



USER`S MANUAL

LUNA

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TECHNICAL DATA

Model: Luna
Type: vacuum tube stereo integrated amplifier
Class: AB
Vacuum tubes: 4x EL34 + 3x 12AX7
Inputs: 3x RCA + 1x DIRECT
Standard equpment: sub-out, IR remote control, tube cage
Equipment card slot extension: 1x
Speakers suitable impedance 4 Ω / 8 Ω
Nominal output power: 40 W (ultralinear) / 20 W (triode)
THD: (1 kHz at full power): <0,05%
Frequency response: 16 Hz – 115 kHz
S/N ratio: -82 dB
Damping factor: >20
Input impedance: 50 kΩ
Sensitivity: 0,7 V
Power consumption: 170 W (idle); 250 W (full power)
Net weight: 20 kg
Dimensions: 345x417x235 mm

## 2 SAFETY TIPS

 In order to obtain the highest possible sound reproduction quality and for the sake of your own safety, please kindly refer to the following.

- Never turn on the amplifier without installed tubes and without hooked-up speakers.
  - Never place the Fezz Luna amplifier near heat sources, such as radiators, heaters or direct sunlight. Ensure adequate ventilation and airflow
  - We also warn against exposure of the amplifier to conditions such as very low temperatures and/or high humidity.
  - During normal operation, the vacuum tubes radiate significant amounts of heat - there is a risk of burns.
  - The amplifier should be plugged directly into a wall socket. If you must use an extension cord, please make sure that it has load parameters sufficient to ensure proper handling of current delivery to the device.
  - When cleaning, always disconnect the amplifier from the power source. Use a dry, soft cloth. Do not use water or cleaning agents.
  - If your amplifier starts to misbehave or to work incorrectly, if it's temperature gets too high or you start feeling smoke - immediately disconnect the device from the mains.
  - Due to the risk of exposure to high voltages – please do not open the lid of the amplifier.
- ATTENTION: This warning remains in force also in a situation where the device is already disconnected from the wall outlet.
- Always replace fuses in accordance with the original, intended specification.
  - Do not make repairs on your own, or adjustments beyond those as described in this manual. Execution of any unauthorized repairs or modifications of the device result in a loss of warranty.

## 3 INTRODUCTION

The new Fezz Audio LUNA delivers the legendary warmth and musicality of EL34 tubes, combined with modern engineering for greater versatility and reliability. With selectable Ultralinear or Tetrode modes, modular expansion cards, HT and Sub Out connectivity, and a refined remote control, LUNA combines timeless tube charm with today's functionality. Stylish and well-built, it enhances both the look and sound of your setup. LUNA is a true expression of Fezz Audio's philosophy - where tradition meets innovation, and music comes alive.

## 4 INSTALLATION

### UNPACKING


Please kindly check if the packaging of the amplifier has not been damaged during transit. If you find any damages, please immediately contact your dealer. Remove the amplifier and accessories from the packaging. Make sure that the content is not damaged.

 Do not connect the device to the power supply if it has visible signs of damage.

### PACKAGE CONTENT

The package should contain:

- Fezz Luna vacuum tube stereo integrated amplifier
- Power tubes EL34 - 4 sztuki
- Driver tubes 3x 12AX7
- Power cord
- Remote
- Tube cage
- Manual
- Gloves

 If any of the above items are missing in your package, contact your dealer immediately.

VACUUM TUBES INSTALLATION

Place the amplifier on a stable surface. Carefully remove the vacuum tubes from their packaging and install them in the appropriate sockets, as show below, and adhering to the numbering scheme as identified on the packaging.

