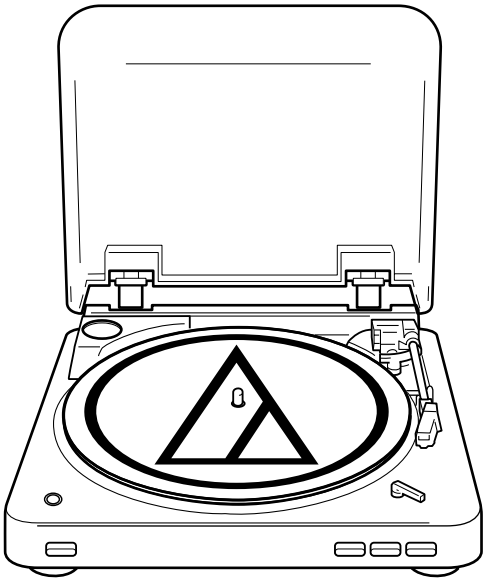


Installation and Operation Pages 2-8

AT-LP60-BT
無線唱盤
安裝和操作 P. 9-15

audio-technica®

Wireless Turntable

Introduction

Thank you for purchasing the AT-LP60-BT wireless turntable. Audio-Technica has been a leading manufacturer of innovative stereo phonograph products for more than 50 years. We are pleased to provide this turntable, with its excellent performance and many convenient features, for your enjoyment.

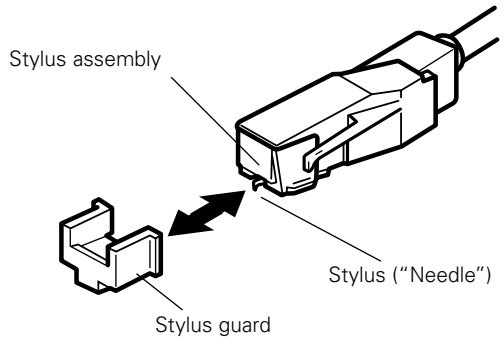
The AT-LP60-BT wireless turntable features:

- Fully automatic operation
- Two speeds: 33⅓ RPM and 45 RPM
- Professional aluminum turntable platter
- Integral Audio-Technica Dual Moving Magnet™ phono cartridge with replaceable diamond stylus
- Built-in *Bluetooth* transmitter function. Permits use of turntable with wireless speakers, headphones and other devices with *Bluetooth*® wireless technology.
- Built-in switchable stereo phono/line level pre-amplifier. Permits use of turntable with stereo systems having either magnetic-phono inputs or "AUX" (line-level) inputs; also allows convenient use of turntable with most powered speakers
- Damped lift/cueing mechanism with front-panel control
- Removable dust cover

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 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.



Important information

Warning:

- To prevent fire or shock hazard, do not expose this apparatus to rain or moisture.

Caution:

- Do not expose this apparatus to drips or splashes.
- To avoid electric shock, do not open the cabinet.
- Refer servicing to qualified personnel only.
- Do not expose this apparatus to excessive heat such as sunshine, fire or the like.
- Do not subject this apparatus to strong impact.
- This apparatus should be located close enough to the AC outlet so that you can easily grasp the power cord plug at any time.
- In case of emergency, disconnect the power cord plug of this apparatus quickly.
- Do not place any objects filled with liquids, such as vases, on this apparatus.
- To prevent fire, do not place any naked flame sources (such as lighted candles) on this apparatus.
- Do not install this apparatus in a confined space such as a bookcase or similar unit.
- To install this apparatus only in the place where ventilation is good.
- To prevent fire, do not cover the ventilation of this apparatus with newspapers, table-clothes, curtains, etc.

Reference:

- Disconnect this product from the computer if you encounter any malfunction like noise, smoke, smell, heat or damage with the product. In such case, contact your local Audio-Technica dealer.
- Do not use the turntable within 22 cm of where a cardiac pacemaker is installed. Pacemakers may be affected by radio waves of the turntable.
- Do not use the turntable near medical equipment.
  Radio waves may affect cardiac pacemakers and medical electronic equipment. Do not use the product inside medical facilities.
- Do not use the turntable near automatic control devices such as automatic doors and fire alarms.
  Radio waves may affect electronic equipment and cause accidents due to malfunction.

Simultaneous use with other devices

Failure, such as the interruption of sound, may be caused by radio wave interference from devices that use the same frequency band (2.4GHz) as the turntable, including devices with *Bluetooth* wireless technology, devices using wireless LAN, digital cordless phones and microwaves. Similarly, because radio waves of the turntable may affect these devices, take the following precautions:

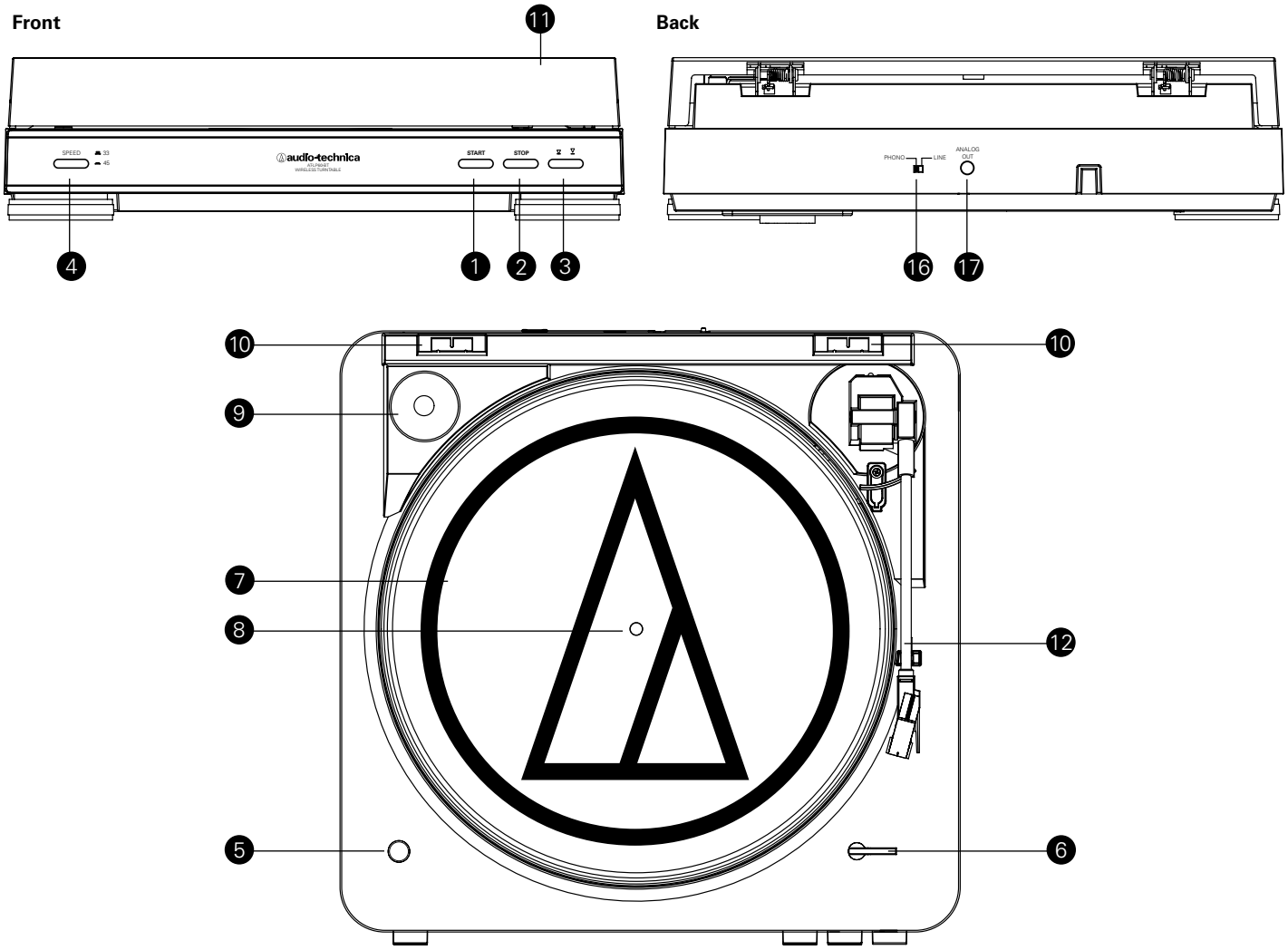
- Install the devices using the same frequency band (2.4GHz) away from the turntable.

Instructions for Use

Any device which is connected to the turntable needs to meet the *Bluetooth* standards established by Bluetooth SIG and be certified. Even if the device meets the *Bluetooth* standards, it might not connect to the turntable or the operation method and behavior may differ depending on the device's characteristics and specification.

Main Features

Figure 1



❶ START BUTTON
Engages the motor/platter and begins automatic operation.

