Millenium Drums

Rookie

E-Drum Module

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1   General information

This user manual contains important information on the safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to another user, be sure that they also receive this manual.

Our products and user manuals are subject to a process of continuous development. We therefore reserve the right to make changes without notice. Please refer to the latest version of the user manual which is ready for download under *www.thomann.de*.

1.1 Further information

On our website (*www.thomann.de)* you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings

The letterings for connectors and controls are marked by square brackets and italics.

Examples: *[VOLUME]* control, *[Mono]* button.

Displays

Texts and values displayed on the device are marked by quotation marks and italics.

Examples: *'24ch'* , *'OFF'* .

Instructions

The individual steps of an instruction are numbered consecutively. The result of a step is indented and highlighted by an arrow.

Example:

1. ▶ Switch on the device.

2. ▶ Press *[Auto]*.

⇨ Automatic operation is started.

3. ▶ Switch off the device.

1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
⚠	Warning – danger zone.

2   Safety instructions

Intended use

Drum modules are intended to be used for converting digital trigger signals from drum pads to various percussion sounds. Use the unit only as described in this manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!
Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard! Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke! Never let children unattended use electrical devices.

CAUTION!
Possible hearing damage

With loudspeakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment. Do not operate the device permanently at a high volume level. Decrease the volume level immediately if you experience ringing in your ears or hearing impairment.

!

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations. Only operate the device within the ambient conditions specified in the chapter 'Technical specifications' of this user manual. Avoid heavy temperature fluctuations and do not switch the device on immediately after it was exposed to temperature fluctuations (for example after transport at low outside temperatures). Dust and dirt inside can damage the unit. When operated in harmful ambient conditions (dust, smoke, nicotine, fog, etc.), the unit should be maintained by qualified service personnel at regular intervals to prevent overheating and other malfunction.

!

NOTICE!

External power supply

The device is powered by an external power supply. Before connecting the external power supply, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly the user. Unplug the external power supply before electrical storms occur and when the device is unused for long periods of time to reduce the risk of electric shock or fire.

3   Features

- 68 sounds
- 12 preprogrammed drum kits
- 10 preprogrammed songs
- Metronome
- Automatic shutoff
- USB-C port for the power supply via power adapter or powerbank
- Headphones, AUX IN and USB-MIDI interface
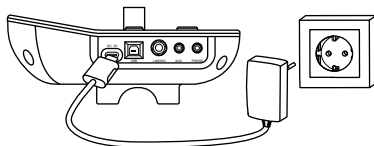- including cabling and power adapter

4 Installation

Setup, connecting pads and pedals

Setup and assembly of the pads and pedals are described in detail in the enclosed assembly guide. Finally, check that all connecting cables are correctly connected between the pads and the drum module.
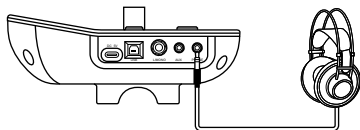
Power adapter

Connect the included power adapter to the *[DC 5 V]* input on the rear panel of the drum module and then put the power plug into the power outlet.

Headphones

Connect your stereo headphones to the *[PHONE]* output socket of the drum module.
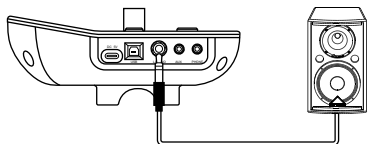

CAUTION!
Possible hearing damage
Using headphones for a prolonged period and at high volume can cause hearing damage.

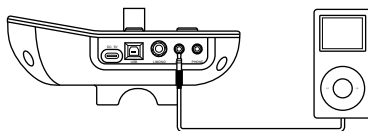Avoid using the device at high volume, especially when using headphones.

External audio devices

Connect the inputs of your mono amplifier, active monitor, mixing console or recording device to the *[L/MONO]* output sockets of the drum module.
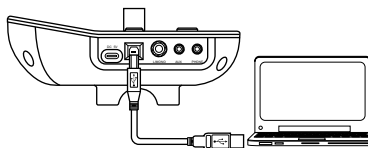
CD or MP3 player

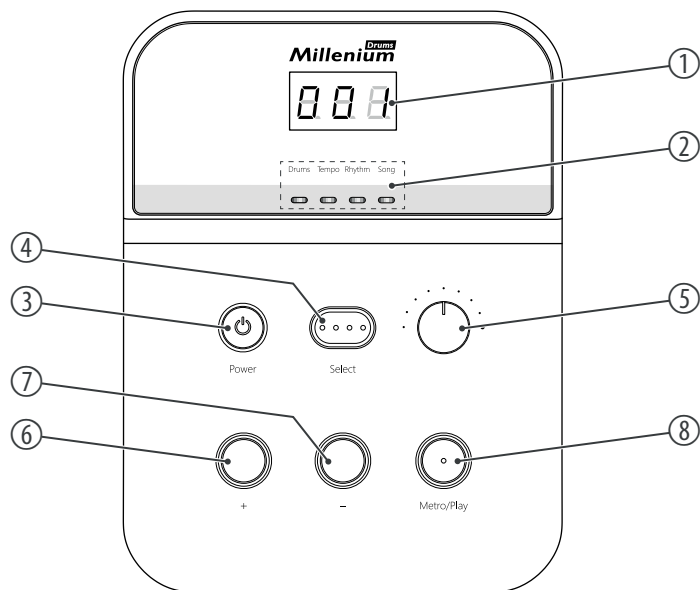Connect a CD or MP3 player to the *[AUX]* input socket of the drum module.

