

## 1010music nanobox | lemondrop

# 1010music Nanobox Lemondrop Granular Synthesizer Module User Manual

Model: nanobox | lemondrop

## INTRODUCTION

---

The 1010music Nanobox Lemondrop is a compact, polyphonic granular synthesizer module designed for creating a wide range of sounds, from lush pads to complex textures. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

## 1. SETUP

---

Follow these steps to prepare your Nanobox Lemondrop for use:

- 1. Insert MicroSD Card:** The device requires a microSD card for operation, as it loads the operating system and streams audio from it. Ensure the card is properly inserted into the slot on the back of the unit.
- 2. Power Connection:** Connect the Nanobox Lemondrop to a power source using the provided USB cable. The device is USB powered.
- 3. Audio Connections:** Use 3.5mm (1/8") TRS cables for audio input and output. Connect your audio source to the "LINE IN" port and your headphones or speakers to the "LINE OUT" port.
- 4. MIDI Connections:** For MIDI control, connect your MIDI controller or sequencer to the "MIDI IN" port using a 3.5mm TRS MIDI cable. The "MIDI OUT" port can be used to send MIDI data to other devices. Both Type A and Type B MIDI are supported.
- 5. Clock Input:** If synchronizing with external gear, connect a clock signal to the "CLOCK IN" port.



Figure 1: Rear panel connections of the Nanobox Lemondrop.



Figure 2: Included accessories and quick start guide.

## 2. OPERATING INSTRUCTIONS

The Nanobox Lemondrop features a touchscreen interface and two rotary encoders for navigation and parameter adjustment.



Figure 3: Front panel of the Nanobox Lemondrop.

## 2.1 Granular Synthesis Engine

The Lemondrop utilizes a powerful granular synthesis engine with 4-voice polyphony. It features two WAV-based "granulator" oscillators and an additional oscillator. Sounds can be shaped using two filters and two envelopes.

- **WAV File Loading:** You can use professionally developed WAV files or load your own via the microSD card to create unique sounds.
- **X/Y Control:** The touchscreen allows for intuitive X/Y control over various parameters, enabling dynamic sound manipulation.
- **Effects:** The module includes 6 built-in effects to further sculpt your sound.

## 2.2 Navigation and Presets

The touchscreen and physical buttons allow you to navigate menus, select presets, and adjust parameters. Refer to the on-screen interface for specific controls related to patch editing, effects, and system settings.

- **Preset Management:** Touch the "PRESET NAME" area on the screen to load and save presets.
- **Clock Display:** The screen also shows the current tempo.

## 3. MAINTENANCE

Proper care ensures the longevity and optimal performance of your Nanobox Lemondrop.

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid abrasive cleaners or solvents.

- **MicroSD Card:** The quality of the microSD card significantly impacts performance. It is recommended to use a high-quality, fast microSD card from a reputable brand (e.g., SanDisk) for reliable operation and to prevent data loss. The supplied card may not be optimal for long-term use.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

## 4. TROUBLESHOOTING

If you encounter issues with your Nanobox Lemondrop, consider the following:

- **Device Not Powering On:** Ensure the USB power cable is securely connected to a working power source.
- **No Sound Output:**
  - Check audio cable connections to the "LINE OUT" port and your speakers/headphones.
  - Verify volume levels on both the Lemondrop and your audio playback device.
  - Ensure a patch is loaded and active.
- **MIDI Not Responding:**
  - Confirm MIDI cables are correctly connected to the "MIDI IN" port.
  - Check MIDI settings on both the Lemondrop and your MIDI controller/sequencer to ensure they are on the same channel.
  - Verify that your MIDI controller is sending data.
- **Performance Issues / Freezing:**
  - A slow or faulty microSD card can cause performance problems. Consider replacing the microSD card with a faster, more robust one.
  - Ensure the firmware is up to date. Check the 1010music website for the latest firmware updates.

## 5. SPECIFICATIONS

Feature	Detail
<b>Model Name</b>	Nanobox Lemondrop
<b>Brand</b>	1010music
<b>Instrument Type</b>	Granular Synthesizer Module
<b>Polyphony</b>	4-voice
<b>Oscillators</b>	2 WAV-based Granulator Oscillators + 1 Additional Oscillator
<b>Filters</b>	2
<b>Envelopes</b>	2
<b>Effects</b>	6 built-in effects
<b>Audio I/O</b>	Line In (3.5mm), Line Out (3.5mm)
<b>MIDI I/O</b>	MIDI In (3.5mm TRS Type A/B), MIDI Out (3.5mm TRS Type A/B)

<b>Other I/O</b>	Clock In (3.5mm), MicroSD Card Slot, USB (for power)
<b>Power Source</b>	USB Powered
<b>Dimensions (Item)</b>	7.6 x 4.85 x 2.15 inches
<b>Weight (Item)</b>	0.58 Pounds
<b>Special Features</b>	Portable, Touchscreen X/Y Control

## 6. WARRANTY INFORMATION

---

The 1010music Nanobox Lemondrop comes with a **2-year warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the official 1010music website or contact customer support.

## 7. SUPPORT

---

For further assistance, firmware updates, or community discussions, please visit the official 1010music website or their user forums. These resources provide valuable information, tips, and support from both the manufacturer and other users.

Official 1010music Website: [www.1010music.com](http://www.1010music.com)