❷ STOP BUTTON
Disengages the motor/platter and returns tone arm to rest.

❸ TONE ARM LIFT BUTTON
Lifts and lowers tone arm for manual selection.

❹ PLATTER SPEED BUTTON
Select 33 RPM (button in high position) or 45 RPM (button in low position) platter speed.

❺ WIRELESS FUNCTION BUTTON (with Indicator LED)
Use to perform initial pairing with a *Bluetooth* receiver device (speakers, headphones, receiver, sound bar, et al.) and to start/stop wireless signal transmission.

❻ SIZE SELECTOR
Select the size of the record: 12" or 7".

❼ PLATTER
Aluminum platter mounts directly to center spindle/ motor shaft.
* Illustration shows platter with turntable mat placed on top of it.

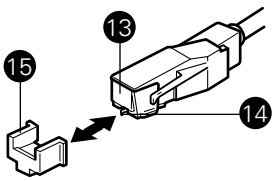
❽ CENTER SPINDLE
Centering pin for record positioning.

❾ 45-RPM ADAPTER (shown in receptacle)
Adapts 7" records with large center holes to fit center spindle.

❿ DUST COVER HINGE HOLDERS
Attachment points for removable hinged dust cover.

⓫ DUST COVER

⓬ TONE ARM/HEADSHELL ASSEMBLY
Tone arm is permanently attached to the headshell assembly.



⓭ STYLUS ASSEMBLY

⓮ STYLUS ("NEEDLE")

⓯ STYLUS GUARD

⓰ PRE-AMPLIFIER SELECTOR SWITCH (PHONO/LINE)
(On back of turntable) Use PHONO setting when you connect to the phono input on your home stereo via output cable. Use the LINE level when you connect to CD/TAPE/AUX inputs of your home stereo via output cable.

⓱ ANALOG OUT
Use this output to connect to your home stereo or powered speakers via the included 3.5 mm stereo mini-plug to dual RCA output cable.

Initial Setup

Assembling the Turntable

The AT-LP60-BT requires some assembly before first use.
IMPORTANT: Do not connect the AC power cable until assembly is complete.

1. Carefully place the turntable platter on the center spindle, making certain the platter is fully seated on the spindle.
2. While holding both ends of the red tape ribbon on the turntable belt, carefully pull the belt over the brass motor pulley (Fig. 2a). (If the belt drops off, remove the turntable platter and put the belt back on it, as described on page 7.)
3. Once the belt is seated in the pulley's groove, carefully remove the ribbon. Make certain the belt is not twisted.

   (**NOTE**: If the belt is not correctly positioned around the motor pulley, the turntable will not operate. Please double-check to make sure that the belt is positioned correctly.)

4 Place the turntable mat on top of the turntable platter (Fig. 2b).

5. If desired, the hinged dust cover may be removed. Hold both sides of the dust cover and pull upward ***gently and evenly*** to detach the cover from the turntable (Fig. 2c). Keep the cover in a safe, clean place.
6. To re-install the dust cover, guide the dust cover hinges into the two hinge receptacles located at the back of the turntable housing.

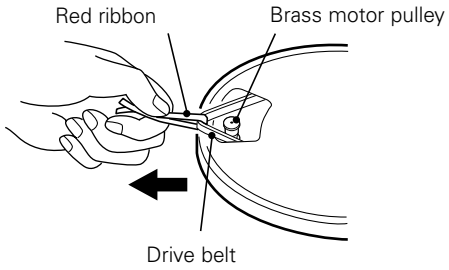
Setting the Pre-amplifier Selector Switch (PHONO/LINE)

For increased flexibility of use, this turntable has an internal stereo phono pre-amplifier. The pre-amplifier selector switch (PHONO/LINE) switch is located on the back of the turntable. If the stereo system you are using has a PHONO input, set the pre-amplifier selector switch to the "PHONO" position. If your stereo system does not have a PHONO input, set the pre-amplifier selector switch to the "LINE" position and connect the turntable's output cables to the AUX or other high-level input on your stereo system (described later) (Fig. 3).

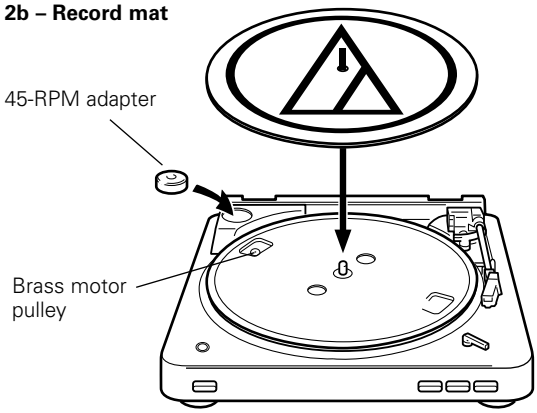
The pre-amplifier selector switch does not affect wireless connection. You can leave the switch in either position when connecting the turntable to a *Bluetooth* receiver device.

Figure 2 – Assembling the turntable

2a – Drive belt



2b – Record mat



2c – Dust cover removal

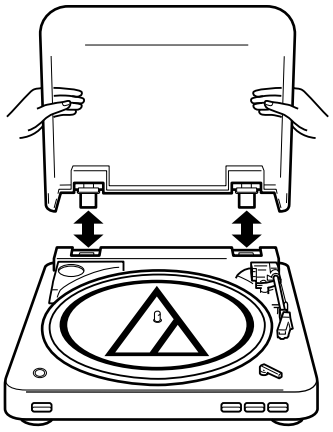
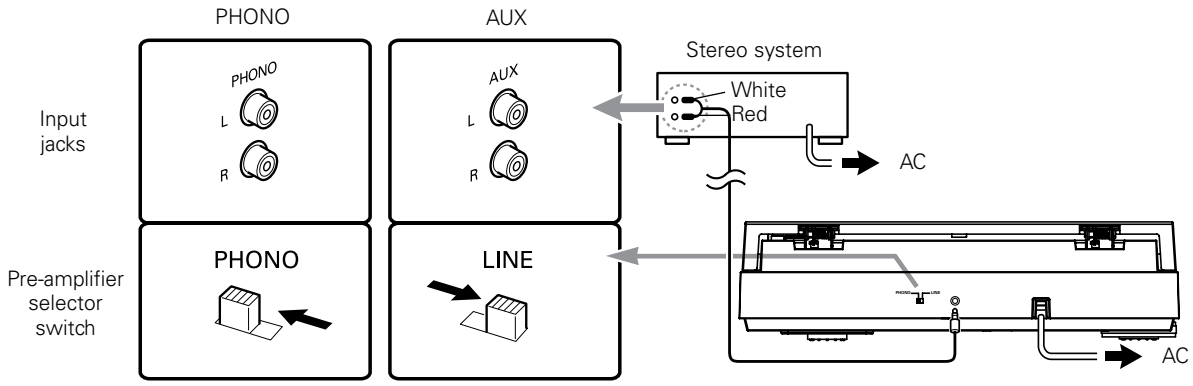


Figure 3



Connecting to Stereo System (Wireless Connection)

About Pairing

To connect the turntable to a *Bluetooth* receiver device, the turntable needs to pair (register) with the device. Once it is paired, you will not need to pair it again with that device, except in the following cases:

- If the turntable is deleted from the *Bluetooth* receiver device connection history,
- If the turntable is sent out for repair,
- If the turntable is paired with 9 devices or more.

(The turntable can be paired with up to 8 devices. When you pair with a new device after pairing with 8 devices, pairing information for the device with the oldest connection date will be overwritten by information for the new device.)

How to Perform Pairing

* Read the user manual for the *Bluetooth* receiver device.
* Place the *Bluetooth* receiver device within 1 meter of the turntable to perform pairing correctly.

1. Set the *Bluetooth* receiver device into "pairing mode".
2. After connecting the turntable's power cable plug to an AC outlet, press and hold the wireless function button for about 4 seconds. The button's Indicator LED will begin flashing red/blue.
3. When the pairing is successfully performed, the Indicator will turn blue.

Listening to Music

1. Once pairing has been performed, press and hold the wireless function button for about 2 seconds to turn on the *Bluetooth* function. Turn on the *Bluetooth* receiver device. Indicator will turn blue when the signal is transmitted correctly.
2. Play and enjoy music according to the Automatic Operation (See below) or Manual Operation (See Page 6) instructions.
3. Press and hold the wireless function button for 2 seconds to cut the connection to the *Bluetooth* receiver device. Indicator will turn off.

