

EINSTEIN

HANDCRAFTED
AUDIO COMPONENTS
SINCE 1988

THE SPEAKER

2-way sealed box reference monitor

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Dear **EINSTEIN** customer!

With the **EINSTEIN The Speaker**, you have acquired that rarest of loudspeakers – one that conforms to the most stringent standards. To get the most from it, please take a few leisurely moments and peruse the following instructions.

The Speaker is a loudspeaker that deliberately eschews frilly features to focus instead on the core essentials:

- Realistic reproduction with the utmost fidelity
- Rock-solid reliability for years of worry-free service
- Extended market value to protect your investment

The **EINSTEIN The Speaker** does not sound beautiful, soft or energetic. Our goal is to design devices that integrate into existing systems with the absolute minimum of signal degradation or “artistic license”. A loudspeaker's job is simple (though by no means easy): make the signal from the source audible. Even the “world's best” Hifi system cannot achieve the best musical performance if the loudspeaker is not capable of delivering all the details and dynamics from the amplifier. Any fault of a speaker will limit the performance of the complete system. Hence your decision to incorporate the **EINSTEIN The Speaker** into your system was a truly informed one. Congratulations.

We extend our regards from Bochum and wish you much musical satisfaction from your new **EINSTEIN The Speaker**.

Volker Bohlmeier

Before you start to connect the **EINSTEIN The Speaker** loudspeakers to your High End system please read the set up instruction carefully to achieve the best possible sound with your new High End loudspeaker.

If you feel too stressed to do the set up yourself, please ask your dealer for a professional set up.

1. Package content

- **EINSTEIN The Speaker** loudspeakers (pair)
- **EINSTEIN The Reference Stands** (pair)
- Manual

2. IMPORTANT! Unpacking your loudspeakers

Please allow your loudspeakers some time (app. 3-4 hours) to achieve room temperature before playing music.

3. Set up EINSTEIN Reference Stands

Please start unpacking with the two base plates of the Reference Stands. Please note that the spikes (decoupling the stands from the floor) are already mounted on the base plate, so please take care not to hurt yourself or damage your floor. For protection you can use the foam board of the packing. In this box you will find a small package containing all the screws and tools necessary for the set up.

Second please unpack the first T-carrier and place it on one of the bases. Fix the 6 screws all loosely before tightening them to the base.

Unpack the first loudspeaker. Please get some help since each cabinet is quite heavy (more than 30 kg or 62lbs!) and the front materials are quite delicate. Mount screws in the four threaded holes on the back of the speaker. Insert the head of the screws in the four upper holes of the T-carrier. Tighten the screws so that the cabinet has a strong connection to the stand.

Proceed in the same way with the second stand and the second speaker.

The Reference Stand is part of The Speaker because it is designed to match the sonic performance of The Speaker. The 6 degree angle backwards, the high weight and the rigidity of the stands, the tight connection of stand to speaker and the massive cabinet of the speaker are part of the impressive musical performance of the Speaker. The only moving part of the Speaker is the membrane of the drivers, perfectly controlled by the amplifier.

4. Set up and positioning of the speakers

The Einstein **The Speaker** loudspeaker is a near-field monitor design, which delivers breathtaking results from a listening distance of 2.0m up to 5.5m. Due to the rigid and sealed cabinet construction of a 40mm (1.6") multi layer plywood frame and 12mm (0.5") massive aluminum front and back panel the cabinet is vibration-free. As a result, this loudspeaker can deliver almost unlimited dynamics even in larger rooms.

We took great care in terms of design to provide an easy handling of the speaker. The speaker is an easy load (flat 8 Ohm design) for most amplifiers and can be driven nicely and effortlessly. A 6 watt single ended tube amplifier is just as suitable as an 80 watt transistor amplifier.

The Speaker has a perfect phase. This is noticeable when listening to the speaker. The focus and a three-dimensional image are excellent. Bass is tight, fast and because of the design with a perfect timing to midrange and heights. You will be surprised how dynamic this little speaker can perform, even in the lower frequency range.

With The Speaker you have the advantage to be able to adjust the high frequency level as well as the upper midrange perfectly to the room acoustics by means of a high precision three position switch on the back of the speaker. The mid position delivers a flat frequency response which is ideal for most listening rooms.

With the next position of the switch (clockwise) you achieve a slightly increased high frequency/upper midrange level which can be helpful in more subdued rooms which tend to absorb higher frequencies and thus sound a bit lifeless with diminished dynamics (slightly muffled sound as if wearing ear muffs).

The third position of the switch (anti clockwise next to the mid position) can be useful in acoustically bright rooms (with a lack of damping material creating a slight echo effect (reverb) also when speaking). In this position the high frequency/upper midrange will be slightly diminished.

Further to using the switch you can also affect the sound by choosing different angles of your speakers. To achieve a flat frequency response and thus a coherent sound image, turn the speakers 30 degrees inward. The angle is correct when you see the inner side of the loudspeakers from your central listening position only as a narrow line, so the front is aligned almost exactly to you. For a heavier subdued room with smaller reflections, you can also angle the speakers slightly more so that you cannot see either the inside or the outside of the loudspeakers, so the front is aligned exactly to you. If your room is sensitive in terms of acoustic, it makes sense to play around with the speaker position a little bit for the best results. This can also cause the speakers to be not angled at all then you have a slight roll off in the upper frequency range, which is advantageous in rooms with greater reverberation. The character and dynamics of the loudspeaker are not affected by this.

Due to the inert sealed cabinet, it is possible to place the speaker right in front of a wall or even close to a corner. Please notice that you will achieve a more intense bass and lower midrange level by doing this.

5. Connection to the system

The speaker should be connected to the amplifier with a high quality cable. We recommend our Einstein The Thunder speaker cable, but there are other good cables.

You can use high quality banana plugs or high quality speaker spades.

Before switching on the system we recommend to double check that all plugs are perfectly tight in the sockets.

6. Running In Time

Like any other component **The Speaker** will improve during the first period of use. There is no need for a special running in record or CD. While listening to music you will realize how your loudspeaker will increase in sound quality.

If you prefer to 'burn in' the loudspeakers music with a high dynamic range will serve best. Run in time for **The Speaker** is around 100 hours and it has got a pre run in by us for 8 hours.

7. Cleaning

The front of the EINSTEIN **The Speaker** is made of polished stainless steel and acrylic. Both materials are extremely delicate. Please make sure you use a suitable fabric for cleaning with just a little window clean. We recommend the EINSTEIN Soft Cloth or a similar fabric (i.e. for cleaning glasses). The cabinet itself is easy cleaning. A soft damp cloth will do.

8. Warranty

EINSTEIN The Speaker carries a 5-year parts & labor **non-transferable** warranty. For detailed warranty conditions please contact your dealer or the distributor of your country. If you have any further questions please feel free to contact info@einstein-audio.de.

Basic Technical Information

Sensitivity	86 db@ 8 Ohm
Impedance	flat 8 Ohm curve, min. impedance 7 Ohm
Crossover	straight forward 6dB slope/octave, benign phase
Recommended Power	6 to 100 (and more) watts
Frequency Response	45 Hz 3/dB to 22 KHz
Drivers	8 inch mid-bass, 2.5 inch tweeter
Dimensions (HxWxD)	23.6x15.7x5.9 inch
Weight	62 lbs (each speaker)+ 66lbs (each stand)

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CERTIFICATE

The Speaker

2 way sealed box reference monitor speakers

We herewith confirm that EINSTEIN The Speaker
Serialnumber _____
have been developed and built in Bochum
Germany

Bochum,