
Turntable TAT2M2

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Thank you for purchasing our products.

We hope that this product will enhance your music and provide you with a richer musical life.

5-year quality warranty

All products will be repaired free of charge for five years if they fail under normal use in accordance with the user's manual. (excluding consumables).

The following parts are consumables and are not covered by warranty.

- Drive thread

Product Contents

- Base
- Platter
- Stabilizer

- Platter handles
- Drive thread x2 (consumables)
- AC cord
- Metal rod for attaching stays
- Level
- Platter shaft lubricant
- User's Manual

< Sold separately >

- Air Supply POU2
- POU2 DC cord
- Air tube for POU2 connection $\Phi 6$

- Tonearm attachment
- Stays for tonearm attachments

- Linear Arm AFU1-2
- Player Board LPB2

Please read this User's Manual carefully before using the product to ensure safe operation.

1. Safety Precautions



Warning

If the power cable is not handled properly, there is a danger of fire or electric shock.

- Do not use power cables other than attached.
- Do not touch the power plug with a wet hand.
- Do not place anything on the power cable.

Do not remove the motor attachment and cover.

- There is a risk of electric shock and serious injury because of the high voltage inside.

Stop using immediately in the following cases.

- If water or chemicals flow into the unit.
- If there are metal or flammable items inside.
- If it seems a malfunction or an abnormality.
- If there is odor or smoke.

Turn off the power, unplug the power cable, and contact your dealer or our Service Department.

The total weight is over 40kg.

- Please use a sturdy rack that can withstand the weight.
- For safety reasons, always work with two or more people.

Do not disassemble, repair, or modify the product in any way.

- If you need repair, please contact your dealer or our service department.

2. Precautions for use



Caution

Do not install the product in the following places

- Humid or dusty place
- Enclosed area
- Unstable place with vibration or inclination

When connecting the power cable, keep the following in mind.

- Plug the power cable securely into a robust electrical outlet.
- Make sure there are no unreasonable bends in the cable.

For daily cleaning, wipe with water and then wipe with a dry cloth.

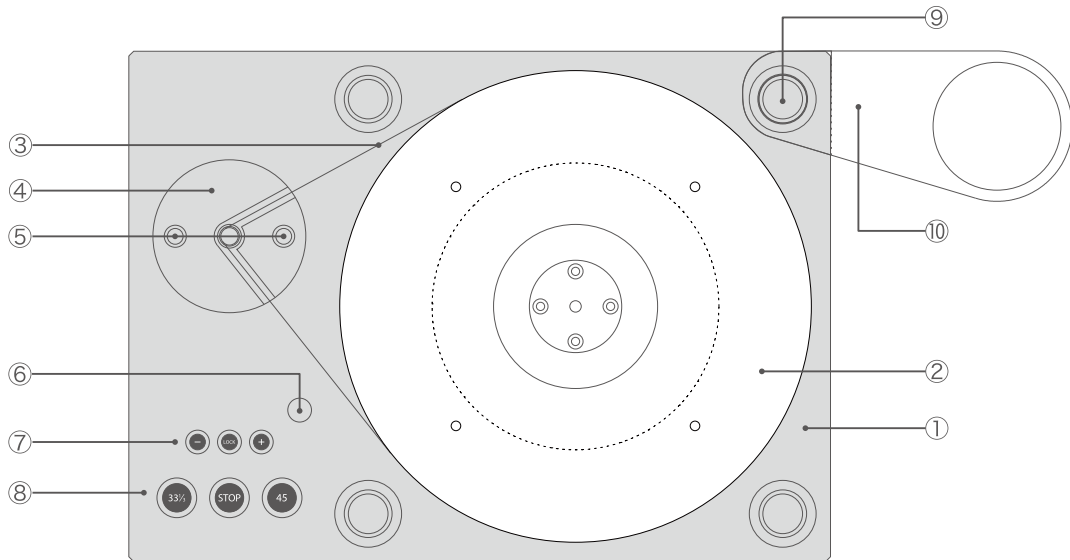
- Do not use solvents such as thinner.

The upper surface of the base and the back of the platter are polished to a precision of 5 μ .

- Please handle with care to avoid scratches.