About Indicator Display

The wireless function button's Indicator LED displays the following wireless operating status by flashing or turning on:

Operating status		LED display patterns ● Red ● Blue	
Pairing	Searching for device	● ● ● ● ● ● ● ● ● ● ● ● ● ● ···	Flashing
Connect	Waiting to be connected	▬ – – ▬ – – ▬ – – ···	
	Connecting	▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬ ···	Lit

Connecting to Stereo System (Wired Connection)

1. Connect the output cable's mini-plug to the ANALOG OUT on the rear panel.
2. Connect the output cable's red RCA-type pin-plug to the right channel input and the white RCA-type pin-plug to the left channel input of your stereo system (Fig. 3, page 4).
3. With the tone arm still fastened to the tone arm rest, slowly turn the turntable platter ***clockwise*** ten times, to make certain the automatic mechanism is fully cycled.
4. Remove the vinyl tie that holds the tone arm on its rest.
5. Connect the power cable plug to an AC outlet. Make sure the AC outlet supplies the proper voltage for the AT-LP60-BT you are using.

Operation

Automatic Operation

1. Remove the stylus guard from the stylus assembly (Fig. 4).
2. Put a record on the turntable. If needed, use the 45 RPM adapter (Fig. 5).
3. Select the size of record: 12" or 7" (Fig. 6).
4. Select the speed: $33^{1}/_{3}$ RPM or 45 RPM (Fig. 7).
5. **Start:** Gently push the START button (Fig. 8a). The turntable will start and the tone arm automatically will move to the lead-in groove. When the record has finished playing, the tone arm automatically will return to the tone arm rest and the turntable will shut off.
6. **Stop:** To stop playing the record before it reaches the end, press the STOP button (Fig. 8b). The tone arm will lift and return to the tone arm rest, and the turntable will shut off.
7. **Pause:** To pause the record before it has completed playing, press the tone arm Lift button (Fig. 8c). Press the Lift button again to continue playing the record.

Figure 4

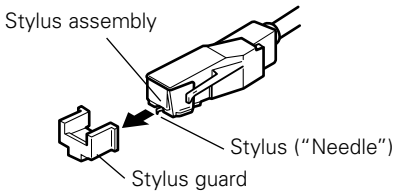
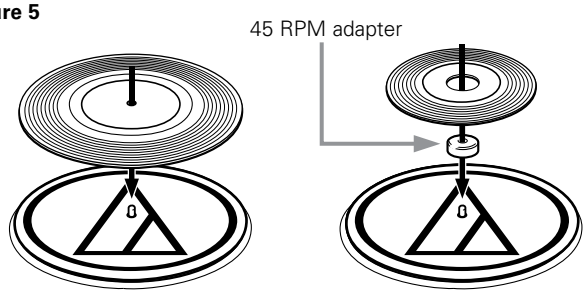


Figure 5



Operation (continued)

Caution: When the tone arm reaches the end of the record, it will lift and return to the tone arm rest automatically. When this happens, ***do not interfere with the tone arm's motion, or damage to the mechanism may occur.***

If the tone arm does not return automatically to the tone arm rest after the record has finished playing, simply press the STOP button to complete operation.

Manual Operation

1. Remove the stylus guard from the stylus assembly (Fig. 4).
2. Put a record on the turntable. If needed, use the 45 RPM adapter (Fig. 5).
3. Select the size of record: 12" or 7" (Fig. 6).
4. Select the speed: 33$^{1}/_{3}$ RPM or 45 RPM (Fig. 7).
5. Press the Lift button in to raise the tone arm (Fig. 8c).
6. Gently move the tone arm so the stylus is over the point on the record where play is desired to begin.
7. Press the Lift button again to gently lower the tone arm and play record.

Figure 6

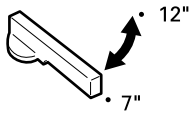


Figure 7

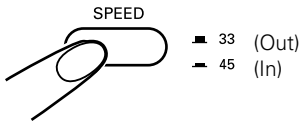
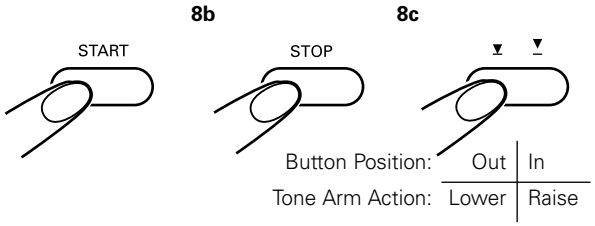


Figure 8



Replacing the Stylus

While holding the head of the tone arm, rotate the front of the stylus assembly in a forward and down motion to remove it (Fig. 9). (As you remove the old assembly, note its position and "feel," to aid in properly installing the new one.)

Install the new stylus assembly as shown in Figures 10a/10b, being careful not to touch the actual stylus. Make certain that the projection at the back of the assembly is fully seated in the cartridge body ***first*** (Fig. 10a), and that the assembly "clicks" up into place, with no gap between its top edge and the front of the black plastic tone arm head (Fig. 10b). Replace the stylus after 400 hours of use.

To maintain original performance, insist upon a genuine Audio-Technica brand replacement stylus. Look for the Audio-Technica trademark (Ⓐ) on the front of the stylus assembly and on the packaging.

Figure 9 – Removing the stylus

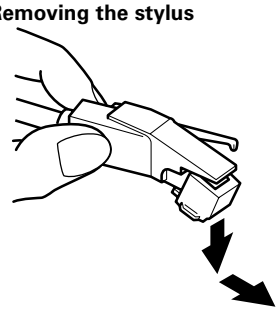
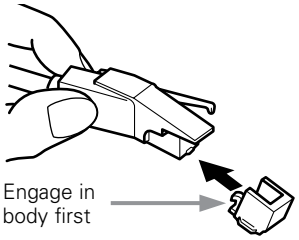
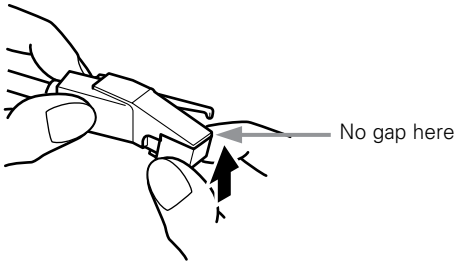


Figure 10 – Installing a new stylus

10a



10b



Troubleshooting

Turntable does not operate

1. Make certain the turntable's AC cable is plugged into an AC outlet, and that the AC outlet is "live."
2. Check the drive belt to make certain it is on correctly. (See Fig. 11.)

   A) Remove the record mat from the turntable platter (Fig. 11a). Place the mat in the cardboard packaging sleeve for safekeeping. Through an opening in the turntable platter, visually inspect to see if the drive belt is around the brass motor pulley (Fig. 11b).

   (**NOTE**: If the belt is not correctly positioned around the brass motor pulley, the turntable will not operate. Please double-check to make sure that the belt is positioned correctly.)

   B) If the drive belt is not around the brass motor pulley: Lift and remove the turntable platter. Place a thumb into each of the left and right openings on the turntable platter; and, using the fingers to press down on the turntable housing's surface, pull the platter ***straight up*** (Fig. 11c). Avoid pressing on the tone arm.

   C) With the turntable platter bottom side up, place the belt along the outside wall of the turntable platter's drive rim, making certain that the belt is smooth and flat all the way around (Fig. 11d).

   D) Put the turntable platter back on the center spindle, make certain it is fully seated, and align one of its openings over the brass motor pulley position.

   E) Through the opening, carefully hook the turntable belt with a finger or with the original red ribbon (***never*** use a sharp object) and pull the belt over the brass motor pulley (Fig. 11e). Make certain the belt is not twisted between the pulley and the platter's drive rim.

   F) Put the record mat back on the platter.

   G) While holding the tone arm in its rest position, slowly turn the platter by hand clockwise at least 10 rotations to clear the mechanism's automatic cycle.

Turntable operates, but no sound at all

1. The stylus guard is still in place.
2. The tone arm lift button is pressed in.
3. Amplifier controls set incorrectly: wrong input selected, tape monitor on, speakers switched off, etc.
4. Check the stylus on phono cartridge for correct placement. Refer to the instructions for replacing the stylus on page 6.
5. If connected to a *Bluetooth* device, make sure the wireless connection has been performed correctly. (See page 5.)

Turntable operates, but no sound, or sound not loud enough

1. If the turntable is connected to an AUX (high-level) input: The pre-amplifier selector switch may be set to the "PHONO" position (phono-input level). Move switch to the "LINE" position.
2. The input gain of the amplified speaker or similar device may be too low.
3. The stylus assembly may not be fully seated in the cartridge body. (See Fig. 10 on page 6.)

