

MP1

media player

th•mann
MUSIC IS OUR PASSION

user manual

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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'*.

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 – high-voltage.

Warning signs	Type of danger
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to playback audio files. 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 sufcient 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.



DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers. There are no user-serviceable parts inside. Do not use the device if covers, protectors or optical components are missing or damaged.



DANGER!

Electric shock caused by short-circuit

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.



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!

Risk of fire

Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.

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!

Power supply

Before connecting the device, 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 injure the user. Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

NOTICE!

Possible damage due to installation of a wrong fuse

The use of different types of fuses can cause serious damage to the unit. Fire hazard! Only fuses of the same type may be used.

NOTICE!

Risk of fire due to incorrect polarity

Incorrectly inserted batteries may destroy the device or the batteries. Ensure that proper polarity is observed when inserting batteries.

NOTICE!

Possible damage by leaking batteries

Leaking batteries can cause permanent damage to the device. Take batteries out of the device if it is not going to be used for a longer period.

NOTICE!

Possible staining

The plasticiser contained in the rubber feet of this product may possibly react with the coating of your surface and after some time cause permanent dark stains. In case of doubt, do not put the rubber feet directly on the surface and use a suitable underlay if necessary, i.e. felt-pad floor protectors or similar.

3 Features

This media player is suitable for use in clubs, bars, night clubs and on stages.

Special features of the device:

- CD / USB player with anti-shock function for uninterrupted playback in the event of vibrations
- Switchable autoplay
- Speed adjustment by ± 20%
- Infrared remote control (included)
- USB playback formats: MP3 and WMA
- CD formats: CD, CD-R, CD-RW, MP3 disk
- Max. size of USB medium: 64 GB
- Outputs: XLR and RCA
- 19" rack housing (1 RU)

4 Installation

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the product against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

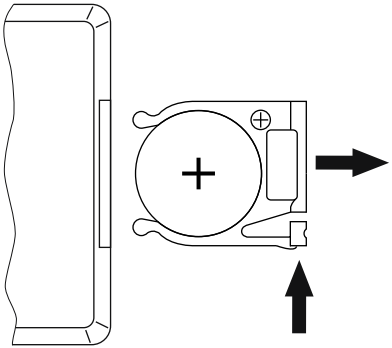
Create all connections while the device is off. Use the shortest possible high-quality cables for all connections. Take care when running the cables to prevent tripping hazards.

Rack mounting

The unit has been designed for rack mounting in a standard 19-inch rack; it occupies one rack unit.

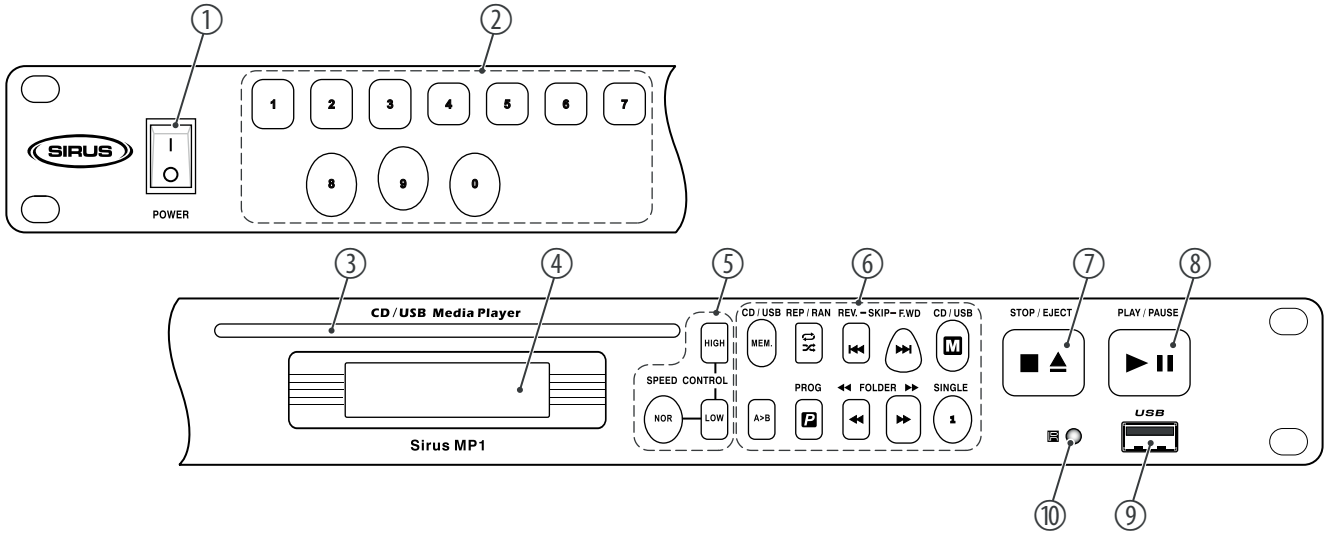
Insert the battery into the remote control

Push the lock of the battery holder towards the centre of the housing and pull out the battery holder like a drawer. Insert the battery. The battery is correct, if the positive pole points to the housing bottom of the remote control. Slide the battery holder back into the remote until it clicks into place.