Computer via USB-MIDI

Connect external MIDI devices or your computer to the USB port of the drum module.
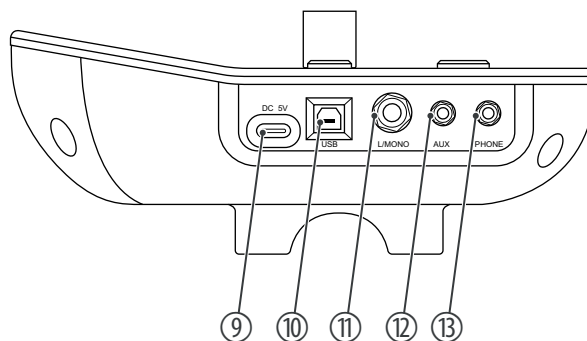
5 Connections and operating elements

Front panel

1	Display
2	Status LEDs
	[Drums] | The LED lights up when the drum kit mode is enabled.
	[Tempo] | The LED lights up while the metronome tempo is being set.
	[Rhythm] | The LED lights up while the metronome rhythm is being set.
	[Song] | The LED lights up when the song mode is enabled.
3	*[Power]* | main switch. Turns the device on and off.
4	*[Select]* | Opens the selection menu, scrolls through the selection menus
5	Volume control for the audio and headphones output of the device.
6	*[+]* | increases the displayed value
7	*[–]* | decreases the displayed value
8	*[Metro/Play]* | turns the metronome on and off

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9	*[DC 5V]*	USB-C port for the power adapter for power supply
10	*[USB]*	USB interface for connection to a computer (MIDI data)
11	*[L/MONO]*	socket for connecting a mono amplifier, an active monitor, a mixing console or a recording device, designed as ¼" phone jack
12	*[AUX]*	socket for external audio devices like MP3 or CD players, designed as 3.5 mm stereo jack socket
13	*[PHONES]*	headphones output, designed as 3.5 mm stereo jack socket

6   Operating

6.1 Functions

Switching on / off

> Check all cable connections for correct fit before switching on.
>
> Before switching on, turn the volume control to minimum.

1. ▶ Press *[Power]* to switch the drum module on.

⇨   The drum module is in drum kit mode. The status LED *[Drums]* lights up.

2. ▶ Press and hold *[Power]* to switch the drum module off.

⇨   The current drum module settings are retained when switching off.

Adjusting the volume

▶ To set the volume, hit a pad while slowly turning the volume control clockwise to increase the volume.

6.2   Selecting and adjusting drum kits

A drum kit is a compilation in which a certain sound and several sound parameters are assigned to each pad. Selecting different drum kits lets you customise the sound of your e-drum set in seconds to the desired music genre.

To select a certain drum kit, proceed as follows:

1. ▶ Press *[Select]* repeatedly until the *[Drums]* LED lights up.

⇨   The display shows the last selected drum kit number, default value *'001'*.

2. ▶ Use *[+]* or *[–]* to select one of the 12 following drum kits:

Display	Name	Display	Name
'001'	Classic	*'007'*	Pop
'002'	Rock	*'008'*	Gospel
'003'	Fusion	*'009'*	Jazz
'004'	Blues	*'010'*	Reggae
'005'	Metal	*'011'*	Concrete
'006'	Funk	*'012'*	Fix

3. ▶ The setting is automatically stored.

6.3   Setting up and using the metronome

Setting the speed

1. ▶ Press *[Select]* repeatedly until the *[Tempo]* LED lights up.

⇨   The display shows the last selected speed, default value *'060'*.

2. ▶ Press *[Metro/Play]* to turn the metronome on. The LED of the button flashes along to the beat, the Click sounds.

3. ▶ Use *[+]* or *[–]* to select a value between 20 bpm (display *'020'*) and 320 bpm (display *'320'*) to adjust the metronome speed.

⇨   The display shows the set speed.

4. ▶ The setting is automatically stored.

Adjusting the volume

1. ▶ Press and hold *[Metro/Play]* while the metronome is enabled to call up the volume setting mode.

⇨   The display shows the last selected volume, default value *'L20'*.

2. ▶ Use *[+]* or *[–]* to select a value between 1 (display *'L-1'*) and 20 (display *'L20'*) to adjust the metronome volume.

⇨   The display shows the set volume.