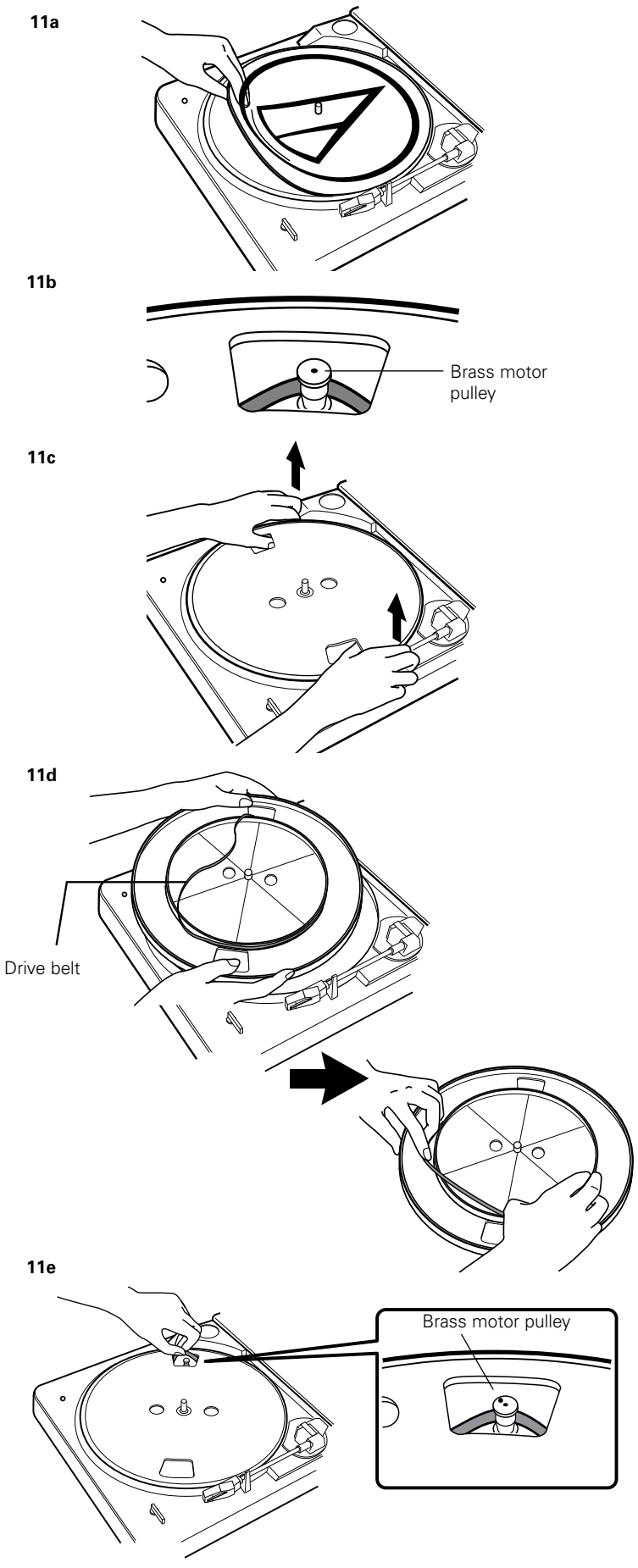
Sound is very distorted

1. Turntable connected to an amplifier's PHONO input: If the pre-amplifier selector switch is set to the "LINE" position (AUX high-level output), a phono input will be overloaded.

Record/Tone Arm moves slightly up and down

1. Usually this is a normal condition and not a problem. If this causes the turntable to be unable to track the record, please contact your dealer or our service department. ***Ensure the surface upon which the turntable is resting is not picking up vibrations from the floor or walls, or from direct speaker sound.***

Figure 11 – Checking the drive belt



Specifications

Tips For Better Performance

- When opening or closing the turntable cover, handle it gently, moving it either at the center or equally from both sides.
- Do not touch the stylus tip with your fingers; avoid bumping the stylus on the turntable mat or a record's edge.
- Clean the stylus tip frequently, using a soft brush **with a *back-to-front* motion *only*.**
- If you use a stylus cleaning fluid, use it ***very sparingly.***
- Wipe the dust cover and turntable housing gently with a soft cloth. Use only a small amount of mild detergent solution to clean the turntable and dust cover.
- Never apply harsh chemicals or solvents to any part of the turntable system.
- Prior to moving the turntable, always unplug it from the AC outlet and fasten the tone arm on the tone arm rest with the vinyl twist-tie.

Specifications

Communication system	*Bluetooth* Ver. 3.0
Output	*Bluetooth* Specification Power Class 2
Maximum communication range	Line of sight - approx. 10m
Compatible *Bluetooth* profile	A2DP
Support codec	SBC
Type	Belt drive turntable, fully automatic
Platter	Aluminum
Motor	DC servo-controlled
Speeds	$33^{1}/_{3}$ RPM, 45 RPM
Wow and flutter	Less than 0.25% (WTD) @ 3 kHz (JIS)
Signal-to-noise ratio	>50 dB (DIN-B)
Cartridge	Integral Dual Moving Magnet™ stereo cartridge with diamond stylus
Output level	
Pre-amplifier "PHONO"	2.5 mV nominal at 1 kHz, 5 cm/sec
Pre-amplifier "LINE"	150 mV nominal at 1 kHz, 5 cm/sec
Phono pre-amplifier gain	36 dB nominal, RIAA equalized
Power	220V AC, 50Hz, 3W (Hong Kong), 110V AC, 60Hz, 3W (Taiwan)
Dimensions	360.0 mm (14.17") W x 97.5 mm (3.84") H x 356.0 mm (14.2") D
Net weight	2.98 kg (6.6lbs.)
Accessories	3.5 mm (1/8") mini-plug (male) to dual RCA (male) stereo output cable, 45 RPM adapter, Removable hinged dust cover
Replacement stylus	ATN3600L

- The *Bluetooth* word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Audio-Technica Corporation is under license. All other trademarks are property of their respective owners.
- For product improvement, the product is subject to modification without notice.

無線唱盤

產品簡介

感謝您選購AT-LP60-BT無線唱盤。鐵三角成立逾50年，經驗豐富，是創新立體聲唱機產品的領先品牌，我們很榮幸能為您推出這款性能出眾；擁有多種便利功能的黑膠唱盤。

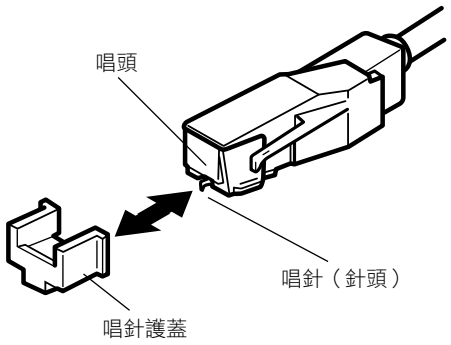
AT-LP60-BT無線唱盤產品功能：

- 全自動操作
- 兩種轉速：33又1/3轉或45轉
- 專業級鋁製唱片轉盤
- 整合內建鐵三角Dual Magnet ™唱頭與可更換式鑽石唱針
- 內建*Bluetooth* 無線發射器，可與附有無線喇叭的唱盤、耳機和其他具有*Bluetooth*®接收功能的播放設備搭配使用。
- 內建可切換式立體聲唱盤／線路位準前級擴大機。唱盤可配合具有磁性唱機輸入或「AUX」(線路位準)輸入的立體聲音響；同時便於和多數主動式喇叭搭配使用
- 透過前面板可執行阻尼升降／選聽機制
- 可拆式防塵蓋

為發揮本產品的最大效用，請仔細閱讀產品說明並遵照本手冊指引操作。請妥善保管本手冊，以備日後參考。

建議將妥善保存包裝材料，以備日後儲存、搬遷或運送之用。

注意：為避免唱針損壞，安裝、搬運或清潔轉碟期間，請確保已妥善裝好唱針護蓋。



重要資訊

警告：

- 請勿使本製品淋雨或遭液體沾濕，以免起火或觸電。

注意：

- 請勿使本製品淋雨或遭液體沾濕。
- 請勿打開本製品機殼，以免觸電。
- 請勿由資格不符之人員進行維修。
- 請勿將本裝置曝露於陽光、火源等過熱環境下。
- 請勿使本裝置受到強烈衝擊。
- 安裝本裝置時，請儘可能靠近電源，以便隨時輕鬆接入電源線插頭。
- 在緊急狀況下，請迅速拔除本裝置的電源線插頭。
- 請勿將任何裝滿液體的物品(如花瓶)放置在本裝置上。
- 請勿將任何火源(如點燃的蠟燭)放置在本裝置上，以免起火。
- 請勿把本裝置安裝在狹窄空間內，諸如書櫃之類。
- 請將本裝置安裝於通風良好的地方。
- 請勿用報紙、桌布、窗簾等覆蓋本裝置的通風口，以免起火。

參考說明：

- 產品若出現噪音、煙霧、異味、發熱或損壞等故障，請從電腦上拔除。如出現此情形，請聯絡本地 Audio-Technica 經銷商。
- 佩戴心律調整器的人士，請與本製品保持 22 公分以上的距離，以免心律調整器受唱盤的無線電波影響。
- 請勿在醫療設備旁使用本製品。
  無線電波可能會影響心律調整器或其他醫療電子設備，請勿在醫療機構內使用本產品。
- 請勿在自動門或火災警報器旁使用本製品。
  電子設備可能受到無線電波影響，從而故障而引發意外。

