Gadhouse



MATHIS

USER MANUAL

<u>CONTENT</u>

Introduction	04
Safety Information	05
Specification	09
Accessories included	10
Product Description	11
Getting started	12
Initial Set Up	12
Cartridge Down Force Adjustment	12
Operation	14
INPUT	14
Turntable Function (LP)	14
OUTPUT	15
Bluetooth Transmitter	15
Connection to Amplifier	15
Stereo System Connection	16
USB-Encoding	16
Troubleshooting guide	17
Cartridge Replacement	18
Maintenance and Care	19
Contacting customer service	20

INTRODUCTION Thank you for purchasing MATHIS Turntable.

To assure maximum satisfaction from this product, please read the information and follow the instructions presented in this manual. Please keep the manual in an accessible location for future reference.

We suggest that you save all the packaging materials for possible future storage, moving or shipping.

Caution: To avoid stylus damage, make certain the included stylus guard is in place whenever the turntable is being installed, moved or cleaned.

SAFETY INFORMATION

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EX-TENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLEPARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with a dry cloth.

7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not defeat the safety purpose of the polarized or grounding plug.
 A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the





third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

 Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
 Unplug this apparatus during lightning storms or when unused for long periods of time.

14. 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.

15. Where a mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

16. Please keep the unit in a good ventilation environment.

17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on apparatus.

18. The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

19. Unplug this product from wall outlets and refer servicing to qualified service personnel under the following conditions:

When the power supply cord or plug is damaged.

If liquid has been spilled, or objects have fallen into the product.

If the product has been exposed to rain or water.

If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

SAFETY INFORMATION

FOR U.S. MODELS Federal Communications Commission (FCC) Compliance Notice

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.

NOTE: 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 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.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FOR EUROPEAN MODELS Declaration of Conformity

This product conforms to all applicable EU directive requirements. We declare, under our sole responsibility, that this product complies with the standards:

- Safety

- Limits and methods of measurement of radio disturbance charac teristics

Limits for harmonic current emissions

- Limitation of voltage changes, voltage fluctuations and flicker
- EU RoHS Directive, 2011/65/EU



SPECIFICATIONS

MATHIS'S TURNTABLE

Power	AC power adaptor, DC output 12V/ 500mA
Power Consumption	5W
Turntable Speed	33 1/3, 45 RPM
Speed Variance	±1%
Wow and Flutter	< 0.15%
Signal to Noise	55dB
Downforce Range	0-2.2g
Effective Tonearm Length	8.6"(218.5mm)
Overhang	0.73"
Turntable Dimensions (W X H X D)	420 X 360 X 125 mm with lid open 420 X 410 X 420 mm
Weight	6.1kgs

MATHIS'S NEEDLE: AUDIO TECHNICA AT-VM95E

Frequency Response	20Hz - 20kHz
Channel Balance Channel Separation	<2.0dB >20dB
Output Voltage	4.0mV
Recommended Load Resistance	47kΩ
Amplifier connection	MM - input
Recommended Tracking Pressure	2.0±0.2g
Weight	6.1g

ACCESSORIES INCLUDED

Before throwing away any packaging materials, please check thoroughly and make sure you find the following items that come along with this package:

- 1. Turntable
- 2. Turntable Lid
- 3. Turntable Slip Mat
- 4. Turntable Platter
- 5. Tonearm Counterweight
- 6. 45 RPM adapter
- 7. Turntable Belt
- 8. Belt Hook
- 9. Cartridge Alignment Protractor
- 10. Anti-skating function
- 11. Instruction Manual
- 12. Power Adaptor
- 13. USB Cable
- 14. Warranty Card
- 15. Story Card

* Please retain the original packaging materials for exchange or return purposes

PRODUCT DESCRIPTION

- 1. Counterweight
- 2. Anti-skating Stick
- 3. Turntable Platter
- 4. Tonearm Lift Lever
- 5. Tonearm Rest
- 6. Tonearm
- 7. Turntable Hub
- 8. Removeable Headshell
- 9. 33/45 RPM Selector





10.	Lid
11.	Lid Hinge
12.	Ground Connector

- 13. PHONO & Line Out Jacks
- 14. PHONO & Line Out Switch
- 15. Anti-skating Weight
- 16. USB-PC Port
- 17. AC-DC Power Jack
- 18. Bluetooth Status
- 19. Power Switch

GETTING STARTED

INITIAL SETUP

- 1. Place the unit on a flat and level surface. The selected location should be stable and free from vibration.
- 2. Install the turntable lid to the hinges.
- 3. Remove the tie-wrap that is holding the tonearm.
- 4. Put the drive belt around the Turntable Hub, and then use the provided belt hoot to help pull the belt to fit around the slot of motor pulley.
- 5. Place the turntable platter through the turntable spindle.
- 6. Place the slip mat on top of the turntable platter.
- 7. Slide **Tonearm Counterweight** onto tonearm and twist it lightly onto the rear shaft of the tonearm.
- 8. Adjust the counterweight to set proper stylus pressure.
- 9. Connect the adaptor to the **Power Jack** of the unit.