5 Connections and operating elements

Front panel

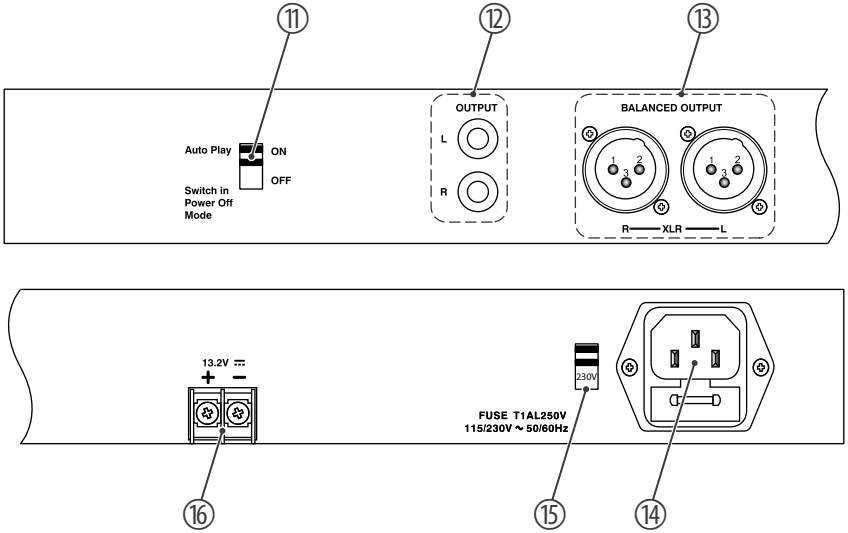


1	*[POWER]*	Main switch to turn the device on and off
2	Number buttons *[1]…[0]*	Direct selection of a desired title
3	Disc slot	Carefully insert the disc to be played half way in here. It will then be drawn in automatically.
4	Display	
5	*[SPEED CONTROL]*	
	[LOW]	Slows down the playback speed. Press *[LOW]* once to show the speed on the display (display shows *'PH -- 01'*). Press *[LOW]* repeatedly to slow down the playback speed. There are 10 levels of speed control.
	[HIGH]	Speeds up the playback speed. Press *[HIGH]* once to show the speed on the display (display shows *'PH 01'*). Press *[HIGH]* repeatedly to speed up the playback speed. There are 10 levels of speed control.
	[NOR]	Press *[NOR]* to reset to normal playback speed.
6	*[CD / USB] / [MEM]*	Press *[MEM]* to call up the hotkey mode. Press one of the number buttons *[1]…[0]* for several seconds to save the currently playing track on it. Press *[MEM]* again to exit hotkey mode.

	[REP / RAN]	Button for repeating tracks or playing tracks in random order. Press once to repeat the currently played track (display shows *'REPEAT ONE'*). Press twice to repeat all tracks of a folder (MP3 format) (display shows *'REPEAT FOLDER'*). Press three times to repeat all tracks (display shows *'REPEAT ALL'*). Press four times to play the tracks in random order (display shows *'RANDOM ON'*). *[Press REP / RAN]* again to exit (display shows *'RANDOM OFF'*).
	[REV. - SKIP - F.WD] / ⏮ / ⏭	Skip back button ⏮. Press ⏮ briefly to skip to the previous track. Press and hold ⏮ to start searching backwards.
		Skip ahead button ⏭. Press ⏭ briefly to skip to the next track. Press and hold ⏭ to start searching forward.
	[CD / USB] / *[M]*	Selection of CD or USB mode
	[SINGLE] / *[1]*	Press *[1]* once (display shows *'SINGLE ONE'*) so that only the current track is played. Playback is then paused and the display shows the next track. Press *[1]* again to exit the mode (display shows *'SINGLE OFF'*).
	◀◀ *[FOLDER]* ▶▶	Press ◀◀ to skip to the previous folder (MP3 format). Press ▶▶ to skip to the next folder (MP3 format).