與其他裝置同時使用的注意事項

本製品周遭若有使用與本製品相同的2.4GHz頻段如唱盤(還包括*Bluetooth* 接收功能的播放設備、無線網路裝置、數位無線電話或微波爐等)之其他製品，聲音可能會因無線電波干擾而出現中斷等情況。同樣地，本製品亦可能對上述裝置造成干擾。為避免以上情形發生，請採取以下預防措施：

- 安裝同為2.4GHz頻段之產品時，請遠離本製品。

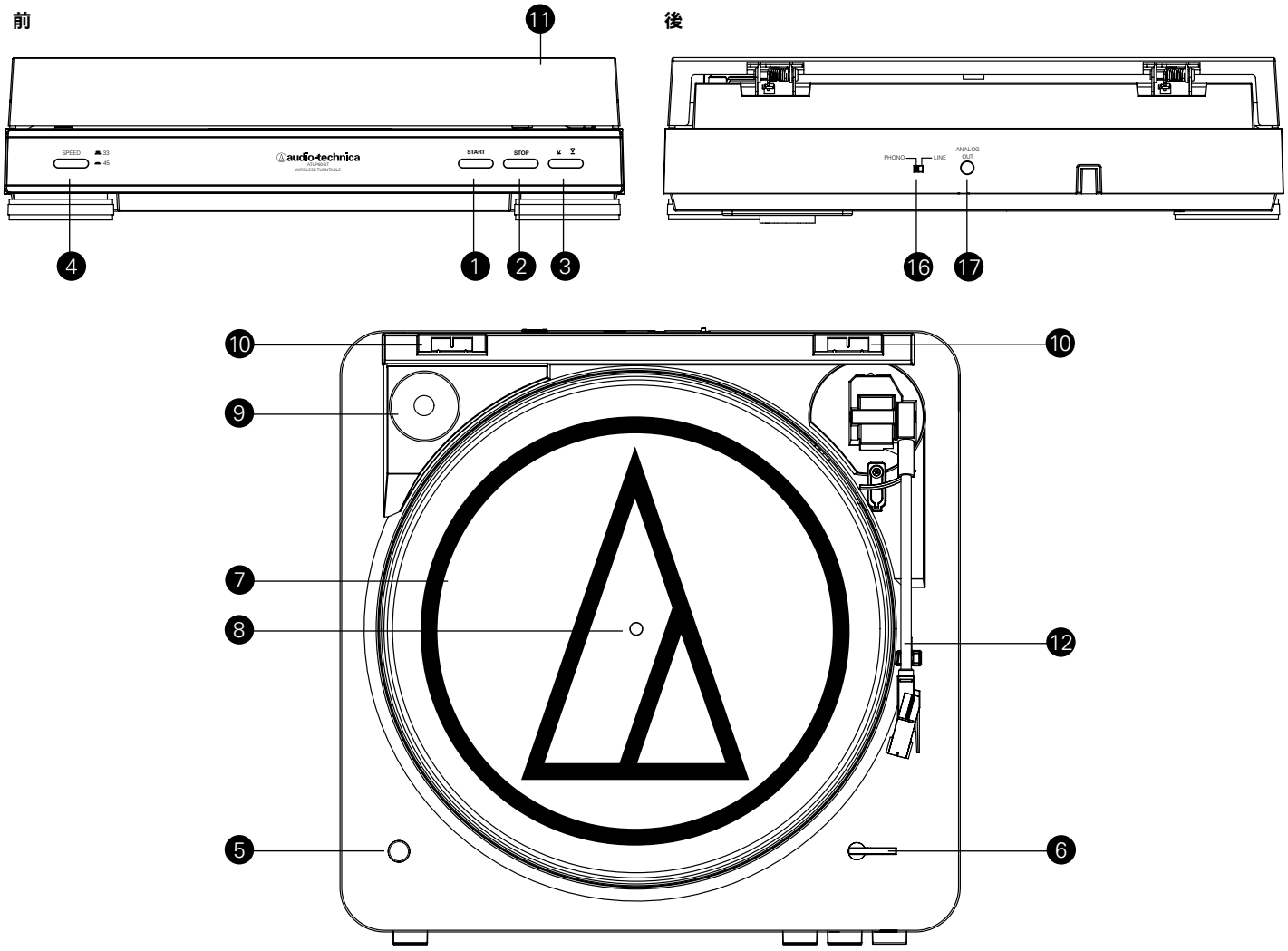
使用說明

任何連接至本製品的裝置，均須符合由藍牙技術聯盟（Bluetooth SIG）設定的*Bluetooth* 標準，並取得相應認證。

即使符合*Bluetooth* 標準，裝置仍可能無法連接至本製品。操作方法及運作狀況亦會因裝置的特性及規格而有所變化。

主要部件

圖 1



❶ 開始鍵
啟動馬達／轉盤，並開始自動操作。

❷ 停止鍵
停止馬達／轉盤，並將唱臂回歸原位。

❸ 唱臂升起鍵
手動控制唱臂的升降。

❹ 轉盤轉速鍵
選擇轉盤轉速：33轉(上段按鍵)或45轉(下段按鍵)。

❺ 無線功能按鈕(含LED指示燈)
用於初次進行*Bluetooth* 裝置(喇叭、耳機、接收器、音響等)配對。

❻ 尺寸選擇鈕
選擇唱片大小：12吋或7吋。

❼ 轉盤
直接安裝中心轉軸／馬達轉軸上的鋁製轉盤。
* 插圖顯示轉盤上放有唱片護墊。

❽ 中心轉軸
用於將唱片定位在中心。

❾ 45轉轉接器(詳見接頭所示)
將 7 吋唱片轉接至大口徑中心轉孔以適應中心轉軸的轉速。

❿ 防塵蓋鉸鏈座
可拆鉸鏈式防塵蓋的接頭

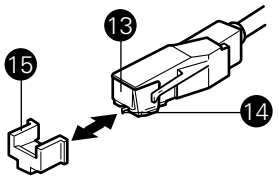
⓫ 防塵蓋

⓬ 唱臂／唱針總成
唱臂固定於唱盤機殼組件上。

⓭ 唱頭

⓮ 唱針(針頭)

⓯ 唱針護蓋



⓰ 前級擴大機切換鈕(PHONO／LINE)
(位於唱盤背面)若要輸出至家用立體聲音響的PHONO輸入端子，請使用「PHONO」模式。如要輸出至家用立體聲音響的 CD/磁帶/AUX 輸入口，請使用「LINE」模式。

⓱ 類比輸出
如要輸出至家用立體聲音響或主動式喇叭，請使用附件3.5mm轉RCA連接線。

黑膠唱盤組裝

使用 AT-LP60-BT 前須進行簡單組裝。
重要資訊：組裝完成前，切勿連接AC電源線。

1. 將轉盤小心置於中心轉軸上，並確保轉盤已完全固定在轉軸上。
2. 手持傳動帶上紅絲帶的兩端，小心拉動轉盤驅動環上的傳動帶(圖 2a)。(若傳動帶脫落，請拆開唱盤轉盤，並重新裝上傳動帶。詳見第 14 頁。)
3. 傳動帶扣上馬達轉軸後，請小心解開絲帶，確認傳動帶沒有扭曲。
   (**注意**：若傳動帶沒有正確安置在馬達轉軸上，唱盤將無法運轉。請再次檢查，確定已正確安裝。)
4 將唱片護墊放在轉盤上(圖 2b)。
5. 若有需要，可拆除鉸鍊式防塵蓋。要拆開唱盤防塵蓋，請先用雙手握住防塵蓋兩側，***輕柔均勻*** 地向上施力(圖 2c)。卸下後，請將防塵蓋放置在安全、潔淨處。
6. 若要重新安裝防塵蓋，請將防塵蓋鉸鍊頭對準位於唱盤機殼後方左右兩側的接口。

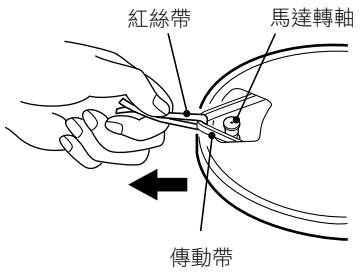
前級擴大機切換鈕(PHONO/LINE)

為提高使用彈性，本製品內建立體聲唱盤擴大機。前級擴大機切換鈕(PHONO/LINE)位於唱盤背面。若立體聲音響系統設有PHONO輸入端子，請將前級擴大機切換鈕設定至「PHONO」。若立體聲音響系統沒有PHONO輸入端子，請將前級擴大機切換鈕設定至「LINE」，並將唱盤輸出端子連接至立體聲音響系統的 AUX 或其他LINE IN輸入端子(詳見下文)(圖 3)。

