musicbook:50

Listen. Relax. Enjoy.

User manual

Welcome

Congratulations on your purchase of this device and thank you for choosing a LINDEMANN product. We hope you enjoy listening to music during long evenings with your favorite recordings. With the musicbook series, you have chosen one of the most technologically advanced and best-sounding audio systems. We develop and manufacture our equipment in Germany and have put all our passion and over 20 years of experience into this extraordinary product that leaves no wishes unfulfilled in terms of sound quality. Discover a new quality of music reproduction that easily fills large rooms and puts singers within reach in your living room. Enjoy listening!

Your LINDEMANN team

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This product complies with the directives 2006/95/EC (Low Voltage Directive), 2004/108/EC (EMC Directive), and 2009/125/EC (ErP Directive).

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Important safety information

Read this user manual carefully.
Carefully observe all **NOTES**. The manual is designed to help you to properly use your new Lindemann product so that you can enjoy all its features. Keep this user manual for future reference.

- Before connecting the device, check to see if your power supply matches the values specified on the type plate. The type plate is located on the bottom of the device.
- When connecting the device, use the included power cord or another appropriate power cord. Operation without protective grounding is not permitted and is dangerous.
- Connect the device with a proper power socket and route the cable so that it cannot be crushed or kinked. Make sure that the power cord remains undamaged and constantly accessible.
- To prevent fire or electric shock, do not expose this device to rain or moisture. The device must not be operated outdoors. Protect the product from dripping or splashing fluids, and do not place any objects filled with water (such as vases) on the product or in its vicinity. As with all electronic devices, liquids should never be allowed to penetrate into product.
- Do not make any changes to the product or its accessories. Unauthorized changes may compromise safety, regulatory compliance, and proper function of the device. The warranty is voided in such cases.
- Do not expose the device or the IR remote control to extreme heat, including direct sunlight and fire. Allow waste heat generated during operation to dissipate freely. Never operate the device in closed cabinets or near heat sources such as radiators or stoves.
- Set up the device so that the back of the device with the power switch is always accessible. Do not use this device unattended. If you will not be operating the device for an extended period of time, turn it off using the power switch on the back or unplug the power cord. If you notice smoke or a burning smell during operation, discontinue using the device immediately by turning off or unplugging the power cable from the power socket.
- To clean the device, unplug the power cord and clean the surface with a dry cloth or with a little glass cleaner. Make sure that the device is completely dry before you reconnect it with the power cord. Never use solvents (such as acetone or lacquer thinner) to clean the device.
- Have repair and maintenance work performed by qualified customer service personnel only. Do not try to repair the device yourself. Do not remove or open the device cover; otherwise, you could come into contact with dangerous voltages or be exposed to other hazards. Contact your Lindemann dealer or Lindemann audiotechnik directly to receive qualified customer service.
- Electronic equipment is not household waste but must be disposed of properly in accordance with Directive 2002/96/EC on electrical and electronic waste. At the end of its useful life, dispose of this device at a designated public collection point.

Scope of delivery

musicbook:50
musicbook:50 Class-D power amplifier. The musicbook:50 is a fully balanced Class-D power amplifier for operating loudspeakers.

Power cord
Power cord with two-pin grounded plug (2 m) for connecting to the power socket.

Front view

Standby LED
The amplifier lights up constantly in yellow and pulsates in operation. A highly sensitive signal detector switches the device on and off automatically. This avoids unnecessary energy consumption.

Error indicator LED
Lights up red in case of error; the reliably operating protection circuits monitor the amplifier output and protect the loudspeakers from damage.

Rear view

Balanced (XLR) and unbalanced (RCA) inputs for connecting a network player or USB DAC. Non-magnetic, gold-plated RCA sockets for optimum signal transfer. Note: The inputs cannot be used simultaneously.

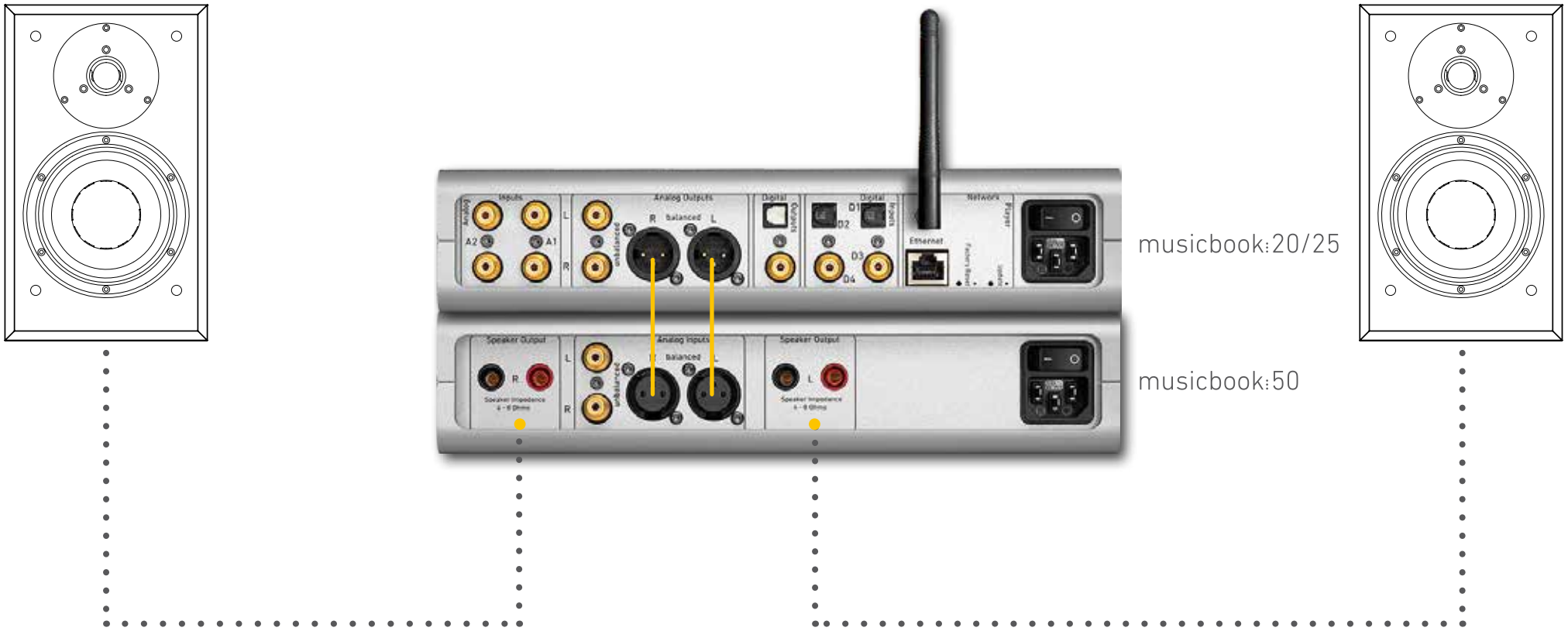
Power switch for completely disconnecting the musicbook:50 from the power supply.