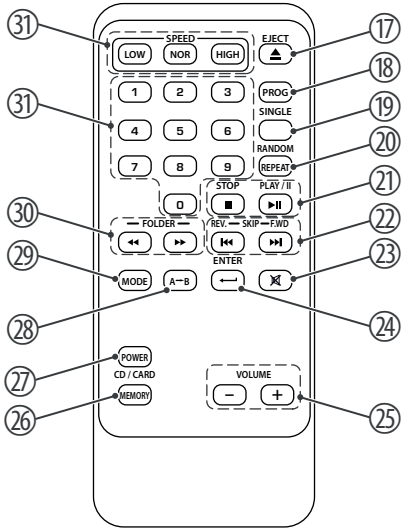
	[PROG] / [P]	Saving a custom playlist Press *[P]* (display shows *'PROGRAM'*). Press ◀◀ or ▶▶ (MP3 format) to select a folder and ⏮ or ⏭ to select a track. Confirm with *[P]*. Repeat these steps for further tracks. Press ⏯ to play the saved playlist (display shows *'MEM'*). Press *[P]* again to exit the mode.
	[A>B]	Specifies a section of a track to be repeated Press *[A>B]* to set the starting point. *'A>'* is flashing in the display. Press *[A>B]* again to set the end point. The specified section is played repeatedly (display shows *'A>B'*). Press *[A>B]* again to exit the mode.
7	*[STOP / EJECT]* / ■ / ⏏	Stops playback and ejects the inserted disc
8	*[PLAY / PAUSE]* / ⏯	Press once to start playback, press again to pause, press again to resume
9	USB port	
10	*[R]*	Sensor for receiving remote control signals. When using the remote control, point it at the device. Do not place any objects in front of the device in this area and do not stick any stickers over the sensor, otherwise the remote control will be obstructed.

Rear panel


11
12
13
Auto Play
ON
OFF
Switch in
Power Off
Mode
OUTPUT
L
R
BALANCED OUTPUT
1
2
3
R
XLR
L
13.2V
+
−
230V
FUSE T1AL250V
115/230V ~ 50/60Hz
16
15
14

11	*[Auto Play] / [ON] / [OFF]*	Sliding switch for switching between automatic and manual mode. Can only be operated when the device is switched off.
	[ON]	Once an audio source is connected, playback starts automatically.
	[OFF]	Once an audio source is connected, you can start playback with ▶II.
12	*[OUTPUT] / [L] / [R]*	Unbalanced RCA output. Here you can connect e.g. the line input of a mixer, amplifier or similar device using a RCA cable.
13	*[BALANCED OUTPUT]*	Balanced XLR output. Here you can connect e.g. the line input of a mixer, amplifier or similar device using XLR cables.
14	IEC chassis plug for the power supply. Connect the device to a grounded power outlet using the supplied power cord.	
15	Sliding switch to toggle the supply voltage	
16	*[13.2V]*	Screw terminal block for the alternative power supply with 13.2 V ⎓.

Remote control



17	*[EJECT]* / ⏏	Ejects the inserted disc
18	*[PROG]*	Saving a custom playlist Press *[P]* (display shows *'PROGRAM'*). Press ◀◀ or ▶▶ (MP3 format) to select a folder and ⏮ or ⏭ to select a track. Confirm with *[P]*. Repeat these steps for further tracks. Press ⏯ to play the saved playlist (display shows *'MEM'*). Press *[P]* again to exit the mode.
19	*[SINGLE]*	Press *[SINGLE]* once (display shows *'SINGLE ONE'*) so that only the current track is played. Playback is then paused and the display shows the next track. Press *[SINGLE]* again to exit the mode (display shows *'SINGLE OFF'*).
20	*[RANDOM]* / *[REPEAT]*	Button for repeating tracks or playing tracks in random order. Press once to repeat the currently played track (display shows *'REPEAT ONE'*). Press twice to repeat all tracks of a folder (MP3 format) (display shows *'REPEAT FOLDER'*). Press three times to repeat all tracks (display shows *'REPEAT ALL'*). Press four times to play the tracks in random order (display shows *'RANDOM ON'*). *[REP / RAN]* again to exit (display shows *'RANDOM OFF'*).
21	*[STOP]* / ■	Ends playback
	[PLAY /] / ⏸ / ⏯	Press once to start playback, press again to pause, press again to resume