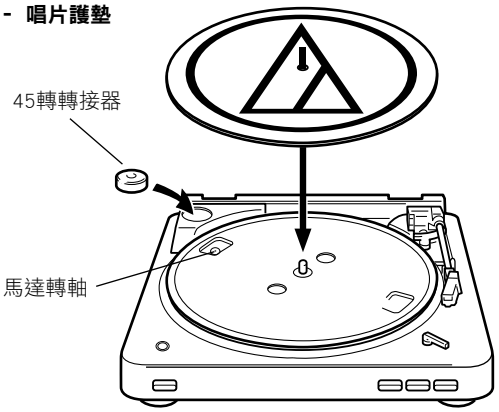
前級擴大機切換鈕之設定不影響無線連接。唱盤連接至*Bluetooth* 接收裝置時，開關可切換至任意位置。

圖 2-唱片機組裝

2a - 傳動帶



2b - 唱片護墊



2c - 拆除防塵蓋

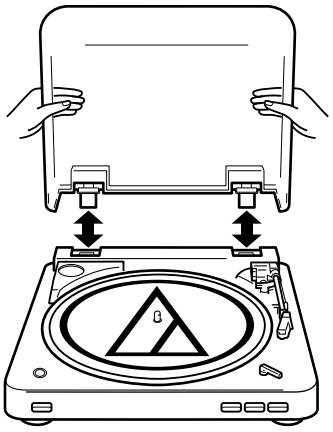
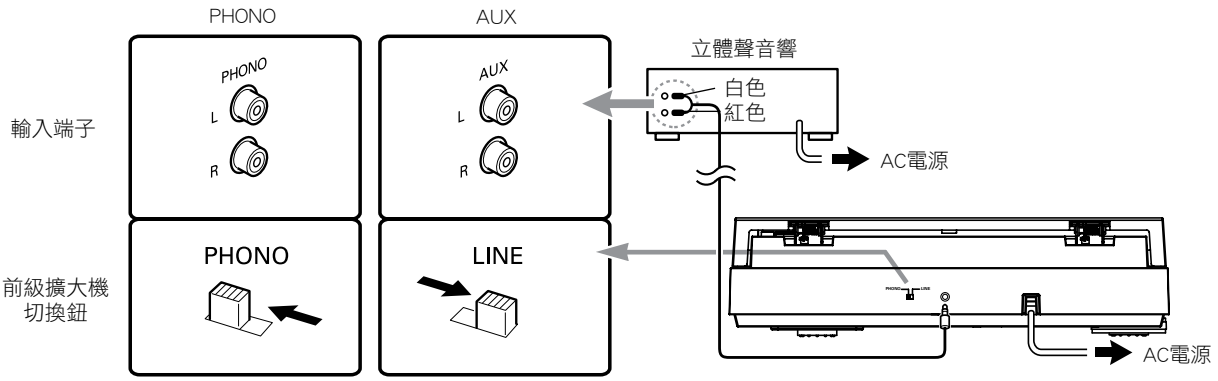


圖 3



初次組裝（續）

連接至立體聲音響系統(無線連接)

配對說明

若要將唱盤連接至*Bluetooth* 接收器裝置，需要與該裝置進行配對。配對成功後，除了以下情況，無需再次進行配對：

- *Bluetooth* 接收裝置連接記錄中，已刪除唱盤配對資訊，
- 唱盤送往維修，
- 唱盤連接至9部裝置或以上。

(唱盤最多可與8部裝置配對。配對滿8部裝置後，若需與新裝置配對，則配對日期最早的裝置資訊將被新裝置的資訊覆寫。)

如何進行配對

* 若要與*Bluetooth* 接收器裝置配對，請參閱使用手冊。
* 為保證配對順利，請將*Bluetooth* 接收器裝置放在離唱盤1公尺以內的範圍。

1. 將*Bluetooth* 接收器裝置設定至「配對模式」。
2. 唱盤電源線插頭連接至AC電源線插座後，長按配對無線功能按鈕約4秒鐘。按鈕的LED指示燈將開始閃爍紅光／藍光。
3. 配對完成後，指示燈將變成藍色。

聆聽音樂

1. 進行過配對之後，長按無線功能按鈕約2秒鍾，開啟*Bluetooth* 功能。開啟*Bluetooth* 接收器裝置，當指示燈顯示藍色時，表示訊號傳輸正常。
2. 按照自動操作(詳見下文)或手動操作(詳見第13頁)指示，播放及欣賞音樂。
3. 長按無線功能按鈕2秒鐘，即可切斷與*Bluetooth* 接收器裝置的連接。指示燈隨即關閉。

關於指示燈顯示

無線功能按鈕的 LED 指示燈閃爍或開啟，表示進入以下無線操作狀態：

操作狀態		LED 顯示模式 ● 紅光 ● 藍光	
配對	搜尋裝置	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● …	閃爍
連接	等待連接	— — — — — — …	
	連接中	…	燈亮

連接至立體聲音響系統(有線連接)

1. 將輸出線材的類比插頭連接至背板的類比輸出插座。
2. 先將輸出線材的紅色RCA插頭連接至立體聲音響系統右聲道輸入端子；再將白色RCA插頭連接至左聲道輸入端子。(第11頁)(圖3)。
3. 若唱臂仍固定於唱臂架上，請以順時針方向緩慢轉動轉盤 ***10 次***，以確保充分完成自動運作模式。
4. 請解開唱臂架上的唱臂固定帶。
5. 請將電源線連接至AC電源線插座。使用時，確保該插座可以提供AT-LP60-BT所需之電壓。

操作

自動操作

1. 請卸下唱頭的唱針護蓋(圖4)。
2. 將唱片放在唱盤上。若有需要，請使用每分鐘45轉的轉接器(圖5)。
3. 選擇唱片尺寸：12吋或7吋(圖6)。
4. 選擇轉速：每分鐘331/3 轉或每分鐘45轉(圖7)。
5. **開始：**輕按START鈕(圖8a)，啟動唱盤，唱臂將自動移至唱片槽。唱片播放完畢後，唱臂將自動回復至唱臂架位置，唱盤隨即關閉。
6. **停止：**唱片未播放完畢而需要停止播放時，請按STOP鈕(圖8b)。唱臂將自動升高並回復至唱臂架位置，唱機隨即關閉。
7. **暫停：**唱片未播放完畢而需要暫停播放時，請按唱臂Lift鈕(圖8c)。需要繼續播放時，請再次按Lift鈕。

圖 4

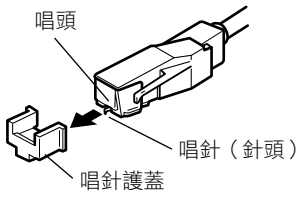
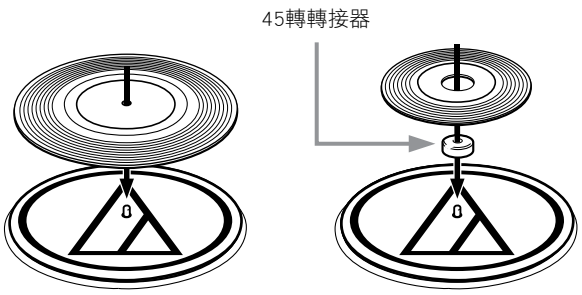


圖 5



操作說明（續）

警告：唱片播放完畢時，唱臂會升起，並自動返回唱臂架位置。當此動作發生時，***請勿干擾唱臂移動，否則可能造成機械損傷。***

若唱片播放完畢後，唱臂沒有自動返回唱臂架位置，請按STOP鍵完成操作。

手動操作

1. 請卸下唱頭的唱針護蓋(圖4)。
2. 將唱片放在轉盤上。若有需要，請使用每分鐘45轉的轉接器(圖5)。
3. 選擇唱片尺寸：12吋或7吋(圖6)。
4. 選擇轉速：每分鐘331/3 轉或每分鐘45轉(圖7)。
5. 請按Lift鈕，升起唱臂(圖8c)。
6. 輕移唱臂，使唱針停在唱片要播放的地方。
7. 再次按Lift鈕，輕輕放下唱臂，播放唱片。

圖 6

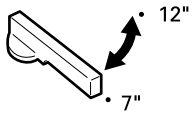


圖 7

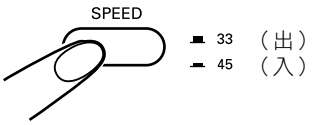
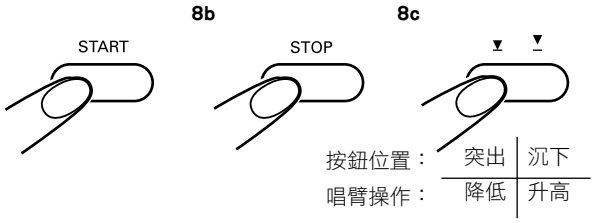


