



LoopBOX4 - midi looper

User manual

rev. 1.0 [06.2024]

Important safety instructions:

- Read these instructions and follow them.
- Prevent this device against moisture or spilling liquid inside.
- Clean only with dry cloth.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus producing a lot of heat.
- Protect the power supply cord from being walked on or pinched.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this device during lightning storms or when unused for long periods of time.
- Do not open the device.



DO NOT PLACE THIS PRODUCT INTO THE WASTE CONTAINER !

This device is marked with a cross-lined waste container symbol according to 2002/96/EU Directive on Waste Electric and Electronic Equipment. Such marking informs that after usage equipment can not be trashed together with other household waste. An user obligation is to return wasted equipment to a party collecting wasted electric and electronic equipment. Parties collecting such equipment organise a system, including local collection points, shops and other units, allowing to return such equipment. This Directive assures an user free of charge utilisation of such delivered equipment. This device is

made of materials which can be recycled or utilised after becoming out of use. Proper handling of wasted electric and electronic equipment reduces demand for raw materials and contributes in avoiding harmful consequences for the environment and health of people caused by dangerous components and not proper storing and utilising of such equipment.

Declaration of Conformity

EM Custom S.C., ul. Skłodowskiej-Curie 79B/6, 41-103 Siemianowice Śl., Poland,
declare under sole responsibility, that the following products:

MIDI looper LoopBOX4

conforms with requirements of the EC Council Directives:

2014/30/EU Electromagnetic Compatibility,
2014/35/EU Low Voltage Directive,

and holds the CE mark. Above named product conforms with the following standards:

EN 301 489-1 V2.1.1 (2017-02)
EN 301 489-17 V3.1.1 (2017-07)
EN 300 328 V2.1.1
EN 62368-1:2014
EN 62368-1:2014/Cor.1:2015

Marek Kosiński /owner of the EM Custom S.C./



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FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device contains FCC ID: XPNINAB1 IC: 8595A-NINAB1

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1. Description.

LoopBOX4 is a 4-loop midi controlled, TrueBypass looper.
The audio path is realized on relays, which gives excellent quality to your sound.



sockets:

- Midi IN / OUT,
- Loop1-4 SEND / RET,
- Power supply IN

buttons:

- 4 illuminated LOOP buttons,
- 1 illuminated LEARN button

2. Using the Loopbox.

2.1. Starting up the looper.

- Connect the looper to your midi controller using standard midi cable.
MIDI OUT of your midi controller to the MIDI IN of Loopbox4.
You can connect other midi devices to MIDI OUT of the Loopbox4.
Source midi data will be transmitted to other midi devices in your chain.
- Set a valid midi channel (*chapter 2.3*)
- Set required presets (*chapter 2.4*)

After powering on the looper, all leds will blink once and then go off.

2.2. Working with midi messages.

The looper supports 2 types of MIDI messages:

- Program Change (PC)
- Control Change (CC)

According to the MIDI standard, all midi parameters range from 0 to 127

Program Change messages are used to recall presets (loop configuration) and Control Change messages are used to switch one loop independently from presets.

- Send a valid midi message to switch the looper.

User should send supported PC or CC including valid MIDI channel.

MIDI channel sent from the midi controller to the looper must correspond to MIDI channel set in the looper.

Note: Some manufacturers use the range of 1 – 128. In this case, all of listed below values should be increased by 1.

Example: The controller sends midi messages in the range of 1 – 128.

If you want to switch the looper by PC 0 you should send PC 1 from the midi controller.

2.3. MIDI channel settings.

Default MIDI channel is 1, but it is possible to change it.

Programming midi channel:

- Press and hold the LEARN button till the Learn LED will blink fast.
- Set the midi channel as it was shown in the table below.
- Press the LEARN button again.
- Learn led will go off and midi channel is saved.

Note: Midi channel number 16 is OMNI channel

L4	L3	L2	L1	Channel
○	○	○	○	1
●	○	○	○	2
○	●	○	○	3
●	●	○	○	4
○	○	●	○	5
●	○	●	○	6
○	●	●	○	7
●	●	●	○	8
○	○	○	●	9
●	○	○	●	10
○	●	○	●	11
●	●	○	●	12
○	○	●	●	13
●	○	●	●	14
○	●	●	●	15
●	●	●	●	16

●= ON; ○= OFF

2.4. Programming presets.

- Choose the loop configuration you need to be saved with buttons L1-L4
- Press a LEARN button.
- LEARN led will blink.
- Send valid midi message (Program Change) on corresponding midi channel.
- After receiving a midi message the Loopbox will save a preset.
- The LEARN led goes off.

Repeat these steps for all presets you need.

All 4 loops can be switched separately and independently with Control Change messages. The CC configuration is fixed as below:

Control Change midi message	Loop
CC 80	1
CC 81	2
CC 82	3
CC 83	4

For example:

CC 80 0 = Loop1 is OFF; CC 80 127 = Loop1 is ON

3. Specification.

Power supply: 9V DC, 150mA,

Dimensions: 133 x 62 x 46 mm,

Weight: 350 g

4. Warranty.

EM Custom provides a warranty to the purchaser that this product will provide for a period of 2 years from the date of purchase.

Within the warranty period, the manufacturer will replace your faulty AMI at no charge (except shipping & handling fees in some cases), provided that the product:

- Has been used for the intended purpose and in the manner described in this manual.
- Has not been connected to an unsuitable power source.
- Has not been subjected to misuse or neglect.
- Has not been modified or repaired.
- Has not been damaged further by mechanical shock or atmospheric discharges.

Legal rights are not affected by this warranty.

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