

Millenium

R1 12" Metronome
Practice Pad

drum pad

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1 General information

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

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.

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.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can 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

Mobile Drums are used to convert digital trigger signals from drum pads into various drum sounds. Use the device only as described in this user 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.



WARNING!

Incorrect handling of lithium batteries can result in injury

In the event of a short circuit, overheating or mechanical damage, lithium batteries can cause severe injuries.

Follow the advice on the correct handling of lithium batteries in the present section.



NOTICE!

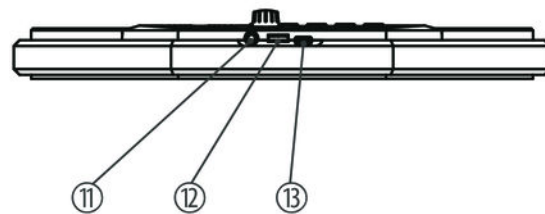
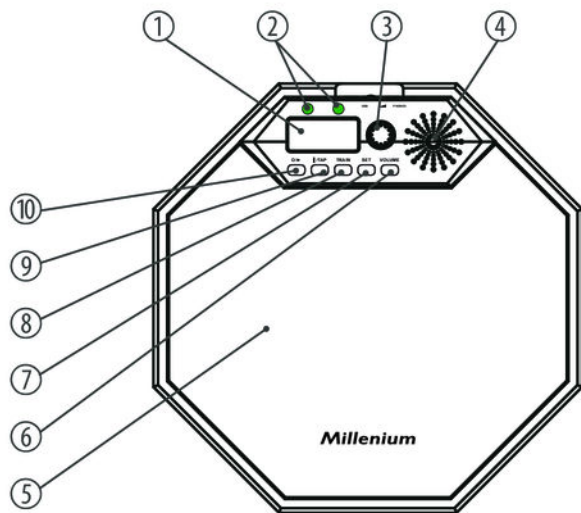
Operating conditions

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.

3 Features

- Built-in metronome (30...250 BPM, all note values)
- Headphones output (3.5 mm stereo phone socket)
- Display
- Beat counter (10...60 seconds)
- Adjustable rhythm (1...8 counting units)
- Speaker
- Micro USB charging socket
- USB cable (included)

4 Operating elements



1	Six-digit display
2	Rhythm display Shows the current rhythm figure
3	Multi-function button To adjust Beat, Tempo, Rhythm, Sound and Volume
4	Speaker
5	Strike area
6	<i>[VOLUME]</i> Button to set the overall volume of the practise pad.
7	<i>[SET]</i> Button for specify the settings.
8	<i>[TRAIN]</i> Enables the Training mode.

9	<i>[TAP]</i> Tap Tempo function
10	<i>[O/▶]</i> On off button / Start / Stop
11	Output socket <i>[OUTPUT]</i> To connect a headphones (with 3.5 mm stereo phone plug)
12	Rotary control <i>[VOLUME]</i> Volume control for headphone output. Turning this control clockwise increases the volume. You reduce the volume by turning counterclockwise.
13	USB socket To connect an external USB device or USB power supply to charge the unit.

5 Device functions

Switching on

Press the On / Off button to turn the device on. *[O/▶]* for several seconds.

Now the configuration menu appears on the display. With *[SET]* and turning the multifunction knob you can adjust the settings for 'BEAT', 'TEMPO', 'RHYTHM', 'SOUND' and 'VOLUME'. Select the desired function with *[SET]* and change it by turning the multifunction knob. With *[O/▶]* you can start and stop the metronome.

Setting the Beat

Select single bars from 0...9. Bars 1...6 are supported by human voice, (in English), bars 7...9 by electronic sound.

Setting the Tempo

Select the desired Tempo in a range from 30...250 bpm.

Setting the Rhythm

You can choose from the following rhythm styles:



Setting the Sound

You can select three different sounds, which can be adjusted with the rotary control. In addition to a human voice, two electronic sounds are also available.

Charge status of the rechargeable battery

When the device is operated with the battery, the charge status is displayed in the menu. If the state of charge is too low we recommend to charge the device via the mini USB port.

Setting the volume

Strike the pad and slowly turn the multifunction knob clockwise until a comfortable volume is reached. When headphones are connected, the volume can also be adjusted via the rotary control on the rear side of the unit.



In the event of a malfunction, switch off the metronome with [O/▶] and restart the device after 30 seconds.

6 Operating the device

Training mode

The device offers a training mode.

Use *[TRAIN]* to see the desired menu. Here, the number of beats in a defined time interval are captured. The time interval can be set between 10...60 using the multifunction knob and is counted to 0 during the exercise. Pressure-dependent sound effects are controlled in real-time and fall silent as soon as the pressure drops.

Metronome mode

If you have made the appropriate setting in the main menu, you can use the *[O/▶]* button to start the Metronome function. Bars 1...6 are supported by human voice, (in English), bars 7...9 by electronic sound.

TAP mode

Strike the exercise pad to determine the average speed of the strokes. The average value is displayed as beats per minute (BPM) on the display.

The value is incremented by a repeated hitting.

7 Technical specifications

Display	Six-digit LED display
Dimensions (W × H × D)	27.8 cm × 2.8 cm × 27.8 cm
Connections	Headphones output (3.5 mm stereo phone socket)
	Micro USB
Voltage supply	via micro USB socket
	via battery: rechargeable Lithium battery (600 mAh)
Weight	1.6 kg

8 Plug and connection assignment

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.

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



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

9 Cleaning

Components

Clean the accessible parts of the device regularly. The frequency of cleaning depends on the operating environment: moist, smoky or particularly dirty environments may cause a higher accumulation of dirt on the components of the device.

- Use a dry soft cloth for cleaning.
- Remove stubborn stains with a slightly damp cloth.
- Never use cleaners containing alcohol or thinner.
- Never put any vinyl items on the device, as vinyl can stick to the surface or lead to its discolouration.

10 Protecting the environment

Disposal of the packaging material



For the 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 batteries



Batteries do contain some hazardous chemicals so they should not be thrown away with the normal household waste. They should be returned to the manufacturer for disposal or recycled elsewhere in accordance with your local regulations.

Remove lithium batteries from the device before disposal. Protect used lithium batteries against short circuit, for example by taping the poles.

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.

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