



Turntable Hi-Fi System

Model: AH X200



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Introduction

Thank you for purchasing Angels Horn Turntable Hi-Fi System with Speakers. This instruction manual contains important information about safety, usage and disposal. Use the product as described and keep this manual for future reference. If you sell this turntable or pass it on, also give this manual to the new owner.

Safety Instructions

Read and understand this entire manual before using this product. Keep these instructions for future reference.

1. Do not set and use the product in locations that are considerably hot or humid, dirty, or subject to extreme vibrations.
2. The product should be positioned on a flat, level surface.
3. Attach the provided protector to the cartridge when the product is not in use.
4. Do not touch the stylus of the cartridge with your finger.
5. Do not allow the stylus to bump against the platter, felt mat, or edge of the record.
6. Only connect the turntable to a power outlet type as indicated on the marking label or in the "Specifications" section of this instruction manual.
7. The turntable has a polarized plug (one pin is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet in only one orientation. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to modify the plug in any way.
8. Protect the power cord from being walked on or pinched, particularly at the power plug, at the point of connection between the plug and outlet and at the point of connection between the power cable and speaker.
9. Do not overload wall outlets or extension cords as this will be a fire hazard and may cause electric shock.
10. Never push objects of any kind into the turntable through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
11. Do not attempt to service the turntable yourself as opening or removing body panels may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
12. Changes or modifications to the turntable not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

13. Do not use attachments not recommended by the manufacturer as they may cause hazards.
14. Only place on a flat, sturdy table or use with the cart, stand, tripod or bracket as specified by the manufacturer or sold with the turntable. When a cart is used, use caution when moving the cart/turntable combination to avoid injury from tip-over.
15. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. Do not block or cover these openings.
16. Unplug the product during lightning storms or when unused for long periods of time.



COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of 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.

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

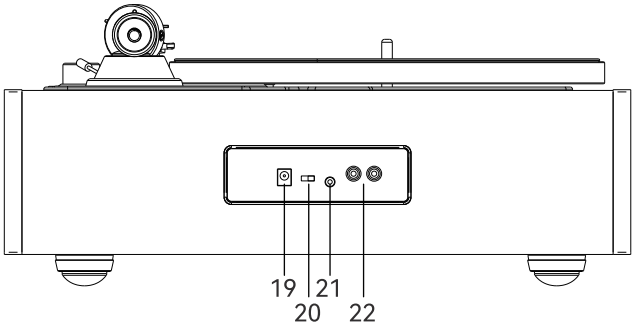
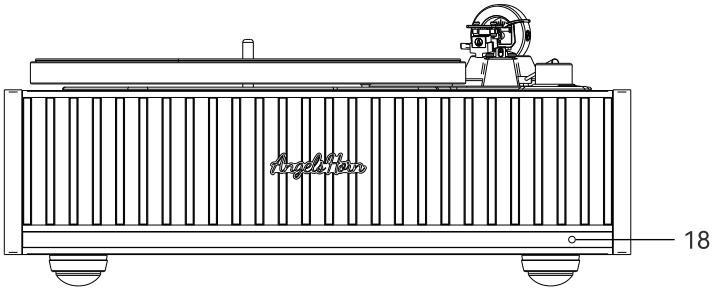
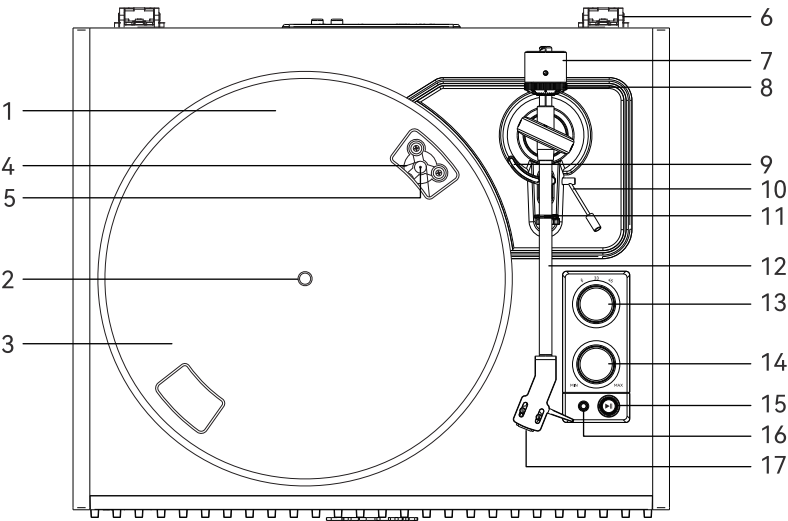
Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

The FCC certification of this device refers to RF exposure testing performed in typical operating conditions, where a person is no closer than 20 centimeters from the device surface at all times, except for non-repetitive patterns with transient time intervals in the order of a second. Only in the stated conditions, the device is shown to fully comply with the FCC RF Exposure requirements of KDB 447498.

