EINSTEIN

HANDCRAFTED
AUDIO COMPONENTS
SINCE 1988

The Tune

Integrated Amplifier

Manual

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Dear customer!

With the **EINSTEIN The Tune** stereo integrated amplifier, you have acquired that rarest of Hifi components – one that conforms to the most stringent standards of electrical design and mechanical integrity. To get the most from it, please take a few leisurely moments and peruse the following instructions.

The Tune is a component 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
- Intuitive user interface everyone in the household can use
- Extended market value to protect your investment

The **EINSTEIN The Tune** does not sound beautiful, soft or energetic. Our goal is to design components that integrate into existing systems with the absolute minimum of signal degradation or "artistic license". As the central nexus of an audio system, an integrated amplifier's influence is vital. Even the world's best source or speakers cannot correct for losses or errors incurred by this key component. Hence your decision to incorporate the **EINSTEIN The Tune** 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 Tune**.

Volker Bohlmeier

We are interested in your experience with our amplifier. Please do not hesitate to contact us about anything – may it be positive or negative. You can help us to improve. (If you take a picture of your hifi equipment and want to share it with us we would be happy – if you even agree that we may publish your statements and picture on our web site, please, let us know – this will only happen without your name and location!)

Declaration of Conformity - EINSTEIN Audio Components herewith declares to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member states relating to Electromagnetic Compatibility EMC (89/336/EEC) and the Low Voltage Directive LVD (73/23/EEC).

CE

01. Safety concerns - what not to do

- Don't pry inside the machine. It uses high voltages. You'll void the warranty and risk electric shock.
- Protect the machine against moisture and condensation.
- Don't defeat the ground.
- Only replace fuses with original type (1.6A slow-blow for 230-240V version; 3.15A slow-blow for 100- 125V version)

02. What your shipping carton contains

- 1 x **Einstein The Tune** integrated amplifier
- 1 x **EINSTEIN The Control** handcrafted remote control + remote pad
- 1 x owner's manual

03. Design overview

The **EINSTEIN** integrated transistor amplifier **The Tune** is a double mono design. It contains all our experience in analog design and digital technique. It is a unique Einstein product that is exemplary for the sound and circuit philosophy that made Einstein a company with international reputation and worldwide approval.
The amplifier offers all technical attributes of the 'big' Einstein amplifiers:

- extremely short signal paths
- sophisticated power supply with high current headroom
- outstanding signal to noise ratio
- absolute thermal balance within the casing (basic for high life expectancy and optimal function of electric parts)
- high bandwidth for a detailed musical reproduction without phase problems
- no relays in the loudspeaker signal path and therefore no limits in dynamics
- volume control realized with resistor network
- integrated phono preamplifier suitable for MM as well as high output MC cartridges
- optional digital input (USB, DSD, Optical, SPDIF) for highest requirements

04. Setup

Proper HiFi racks with adequate spacing are most suitable and can even improve audible system performance.

05. AC mains connection

The IEC power inlet and mains fuse holder are located on the back panel. Disconnect the amplifier from the AC plug if you have to replace the fuse. 230/115 volts on the fuse contacts can cause serious electric shock.
When The Tune leaves our company it is adjusted to the voltage of the importing country. The voltage is adjustable and can be set to the necessary voltage of your country by your authorized dealer, the distributor or by EINSTEIN.
Since our customers usually have a preferred power chord we supply a standard one. For more 'EINSTEIN' we recommend the custom made EINSTEIN power chord.

06. Component connections.

Before initial power-up, install the interconnects to the sources and the cables to your loudspeakers.

Interconnects Use any high-quality RCA-terminated cable. Insure good non-oxidized contacts. Naturally, we recommend our own NF cable **EINSTEIN The Flash** which has been designed for optimum synergy. But that's just our opinion. Still, allow us one piece of advice: Use **The Tune** to enjoy music, not to test cables.

Loudspeaker cables Insist on cables with superior non-oxidized contacts and sufficient conductor mass to supply adequate current to the speakers. This insures proper damping factor for mandatory transducer control. (Cables of insufficient conductor mass can strangulate an amplifier's current delivery.) The **EINSTEIN The Thunder** loudspeaker cable is a perfect partner for **The Tune**.

07. Power mains

To turn the machine on or off, press the rocker mains switch on the back panel right beside the power inlet. The touch screen panel on the front will confirm power. Thermal stabilization and final readiness are reached after about 2-3 minutes. Should you have any problem please switch off the amplifier for 5 minutes. Then switch on the amplifier again. If the problem still exists, contact your dealer or the factory to avoid internal damage. Optimal operation conditions and stabilized sonics for **The Tune** are reached within a half hour of turn-on.