圖 8



更換唱針

抓住唱臂的頭部，並往前向下壓唱針的前端將其取下(圖9)。(當取下舊唱針時，請注意其位置與「感覺」，以便正確安裝新的唱針。)

請依照圖10a／10b所示安裝新的唱針，並小心不要觸摸到唱針本身。請確認唱針背面的突出部位***已先***確實完全進入唱頭本體(圖10a)，並聽到總成「喀」一聲卡進定位，而且其頂緣與黑色塑膠唱臂頭的前緣之間沒有縫隙（圖10b）。唱針在使用400小時之後將需要更換。

若要維持原有效能，請僅使用鐵三角原廠的更換用唱針。請注意唱針正面與包裝上是否有鐵三角商標（△）。

圖 9- 拆除唱針

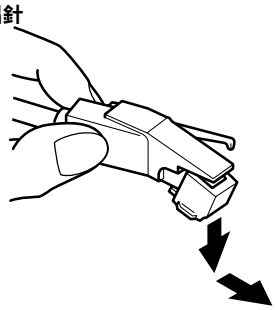
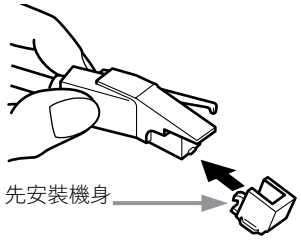
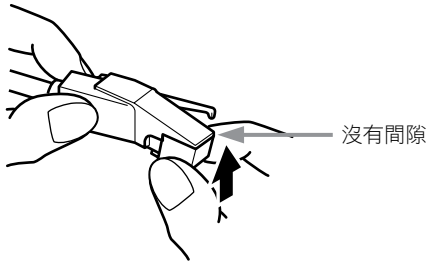


圖 10-安裝新唱針

10a



10b



故障排除

唱機無法操作

1. 請確實將唱盤的AC電源插頭插入AC電源插座，並確認電源插座「有電」。
2. 請檢查傳動帶，確認皮帶位於正確位置(請見圖11)。

   A) 從轉盤上取下唱盤護墊(圖11a)。請將唱盤護墊放入硬紙板收藏套中保存好。從轉盤上的開孔中目視檢查傳動帶是否繞在馬達轉軸上(圖11b)。

   (**注意：**若傳動帶沒有正確安置在馬達轉軸上，唱盤將無法運轉。請再次檢查，確定已正確安裝。)

   B) 若傳動帶沒有繞在馬達轉軸上：將唱盤提起並取下。將大拇指伸入轉盤上左右兩邊的開孔中；並用手指在唱盤機殼表面往下壓，然後將轉盤***垂直往上*** 提起(圖11c)。請注意不要在唱臂上施壓。

   C) 轉盤底朝上，將傳動帶沿轉盤驅動環的外壁安裝好，並確認傳動帶從頭到尾都平順無扭曲(圖11d)。

   D) 將唱盤放回中心軸上，確認完全就定位，並將其中一個開孔對準馬達轉軸位置。

   E) 從開孔中用手指或原來的紅絲帶小心勾住傳動帶(***切勿*** 使用尖銳物品)，並將傳動帶套在馬達轉軸上(圖11e)。請確認傳動帶在轉軸與轉盤驅動環之間是否有扭曲。

   F) 將唱盤護墊放回轉盤上。

   G) 將唱臂固定在其停止位置的同時，用手慢慢將轉盤往順時鐘方向轉10圈，以確認自動機制正常運作。

唱盤有運轉，可是沒有聲音

1. 唱針護蓋是否沒取下。
2. 唱臂升起鈕是否處於按下狀態。
3. 擴大機切換鈕是否設定錯誤：是否切換到錯誤的輸入模式、是否開啟磁帶轉錄監聽、喇叭電源是否未開啟。
4. 請檢查唱頭上的唱針位置是否正確(請參考第13頁的唱針更換說明)。
5. 若連接至*Bluetooth* 裝置，請確認無線連接是否正常(請參閱第12頁)。

唱盤有運轉，但是沒聲音或者聲音不夠大

1. 如果唱盤連接到AUX(高電平)輸入時：前級擴大機切換鈕是否誤設於「PHONO」位置。切換到「LINE」位置。
2. 喇叭或類似輸入裝置的增益是否過低。
3. 唱針是否未能在唱頭本體上完全定位(請參考第13頁圖10)。

聲音嚴重失真

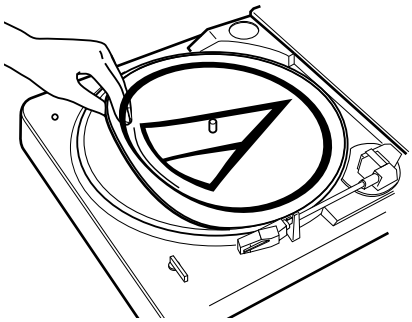
1. 唱盤連接到擴大機的PHONO輸入：前級擴大機切換鈕是否設定於「LINE」位置（ AUX 高電平輸出），導致PHONO輸入端子超載。

唱盤／唱臂輕微上下起伏

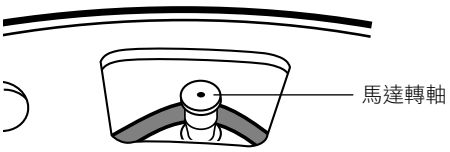
1. 通常都是正常現象，並非故障。若此情況造成唱盤無法穩定播放唱片時，請洽購入店家或本公司客服中心。***請確實檢查唱盤所放置的表面是否能承受地板、牆上或者直接從喇叭播放聲音所傳來的振動。***

圖 11——檢查傳動帶

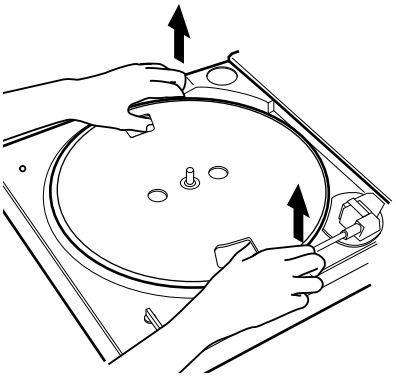
11a



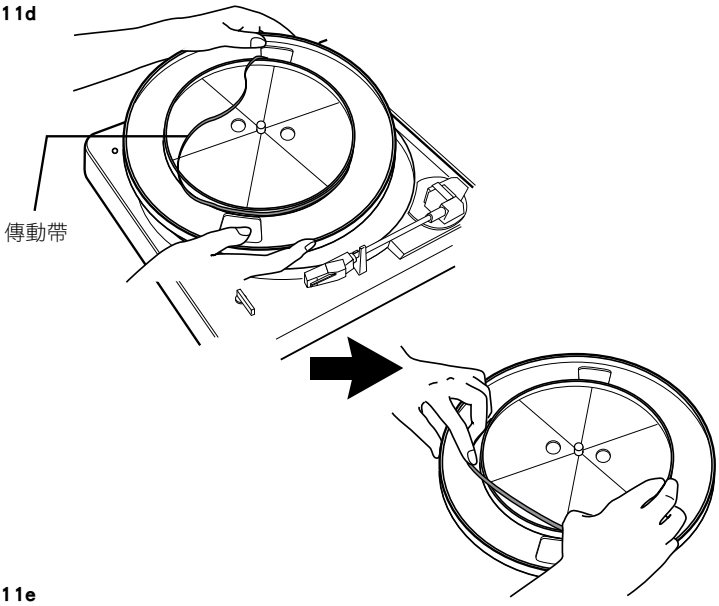
11b



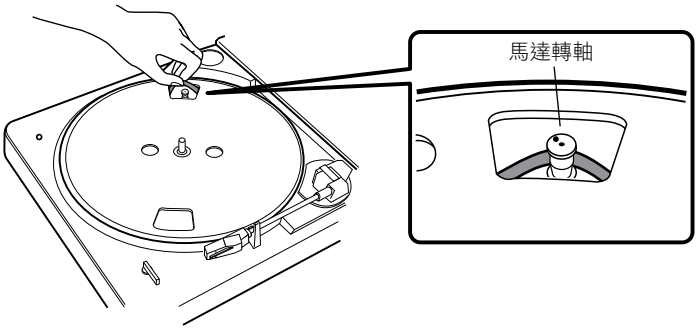
11c



11d



11e



高效能小技巧

- 在打開或關上唱盤防塵蓋時，請輕輕從中間或兩邊以相等力量打開或關上。
- 切勿用您的手指觸摸唱針尖端；請勿讓唱針撞擊唱盤護墊或唱片的邊緣。
- 請經常清理唱針尖端，***僅***可使用軟毛刷子**以由*後往前*移動的方式**清理。
- 使用唱針清潔液時，請**少量**使用即可。
- 請用軟布輕輕擦拭防塵蓋與唱盤機殼。僅可使用少量的溫和清潔劑清理唱盤與防塵蓋。
- 切勿在唱盤系統任何部位使用強力化學物品或溶劑。
- 在移動唱盤之前，務必將插頭從AC插座上拔掉，並用塑膠圈將唱臂固定在唱臂座上。