WARNING: Cancer and Reproductive Harm – [HYPERLINK](http://www.P65Warnings.ca.gov) "http://www.P65Warnings.ca.gov."

Part Names and Functions



- | | | |
|--------------------------|--|---|
| 1. Platter | 11. Tonearm Clip | 17. Cartridge with Stylus |
| 2. Spindle | 12. Tonearm | 18. Indicator |
| 3. Felt Mat | 13. BT/33/45 Button:Bluetooth Receiving Mode or 33 1/3RPM or 45RPM Selection | Light:Power/Bluetooth Status Indicator |
| 4. Drive Belt | 14. Power & Volume Knob:Power Switch and Volume Adjustment | 19. Power Cord Jack |
| 5. Motor Pulley | 15. Play/ Stop Button:Play/Stop Switch | 20. PHONO/LINE Out Button:PHONO Out Mode/LINE Out Mode Switch |
| 6. Lid Hinge | 16. Headphone jack | 21. AUXIN Jack |
| 7. Tonearm Counterweight | | 22. AUX OUT Jack:RCA jacks for Phono/Line Output |
| 8. Down-force Scale Dial | | |
| 9. Tonearm Rest | | |
| 10. Tonearm Lift Lever | | |

Included Items

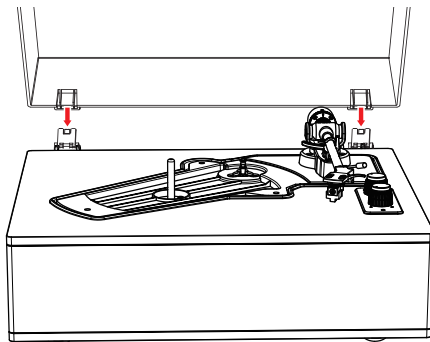
Before installing the turntable, check the package contents to ensure all parts below are included and free of visible damage. Please retain the original packaging materials for exchange or return purposes.

If any product or accessory is damaged or missing, please contact us through the after-sales email listed in this manual. We will provide you with a prompt and effective solution.

1 x Turntable Unit	1 x 45 RPM Adapter
1 x Power Adapter	1 x Instruction Manual
1 x Slip Mat	1 x Belt Hook
1 x Platter with Belt	1 x Cartridge Alignment Protractor
1 x Counterweight	

Installing the Lid

Insert the hinge pockets of the lid onto the hinges of the turntable.

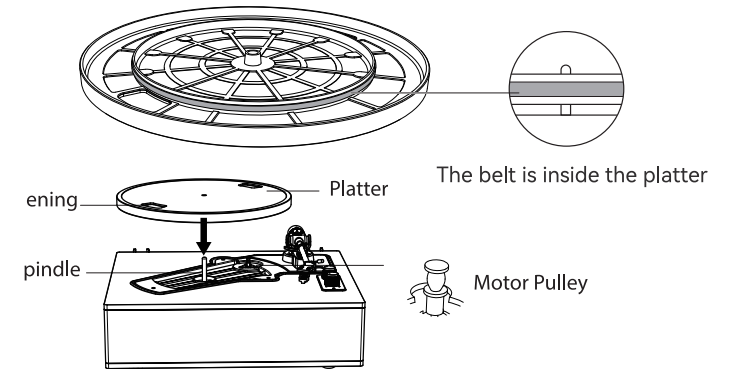


Turntable Platter and Belt Setup

Turntable Platter and Belt Setup

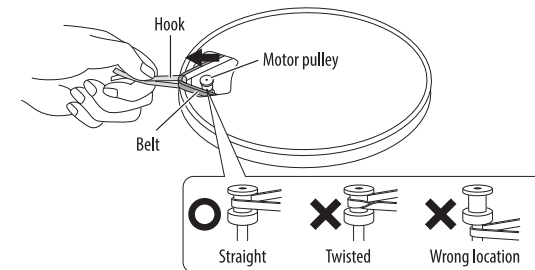
1. Turn the platter over and check the belt position.