3. Names of parts and their functions

Turntable TAT2M2 Upper



① Base

② Platter

The screw holes are used to install the platter.

③ Drive thread (consumables)

Keplerian thread transmits motor rotation to the platter

④ Motor pulley and Motor attachment

Motor parts that transmit rotation to the platter

⑤ Motor attachment screws

Used to move and adjust the motor attachment.

⑥ Stroboscope LED

LED to check rotation accuracy; strobe lights up when unlocked to illuminate the platter.

⑦ Speed control button

Press + to increase the rotation speed and - to decrease it; use LOCK to lock or unlock the speed setting.

⑧ Rotation speed button

Press the 33 $\frac{1}{3}$ or 45 button to start rotation. Press the stop button to stop rotation.

⑨ Stay for tonearm attachment

Fix the tonearm attachment to the base. Rotate and fix using the supplied metal rod.

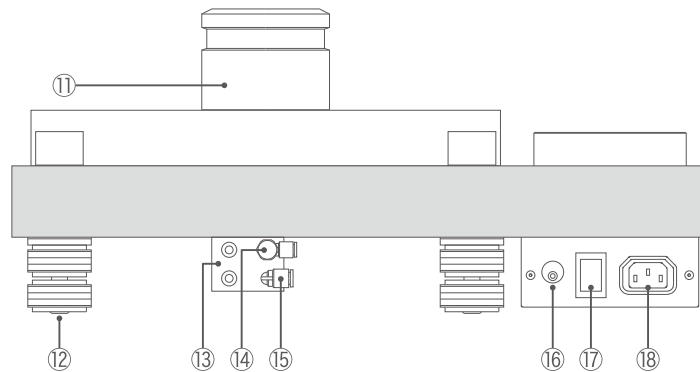
⑩ Tonearm attachment

Attach the attachment for the Linear Arm AFU1-2 or the swing arm.

For safety reasons, always work with two or more people.

The upper surface of the base and the back of the platter are polished to a precision of 5 μ .
• Please handle with care to avoid scratches.

Turntable TAT2M2 Back



⑪ Stabilizer

Adhere the record and tapered platter to each other.

⑫ Base legs

Adjust the level of the base with the four legs. Loosen the lock nut of the upper section and turn the lower section to adjust.

⑬ Air discharge terminal for linear arm

⑭ Air control valve for linear arm

Adjusts the air volume of Linear Arm AFU1-2.
(Used only when the linear arm is installed.)

⑮ Air supply connection terminal

Terminal to receive air supply from Air Supply POU2
Connect the air tube $\phi 6$.

⑯ DC12V output terminal

DC output terminal to supply power to the POU2.
The output starts when the main unit is turned on.

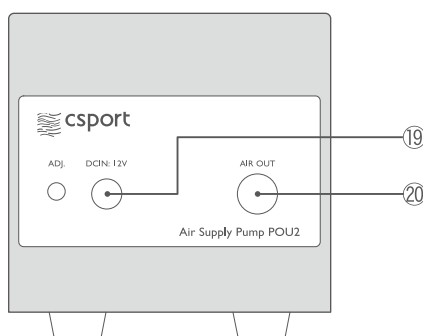
⑰ Main power switch

This switch turns the main power on and off. Turn off the main power when not in use, as it may affect the life of the Air Supply POU2.

⑱ AC input terminal

Used to connect an AC power source.
Be sure to use the supplied AC cord.

Air Supply POU2 (sold separately)



⑲ DC input terminal

Connect to the DC output terminal of the TAT2M2 to receive power. Be sure to use the supplied DC cord.

⑳ Air discharge terminal

Connect the air supply terminal of the TAT2M2 with the air tube $\phi 6$ to supply air.

