

INDUSTRIAL PRODUCT DATASHEET

XIAO MIDI Synthesizer

XIAO MIDI Synthesizer with hardware and software specifications.

SKU

107990333

UPDATED

2026-07-30 08:34:22

PRICE

\$19.90(Excl. VAT)



Overview



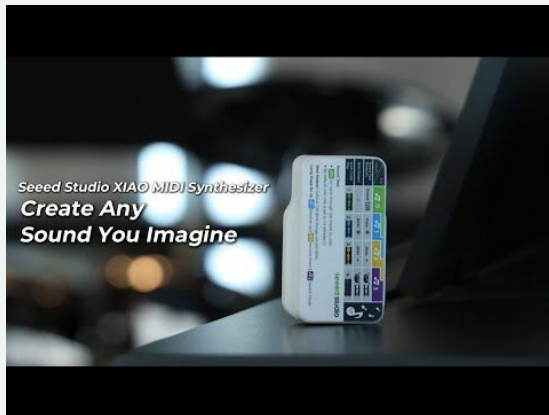
The XIAO MIDI Synthesizer includes hardware specifications and software specifications. Additional application details are not provided.

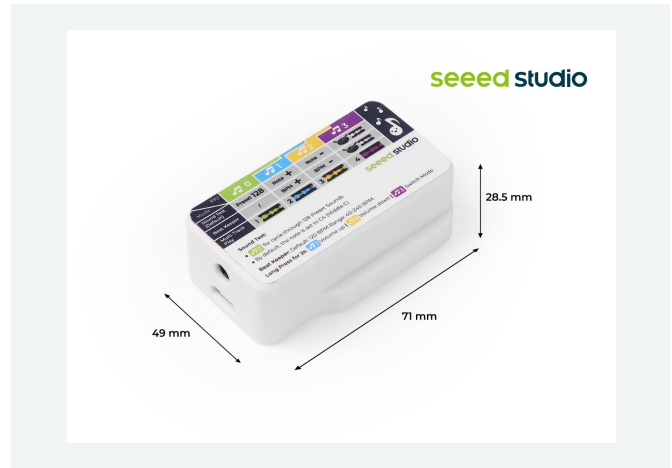
Key Features

Hardware Specifications

Software Specifications

Product Gallery





Specification

Core Module		
MCU		XIAO ESP32-C3
Sound Generation		
MIDI Chip		SAM2695
Polyphony		Up to 64 voices
Instrument Presets		Over 100 different instrument sounds available
Interfaces and Connectivity		
3.5mm Audio Jack		- Used to connect external audio devices (e.g., speakers or headphones) - Features auto-disabling of the Class D amplifier when a cable is inserted and re-enabling when removed
Physical Buttons		Four side-mounted physical buttons for user interaction
XIAO Socket		A dedicated socket designed for the XIAO module, with expansion capability via additional side connectors
D-Class Amplifier		Build-in Speaker
Power and Indicators		
Power Supply		5V Type-C
Indicator LED		A single-color LED used to indicate power status and provide user feedback

Platform Support	Arduino IDE
MIDI Protocol	Standard MIDI protocol 1.0
Operating Modes	
Mode 1: Sound Test	Test audio output, switch between instrument sounds (128 preset options), and adjust notes within a range (21 to 108, with a default C4 at note 60)
Mode 2: Metronome	- Tap-based BPM setting and drum track on/off toggling - BPM Range: 40 to 240 BPM (default of 120 BPM)
Mode 3: Multi-Track Playback	- Each track has an on/off state with user-programmed playback sequences - Manage simultaneous playback across four different sound tracks
Button Functionality	

Short Press

Key	0	1	2	3	
Mode					
Sound Test (Default)	Preset 128	Note +	Note -		
Beat Keeper	/	BPM +	BPM -		
Multi-Track Play	1	2	3	4	

seeed studio

Sound Test:

- **0** for cycle through 128 Preset Sounds
- By default, the note is set to C4 (Middle C)

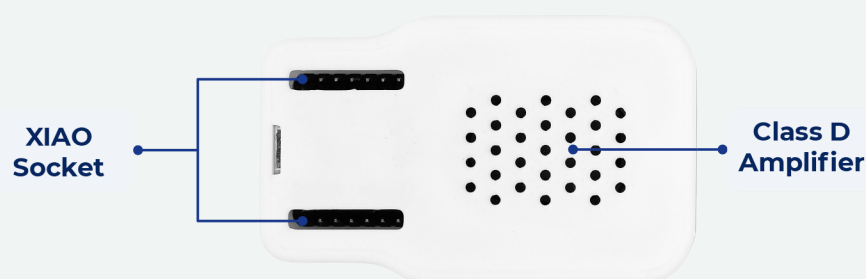
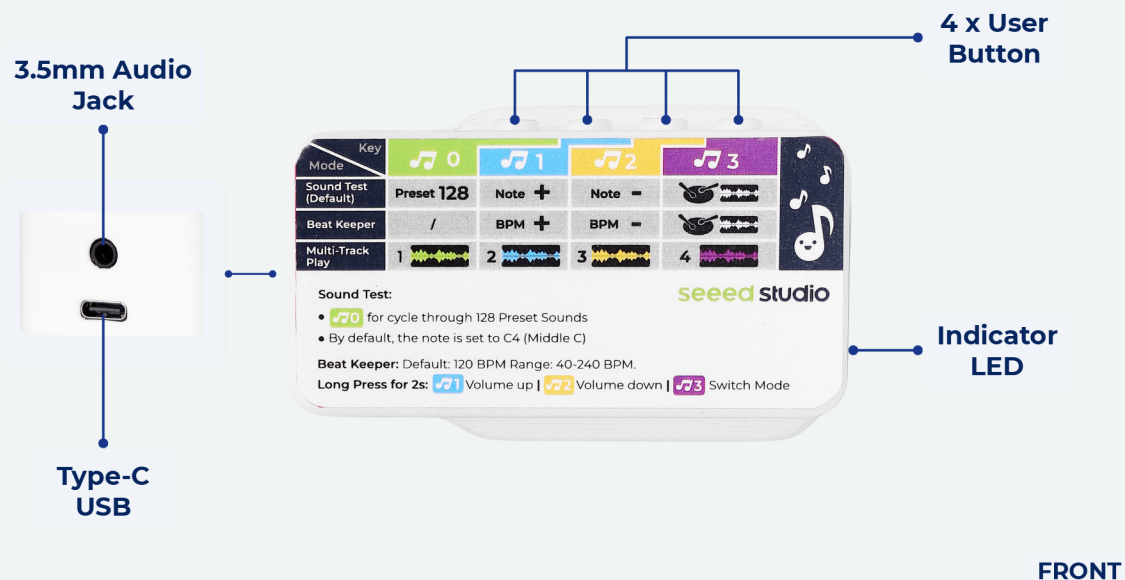
Beat Keeper: Default: 120 BPM Range: 40-240 BPM.

Long Press for 2s: **1** Volume up | **2** Volume down | **3** Switch Mode

Long Press

Used for global volume adjustments and switching between operating modes (detected with a 2-3-second press)

Hardware Overview



Part List

XIAO MIDI Synthesizer with 3D-Printed Enclosure (White)	1
---	---

Compliance & Logistics

HSCODE	9207900090
USHSCODE	9207900080
UPC	
EUHSCODE	9207909000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/XIAO-MIDI-Synthesizer-p-6462.html>
- [3D printed enclosure - Thingiveres](#)
- [3D printed enclosure - Portables](#)

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com