Make sure that the drive belt is looped in the middle of the circle. The drive belt located too high or too low in this circle may cause the drive belt to fall off or speed to be unstable.

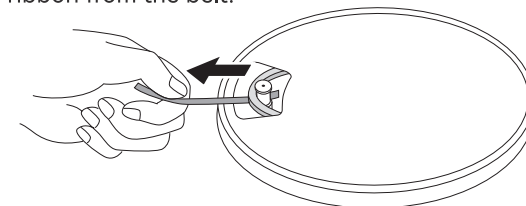


2. Place the drive belt on the motor pulley.

Align one of the platter openings with the motor pulley, and while pulling both ends of the red ribbon that comes attached to the belt, place the belt on the motor pulley, as per the diagram. When doing this, be careful not to twist the belt.

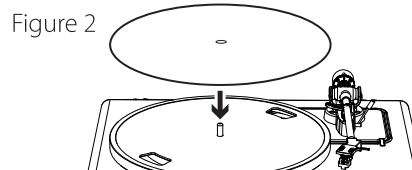
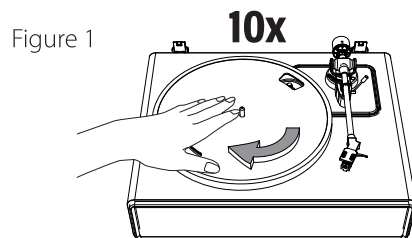


3. Remove the red ribbon from the belt.



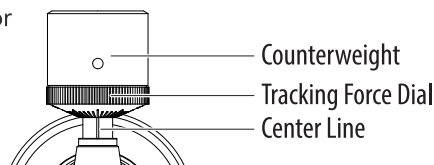
4. Rotating the Platter

1. Using your hands slowly rotate the platter ten times or more in a Clockwise direction (Figure 1).
2. This step is for resetting the auto mechanism, getting rid of any twists in the belt and making sure the belt rides smoothly along the drive rim on the underside of the platter.
3. Place the slip mat on top of the platter. Make sure the logo on the mat is facing up (Figure 2).



Cartridge Tracking Force Adjustment

The Counterweight supplied is suitable for cartridges weighing between 3.0-6.0g.

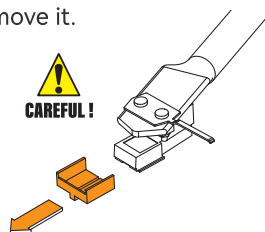


1. Gently push and turn the Counterweight onto the rear of the tonearm (with the dial facing toward the front of the turntable).



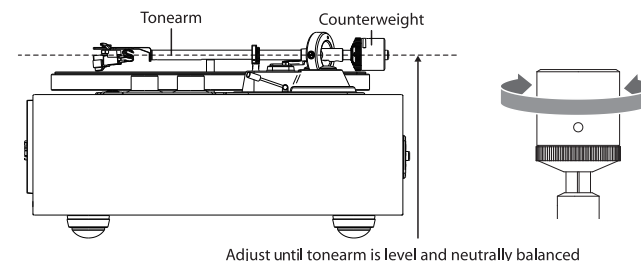
2. Pull the cartridge protection cap straight forward to remove it.

NOTE:Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.

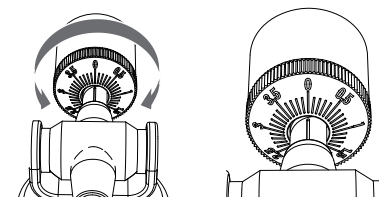


3. Remove the tonearm clip and unlock the tone arm.
4. Lower the tonearm lift lever and position the cartridge in the space between tonearm rest and platter.

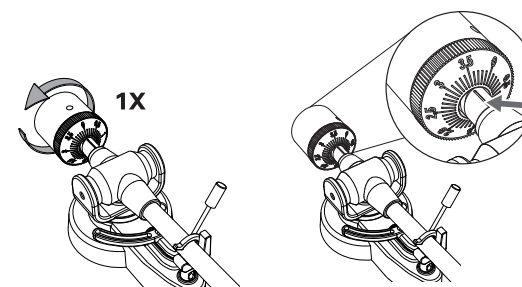
5. Carefully rotate the Counterweight until the tonearm achieves a neutral balance (The tonearm will rock up and down during the adjustment process, and eventually it should reach this balanced position). This adjustment must be done carefully.



