethal voltage.
ATTENTION	The warning word ATTENTION indicates a danger that can lead to damage to or destruction of the device.
CAUTION	The warning word CAUTION indicates a danger that poses a low or medium risk of injury.
WARNING	The warning word WARNING indicates a danger that can lead to death or severe injuries.

Important Safety Information



Please read and observe the manual for your loudspeaker carefully and retain it.

If you have any questions please contact your Burmester dealer.

Unpacking

The loudspeakers are quite heavy. To avoid injuries during the unpacking process only persons who are used to handling heavy loads should do it.

To avoid damaging the housing please don't use pointy or sharp tools when opening the cardboard box.

The speakers are shipped in a protective plastic bag. Please keep this bag well away from children to avoid the danger of suffocation.

Positioning

Please bear in mind the following when positioning the speakers:

- The supplied spikes could injure you and damage your floor. Mount the spikes very carefully and use the also supplied protective plates.
- Avoid direct sunlight.
- Avoid excessive heat, cold, humidity and dust.
- Do not drip or spray water on the speaker and don't put anything containing liquid on top of the loudspeaker.
- Never put anything with an open fire, such as candles, on top of the speaker.

Connecting

► Switch off the amplifier you intend to use before making the connection with the speaker.

First start-up

► Set your amplifier to low volume before switching it on.

During operation

► Don't listen at high volumes for an extended period of time. Excessive volume levels may damage your hearing.

Unpacking and installing the speakers

⚠ CAUTION

Loudspeakers are very heavy

The loudspeakers are quite heavy and may cause injuries when slipping and falling.

- ► The speakers should be unpacked and positioned only by persons who are used to handle heavy loads.
- ► If necessary solicit the help of another person to unpack and position the speakers.

Packing material

⚠ WARNING

Danger of suffocation

The loudspeakers are shipped in a protective plastic bag which could pose a potential danger of suffocation for children.

- ► Please remove the bag from the presence of children.

We recommend keeping the original packing material for future transport such as when moving your household.

Unpacking

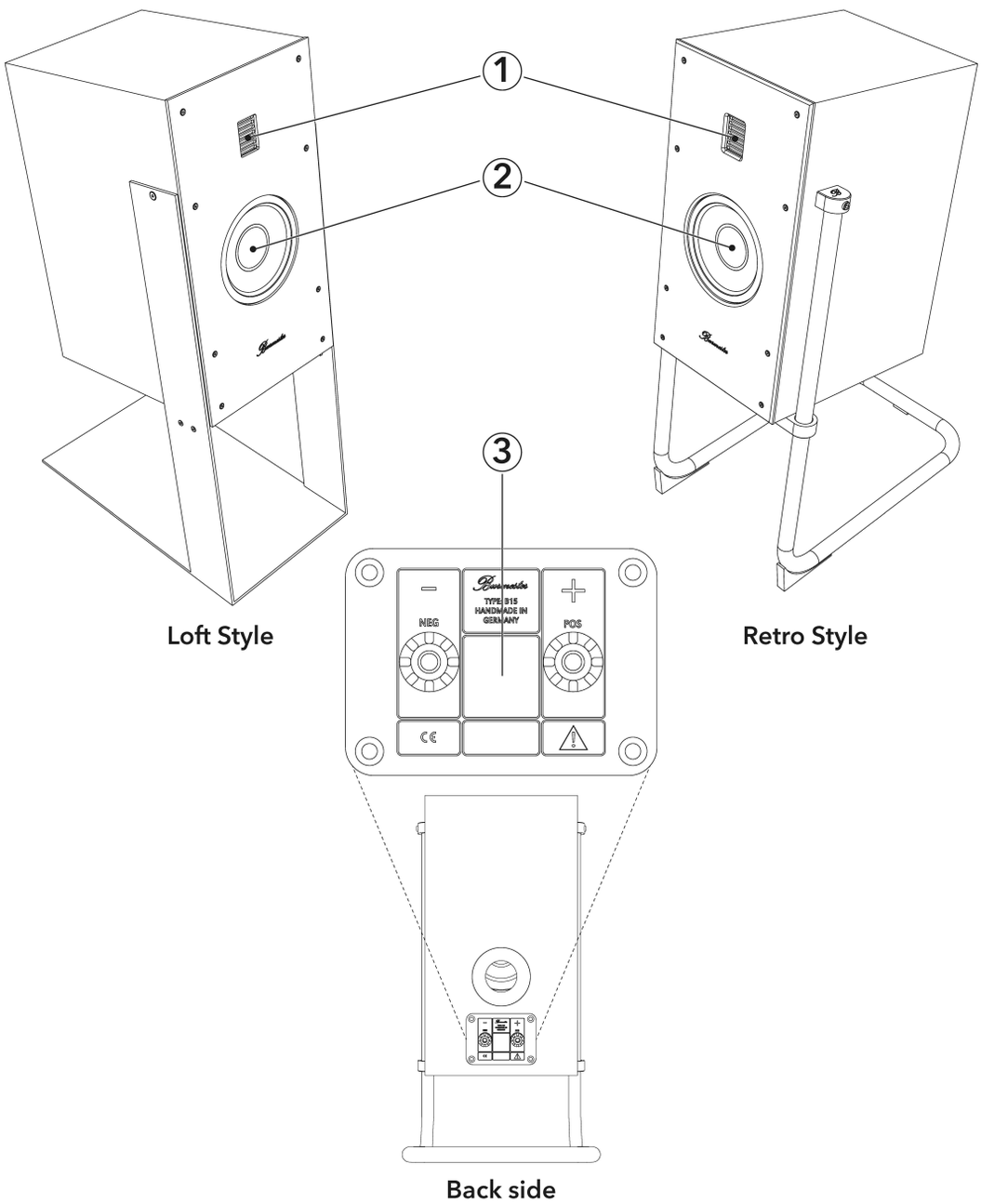
- ► Remove the speaker carefully from its transport box and position it in an appropriate place. Avoid direct sunlight, dust and humidity.
- ► Please check the content of the box to make sure it is complete and undamaged. In case parts are missing or you notice damage to the speaker during unpacking lease do not connect it. Instead, contact your authorized Burmester dealer.