NOTE: Do not plug the AC power adaptor to power outlet before all the assembly is completed. Before turning the power on, make sure again all the connection setting are correct. Always turn off the power when connecting or disconnecting.

CARTRIDGE DOWN FORCE ADJUSTMENT



The Counterweight supplied is suitable for cartridges weighing between 3.0-6.0g. Gently push and turn the Counterweight onto the rear of the tonearm (with the scale facing toward the front of the turntable). Remove the cartridge protection cap. Lower the tonearm lift and position the cartridge in the space between tonearm rest and platter.Carefully rotate the Counterweight until the tonearm balances out. The tonearm should return to the balanced position if it is moved up or down. This adjustment must be done carefully.



Once the tonearm is correctly balanced return it to its' rest. Hold the Counterweight without moving it, and gently rotate the Down force Scale ring until the zero is in line with black line on the rear of the tonearm. Check whether the arm still balances out.



Rotate the counterweight counter clockwise (seen from the front) to adjust the down force according to the cartridge manufacturer's recommendations. One mark on the scale represents 0.05g of down force.



NOTE: The recommended down force for the factory fitted cartridge is 1.8-2.2g (Model: AT-VM95E)

ANTI-SKATE FORCE ADJUSTMENT

The anti-skating force must be adjusted corresponding to the tracking force as follows:

Tracking Force	Groove in the stick	
5-10 mN	1st from bearing ring	
10-15 mN	2nd from the bearing ring	
15-20 mN	3rd from the bearing ring	
20mN and bigger	4th from the bearing ring	

1.Slip the loop of the anti-skating weight's thread over the **3rd** groove of the stick to set correct anti-skating force for the factory-fitted cartridge.

2.Feed the thread through the loop of the wire hanger.





OPERATION

INPUT

Turntable Function (LP)

- 1. Press the Power Switch to turn on the power.
- 2. Place the record on the turntable. Use the 45 RPM Adapter if necessary.
- Remove the stylus protector from the stylus assembly. Note: To avoid stylus damage, make certain the included stylus guard is in place whenever the turntable is being moved or cleaned.
- 4. Open the tonearm clip from left to right.
- 5. Gently pull up the tonearm from its rest and move it over the record where play is desired to begin. Use the Tonearm Lift Lever to raise the Tonearm Lift and let the tonearm sit on it.

Note: The platter will auto start when the Tonearm leave the its rest

- 6. Set the Tonearm Lift Lever back to the down position, the tonearm will descend slowly onto the record and begin playback.
- 7. When the record is finished playing, use the Tonearm Lift Lever to raise the tonearm and then return it to the tonearm rest. To suspend the playback, repeat the same steps.

OUTPUT

1. Bluetooth Transmitter Operation

This turntable has a Bluetooth transmitter to wirelessly send audio to Bluetooth speaker.

- 1. Power on your Bluetooth speaker and ensure it is in pairing mode.
- 2. Power on the turntable. BT will auto search when the turntable turns on and the BT LED indicator light will flash.
- 3. When pairing, the light will flash twice per second and will become solid when paired successfully.
- 4. To disconnect pairing, power off the turntable to turn off Bluetooth pairing on your Bluetooth speaker.
- 5. This turntable will connect to the nearest Bluetooth speaker. If after 2 minutes no Bluetooth speaker can be found to pair with, the Bluetooth transmitter will become inactive and the LED will turn off. If you need to connect again, power off the turntable and the speaker then power on again.

Bluetooth Indicator	Bluetooth Status
Flash	Auto searching and pairing
Solid	Paired successfully
Off	Inactive

2. Connection to the Amplifier

This turntable uses a moving magnetic cartridge. Set the PHONO & Line Out Switch on PHONO Position. Connect the phono out cables to the phono input on your amplifier of pre-amplifier (phono stage). Line inputs such as CD, Tuner, Tape, or Video are not suitable for phono inputs. Make sure the amplification of the selected input matches the type of cartridge being used. The factory installed cartridge is 47k ohms/MM-input.

NOTE: If your amplifier does not have an input suitable for phono cartridges, you will need to purchase a separate phono amplifier for moving magnetic cartidges. This separate phono amplifier will then connect between your turntable and your amplifier.

3. Stereo System Connection

Set the PHONO & Line Out Switch on LINE mode. The RCA PHONO & Line Out Jacks output analog line-level signals and could be connected directly with a par of active/powered speakers of the appropriate input of your stereo system.

The Red plug connects with the Right channel and the White plug connects with the Left channel.