6. Once the tonearm is correctly balanced, return the tonearm to its rest. Hold the Counterweight without moving it, and gently rotate the tracking force dial until the zero is in line with the center line on the rear of the tonearm. Check to make sure the tonearm is still neutrally balanced.



7. Rotate the counterweight counterclockwise (seen from the front) to adjust the tracking force according to the cartridge manufacturer's recommendations.

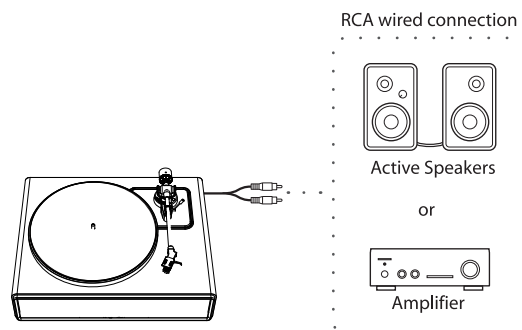


NOTE:Each mark on the scale represents 0.1g. The recommended tracking force for the factory-installed cartridge is $3.5\text{g} \pm 0.5\text{g}$. Carefully rotate the tracking force dial. Please stop rotating when "3.5" is centered over the black line on the top of the tonearm.

Stereo System Connection

1. Connection to External Speaker with RCA Audio Cable

This turntable includes 4 built-in speakers and a built-in phono equalizer. If you wish to use your own amplifier or speakers, please follow the instructions below:



NOTE: In order to achieve the best sound, it is advised to set the turntable volume to a minimal level. Then the turntable's audio will be played back through your own amplifier, speakers, etc.

1. Setting pre-amplifier selector switch

This product has a built-in phono equalizer function. You can use the product even if you do not have a phono amplifier or connectable equipment with a built-in phono amplifier.

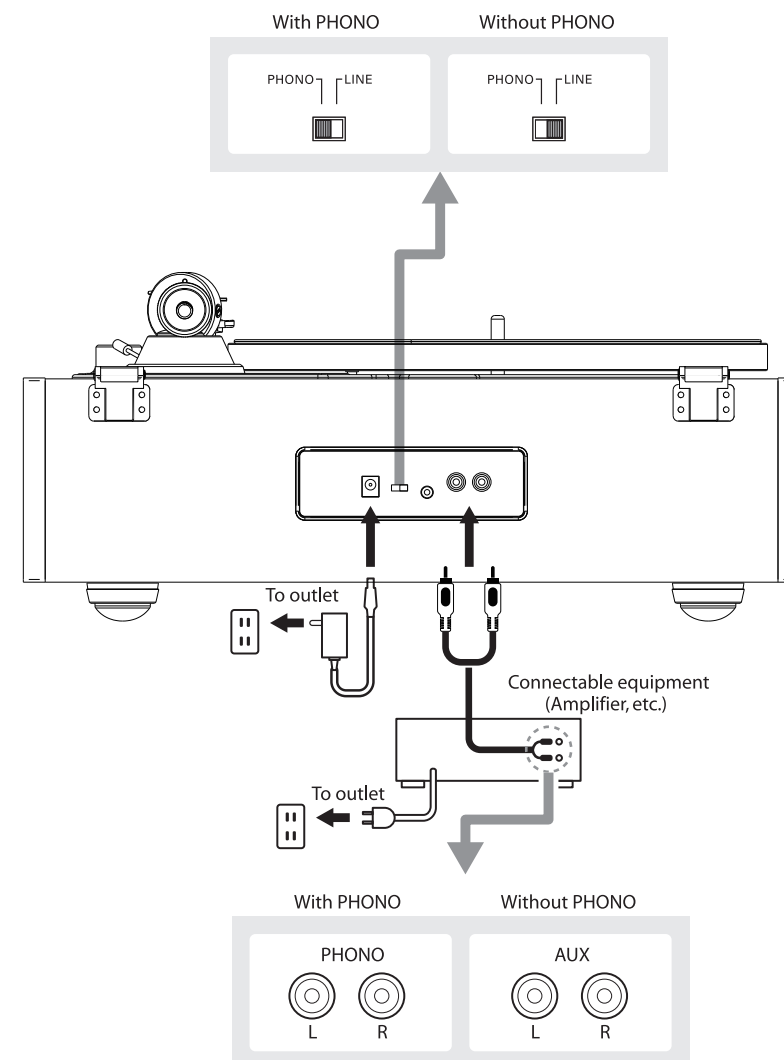
Use the pre-amplifier selector switch to set the output, as shown below.