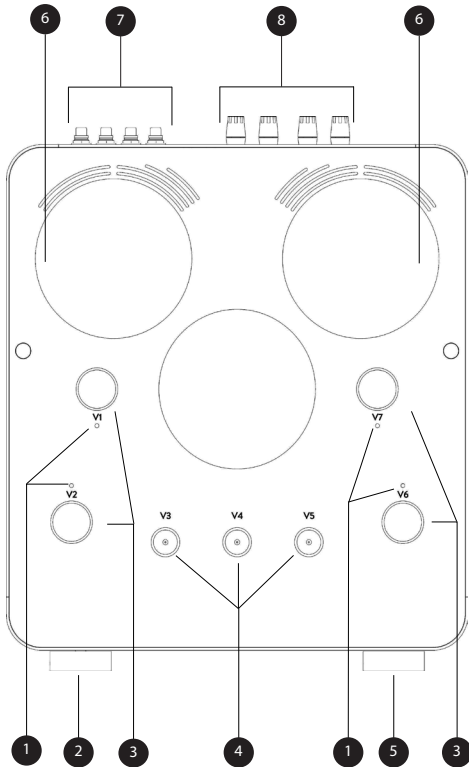
⚠ The pins in the base of each of the vacuum tubes are “coded”, and this has the result that the insertion of the vacuum tube into the socket is possible only in one correct and appropriate orientation. If, whilst inserting the vacuum tube you will sense resistance, and you can not push the tube into the socket, please check the orientation of its pins, rotate the tube to the correct position and try again.

WHERE TO PLACE YOUR AMPLIFIER

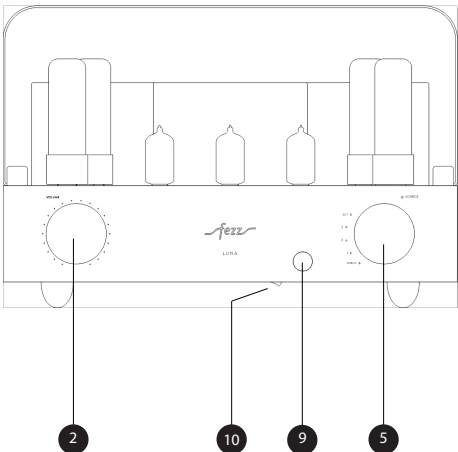
Due to the presence of high temperatures during normal operation of the vacuum tubes, the location that you have decided to place your amplifier should ensure ample ventilation, a free flow of air. Please maintain at least 10 cm clearance between the housing of the amplifier, together with the vacuum tubes, and other devices or elements of the interior. The sound quality may be degraded as a result of vibrations. Therefore we recommended to place the amplifier on a flat and stable surface.

⚠ Never place the amplifier near the source of heat.

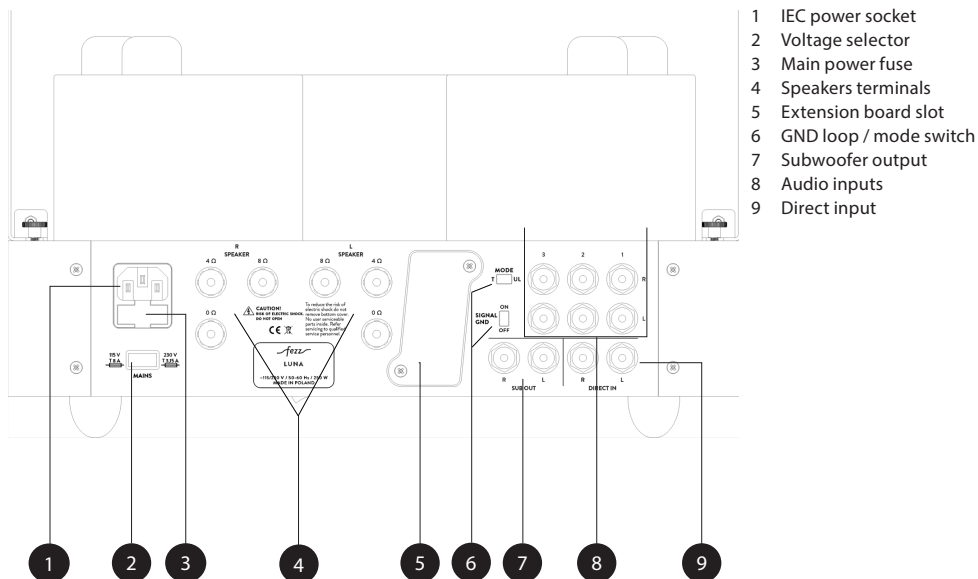
DESCRIPTION OF THE AMPLIFIER




- 1 Power tube fail led indicator
- 2 Volume control potentiometer
- 3 Power tubes sockets
- 4 Driver tubes sockets
- 5 Volume control potentiometer / ON / standby switch
- 6 Output transformers housing
- 7 RCA audio signal inputs
- 8 Speaker terminals
- 9 IR remote receiver
- 10 Mains switch



## 5 INTERCONNECTIONS



The figure above shows the rear panel view of the amplifier, together with a description of the inputs and outputs allowing for connection of the other elements of your audio system.