規格

通訊方式	*Bluetooth* 標準規格Ver.3.0
輸出功率	*Bluetooth* 標準規格Power Class2
最遠通訊距離	視線良好範圍10m以內
支援*Bluetooth* 通訊協定	A2DP
支援編解碼器	SBC
型式	全自動皮帶傳動式
轉碟	鋁合金
驅動馬達	DC Servo(直流伺服)
轉速	每分鐘33 1/3轉或45轉
顫動誤差	<0.25% (WRMS)
S/N比	>50dB (DIN-B)
唱頭型式	Integral Dual Magnet™ 立體聲唱頭附鑽石唱針
輸出電壓	
前級擴大「PHONO」	2.5 mV nominal at 1 kHz, 5 cm/sec
前級擴大「LINE」	150 mV nominal at 1 kHz, 5 cm/sec
前級擴大增益	36 dB nominal, RIAA equalized
電源	AC220V, 50Hz, 3W(香港)／AC110V, 60Hz, 3W(台灣)
外形尺寸	360.0 mm W×97.5 mm H×356.0 mm D
重量	2.98kg
附屬品	3.5mm立體聲迷你插頭⇔立體聲RCA插頭轉接線、45轉轉接器、可拆式絞鍊防塵蓋
更換用唱針	ATN3600L

- *Bluetooth* 之商標與標誌均為Bluetooth SIG,Inc.所有，Audio-Technica股份有限公司基於其授權而使用該商標。
  其餘商標與商品名稱皆歸屬於其各自之所有者。
- 因改良而有所變更時，恕不另行告知。



此标志适用于在中国销售的电子信息产品，《电子信息产品污染控制管理办法》以及SJ/T11364《电子信息产品污染控制标识要求》， 表示该产品在使用完结后可再利用。数字表示的是环境保护使用期限， 只要遵守与本产品有关的安全和使用上的注意時項， 从制造日算起在数字所表示的年限内， 产品不会产生环境污染和对人体、财产的影响。
电池等付属品和产品一同包装的， 产品和附属品的环保使用期限可能不同。
产品适当使用后报废的方法请遵从电子信息产品的回收、再利用相关法令。详细请咨询各级政府主管部门。

产品中所含有毒有害物质或元素的名称及含量

部件名称 （大体分类）	有毒有害物质或元素					
	铅 （Pb）	水银 （Hg）	镉 （Cd）	六价铬 （CrVI）	多溴联苯 （PBB）	多溴二苯醚 （PBDE）
机体（金属部件）	×	○	○	○	○	○
实装基板/电气部件	×	○	○	○	○	○
缆线类	×	○	○	○	○	○

备注
○：表示该有毒有害物质在该部件所有均质材料中的含量均在GB/T26572标准规定的限量要求以下。
×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出GB/T26572标准规定的限量要求。
因为在当代技术下还没有可替代的物质。

English

This explanation is a guidance concerned with the environmental laws and regulations of the People's Republic of China. The printed information as well as the list of contained materials conform with the standard values established by the related laws and regulations of the People's Republic of China, and does not apply to other Restrictions of Hazardous Substances including Europe's RoHS directive.

Deutsch

Diese Erklärung ist eine Anleitung , die sich mit den Umweltgesetzen und -regelungen der Volksrepublik China befasst. Die gedruckten Informationen, sowie die Liste der enthaltenen Materialien stimmen mit den Vorgabewerten, die durch die zugehörigen Gesetze und Regelungen der Volksrepublik China eingeführt wurden, überein. Sie treffen nicht auf andere umweltbezogene Regelungen inklusive der Europäischen RoHS-Richtlinie zu.

Français

Ceci est un guide concernant les lois et l'ensemble des réglementations de la République populaire de Chine sur l'environnement. Les informations ci-présentes ainsi que la liste des produits spécifiés sont conformes aux normes établies par les lois et les règlements en vigueur en République populaire de Chine, et ne s'appliquent pas aux autres restrictions sur les substances dangereuses ni à la directive RoHS de l'Union Européenne.

Español

Esta explicación es un consejo con respecto a las leyes medioambientales y regulaciones de la República Popular China. La información impresa así como la lista de materiales contenidos están conformes con los valores estándar establecidos por las leyes y regulaciones relacionadas de la República Popular China, y no se aplica a otras Restricciones de Substancias Peligrosas incluyendo la directriz RoHS de Europa.

Português

Esta explicação é uma orientação relacionada com leis e regulamentos ambientais da República Popular da China. As informações impressas, bem como a lista dos materiais incluídos com os valores padrão estabelecidos pelas leis e regulamentações da República Popular da China e não se aplica a outras restrições relacionadas com substâncias perigosas, incluindo a directiva RoHS europeia.

Italiano

Questa spiegazione è una guida relativa alle leggi ed ai regolamenti ambientali della Repubblica Popolare Cinese. Le informazioni stampate, nonché la lista dei materiali contenuti, sono conformi ai valori standard stabiliti dalle relative leggi e regolamentazioni della Repubblica Popolare Cinese, e non sono applicabili ad altre Restrizioni di Sostanze Nocive, inclusa la direttiva Europea RoHS.

Nederlands

Deze uitleg is een advies met betrekking tot de milieu wetten en regelgeving van de Volksrepubliek China. Zowel de gedrukte informatie als de inhoudslijst van materialen beantwoorden aan de standaard waarden tot stand gekomen door de van toepassing zijnde wetten en regels van de Volksrepubliek China en gelden niet voor andere beperkingen van riskante substanties inclusief de Europese RoHS richtlijn.

Dansk

Denne forklaring er en vejledning omhandlende Folkerepublikken Kinas miljømæssige love og bestemmelser. Både de trykte oplysninger og de indeholdte materialer er i overensstemmelse med standardværdierne, som er blevet etableret af Folkerepublikken Kinas relaterede love og bestemmelser, og gælder ikke andre restriktioner for farlige stoffer inklusiv Europas RoHS direktiv.

Svenska

Den här förklaringen är en vägledning gällande kinesiska miljölagar. Informationen och materiallistan överensstämmer med standardvärdena i de kinesiska miljölagarna, och tillämpas inte av andra restriktioner för farliga ämnen, såsom det europeiska RoHS-direktivet.

Jęyzk polski

Wyjaśnienie to jest poradnik, dotyczący praw ochrony środowiska i regulacji Chińskiej Republiki Ludowej. Wydrukowana informacja jak również lista załączonych materiałów potwierdzają zgodność z standardowymi wartościami, oszacowanymi przez właściwe prawa i regulacje Chińskiej Republiki Ludowej, a nie mogą być one stosowane do restrykcji o niebezpiecznych substancjach, łącznie do dyrektywy UE o RoHS.

Русский

Это пояснение является руководством, связанным с экологическими законами и инструкциями Народной Республики Китай. Печатная информация, также как список содержащихся материалов, соответствует стандартным значениям, установленными соответствующими законами и инструкциями Народной Республики Китай и не применяется к другим Ограничениям Опасных Веществ, включая директиву Европы RoHS.

Suomi

Tämä selitys on Kiinan kansantasavallan ympäristölakeihin ja asetuksiin liittyvä ohje. Painetut tiedot samoin kuin sisältyvien materiaalien lista noudattavat standardiarvoja, jotka on määritetty Kiinan kansantasavallan vastaavissa laeissa ja asetuksissa eivätkä päde muihin vaarallisten aineiden käyttöä rajoittaviin asetuksiin mukaan luettuna Euroopan RoHS-direktiivi.

한국어

이 설명문은 중화인민공화국의 환경법 규제에 관한 안내입니다.
기재 내용 및 물질 함유의 표시는 중화인민공화국의 관련 법규에 규정된 기준치에 대한 적합 여부를 나타내며, 유럽 연합의 RoHS지령을 포함한 다른 유해물질 사용제한규제에는 적용되지 않습니다.

日本語

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Memo

Memo

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Audio-Technica Corp.
2-46-1 Nishi-naruse, Machida, Tokyo 194-8666, Japan

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中国大陆客户联系资料
代理商：广州市德讯贸易有限公司
地址：广州市越秀区中山二路31号鸿瑞大厦908室
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總代理：鐵三角(大中華)有限公司
地址：香港九龍紅磡民裕街51號凱旋工商中心第二期9樓K室
電話：+852 - 23569268

台灣地區客戶聯絡資料
進口廠商：台灣鐵三角股份有限公司
地址：32050 桃園市中壢區過嶺里福達路二段322巷6號
服務專線：0800 - 774488
原產地：中國深圳市

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