Connectable equipment being used	Position of pre-amplifier selector switch	Where to connect RCA audio cable
Device with phono input	PHONO	Phono input jack and ground (earth) terminal of connectable equipment
Device without phono input	LINE	AUX or line input jack of connectable equipment

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 will be no sound.

2. Connecting the device

Align the settings for the pre-amplifier selector switch and connect the RCA audio cable to an input jack that is compatible with the connectable equipment you are using (amplifier, active speakers, etc.). The RCA audio cable's red jack is for the right (R) channel, and the white jack is for the left (L) channel.



Main Power Connection

1. Insert the DC plug of the AC adapter into the DC INPUT Jack at the back of the turntable.
2. Plug the AC adapter into a normal power outlet.

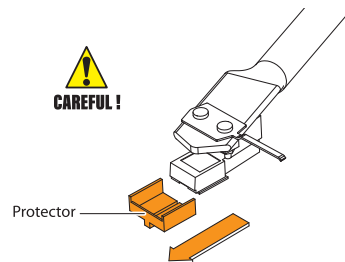
NOTE: Do not plug the AC power adapter into a power outlet before all turntable assembly is completed. Before turning on turntable power, recheck all connections to make sure they are correct and secure. Always turn off the turntable before connecting or disconnecting from power.

Playing a Record

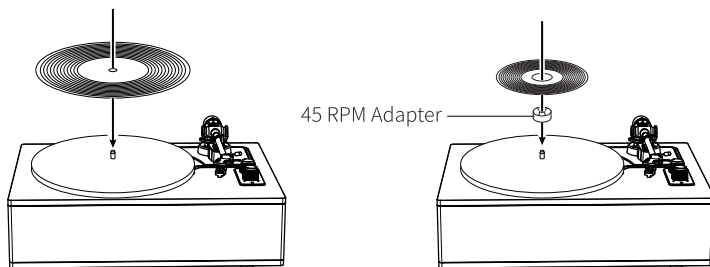
1. Before playing a record

- 1.1 Pull the protector straight forward to remove it.

NOTE: Applying a downward force may cause the stylus to come off the body. Only low volume is output if the stylus has come off, or is about to come off, so refer to "Replacing the stylus" to reattach the stylus correctly.



- 1.2 Place the record on the felt mat so that the center hole aligns with the spindle. If playing a 45 RPM record with a larger hole, attach the 45 RPM adapter.



2. Turntable Operation

Sufficiently lower the volume of the amplifier and speakers first.

- 2.1 Switch the function knob to choose the 33 or 45 RPM speeds according to the type of record.
- 2.2 Connect the included power adapter to the turntable, power on this unit by the volume knob. The indicator will light in red.
- 2.3 Remove the stylus protector from the stylus.
- 2.4 Place the record on the slip mat. If using 45RPM records, put the 45RPM adapter on the center spindle before placing the record on the platter.
- 2.5 Unlock the tonearm clip and set the tonearm lift lever to the up position.
- 2.6 Position the tonearm over the desired location (groove) on the record.
- 2.7 Click Play Switch, the platter will start turning automatically.
- 2.8 Carefully lower the tonearm on the record through the tonearm lift lever.
- 2.9 Turn up the volume of the turntable as needed.
- 2.10 When you are finished playing the record, raise the tonearm, return it to rest on the arm clip and turn off the turntable by the volume knob.
- 2.11 The platter will stop turning if there is no sound output from the speakers in 3 minutes.



45RPM Adapter

NOTE: Do not plug the AC power adapter into a power outlet before all turntable assembly is completed. Before turning on turntable power, recheck all connections to make sure they are correct and secure. Always turn off the turntable before connecting or disconnecting from power.

When you are done, make sure the tonearm is securely locked to avoid any damage.

Don't forget to turn off the power on the turntable and your external device.

Bluetooth Operation

1. Connect the included power adapter to the turntable.
2. Switch the function knob to Bluetooth mode. And power on this unit by the volume knob. The indicator light turns blue and flash quickly.
3. Turn on the Bluetooth feature of your media device and search for and select "AH X200" to pair the media device and turntable.
4. Once your media device is successfully paired with the turntable, the blue indicator light changed from flashing rapidly to flashing slowly.
5. Play and stream music from your media device to the turntable. The blue indicator light changed from slow flashing to solid light.

