



Dear **EINSTEIN** customer,

With your purchase of the **EINSTEIN** mono amplifiers **The Final Cut**, you own an audio component of the highest mechanical and electrical qualities. In order to fully appreciate the great benefits of this unit, we kindly ask you to carefully read these instructions and manual.

**The Final Cut** is a two chassis mono-block stereo amplifier of the highest quality, which emphasizes relevant features over unnecessary gimmicks. Some of these features are:

- A realistic playback quality
- Exemplary reliability
- Simple and intuitive usability
- High value

The **EINSTEIN The Final Cut** amplifier is not a component, which sounds nice, soft or bright. Our goal is to integrate a component into your existing system, which minimizes its impact on the musical signal. The mono-blocks transfer the signal directly to the loudspeakers. No world-class loudspeaker could ever correct for the amplifier's deficiencies; quite the contrary, good loudspeakers will always tell you the quality of your amplifier. Incorporating **The Final Cut** as a component of the highest qualities into your system was therefore the right choice.

We wish you many hours of happy listening with your **EINSTEIN The Final Cut** amplifier.

Regards from Bochum,

Volker Bohlmeier



### 1. Safety information and precautions:

Do not manipulate the component in any way (loss of warranty, danger of electric shock)

For electrical safety reasons never operate the amplifiers without their top cover

The amplifiers must be protected from moisture

Never disconnect the protective conductor

Exchange the safety fuse only with one of the same value

Please contact your dealer / distributor or **EINSTEIN** directly prior to changing the tubes

### 2. Package contents

**EINSTEIN The Final Cut** amplifiers

Power cords

Gloves

Owner's manual

Warranty cards

### 3. Technical information

**The Final Cut** is an OTL amplifier based on innovative and new design concepts. Up until now, the benefits of an OTL based amplifier have never been fully realized in the world of high performance audio. The technical specification and remarkable sound qualities are a definite testament to that accomplishment.

**The Final Cut** represents a true milestone in the development of tube amplifiers for audio applications.

### 4. Placement

When selecting a placement for your amplifiers, please consider proper ventilation of the units as well as a solid platform for the units to be placed on. **The Final Cut** should never be placed on top of other components nor should other components be placed on top of it. Due to the massive transformers you should not place a turntable or phono amplifier next **The Final Cut** amplifier. Separately available equipment racks can positively affect the sound quality of your new amplifier.

### 5. Power

The Power supply socket is located on the left side at the back of the unit. This socket also includes the fuse and one spare. Please make sure that the unit is powered off and not connected to the power outlet prior to exchanging the fuse. 230V are at the safety clip, **EXTREME SHOCK HAZARD!**



## 6. Connecting your amplifier

Please make sure that all connections to your pre-amplifier and loudspeakers have been made prior to turning the amplifiers on. Should you notice any hum, it may be necessary to connect a ground cable between the amplifier and pre-amplifier.

### Interconnects and cables

You may use any high quality interconnects fitted with balanced XLR style connectors. Please make sure that the connectors are not oxidized and make a solid and tight connection to the amplifiers. We recommend the use of our own XLR cables, as they are optimized to work best with our **EINSTEIN** components. Since **The Final Cut** amplifier is a fully balanced design, it is critical that you only supply a fully balanced signal at the input. You may only use a fully balanced pre-amplifier and of course our very own The Tube pre-amplifier receives the highest recommendation

### Loudspeaker cables

Only use high quality loudspeaker cables with properly terminated ends. Make sure that the terminations are free from oxidation and that the cable's cross section is wide enough. Using loudspeaker cables that are too thin minimizes the power transfer from our amplifier and results in a lower damping factor critical to properly control your loudspeakers.

## 7. Power switch

To turn power to **The Final Cut** on or off, please use the left switch on the front panel of the chassis. Three blue LED's and lighting of the tubes indicate the status of the amplifier. **The Final Cut** is ready to play after approximately 5 minutes when both outside LED's are switched off. If there is a problem with the amplifier, either both or one or the other LED will remain lit, at which point you should turn the amplifier off and contact your dealer / distributor or **EINSTEIN** directly. The unit will achieve its optimal sound and operating temperature after approximately half an hour. It is recommended that you don't tax the amplifiers unnecessarily during this warm up phase as it may result in lower tube life.

## 8. Control from front face plate

The two front panel mounted switches control the following functions of the amplifier: left switch — on / off; right switch — standby



## 9. Connections at the rear of the unit

The rear end of the amplifier contains the speaker connectors (red — right channel; white — left channel) and balanced inputs.

## 10. Safety fuse

A blown fuse indicates a fault in your amplifier or mains power. Should your unit not power on after you have replaced the blown fuse please contact your dealer / distributor or **EINSTEIN** immediately. The fuse is of following value: 6.3A slow-blow for 230-240V version and 10A slow-blow for 115- 125V version.. Prior to replacing the fuse, you must disconnect the amplifier from the power line due to shock hazard. Please make sure that the power cord is disconnected from the power outlet(s). The fuses are located right next to the power input at the bottom of the unit.

## 11. Tubes

The **Final Cut** uses 6C33 type tubes, which have a lifecycle of approximately 2000 hours. In order to maintain the amplifiers fidelity only the same kind tubes should be used as replacement, as these have been fully checked and tested by our lab.

## 12. Service

If you encounter any problems with your pre-amplifier please contact your local dealer / distributor or **EINSTEIN** directly.

## 13. Maintenance & care of your amplifier

Cleaning of all chrome and stainless steel surfaces should only be done with a damp cloth and a small amount of Windex or similar window cleaner.

## 14. Tips to improve and tweak the sound quality

You can improve sound quality of the unit by paying attention to these points

- Make sure you have proper phase
- Use only high quality preferably low impedance interconnects
- Connecting the amplifiers to a power conditioner
- Use a high quality power cord
- Use a high quality rack and support
- Make sure you have proper ground in your system



## 15. Warranty

Your **EINSTEIN The Final Cut** amplifier comes with a 3-year warranty (tubes 6 months) if the following conditions are met:

Return of the supplied warranty card and appropriate customer information stamped by your dealer within 30 days

No modifications of any kind were made to the unit

Return of unit for service or repair in only the supplied original packaging

The warranty is not transferable.

If you decide to send your unit to **EINSTEIN** for a complete and thorough inspection, the remainder of your warranty will carry over. The cost for this inspection varies on the condition of the unit.

## 16. Technical specification **EINSTEIN The Final Cut**

Signal / Noise ratio	greater than 95db
Distortion @ 1khz	less than 0.05%
Power output	60 Watt / 8 Ohm (45 Watt / 4 Ohm)
Damping factor	90/8 Ohm (45/4 Ohm)
Weight	32kg / amplifier
Dimensions	23 cm x 43 cm x 39 cm (H x W x D)

## 17. Final testing prior to shipment

a.	Visual inspection	OK	Control Person
b.	Electrical check	OK	Control Person
c.	Listening check	OK	Control Person
d.	Packing & final check	OK	Control Person