IEC power connector
for connecting to the power supply.

Loudspeaker ports for connection of the power amplifier to the speakers. We recommend the use of speaker cables with hollow safety plugs (4 mm diameter).

Connections

musicbook:50 with musicbook:20/25 + passive loudspeakers



Connection:
The musicbook:50 is a fully balanced Class-D power amplifier and should therefore be used with balanced signal cables. They require cables with hollow saftety plugs (4 mm) for connecting the loudspeakers. The musicbook:50 is an extremely audiophilic amplifier which shows its full sound potential with high-quality two-way loudspeakers or small to medium-sized standing loudspeakers. Impedance values of the loudspeaker of 6–8 ohms are ideal. The amplifier monitors itś input with a highly sensitive signal detector and automatically switches on when music is played. Discover how uncomplicated perfect music playback can be!

Technical specifications of the musicbook:50

Overview

Active input

The musicbook:50 automatically detects which input is in use. Always connect only one of the two inputs (RCA or XLR) with a signal source. If both inputs are connected with active signal sources, the amplifier always connects the XLR input through. Note: If you want to change the input during operation, you need to switch off the device using the power switch on the back and then switch it on again after changing the cable. The time between switching off and switching back on must be at least 10 sec.

Automatic signal detection

The musicbook:50 is equipped with intelligent consumption management. Immediately after the amplifier is switched on, it goes into idle mode (2.5 W consumption). When a music signal is detected on the input, the amplifier switches from idle mode to active mode. If no music is played for 30 min., the amplifier switches back to idle mode. After an additional 30 min. without music (a total of 60 min.), the amplifier switches into standby mode (0.45 W consumption).

Circuitry principle

Fully balanced stereo power amplifier in Class-D technology based on a circuit concept protected by several patents, the UCD amplifier. With all-discrete circuitry and careful fine-tuning, the technology fulfills its full sonic potential. Highly detailed and dynamic, forceful and with the finest resolution of high tones. Extremely low power consumption and low heat generation due to high efficiency. The ideal amplifier for easy listening in normal residential spaces.

Technical specifications of the musicbook:50

Detailed technical specifications (measuring conditions: 230 V, 50 Hz, 20°C)

- **Supply voltage range:** 90–264 V, 50–60 Hz.
- **Dimensions:** 280 x 220 x 65mm (W x D x H).

(Subject to technical changes! Measurement data are typical values.)

Protection circuits

- **Direct current (DC) on the output:** Power supply switches off.
- **Excess temperature:** Amplifier mutes until the temperature drops by about 10°C.
- **Output current limit:** Amplifier mutes for about 0.25 s. Switching threshold 6 A peak. In case of persistent overload, the amplifier switches on and off several times in succession.

Automatic switching

- **Switching threshold of input signal:** approx. 0.5 mV.
- **Idle mode:** Power supply switched on, amplifier switched off. Consumption 2.5 W.
- **Standby mode:** only the standby power supply is active. Consumption 0.45 W.
- **Active mode:** Power supply and amplifier switched on. Consumption depending on volume averages 10–20 W, 200 W maximum in peaks.
- **Switch-on times:** approx. 2 s from idle to active mode; approx. 8 s from standby to active mode.
- **Switch-off times:** after 30 min. the amplifier returns to idle mode, and after another 30 min. it switches to standby mode.

- **Weight:** 3.10 kg.
- **Power consumption:** Power consumption: 0.45 W standby mode, 2.5W idle mode, 200 W maximum.

Power amplifiers

- **XLR inputs:** analog line-level inputs with an input impedance of 10 kilohms.
- **RCA inputs:** analog line-level inputs with an input impedance of 5 kilohms.
- **Loudspeaker outputs:** Hollow safety plugs (4 mm) for connecting loudspeakers with 4–8 ohms.
- **Power output:** 100 W into 7 ohms per channel (< 1 min.).
- **Maximum output current:** 6 A peak.
- **Gain:** 25.8 dB (20 times).
- **Frequency response:** 0–36 kHz (-3 dB).
- **THD & noise:** < 0.05% typ.

musicbook:

Listen. Relax. Enjoy.

musicbook:10

USB audio music player with
DSD playback

musicbook:15

USB audio music player with
DSD playback & CD drive

musicbook:25

network music player & CD drive

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