Note: Bluetooth version: 5.0.

AH X200 Bluetooth record player only has Bluetooth receiving function, but no Bluetooth transmitting function, so it cannot connect to Bluetooth speakers or headphones through bluetooth.

AUX-IN Operation

This turntable includes an auxiliary audio signal input jack for connecting external audio devices like MP3 players, CD players, and older, non-dockable iPods so you can listen to your external source through the turntable's speakers.

1. Use an audio cable (not included) with one 3.5 mm stereo connection on each end of the cable.
2. Plug one end into the AUX-IN jack on the turntable and the other end to the Line Out jack of the audio device.
3. Power on the turntable and audio device. The indicator light on the record player will light up.
4. The volume level can be controlled through the turntable. Operate all the functions on the auxiliary device as usual.
5. Please note that AUX-IN function is a first-priority function. Even if the indicator light for PHONO/BT is on, these functions won't work while the AUX-IN function is in use.
Please unplug the AUX-IN cable before using the PHONO/BT functions.

NOTE:

1. Make sure the tonearm is securely locked to avoid any damage.
2. When you are done, don't forget to turn off the power on the turntable and your external device.

Headphone connection

This turntable includes a 3.5mm headphone jack for connecting external audio devices such as headphones, speakers with an AUX jack, etc.

NOTE: External speakers have higher priority than headphones. Disconnect the external speaker cable before using the headphone function.

Maintenance and Cleaning

Turntable Body

When the turntable body is dirty or dusty, first disconnect the AC adapter and then wipe off the dirt and dust with a soft, dry cloth.

Do not use benzenes, thinners, etc.

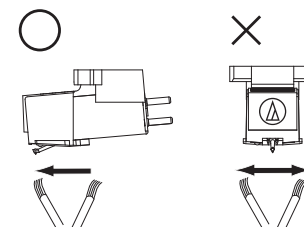
When storing the product for a long time, disconnect the AC adapter from the outlet and wrap the product in plastic; do not allow it to become damp; the drive belt should be removed to prevent unequal stretching.

Stylus Tip

If dirt and grime are stuck to the stylus tip, clean it with a commercially brush.

We recommend using a stylus cleaner (not included) if the stylus tip is considerably dirty.

Clean the stylus tip by moving the brush from the rear to the front of the stylus tip.



Removing the Stylus

Removing the Stylus

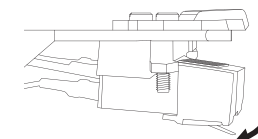
. In addition to the deterioration of sound quality, records may also be damaged as the cartridge's stylus tip wears down.

. As a rule of thumb, replace the stylus after 300 to 500 hours of use.

. Be sure to disconnect the product's power cable plug from the outlet.

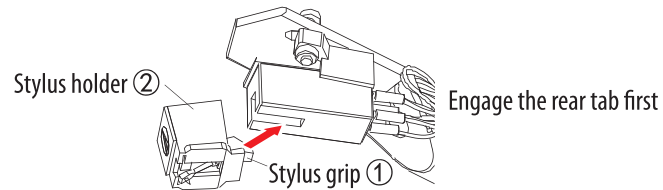
1.Remove the protector from the cartridge.

2.Remove the stylus by pulling in the direction of the arrow.

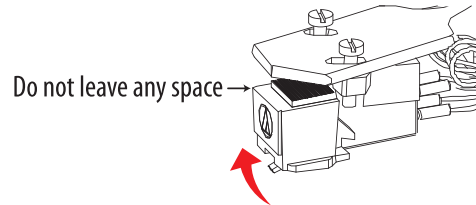


Installing a new replacement stylus

1. Grasp both sides of the stylus holder and insert the stylus grip into the cartridge rear tab of the cartridge.



2. Push up the stylus holder until it clicks and locks completely in place.



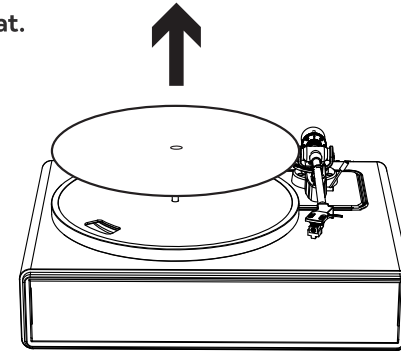
NOTE: After the stylus is installed, all the silver metal parts should be covered; you shouldn't see any metal if it's installed correctly. If the stylus is not installed correctly, it will cause the turntable to be silent.