3. ▶ The setting is automatically stored.

Setting the time signature

1. ▶ Press *[Select]* repeatedly until the *[Rhythm]* LED lights up.

   ⇨ The display shows the last selected time signature, default value *'4- 4'*.

2. ▶ Use *[+]* or *[–]* to select one of the nine time signatures *'1-4'* to *'9-4'*.

   ⇨ The display shows the set time signature.

3. ▶ The setting is automatically stored.

6.4   Playing and accompanying songs

Your drum module provides ten preprogrammed songs. You can play the songs and accompany them on the drum module.

1. ▶ Press *[Select]* repeatedly until the *[Song]* LED lights up.

⇨   The display shows the last selected song number, default value *'S.-1'*.

2. ▶ Use *[+]* or *[–]* to select one of the ten preprogrammed songs:

Display	Name	Display	Name
'S.-1'	Demo 1	*'S.-6'*	Demo 6
'S.-2'	Demo 2	*'S.-7'*	Demo 7
'S.-3'	Demo 3	*'S.-8'*	Demo 8
'S.-4'	Demo 4	*'S.-9'*	Demo 9
'S.-5'	Demo 5	*'S.10'*	Demo 10

3. ▶ The setting is automatically stored.

4. ▶ Press *[Metro/Play]* to play the selected song. Press *[Metro/Play]* again to stop playback.

5. ▶ To switch on the metronome in song mode, press and hold *[Metro/Play]*. To switch off the metronome in song mode, press and hold *[Metro/Play]* again.

6.5   Automatic shutoff

1. ▶ Press and hold *[Metro/Play]* when the drum module is off and press *[Power]* to switch the drum module on and to enable and disable the automatic shutoff.

⇨   The display shows the last set time after which the drum module turns off if inactive, default value *'000'*.

2. ▶ Use *[+]* or *[–]* to select the desired time between 0 (display *'000'*, automatic shutoff disabled) and 240 minutes (display *'240'*).

⇨   The display shows the set time after which the drum module turns off if inactive.

3. ▶ Press *[Metro/Play]* to apply the setting.

6.6   Reset to factory default setting

1. ▶ Press and hold *[Power]* to switch the drum module off.

2. ▶ Press and hold *[Select]* and press *[Power]* to switch the drum module on.

⇨   The display shows *'rSt'*.

3. ▶ Press *[Metro/Play]* to reset the drum module to the factory default setting.

4. ▶ Press and hold *[Power]* to cancel the procedure and to switch the drum module off.

7 Technical specifications

Input connections	Power supply	USB-C port for the power adapter
	USB port	USB-B
	Combined trigger connection	1 × D-sub connector
Output connections	Headphones	1 × 3.5 mm jack socket
	L/Mono	1 × 1/4" jack socket
	Aux	1 × 3.5 mm jack socket
Sounds	68	
Drum kits	12 preset kits	
Demo and practice songs	10 preprogrammed songs	
Power supply	External power adapter, 100 - 240 V ∼ 50/60 Hz	
Operating voltage	5 V ⎓/1 A	
Dimensions (W × H × D)	127 mm × 65 mm × 168 mm	
Weight	335 g	
Ambient conditions	Temperature range	0 ℃…40 ℃
	Relative humidity	20 %…80 % (non-condensing)

Further information

incl. rack	yes
Incl. seat	no
Incl. bass drum pedal	yes
Incl. headphones	no
Mesh Head Pads	yes
Stereo pads	no
Number of direct outputs	0

8   Plug and pin assignments

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment in such a way that a perfect sound experience is ensured.

Please note these advices, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into the socket, an incorrect connection may result in a destroyed power amp, a short circuit or 'just' in poor transmission quality!

Balanced and unbalanced transmission

Unbalanced transmission is mainly used in semi-professional environment and in hifi use. Instrument cables with two conductors (one core plus shielding) are typical representatives of the unbalanced transmission. One conductor is ground and shielding while the signal is transmitted through the core.

Unbalanced transmission is susceptible to electromagnetic interference, especially at low levels, such as microphone signals and when using long cables.

In a professional environment, therefore, the balanced transmission is preferred, because this enables an undisturbed transmission of signals over long distances. In addition to the conductors 'Ground' and 'Signal', in a balanced transmission a second core is added. This also transfers the signal, but phase-shifted by 180°.

Since the interference affects both cores equally, by subtracting the phase-shifted signals, the interfering signal is completely neutralized. The result is a pure signal without any noise interference.

1/4" TRS phone plug (stereo, unbalanced)

1	Signal (left)
2	Signal (right)
3	Ground

Three-pole 1/8" mini phone jack (stereo, unbalanced)

1	Signal (left)
2	Signal (right)
3	Ground, shielding

9   Protecting the environment
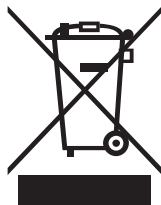
Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

Notes

Notes