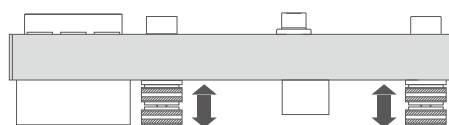
4. Installation and Connection

1. Install the player board

- Install the Player Board LPB2 on the rack.
(sold separately, if purchased)

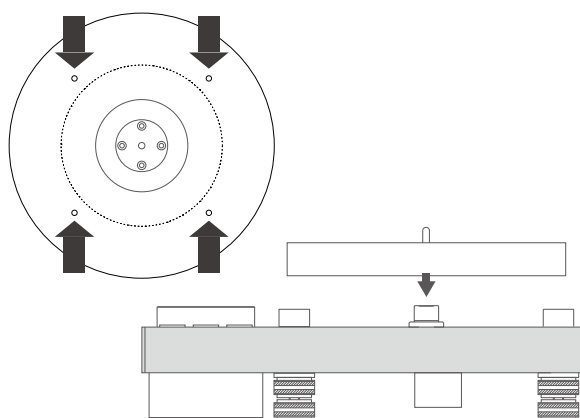
2. Install the base and air supply

- Place the base on top of the rack or player board and the Air Supply POU2 on the floor.
- Use a level to check the level of the base front to back, left to right. If there is any inclination, loosen the locknuts on the upper part of the four legs and turn the lower part to adjust. After adjustment, tighten the lock nuts to fix the base.



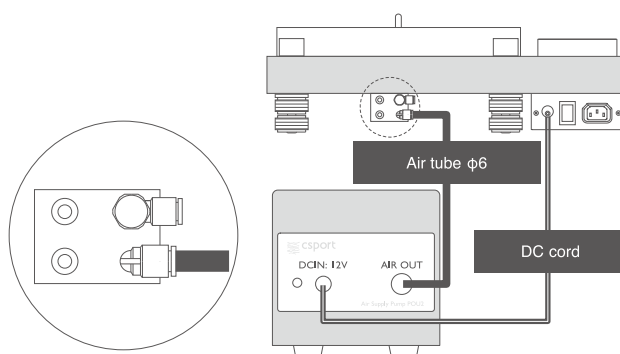
3. Install the platter

- Turn the two handles into the screw holes of the platter by hand until the screws stop. (Do not use any tools.)
- Lift up the platter and install by aligning it with the bearing of the base. For easy installation, make sure the circled areas in the figure are the same distance apart. After installation, remove the handles.



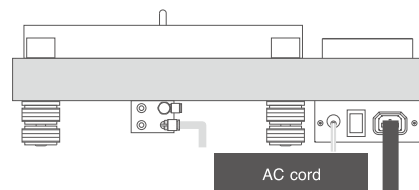
4. Connect the air supply

- Connect the DC cord to the DC output terminal of the TAT2M2 and the DC input terminal of the POU2.
 - Connect the air tube $\phi 6$ to the air supply terminal of TAT2M2 and the air discharge terminal of POU2.
- At this time, insert the tube firmly and deeply until it hits the back of terminal.



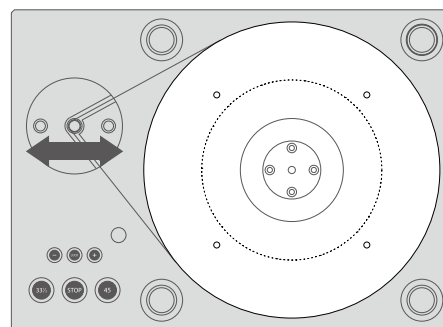
5. Connect the AC cord

- Plug the AC cord into the AC input terminal of the TAT2M2 and connect it to an outlet.
- Turn on the main power switch and check that air is supplied from the POU2 and that the platter rotates by hand.



6. Install the drive thread

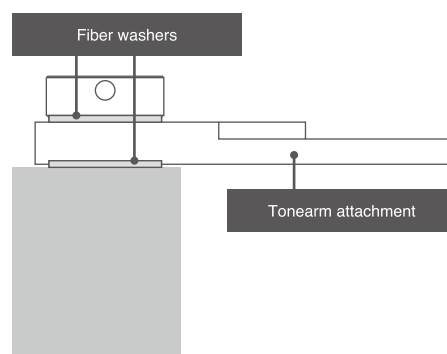
- Loosen the motor attachment mounting screw by hand and move the motor attachment to the position closest to the platter.
- Put the drive thread in the groove of the pulley, and while turning the platter, put the thread over the entire platter.
- Push the drive thread outward with your finger and move the attachment to the left so that the tension is about 5mm. When the tension is set, turn the mounting screw to fix it.
- Make sure that the platter has stopped rotating, and turn off the main power switch.