22	*[REV. - SKIP - F.WD]* / ⏮ / ⏭	Skip back button ⏮. Press ⏮ briefly to skip to the previous track. Press and hold ⏮ to start searching backwards. Skip ahead button ⏭. Press ⏭ briefly to skip to the next track. Press and hold ⏭ to start searching forward.
23	🔇	Muting or unmuting respectively.
24	*[ENTER]* / ↵	After selecting a desired track using the numeric buttons, press ↵.
25	*[VOLUME]* / *[–]* / *[+]*	Setting the volume
26	*[CD / CARD]* / *[MEMORY]*	Press *[MEMORY]* to call up the hotkey mode. Press one of the number buttons *[1]*…*[0]* for several seconds to save the currently playing track on it. Press *[MEMORY]* again to exit hotkey mode.
27	*[POWER]*	Turns the device on and off
28	*[A]→[B]*	Specifies a section of a track to be repeated Press *[A]→[B]* to set the starting point. *'A>'* is flashing in the display. Press *[A]→[B]* again to set the end point. The specified section is played repeatedly (display shows *'A>B'*). Press *[A]→[B]* again to exit the mode.
29	*[MODE]*	Selection of CD or USB mode

30	*[FOLDER]* / ◀◀ / ▶▶	Press ◀◀ to skip to the previous folder (MP3 format). Press ▶▶ to skip to the next folder (MP3 format).
31	Number buttons *[1]*… *[0]*	Direct selection of a desired title
32	*[SPEED]*	
	[LOW]	Slows down the playback speed. Press *[LOW]* once to show the speed on the display (display shows *'PH -- 01'*). Press *[LOW]* repeatedly to slow down the playback speed. There are 10 levels of speed control.
	[NOR]	Press *[NOR]* to reset to normal playback speed.
	[HIGH]	Speeds up the playback speed. Press *[HIGH]* once to show the speed on the display (display shows *'PH 01'*). Press *[HIGH]* repeatedly to speed up the playback speed. There are 10 levels of speed control.

6 Technical specifications

Input connections	Power supply	IEC chassis plug C14
		Screw terminal block 13.2 V ⎓ (alternative)
	Audio signal	1 × USB connections (max. 64 GB)
		1 × CD player
Output connections	Line	2 × XLR plug
		2 × RCA socket
Playback speed control range	± 20 %	
USB playback formats	MP3 and WMA	
CD formats	CD, CD-R, CD-RW, MP3 disk	
Frequency response	20 Hz … 20 kHz	
Signal-to-noise ratio	50 dB @ 1 kHz	
Output level	0.9 V @ 1 kHz ± 2 dB	

Power consumption	45 W	
Supply voltage	115/230 V ~ 50/60 Hz	
Battery remote control	Lithium-ions button cell CR2025	
Fuse	5 mm × 20 mm, 1 A, 250 V, slow-blow	
Dimensions (W × H × D)	483 mm × 44 mm (1 RU) × 238 mm	
Weight	3.2 kg	
Ambient conditions	Temperature range	0 °C…40 °C
	Relative humidity	20 %…80 % (non-condensing)

Further information

Design	19" rack-mountable
MP3-capable	yes
Digital output	No
Master tempo	No
AntiShock	yes

7 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

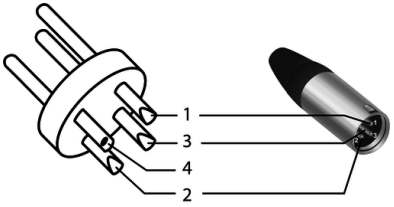
Unbalanced transmission is mainly used in semi-professional environment and in hifi use. Instrument cables with two conductors (one core plus shielding) are typical representatives of the unbalanced transmission. One conductor is ground and shielding while the signal is transmitted through the core.

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°.

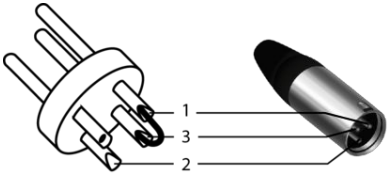
Since the interference affects both cores equally, by subtracting the phase-shifted signals, the interfering signal is completely neutralized. The result is a pure signal without any noise interference.

XLR plug (balanced)



1	Ground, shielding
2	Signal (in phase, +)
3	Signal (out of phase, –)
4	Shielding on plug housing (option)

XLR plug (unbalanced)



1	Ground, shielding
2	Signal
3	Bridged to pin 1

RCA connection

Drawing and table indicate the pin assignment of an RCA plug.



1	Signal
2	Ground, shielding

8 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 must not be thrown away or incinerated; they must be disposed of in accordance with local regulations for the disposal of hazardous waste. Use the existing collection points for this.

Only dispose of lithium batteries when they are discharged. Remove replaceable lithium batteries from the device before disposal. Protect used lithium batteries against short circuits, for example by covering the poles with adhesive tape. Permanently built-in lithium batteries must be disposed of together with the device. Please inquire about an appropriate collection point.

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.