Replacing the Belt

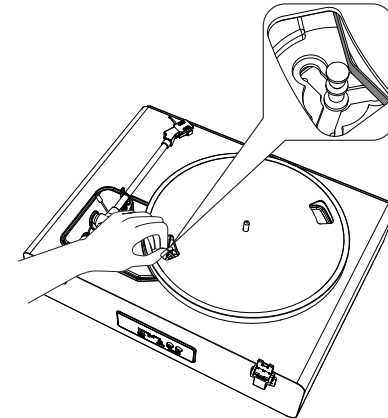
The belt is a consumable part. Replace the belt if the speed of playback slows down or irregular rotation occurs. As a rule of thumb, we suggest replacing the belt once a year.

Before replacing the belt, be sure to disconnect the product's AC adapter from the outlet.

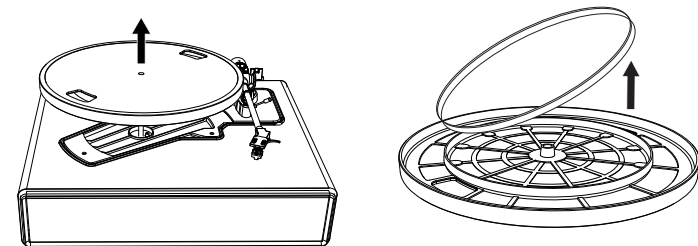
1. Remove the slip mat.



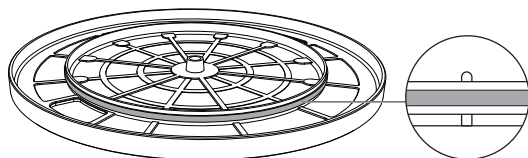
2. Remove the belt from the motor pulley.



3. Remove the main platter and then remove the old belt.

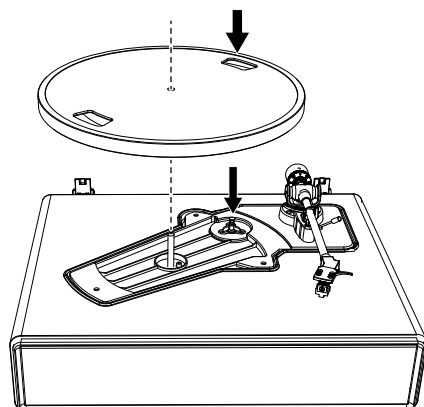


4. Turn the platter over and you will see a raised circle. Loop the new belt along the middle circle.



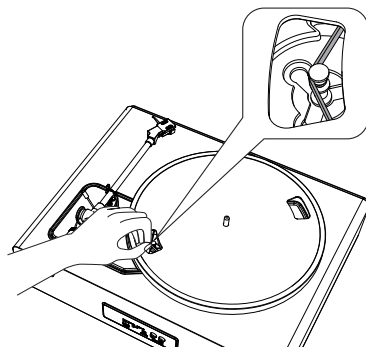
5. Attach the platter.

Align one of the openings with the position of the brass-colored motor pulley.

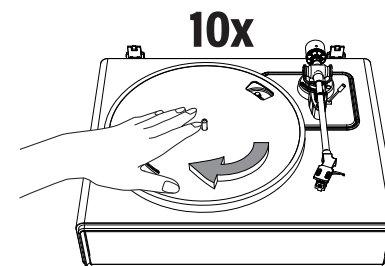


6. Place the belt on the brass-colored motor pulley.

Grasp the belt that was attached in step 4 and place it on the brass motor pulley while pulling it.



7. Using your hands slowly rotate the platter at least ten times in a clockwise direction as shown by the arrow below.



When the Turntable is Moved

Please use the product's original packaging materials. If you do not have the packaging materials, take the following measures:

- After disconnecting the AC adapter from the outlet, remove the felt mat and platter, and then wrap them so that they do not get damaged.
- Attach the protector to the cartridge.
- Use a string or something similar to tie the tonearm to the rest so that it does not become dislodged.
- Wrap the turntable body with paper or a soft cloth so that it does not get damaged.

Troubleshooting

Potential Incorrect Use and Fault Conditions:

These turntables are manufactured to the highest standards and undergo strict quality controls before leaving the factory. Faults that may possibly occur are not necessarily due to material or production faults but can sometimes be caused by incorrect use or unfortunate circumstances. Therefore the following list of common fault symptoms is included.