If the main power switch is turned off while the platter is rotating, the air supply will stop and the platter will stop suddenly. Be sure to turn off the main power after confirming that the platter has stopped rotating, as this may cause scratches on the base.

7. Install the attachment

- Remove the existing stay and install the tonearm attachment. Place the top and bottom of the attachment between two fiber washers and turn the stay.
- Insert the supplied metal rod into the hole on the side of the stay and firmly turn into the base to fix it.
- Install the tonearm on the tonearm attachment according to the User's Manual for yours. For the Linear Arm AFU1-2, please refer to the separate User's Manual.
- If you need an attachment for the second tonearm, please contact your dealer or our service department.



5. How to use

1. Platter rotation

- Turn on the main power switch on the back of the Turntable TAT2M2 to start the operation of the Air Supply POU2.
- Press the speed button to rotate the motor and platter.

- About the motor

Since TAT2M2 does not have servo control, it will take some time until it reaches a constant speed. If you are in a hurry, please add rotation to the platter by hand and keep the platter turned when changing records.

2. Check the platter rotation accuracy

- Press the lock button to enter the unlocked state and light up the strobe.
 - Check the rotational accuracy by the imprint on the side of the platter where the LED is illuminated.
 - Once the alignment marks are synchronized, press the LOCK button to turn off the strobe light.
 - If the imprint is moving;
 - In the clockwise direction, the speed is faster than the constant speed. Press the - button to slow down the rotation.
 - In the counterclockwise direction, the speed is slower than the constant speed. Press the + button to speed up the rotation.
- Press and hold the speed adjustment button to make continuous adjustments.

- About the rotation speed adjustment

The rotational accuracy at which 1 piece imprint is displaced when the platter makes one rotation is 0.625% at 33 $\frac{1}{3}$ rpm. Adjust the speed so that the displacement of the imprint is less than 1 piece in 2 rotations.

The speed is;
faster than the constant speed



slower than the constant speed

3. Start playback

- Place the record on the platter and install the stabilizer.

The following instructions are for use when the Linear Arm AFU1-2 is installed.
When using other tonearms, please follow the user's manual of each tonearm.

- Move the cartridge to the start playback position, and lower the cartridge.
- When playback is finished, raise the cartridge.
- Move the tonearm to the right end, remove the stabilizer, and remove the record.

4. Stop using

- Raise the cartridge and press the stop button to stop the rotation of the platter.
- Make sure that the platter has stopped completely before turning off the main power switch.

If the main power switch is turned off while the platter is rotating, the air supply will stop and the platter will stop suddenly. Be sure to turn off the main power after confirming that the platter has stopped rotating, as this may cause scratches on the base.

Turn off the main power when not in use, as it may affect the life of the Air Supply POU2.