08. Controls on the front

All functions of **The Tune** are controlled by touching the touch screen panel. The left side shows the inputs that can be chosen by touching the requested input. The volume can be adjusted by touching + for louder or – for lower on the right side of the panel. Volume is indicated by numbers from 0 (minimum) to 63 (maximum). After appr. 30 secs. the chosen input is stored – the panel shows only the chosen input and the volume. You get back to the menu by touching the panel once. The chosen input is stored also when the amplifier is switched off. The volume always goes to 25 when switched off.
To protect the display it gets a new setup every 20 min. – this is indicated by a short flicker. Due to production process a certain amount of pixel errors is normal.

Inputs

The Tune offers four analog inputs: three high input (CD, Tuner, Line with an input sensivity of 550mV for rated power output / 50kOhm) and one phono input (input sensivity 2,5mV/MM, 1,2mV/MC).
The Tune offers an integrated phono preamplifier. It is suitable for MM as well as high output MC cartridges. Input impedance for MC cartridges is 200 Ohm. For the use of MM cartridges two jumpers have to be removed by your dealer or distributor. The input impedance then is 47 kOhm.
The Tune also offers a LINE OUT output which serves either as Preamp Out (the output level changes according to the volume / 1.8V for rated power output) or as Tape Out (the output level is independent from the chosen volume). Originally **The Tune** is delivered with Preamp Out. If you prefer to use the Tape Out please contact your dealer or distributor.

09. Remote control

The Tune comes with a custom made design remote control called **The Control**. It is a real **EINSTEIN** product with the basic functions for input selection and volume control.
The two upper buttons are for input selection. The volume can be controlled by pressing the two buttons (– for lower + for higher volume) in the middle. The lowest button is for mute (pressing once the volume is zero - pressing twice the volume is back to the original level).
To change batteries please remove the black acrylic cover (the one without the EINSTEIN printing) on the opposite of the function panel by removing the four screws with the provided tool. When you open the case just change the two AAA batteries. Please make sure you are using high quality batteries.

10. Fuses

A blown fuse could indicate internal problems. Should the integrated amplifier refuse to operate after a blown fuse has been replaced, contact your dealer/distributor or **EINSTEIN**. A proper replacement fuse must be marked 1.6A slow-blow for 230/240V version and 3.15A slow-blow for 100V or 115/125V version. Before replacing a fuse, insure that the amplifier is disconnected from your wall outlet to avoid risk of electric shock.

11. Cleaning

Use a soft cloth and a gentle glass cleaner to polish the acrylic front or to clean the anodized aluminium parts. For cleaning the highly sensitive touch screen panel please use only suitable materials such as the EINSTEIN Ultra Cloth.

EINSTEIN Ultra Cloth superfine cleaning cloth

The EINSTEIN Ultra Cloth is extremely effective and cleans delicate surfaces thoroughly and with care. Thus it is most appropriate to clean all EINSTEIN surfaces. It removes grease, fingerprints, grime and other pollution easily. Together with EINSTEIN Soft Clean it is perfect to thoroughly clean acrylic, gold plated contacts, polished stainless steel and all other delicate EINSTEIN surfaces.

If dirty you can wash the EINSTEIN Ultra Cloth at 30°C (86°F) with a normal laundry detergent. Please do not use conditioners or softeners and do not tumble dry.

It is appropriate not only to clean the delicate EINSTEIN surfaces but also screen displays like Retina, Lexan, objective lenses, LCDs, TFTs, smart phones and tablet PCs.

Please note: The EINSTEIN Ultra Cloth is also suitable as a protection for your laptop display – simply put it on the keyboard before closing the laptop – the display is protected and can be easily cleaned!

12. Service

Should you encounter any problems, please, contact your dealer or **EINSTEIN**.

13. Performance Tips

You may enjoy improved performance if you pay attention to the following: Correct AC power phase; high-quality low-impedance interconnects; proper AC mains filtration or conditioning; suitable performance power cord; resonance control by way of a well-engineered equipment support; proper system grounding via a single earth ground; high-quality loudspeaker cables.

14. Warranty

EINSTEIN The Tune carries a 3-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.

15. Technical Specifications The Tune

- S/N ratio: line > 95dB
phono MM > 70 dB
USB/SPDIF 95dB
- Power output: 80 watts/8 ohms (130 watts/4 ohms)
- Damping factor: > 250
- Weight: 12 kg (30 lbs)
- Dimensions W x D x H: 430 x 405 x 130 mm (16.9 x 15.9 x 5.1 inch)

16. Final test prior to shipping

• Visual inspection	O.K.	Tester
• Electric test	O.K.	Tester
• Listening test	O.K.	Tester
• Packing/contents	O.K.	Tester