

**ASR Audio Systeme
Friedrich Schaefer**

**Hohe Straße 700 / 5A
D 35 745 Herborn**

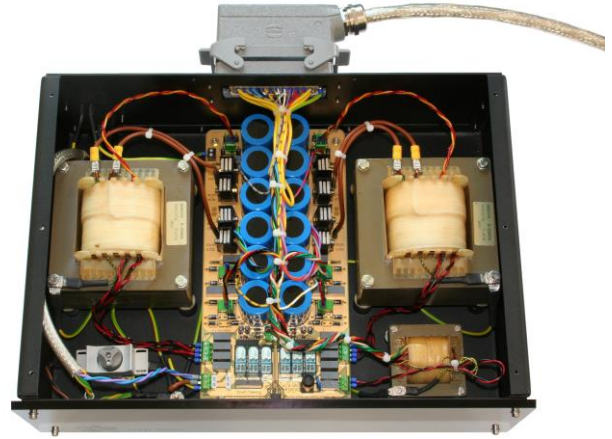
Telefon +49 2772 – 4 29 05

Telefax +49 2772 – 4 04 88

E-Mail asr@asradio.de

Internet www.asradio.de

ASR Emitter I und **Emitter I Exclusive**



The ASR Emitter amplifiers combine two worlds in one amplifier :

The emotional sound of the Tube with the Power and Precision of the Transistor !

*Therefore the ASR Emitter are **built different** to most other common amplifiers :*

*ASR Emitters are **main-amplifiers** with input-selector and volume control – you **don't need a preamp**.*

*The **power supplies** have **separate compartments**, the input-, driver-, and output-stages have their **own supplies** each with separated rectification and generous **buffering** with **many capacitors**.*

*The **volume** is regulated with **relays**, the casings are made out of **tonally neutral acrylic**.*

With the ASR Emitter you can listen many hours totally relaxed !

*The ASR Emitter I is available in two versions : **Emitter I** and **Emitter I Exclusive** :*

*The ASR Emitter I is well equipped with **expensive parts** for his price and the **ideal amplifier** for a **high-quality High End** setup especially with very demanding **loudspeakers** with **critical impedance** curves.*

*With the sum of his **special technical solutions**, the ASR Emitter I is a well available part for high class High End equipment for your home.*

*The ASR Emitter I **Exclusive** is even **better equipped** and the right amplifier for the **Hifi Connoisseur**, that asks for even higher resolution of fine details and even more precise sound picture.*

*The **Dimensions** of the ASR Emitter I **Exclusive** allows a **good integration** in your living rooms.*

*All possible **improvements** of the ASR Emitter I are built-in in the ASR Emitter I **Exclusive**.*

*The ASR Emitter I **Exclusive** has a very fast and by this "alive" **Sound picture** with perfect resolution of finest details. Through his **extremely high speed**, the Emitter reproduces the **three-dimensionality** of good records genuinely into your hearing-space.*

*The sound of the ASR Emitter I **Exclusive** remains **relaxing** and **homogeneous**.*

*With the optional **battery power supply** the ASR Emitter I **Exclusive** sounds even more **relaxed** - the **three-dimensionality** of good records become even more **precise**, the **interpreters** stand **stable** at certain places, **finest details** like the "air" around the instruments become **perceptible**.*

The technique of the ASR Emitter I :

- two channel amplifier in the **acrylic casing** with input selector and volume control.
- **Class A/B** technology with 12 Toshiba special **Audio-MOSFETS** with high impulse capacity.
- **Mounting bars** of the output Transistors made from **massive brass** for low resonance.
- Volume control with **relay attenuator** in 1dB-Steps with balance and input level adjustment.
- **25 mm LED-Display** available in yellow or blue as operational indicator, adjustable in many ways
- 5 high-level RCA inputs with adjustable input impedance, plus 1 direct input, 1 record output.
- **Gold plated** massive brass **RCA-sockets** with Teflon isolation. Massive **silver-wires** for all signals.
- **large 60 amperes binding post** for fork cable shoe connectors and 4 mm banana-plugs.
- **Protection-circuits** against Overload, Clipping, DC Offset, and Overheating.
- Circuit board 2,4 mm with 105u **copper**, parts of the two channels in mirror-symmetrical order.
- **External power supply** with 3 PM transformers and **energy-management**, separate rectification for each of the 8 voltages with **32 Schottky rectifiers**.
- Especially **stable power supply casing** of high-quality, very stable steel sheet metal.
- **Low loss** Neozed **high load fuse** built in the power supply unit.
- **Stable industrial power connector** from **Harting** for the connection to the amplifier-part.
- Double shielded multi wire cables between amplifier and PSUs 2 m long, other lengths on request.
- Power cable **ASR Magic cord** 150 cm with low loss 21A power connector at the power supply.
- high-quality **ASR design remote control** made from **Corian** for all functions.

Additionally equipment of the **ASR Emitter I Exclusive**

- Buffering capacitors with total **606.440 uF**, with **HV (High Voltage) Elkos**
- **Balanced input** with round Switchcraft XLR sockets with switchable **input impedance**.
- **feets** made from of **massive brass** chrome plated for the amplifier unit.
- **Power supply** with improved equipment for **higher performance**. The 3 PM Transformers are equipped with higher **magnetic flux** kernel-sheet metal, rectification with 56 Schottky rectifiers.
- A **battery power supply** for the input stage with **428.000 uF** additional Buffer available as an Option.