Problem	Solution
The platter does not spin.	. Is the AC adapter connected to the outlet? - Connect the AC adapter to the outlet. . What's the status of the indicator light? - The indicator light is blue. That means the turntable is in Bluetooth mode. Please switch the function knob to 33 1/3RPM or 45RPM mode. - The red indicator light will indicate Turntable mode. . Is the Play/stop set set correctly? - Switch to Play mode. . Has the belt slipped from the platter? - Correctly place the belt on the platter. . Is the belt placed on the motor pulley? - Check that the belt is placed on the motor pulley (brass-colored) correctly. . Has the belt been damaged? - Replace it with a new belt. . Is the AUX-IN cable plugged in? - AUX-IN function is a first-priority function. Please unplug the AUX-IN cable before using the PHONO/BT functions.
The platter spins, but there is no sound or the volume is not loud enough.	. Tone arm is lifted up by the lift lever. - Lower the lifter lever so that the stylus can contact the record. - If using the built-in speakers, set the turntable to LINE OUT mode. - When connecting an external amplifier, set the turntable to PHONO OUT mode. - When connecting external speakers, set the turntable to LINE OUT mode. . Stylus protector is still on. . Is the stylus damaged? - Check the stylus and replace it, if necessary. . Is the stylus placed correctly on the body of the cartridge? - Check the cartridge and reinstall it, if necessary. . The stylus thread is loose. - Firmly insert the needle thread into the cartridge. - The built-in speakers will mute when headphones are plugged into the record player. Please remove the headphones.

The stylus skips.	. Is the record warped or scratched? - Check the record. Try new records if necessary. . Is the tracking force set too light? - Adjust the tracking force correctly. Try a slightly heavier weight (3.5g-3.8g). . It may be that the stylus is not installed correctly. - Reinstall the stylus. . Is the stylus damaged? - Check the stylus and replace it, if necessary. . The stylus is not oriented correctly. - Use the cartridge alignment protractor included in the turntable package to correct the stylus position.
There is howling.	. Is the product picking up excessive vibrations from the floor, surfaces of the walls, or nearby speakers? - Decrease the vibrations or mount the product on a surface that is not subject to the effects of vibrations. Move the turntable away from the speakers.
There is noise when the record is playing	. Is there dust on the stylus' tip? - If dust is stuck to the stylus tip, clean it with a commercially sold brush.
Playback speed slows down or there is irregular rotation.	. Is the belt stretched out? - Replace with a new belt. - Press + or - button to adjust the speed to the preferred speed. . The belt is not level. - Use the belt hook to adjust the belt to the correct horizontal position. - Clean the turntable hub shaft, clean the turntable spindle hole, and add lubricating oil into the turntable spindle hole.
Distorted or inconsistent sound from one or both channels.	. Turntable is connected to wrong input of amplifier. . Needle damaged. . Drive belt overstretched or dirty. . Platter bearing without oil, dirty or damaged. . Dust on stylus. . MM/MC switch on pre-amplifier set incorrectly.

Specifications

Turntable

Power Supply	AC100-240V, DC output 12V1500mA
Power Consumption	35W
Turntable Speed	33 1/3,45 RPM
Output Power (RMS)	4Ω17WX2(BT), 5WX2(PH)
Dimensions (L xW xH)	427x350x203mm
Weight	6.3 kg

Stylus

Model	Audio-Technica AT3600
Frequency Response	20Hz-20kHz
Channel Balance	<2.5dB
Channel Separation	>18dB
Output Voltage	2.5mV
Recommended Load Resistance	47kΩ
Amplifier Connection	MM (Moving Magnet) -input
Recommended Tracking Force	3.5±0.5g
Weight	0.18oz(5.1g)

Note: Design and specifications are subject to change without notice.

Customer Service

Please contact Angels Horn after-sales service if you encounter any problems with your record player. Please retain the original packaging materials for exchange or return purposes.

US,CA Email :
support@angelshorn.com

UK,EU Email:
services@angelshorn.com

Disposal

Disposal of the Product



Under no circumstances should you dispose of the product in normal domestic waste.

■ This product is subject to the provisions of European Directive 2012/19/EU. Dispose of the product via an approved disposal company or your municipal waste facility. Please observe currently applicable regulations.

Please contact your waste disposal center if you need any further information.



This product's packaging is made from environmentally friendly material and can be disposed of at your local recycling plant.