What's in the box?

The shipment contains:

- Packaging with the loudspeaker B15
- 1 Manual
- 1 Set of warranty documents
- 1 set of speaker cables

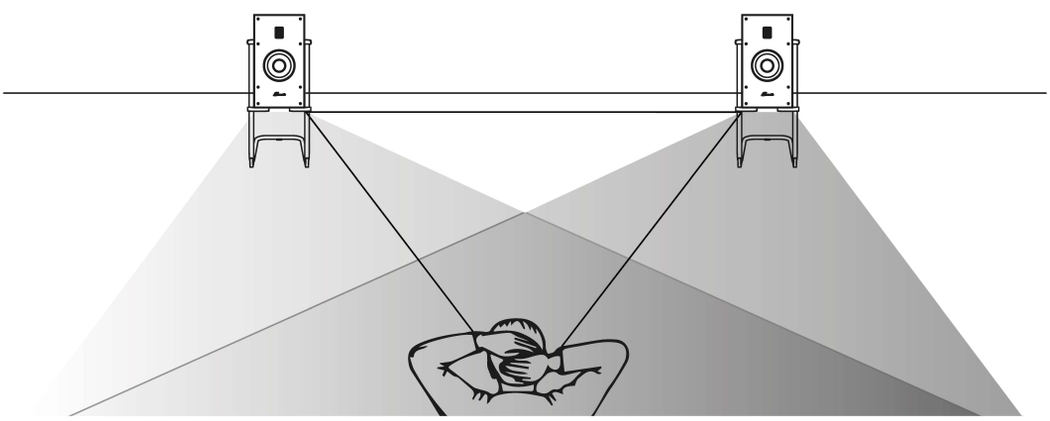
Overview of the loudspeaker



1	Air Motion Transformer
2	Bass/midrange driver
3	Connection panel

Correctly positioning the speakers

The speakers can easily be integrated into any living ambience. Best sonic results are achieved when the two speakers and your listening position form an isosceles triangle as seen from above.



Spatial imaging improves with increasing distance of the speakers to the back wall while the power of the bass decreases. The loudspeakers B 15 have been designed in such a way that they don't need a bass boost from wall proximity. However, since the acoustic properties of different listening rooms vary widely, in some cases positioning the B 15 close to a wall may be advantageous.

The distance between the speakers should be between 2.5 and 4 meters; if possible with a clean space in between them. Positioning the speakers on the long side of a rectangular room is preferable to the short side. The positioning in an acoustically "hard" area (plain walls, windows) promises better results than in a "soft" area (dampened by upholstery, carpets and books).

NOTE

If a TV set with a picture tube is being used the minimum distance between the speakers and the TV set should be 50 cm. Otherwise the magnetic fields around the speakers could possibly cause a color shift in the TV picture.

CONNECTING THE LOUDSPEAKERS

- Before connecting the speakers please also read the manuals for the components they are to be connected with.
- Make sure the polarity is correct: red = positive, blue or black = negative



⚠ WARNING

Dangerously high voltage at the binding posts

During operation dangerously high voltages may be present at the binding posts.

- Before connecting the speakers turn of all components of your music system and turn them back on only after you've made sure that all connections have been made correctly.
- Do not touch the binding posts while the speakers are connected to a live amplifier.