Data for both Emitters :

- ◆ **Frequency range** from 1 to 100.000 Hz with +/-1dB, 20-20.000 HZ +/- 0.2 dB
- ◆ **Signal to noise ratio at the line input:** > 88 dB • Input impedance 22 k to 500 Ohm
- ◆ **Distortions:** maximal 0,01 % • **damping factor:** greater than 600 • **Rise time:** <1 µs
- ◆ **Power consumption** in Standby: 0,6 VA, energy mode 50 VA, full power 120 VA

Equipment list of the different versions of the ASR Emitter I :

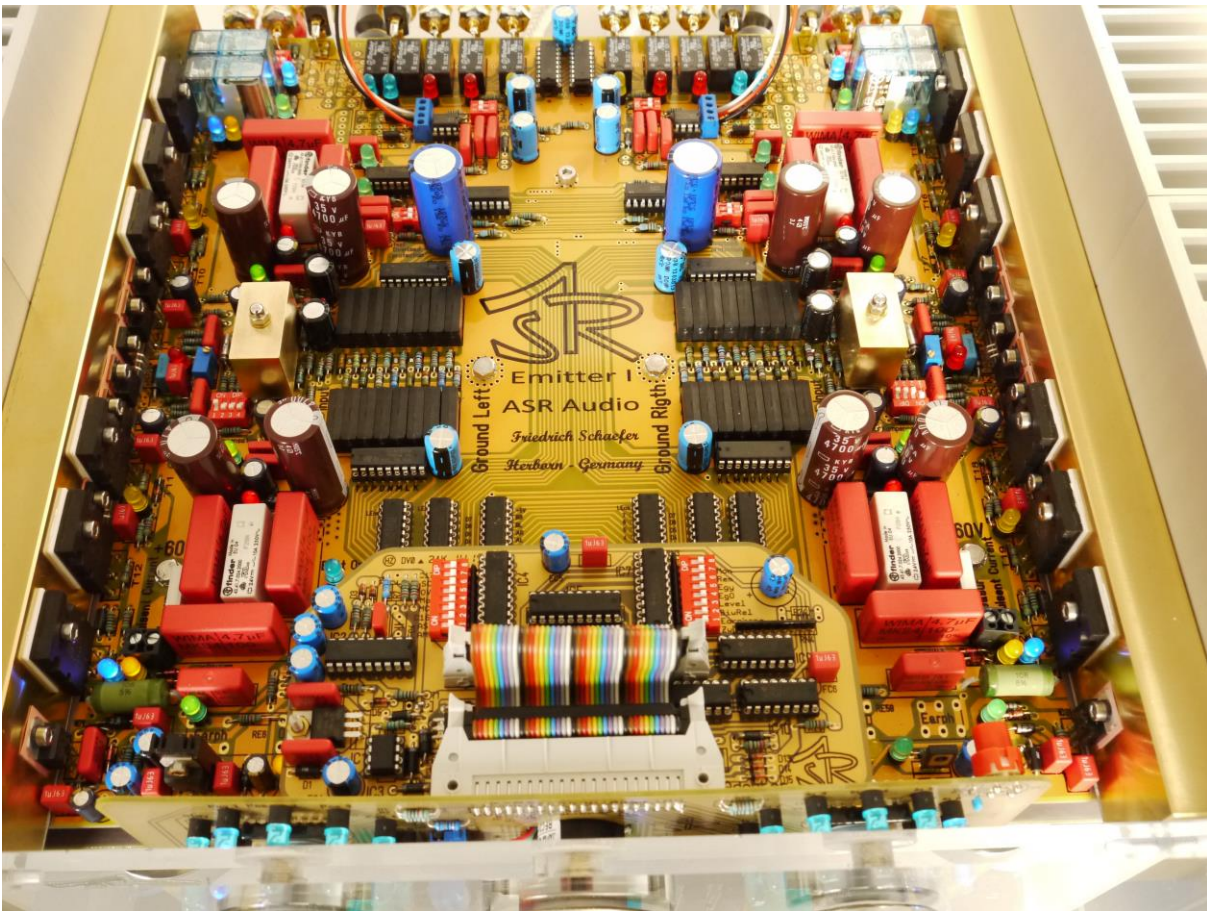
	Schottky Rectifier	Trafo	Sinus 8Ω	Sinus 4Ω	Sinus 2Ω	
Emitter I	32 pcs	2x 500 VA	2x 140	2x 250	2x 450	Watt
Emitter I Exclusive	56 pcs	2x 700 VA	2x 160	2x 290	2x 520	Watt
Emitter I Excl Batt	56 pcs	2x 700 VA	2x 160	2x 290	2x 520	Watt
Buffering capacity :	Input 16V	Driver 80V	Output 63V	Control 12V	Total	
Emitter I	85.680 uF	41.880 uF	201.200 uF	77.680 uF	406.440 uF	
Emitter I Exclusive	85.680 uF	41.880 uF	401.200 uF	77.680 uF	606.440 uF	
Emitter I Excl Batt	513.680 uF	41.880 uF	401.200 uF	77.680 uF	1003.440 uF	

Dimension and weight : width x depth x height, depth at the power supply with plug in brackets

Emitter I : Main unit : 42 x 42 x 18 cm, 19 kg, Power supply 46 x 32(42) x 16 cm, 31 kg

Exclusive : Main unit : 42 x 42 x 18 cm, 22 kg, Power supply 46 x 32(42) x 16 cm, 32 kg

Emitter I Exclusive main board with silver anodized heatsinks



Emitter I Exclusive Battery with 60 Ampere binding post