 To avoid electrostatic shock to the components of the amplifier, please touch a grounded conductive surface before making any connections. Any and all connections must be made whilst the device is disconnected from the mains power supply. Before making any such connections, make sure that the amplifier is switched off.

Follow the instructions below to connect your sound system correctly.

### STEP 1 SPEAKERS CONNECTIONS

Check the impedance of your loudspeaker system. Connect the speaker cables to the appropriate terminals on the rear panel of the amplifier. Connect the black cable to the black terminal on the amplifier marked "0".

Connect the red cable, depending on the impedance of your speakers, to the terminal marked 4Ω or 8Ω.


If the impedance of your loudspeaker system is 6Ω, connect the red speaker cable to the 8Ω terminal.

 NEVER TURN ON THE AMPLIFIER WITHOUT CONNECTED SPEAKERS

### STEP 2 AUDIO SIGNAL SOURCES CONNECTIONS

Connect the signal sources to the amplifier inputs IN1, IN2, or IN3. Make sure to connect the right (R) and left (L) channels correctly. Select the desired source by turning the input selector located on the front panel of the amplifier.

For the best sound quality, we recommend using high-quality signal cables.

 To connect a turntable, you will need to use an external phono MM/MC preamplifier or turntable with a built-in preamplifier.

### STEP 3 POWER CORD CONNECTION

Make sure that the amplifier is switched off. Connect the power cord to the IEC socket on the rear panel of the amplifier. The amplifier is designed to operate at rated switchable voltage of ~115 V or ~230 V 50-60Hz. Please check parameters of your mains network, if needed switch to right voltage using switch at the back. Please ensure that you have installed suitable fuse for desired voltage. Connecting the device to a mains network with incorrect parameters can lead to damage that is not covered by manufacturers warranty.

## 6 FIRST POWER-UP AND GETTING STARTED

Make sure that all of your wiring is connected in accordance with the information as provided above. We recommend to turn the amplifier ON last in the „audio chain“.

Set the volume control to minimum. Turn on the mains power of the amplifier using mains switch at the front - bottom (index 10 page 4) Press the source selector right handed knob, to turn the amplifier ON. Fezz logo will light up red. Luna Mini is equipped in a 2-minute pre-heating cycle, which ensure optimal operating conditions and extended tube lifespan. After this time Fezz logo will turn white from red colour. The operation of the amplifier narrows down to adjusting the volume via VOLUME potentiometer and selecting an audio signal source via rotation of the SOURCE knob.

### BURING-IN PROCESS

Any tube amplifier requires an initial pre-heating (or „burn-in“) period, in order so that it achieves its full sonic potential. This is due to the presence of residual polarization of dielectric elements and due to a necessary stabilization of working parameters of the vacuum tubes. The stabilization of the electrical parameters of the system occurs in a natural process whilst playing music through your audio system.

A preliminary degree of pre-heating of the amplifier is reached after about 10 hours of music playback. Full sonic capabilities shall stabilize and unfold within a time-span ranging from 40 to 60 hours of music reproduction at a moderate volume levels. In the initial period of operation of the amplifier it is advisable to avoid short-term operation periods of the amplifier. Once activated, it should remain operational for a period of minimum 30 minutes.

### VACUUM TUBES REPLACEMENT

Your amplifier is equipped with automatic bias module. It's necessary to use vacuum tubes that have previously been pre-selected and paired up in quads or pairs.


- 1) Disconnect the amplifier from the mains socket, the power supply network.
- 2) Remove the currently installed tubes from their respective sockets. Plug in the new replacement vacuum tubes in these sockets.

### UL / TRIODE MODE

This amplifier is equipped with a mode switch (index 6 page 5) that allows you to choose between two operating modes: Triode and Ultralinear. Each mode offers a distinct sonic character, giving you the flexibility to tailor the sound to your preferences and listening conditions.

Triode mode – Provides a warmer, smoother sound with lower output power. Preferred for critical listening and intimate music sessions.

Ultralinear mode – Delivers higher power with greater dynamics and tighter bass, while still maintaining tube character. Ideal for more demanding speakers and energetic music.

 Before switching modes, make sure to power off the amplifier.

