

MM3 MusicMeter

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Thank you for choosing the MM3 MusicMeter. Please carefully **read** the safety instructions, **understand** them and **act** as requested to prevent any hazards or not to violate any laws. The detailed operating manual is available from our web site.

Safety Instructions

The following symbols may be marked on the panels or covers of equipment or module and are used in this manual and the detailed operating manual (available online) with these terms:



WARNING!

This symbol alerts you to a potentially hazardous condition, such as the presence of dangerous voltage that could pose a risk of electrical shock. Refer to the accompanying Warning Label or Tag, and exercise extreme caution.



ATTENTION!

This symbol alerts you to important operating considerations or a potential operating condition that could damage equipment. If you see this marked on equipment, consult the operating manual for precautionary instructions.



NOTE

This symbol points your attention to specific characteristics that are no malfunctions.

Important Safety Instructions

- **Read** these instructions. Study carefully and understand all safety and operating instructions **before** you install and operate the unit!
- **Keep** these instructions. Keep all safety and operating instructions for future reference!
- As part of the intended use, **heed** all warnings on the unit and in the safety and operating instructions before you install and operate the unit!
- Always **follow** all instructions to ensure against injury to yourself and damage to the unit or other objects connected to the unit.



To prevent possible electrical shock, death, fire, injuries and malfunctions, use this product only as specified.
Only use attachments and accessories specified by the manufacturer.
The units of the MM3 MusicMeter are designed for indoor use only and may only be operated with a power supply unit provided for it.



WARNING!

Always follow the safety precautions below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire, or other hazards. These precautions include, but are not limited to, the following:

- Do **not** open the housing. Inside, there are no user-serviceable parts. Any necessary servicing shall be performed by a properly qualified technician.
- Do **not** attempt to repair any part of the unit. Repairs shall only be carried out by qualified personnel.
- **Never** remove any parts from the unit and do not make any modifications to the unit without the express written consent of RTW. Modifications can cause both safety hazards and affect the unit's conformity and certifications.
- **Only** use with the delivered and approved USB connecting cable and the delivered and approved power supply model SYS 1561-1105-W2E USB, manufactured by Sunny Computer Technology Co., Ltd., which both are specified for this product.
- Removing the USB connecting cable disconnects the product from the power supply coming from a computer or the external power supply. Do **not** block the USB cable or the power supply; it must remain accessible to the user at any time.
- Connect and disconnect properly. Use **only** connectors specified for this product and fix them tight before use.
- **Observe** all terminal ratings and markings on the product. Consult the operating manual for further ratings information before making connections to this product.
- Do **not** apply a potential to any terminal that exceeds the maximum rating of that terminal.
- **Avoid** exposed circuitry. Do not touch exposed connections and components when power is present.
- Turn off and **disconnect** the power supply immediately if the unit produces unusual smells, noises or smoke, or if foreign substances (e. g. liquids) or foreign objects enter the unit.
- The unit shall **not** be exposed to excessive heat such as sunshine, fire, or similar.
- Do **not** cover the unit and do not place any objects or anything containing liquids on it.
- Do **not** insert your fingers or any other objects into the housing.
- Do **not** operate without cover plates or panels.
- Do **not** operate with suspected failures. If you suspect there is damage to the unit, have it inspected by qualified service personnel.
- Do **not** use this apparatus near water.
- Do **not** operate in wet/damp conditions.
- Do **not** operate in explosive atmosphere.
- Do **not** operate in dusty environments.



ATTENTION!

Always follow the safety precautions below to avoid the possibility of physical injury to you or others, or damage to the unit or other property. These precautions include, but are not limited to, the following:

- Do **not** block any ventilation openings. Install in accordance with the manufacturer's instructions to prevent the internal temperature from becoming too high.
- Do **not** install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Also keep away the unit from direct incident solar radiation.
- Keep product surfaces **clean** and **dry**. Clean only with dry cloth.
- **Never** use any solvent based liquids for cleaning the housing surfaces and the display.
- Do **not** place the unit in an unstable position where it might accidentally fall over.
- Before connecting any devices to the unit make sure that the power supply is **disconnected**.
- **Protect** the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- **Unplug** this apparatus during lightning storms or when unused for long periods of time.
- Before moving the unit, **remove** all connected cables.
- When transporting or moving the unit, always take care **not** to scratch or damage the housing surfaces and the display.
- Refer all servicing to **qualified** service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Environmental Considerations

Observe the following information about the environmental impact of the product and the following guidelines when recycling an instrument or component (product end-of-life handling):

- **Equipment Recycling**
Production of this equipment required the extraction and use of natural resources. The equipment may contain substances that could be harmful to the environment or human health if improperly handled at the product's end of life. In order to avoid release of such substances into the environment and to reduce the use of natural resources, we encourage you to recycle this product in an appropriate system that will ensure that most of the materials are reused or recycled appropriately.
- **Restriction of Hazardous Substances**
These instruments comply with and fall under category 9 Monitoring and control equipment of the regulations of the Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment of the European Parliament and Council from June 8th, 2011. This product may contain lead, cadmium and/or mercury in slight quantities. Please dispose of or recycle the electronic parts or devices according to your local government regulations.

Intended Use

Under the consideration of the listed safety instructions, MM3 MusicMeter is used to measure, display and monitor analog and digital 2-channel Stereo audio signals as well as 2-channel and 5.1 Surround USB audio signals coming from different sources. Therefore, typical views with different instrument combinations for optimized reading can be selected. Any other use than described here is not permitted.

Installation

The MM3 MusicMeter unit is designed for free positioning on tables, desks, et. al. It consists of a unit with 4.3 inch touch screen and many capabilities of connecting. Power supply for the unit is supplied through the USB 2.0 Micro-B connector using the delivered USB connecting cable, which is connected to a computer or to the delivered external USB mains adapter. Use with power supply model SYS 1561-1105-W2E USB, manufactured by Sunny Computer Technology Co., Ltd. .



ATTENTION! – Please read before installing:

- **Before** installing the unit please study the safety instructions and the information on connection and pin assignment.
- Make sure that the delivered USB cable is **not** connected to a computer or the external USB mains adapter.
- Place the unit at a **suited** place. It shall be positioned securely on a flat surface. Please take care about a good guiding of the connected cable.
- Connect unbalanced signal sources to the RCA connectors.
Signal lines with RCA connector shall have a ferrite core at the end being connected to MM3 MusicMeter.
- Connect the Micro-B connector of the USB cable to the USB connector of the unit.
- If you want to use the mains adapter for power supply, **finally** connect the USB A connector of the USB cable to the corresponding USB connector of the external USB mains adapter. Connect the power supply to mains.
- If you want to use the computer for power supply, **finally** connect the USB a connector of the USB cable to a corresponding USB connector of a computer.
- If you want to use the USB connection for audio signals instead of RCA, define MM3 MusicMeter as the standard audio device or install RTW USB Connect software on your computer (on Windows® systems an audio driver has to be installed).
- The MM3 MusicMeter will initiate its system startup sequence. After confirmation of the initial setting requests the unit is ready for use.

RTW MM3 MusicMeter

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WEEE Reg.-no.: DE 90666819
RoHS Conformity: These instruments comply with and fall under category 9 Monitoring and control equipment of the regulations of the Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment of the European Parliament and Council from June 8th, 2011.



NOTE – The latest detailed operating manual (including CE and RoHS declarations) and available firmware updates can be found under **Audio Monitors/MM3** at members download area of our web site:
<https://www.rtw.com/en/support/manuals-software.html>.

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