

### Technical specifications for Lejonklou Tundra Mono 3

Dimensions (WxHxD)	350x69x350 mm
Weight	4.4 kg
Mains input voltage (two versions)	90-132 or 187-264 VAC
Mains fuses (on both live and neutral)	T3.15A
Signal input impedance	10 k $\Omega$
Signal input maximum level	1.65 VAC and 40 mVDC
Signal gain	20.8 dB (11 times)
Output impedance/Rec. load	0.05 $\Omega$ /4–16 $\Omega$
Output power (all ratings continuous)	40 W into 8 $\Omega$ 20-20k Hz
RMS at less than 0.1% THD and mains voltage >103 or >207 VAC)	57 W into 4 $\Omega$ 20-20k Hz
Output peak voltage	26 V
Frequency range (-3 dB)	DC to 130 kHz
Power consumption	200 W max, 19 W idling

### Warning

This appliance must be earthed. Lethal voltages inside, do not open!  
No user serviceable parts inside. Refer servicing to qualified personnel. To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. Never use an appliance with a damaged power cord, as there is risk of lethal shock.

The power cord is internally colour marked as follows:

Europe/UK: Live=Brown, Neutral=Blue, Ground=Green/yellow

North America: Live=Black, Neutral=White, Ground=Green

CE Declaration of conformity:

This appliance follows the directives 73/23/EEC (LVD) and 89/336/EEC (EMC) by conforming to the following standards:

EN60065:2014 (Safety)

EN55013:2013 (Emissions)

EN55020:2007 (Immunity)



### Contact information

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# LEJONKLOU

## Tundra Mono power amplifier

### User manual

## **PLEASE READ THIS MANUAL CAREFULLY!**

### **Positioning**

Position Tundra Mono on a flat, rigid surface with plenty of space around it, so that air can circulate. The best sounding support we know is the Harmoni rack. If placing Tundra Mono on a Harmoni shelf, make sure the four rubber feet are centrally positioned on the shelf. The feet may appear simple in construction, but are in fact carefully chosen for optimal performance. Tighten them using your fingers only.

**Never stack** units on top of each other, as the feet will leave permanent marks on the paint of the bottom unit!

### **Connecting (always done when switched off)**

Connect your pre amplifier to the upper RCA socket, labelled LINE IN. As Tundra Mono is DC-coupled, you can only use preamplifiers that have **zero** DC voltage on its output.

**Beware of tight RCA plugs!** If your interconnects have very tight fitting RCA plugs, using force can damage the socket in Tundra Mono. Never use force, but instead make sure your plugs fit snugly. If needed, the input signal can be daisy chained to more power amplifiers or a subwoofer by using the LINE OUT phono socket.

Connect your loudspeaker to the speaker output, using a cable terminated with Lejonklou 4 mm safety connectors.

**Warning:** Although individual banana connectors are possible to fit, they are banned in the EU for safety reasons. Use only Lejonklou 4 mm safety connectors! For optimal sound quality, we recommend **single wire** loudspeaker cable. Lejonklou offers optimal loudspeaker cables in custom lengths, using the best parts we're able to find. Please contact us if you need a pair.

When all signal connections have been made, you can connect the power cord and switch Tundra Mono on. It will reach an optimal temperature after about 60 minutes of operation. We recommend it to be switched off when not in use for a longer period of time. The mains switch is located at the back, above the power cord entry.

### **Protection – important!**

Two circuits protect Tundra Mono against internal overheating:

**1:** If the internal heat sink reaches 60°C, the output stage will mute, to prevent further heating. Normal operation will return once the heat sink has cooled down sufficiently.

**2:** If the power supplies are heated above 50°C, they will gradually derate their output in order not to become overheated.

Tundra Mono is also protected against continuous over current.

### **Tundra can, however, easily be damaged by improper use:**

One way is to short the speaker output terminals while the amplifier is in operation. Protecting Tundra Mono against a sudden short circuit was not possible without loss of sound quality. Therefore such protection has been intentionally omitted. In addition, no such protection circuitry is 100% effective.

Therefore: Never short the speaker outputs!

A second way to damage Tundra is to increase the input signal far above the maximum of 1.65 VAC. Higher input levels can result in the output stage oscillating and destroying itself.

**Please note that high input levels can damage your Tundra regardless of whether loudspeakers are connected or not!**

If using a Lejonklou Sagatun, Superkikkin or similar preamp, the maximum level when listening to a Källa digital music player is volume **80** (orange). 81 is where Tundra starts clipping on full volume recordings.

**Not paying attention to the above two precautions can damage both your Tundra and the connected loudspeaker!**

Lejonklou will not be held responsible for any speaker damage due to a Tundra being short circuited or driven beyond its capabilities.

### **We hope you will enjoy your Tundra Mono!**

If you have any questions, suggestions or encounter a problem with it, please contact your retailer or Lejonklou directly.