CAUTION

Damage caused by faulty connection

An electrical short or a faulty connection may damage the speakers as well as other components.

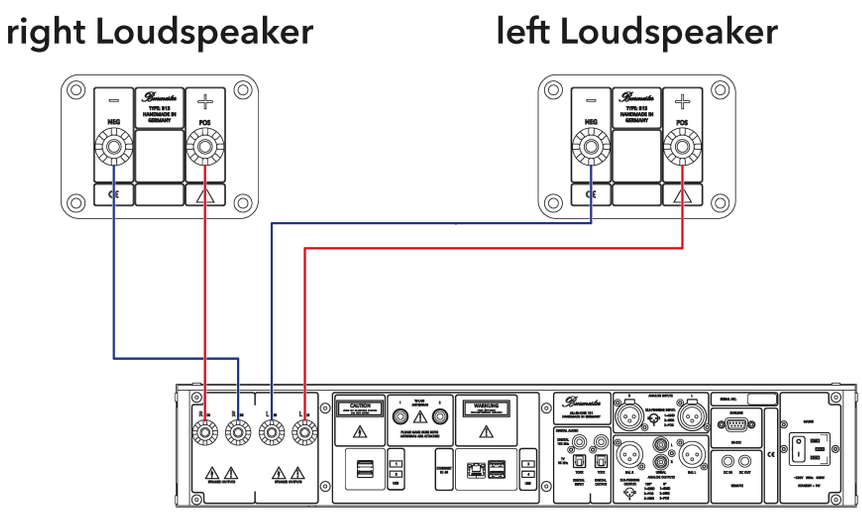
- Turn your amplifier off before connecting the speakers. This way you avoid possible shorts by cables not connected on both ends.
- Connect the cables to the speakers first and then to the amplifier.
- Connect the speaker cables ONLY to the speaker terminals of an audio amplifier. NEVER plug the speaker cables into an AC outlet, which would destroy the speakers.

Connecting the B15

Here's how to connect the loudspeaker:

1. Connect the right loudspeaker with the right speaker output of your amplifier.
2. Connect the left loudspeaker with the left speaker output of your amplifier.

HINWEIS: Use the special tool supplied with the 161 All-in-One to tighten the speaker cables.



Maintenance, repair and routine care

CAUTION
Damage to the surface **Liquids and chemical agents may damage the housing surface.** ► Make sure that no liquid splashes on or enters the loudspeaker. ► Never use chemical agents for surface cleaning.

Recycling



European law requires that this device may not be recycled with general household trash. It must be turned in at special collection places for electronics.

Warranty

For loudspeakers Burmester offers a warranty period of two years and an extension of the warranty period for three years, provided the speakers have been correctly hooked up, have not been overloaded, modified or mechanically altered. Also, the Request for Warranty Papers and Warranty Extension must have been sent in.

The warranty is voided by unauthorized alterations, the removal of drivers or binding posts or by opening up the speakers.

Troubleshooting

Trouble	Most likely cause	Fix
One or both speakers are dead	The electronics have not been switched on	► Turn on your amplifier and/or the source.
	Short or open circuit in your cable connections	► Check your cable connections and correct any problems.
The sound seems to lack bass and/or be spatially ill defined	The polarity in one channel is reversed	► Change the plus and minus cable leads in the affected channel.
Bass reproduction is very loud and ill defined	The speakers are located too close to the walls	► Increase the space between speaker and wall. Also, play with the distance between speakers and listening position.
The higher registers seem very subdued	The tweeters are not directed towards the listening position	► Toe the speakers in slightly towards the listening position.

Technical specifications

Design type	2-Way Bass reflex		
Weight (per speaker)		Loft Style:	22,5 kg (49.6 lbs)
		Retro Style:	20,3 kg (49.2 lbs)
Width		Loft Style:	251 mm (9.9 '')
		Retro Style:	311 mm (12.3 '')
Height		Loft Style:	730 mm (28.8 '')
		Retro Style:	728 mm (28.7 '')
Depth		Loft Style:	412 mm (16.3 '')
		Retro Style:	422 mm (16.7 '')
Power rating			80 W
Sensitivity at 2,83 V / 1 m			88 dB
Impedance			4 Ω
Frequency range (±3 dB)			46 Hz – 45 kHz
Tweeter	Air Motion Transformer		
Bass/Midrange driver			170 mm Glass fiber diaphragm in bass reflex enclosure
Crossover frequency			2000 Hz

We reserve the right to make technical changes

Burmester Home Audio GmbH
Wilhelm–Kabus Straße 47 · 10829 Berlin, Germany
www.burmester.de

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