## 7 POWER TUBES PROTECTION CIRCUIT

Every power tube has its own circuit protection system. When power tube will fail, safety fuse light will switch on (red light signalisation index 3 page 4) and prevents any further damage of the amplifier. Faulty tube is singalised by red led light. If the indicator light turns on, please switch off the amplifier using the main power switch located on the bottom of the unit. (index 10 page 4) Check if the tubes are installed correctly. Then power on the amplifier again. If the red indicator light still remains on, this means the tube is defective and must be replaced with a new one.

## 8 EXTENSION BOARD

This amplifier is equipped with a dedicated slot for optional extension boards (sell separately, allowing you to expand its functionality. The following boards are available as additional accessories:

MM Phono – for connecting a turntable with a moving magnet cartridge.

Bluetooth – for wireless music streaming from compatible devices.


DAC – for high-quality playback of digital audio sources.

By installing an extension board, you can tailor the amplifier to your individual needs and preferred way of listening.

## 9 EXTENSION BOARD INSTALLATION

Switch off the amplifier using the mains switch located at the bottom of the unit. Disconnect the power cable from the mains. With a screwdriver, gently remove the extension board cover (index 5, page 5) on the back of the amplifier. Locate the ribbon cable inside the slot it is attached to the lid and connect it to the male socket of the extension board. Insert the extension board into the slot.

Secure the board to the amplifier enclosure with the screws using a screwdriver. Turn on the amplifier.

 **WARNING!** Due to the presence of high voltage, disconnect the amplifier from the power supply before installing the card.

## 10 REMOTE CONTROL

The amplifier is equipped with an IR (infrared) remote control. It allows convenient operation of the basic functions of the device, such as input source selection, volume adjustment, and switching the amplifier to Standby mode.

The remote control should be pointed towards the front panel of the amplifier, in the direction of the IR receiver.

## 11 TROUBLE-SHOOTING GUIDE

If your amplifier does not work as it is supposed to, it is fairly easy to diagnose and remedy some of the common malfunctions, by following procedures as outlined in this following.

THE PROBLEM	PROBABLE REASON	SOLUTION
After turning the power switch to the ON position, the amplifier does not switch on.	A blown fuse	Please exchange to faulty fuse to a new one with correct current value, within the fuse holder as depicted with index 3 on page 5 of this user's manual.
	An improper connection of the mains cable	Please check if the plugs of the mains cable are properly inserted into the electrical mains socket and to the socket as depicted with index 1 on page 5 of this user's manual.
The sound produced by the amplifier is distorted. A hum or pops have appeared and are coming from one of the channels.	An improper installation of the vacuum tubes in the sockets	Switch off the amplifier. Wait until the vacuum tubes cool down. Check for proper placement of vacuum tubes in their sockets. If necessary – correct their orientation.
	One of the driver tubes (12ax7) has lost its nominal working parameters	Switch off the amplifier. Wait until the vacuum tubes cool down. Exchange the positions of the driver tubes between channels. Turn on the amplifier. If the disturbing sounds have moved to the other channel, inform Your local Fezz Audio dealer about tube which need to be replaced.
	One of the Power tubes (EL34) has lost its nominal working parameters	Switch off the amplifier. Wait until the vacuum tubes cool down. Exchange the positions of the power tubes between channels. Turn on the amplifier. If the disturbing sounds have moved to the other channel, inform your local Fezz Audio dealer about tube which need to be replaced.
One of the power tube fails. It can cause auto fuse failure.	Power tube failure	Turn off the mains of the amplifier. Wait 3 minutes, then power the amplifier. If red led light still goes up please change the power tube for new one.
After connection of the preamplifier hum from both speakers appeared.	Signal ground loop.	Switch GND signal ground switch as depicted with index 7 page 5.

Jeśli sprawdziłeś powyższe sytuacje, a problem nadal występuje, skontaktuj się ze swoim lokalnym dealerem Fezz Audio.



Manufacturer information:

Toroidy.pl Transformatory L.Lachowski Sp.k.  
Kolonja Koplany 1E  
16-061 Juchnowiec Kościelny  
owner of Fezz brand

[www.fezzaudio.com](http://www.fezzaudio.com)

MADE IN POLAND

- For indoor use only.
- Keep away from water and extreme heat.
- Allow sufficient ventilation to prevent overheating.
- Handle vacuum tubes with care; they become extremely hot during operation.