NOTE: The RCA Jacks are not designed to be connected directly to the passive/unpowered speakers on LINE mode. If connected to the passive speakers, there is no sound.

4. USB-Encoding

Visit our tutorial page to see the instruction of both macOS/Windows operating system

www.gadhouse.com/tutorial or QR code below;



TROUBLESHOOTING GUIDE

To keep the warranty valid, never try to repair the product yourself. If you encounter problems when using this product, check the following points in the table below before requesting service. If the problem remains unsolved, directly contact customer service

e-mail: Customerservice@gadhouse.com

Problem	Troubleshooting guide
There is no power:	 The turntable is not connected to the power adapter. No power at the outlet.
The platter doesn't turn although the unit is switched on:	 The unit is not connected to the main power supply. No power at the outlet. Drive belt is not installed or has slipped off.
No signal through one or both channels:	 Phono input not selected on amplifier. Amplifier not switched on. Amplifier or speakers muted. No connection to the speakers. No connection between turntable and amplifier Wire leads not connected the cartridge.
Strong hum on phono input:	 No ground connection from cartidge, arm, or arm cable to amplifier or ground loop. Turntable is too close to speakers.

Problem	Troubleshooting guide
Distorted or inconsistent sound from one or both channels:	 Turntable is connected to wrong input of amplifier. Needle or cantilever damaged. Drive belt overstretched or dirty. Dust on stylus. MM / MC switch on pre-amplifier set incorrectly.
Needle isn't touching the record:	• The screw on the tonearm rest may have loosened during transport. Genty turn this screw clockwise to move the needle stylus closer to the record.
Needle is scratching the record's surface:	 Gently turn the tonearm rest screw anticlockwise to move the needle stylus away from the turntable.

NOTE: Factory screw tightness is based on the thickness of the included slip mat. If a thinner or thicker 3rd-party slip mat is used, gently adjust the screw as needed following the steps in the last two situations.

CARTRIDGE REPLACEMENT

- 1. Before replacement, put the stylus protector back on the stylus to prevent damage to the stylus during the replacement process.
- 2. Carefully remove the wire leads from the original cartridge.
- 3. Loosen the two screws on the headshell that are securing the cartridge and then remove the original cartridge.
- 4. Mount the new cartridge to the headshell and tighten it lightly. Do not completely tighten the screws at this moment.

5. Connect the wire leads to the new cartridge's terminals. The wire lead color are as below:

White	Left channel positive	(L+)
Black	Left channel negative	(L-)
Red	Right channel positive	(R+)
Black	Right channel negative	(R-)

- 6. Adjust the cartridge's position to make sure it is precisely aligned on the headshell so that the stylus will be tracking the grooves in parallel perfectly. To achieve this, place the included paper cartridge alignment protractor over the turntable spindle, carefully lift the tone arm and place the tip of the stylus on the points marked 130mm and 250mm respectively. Fine tune the cartridge's position on the headshell until the cartridge is perfectly in parallel with the reference lines at both posits.
- 7. Tighten the screws completely once the perfect alignment is achieved.

NOTE:

• Design and specifications are subject to change without notice.

MAINTENANCE AND CARE

- 1. Do not touch the stylus tip with your fingers. Avoid bumping the stylus on the turntable mat or a record's edge.
- 2. Clean the stylus frequently with a soft brush with a back-to-front motion only.
- 3. Clean the records to get rid of dust or grease with a record cleaning brush and record cleaning solution.
- 4. Clean the turntable lid and turntable cabinet with a slightly damped microfiber cloth.

NOTE: Do not use cleanser other that contains alcohol, benzene or any other harsh chemicals, with might damage the paint and finish of the turntable.

Your turntable requires little of no regular maintenance. Remove dust with a slightly damp antistatic cloth. Never use a dry cloth, this will create static electricity and attract more dust! Antistatic cleaning agents are available at specialist stores, but must be applied sparingly to avoid damage to rubber parts. It is recommended to install the needle cover before cleaning or maintenance is carried out to avoid damage.

If the turntable is not used over a long period of time, the drive belt should be removed to prevent unequal stretching.

NOTE: Always disconnect the record player from the power supply as a precaution before maintenance!

USEFUL TIPS

The turntable should be positioned on a low-resonance surface such as wood or multiple layer ply board to avoid structural vibrations disturbing playback.

CONTACTING CUSTOMER SERVICE

For questions about the MATHIS turntable, contact your local store which cooperates with Gadhouse. For contact information and customer service, please directly contact the MATHIS model's customer service e-mail: **Customerservice@gadhouse.com** or see more information on http://www.gadhouse.com.

LIMITED WARRANTY

The MATHIS turntable is covered by a limited warranty. Details of the limited warranty are provided on the product website (http://www.gadhouse.com) or contact for further information via MATHIS model's customer service e-mail: **Customerservice@gadhouse.com**

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