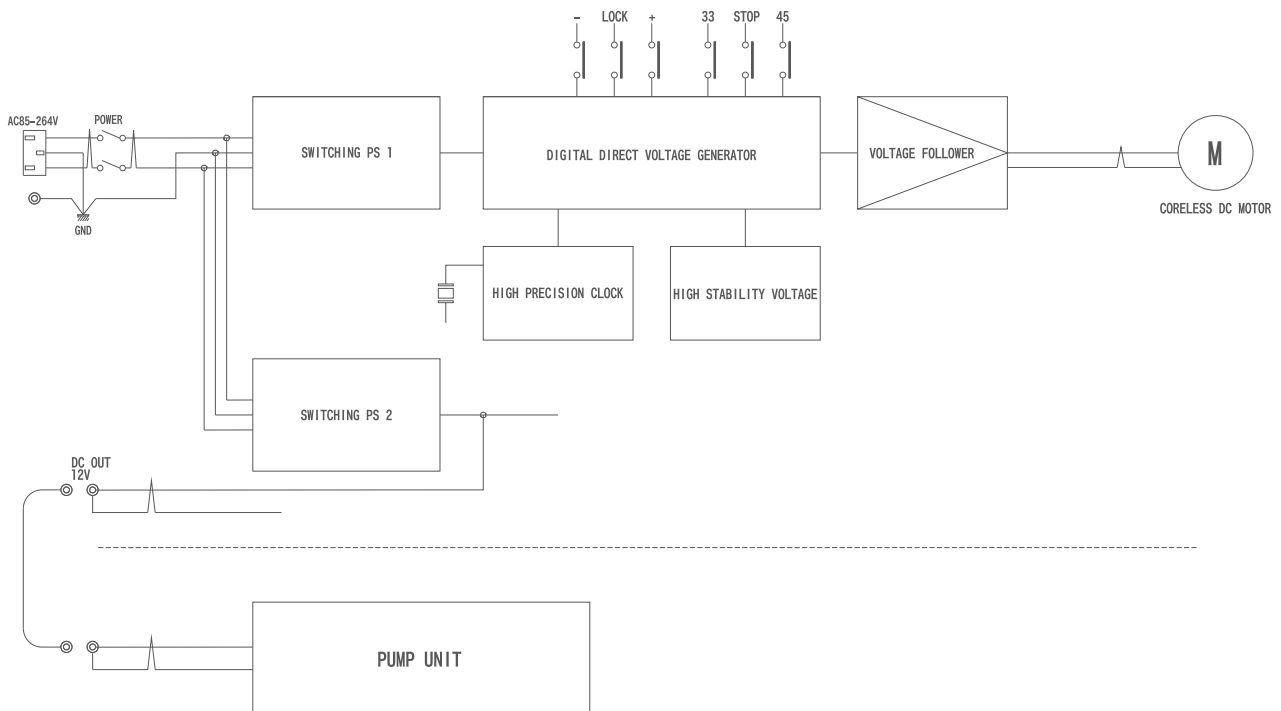
Daily maintenance

- For daily cleaning, wipe with water and then wipe with a dry cloth. Do not use solvents such as thinner.
- The platter bearing has a load of about 100g and uses oil-less metal, so basically no lubrication is required for several years. For more ideal operation, use the supplied lubricant (low-viscosity silicon oil).

6. Product Specifications

Model	TAT2M2
Material [Base]	JIS0 grade granite
[Platter]	Brass
Weight [Base]	19 kg
[Platter]	18 kg
Motor Control	Quartz Oscillator, No-Feedback "XFD system"
Drive System	Thread drive (Keplerian thread)
Motor	DC, Brush-less, Low-noise
Turntable Speeds	33⅓, 45 rpm
Rotation Precision	±0.3%
Wow/Flutter	0.2%/0.04% less
Power Supply	AC100/120/200/240 V, 50/60 Hz
Power Consumption	40 W
Dimensions	440Wx128Hx320D mm

7. Block Diagram



8. Troubleshooting

Check the following when you think it may be a malfunction. If the problem persists even after these measures are taken, or if the problem is not listed, contact your dealer or our service department.

TAT2M2 not turning on

- Check that the power cable is plugged in.

Platter does not turn.

- Check if the Air Supply POU2 is operating.
- Check if the air tube is loose or disconnected.
- Check that the pulley is rotating and that the drive thread is installed correctly.

9. After-sales Service

5-year quality warranty

All products will be repaired free of charge for five years if they fail under normal use in accordance with the user's manual. (excluding consumables). Please note that even within the warranty period, repair may be charged depending on the circumstances of the failure.

After expiration of warranty period

If repair is possible, the product will be repaired for a fee upon request. Repair parts will be available for 8 years after the end of production. If the product has been in use for a considerable period of time, please contact our service department in advance.

Others

The following failures will be repaired for a fee. Please note that you will be responsible for the actual cost of parts, technical fees, shipping, and travel expenses.

- If the failure is caused by improper use or usage that does not follow the user's manual.
- If the failure is caused by a device other than our product you purchased.
- If the failure is damaged by fire, earthquake, flood, lightning, rodent damage, salt damage, other pollution, or abnormal voltage.
- The product has been repaired by someone other than us.

Please note that we are unable to repair any product that has been altered.

We do not warrant any incidental damage resulting from product failure.

Second User Registration

Customers who have acquired our products as used products can take over the remaining warranty period as a second user. If you have acquired a used product, please register from the "Support" section of our website.

Contact Us

If you have any questions about the product, please contact your dealer or our service department. When requesting repair, please inform us of the serial number attached to the back of the unit and the status of the failure.

Please keep the packing materials as they will be needed for transportation of the repair.



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