



## Lenco L-92WA Belt Drive Turntable with PC Encoding and Auto Return User Manual

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Lenco L-92WA Belt Drive Turntable with PC Encoding and Auto Return



### CAUTION:

Usage of controls or adjustments or performance of procedures other than those specified herein may result in

hazardous radiation exposure.

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## PRECAUTIONS BEFORE USE

### KEEP THESE INSTRUCTIONS IN MIND:

1. Do not cover or block any ventilation openings. When placing the device on a shelf, leave 5 cm (2") free space around the whole device.
2. Install in accordance with the supplied user manual.
3. Keep the device away from heat sources such as radiators, heaters, stoves, candles and other heat-generating products or naked flame. The device can only be used in moderate climates. Extremely cold or warm environments should be avoided. Working temperature between 0° and 35°C.
4. Avoid using the device near strong magnetic fields.
5. Electrostatic discharge can disturb normal usage of this device. If so, simply reset and restart the device following the instruction manual. During file transmission, please handle with care and operate in a staticfree environment.
6. Warning! Never insert an object into the product through the vents or openings. High voltage flows through the product and inserting an object can cause electric shock and/or short circuit internal parts. For the same reason, do not spill water or liquid on the product
7. Do not use in wet or moist areas such as bathrooms, steamy kitchens or near swimming pools.
8. The device shall not be exposed to dripping or splashing and make sure that no objects filled with liquids, such as vases, are placed on or near the apparatus.

9. Do not use this device when condensation may occur. When the unit is used in a warm wet room with damp, water droplets or condensation may occur inside the unit and the unit may not function properly; let the unit stand in power OFF for 1 or 2 hours before turning on the power: the unit should be dry before getting any power
10. Although this device is manufactured with the utmost care and checked several times before leaving the factory, it is still possible that problems may occur, as with all electrical appliances. If you notice smoke, an excessive build-up of heat or any other unexpected phenomena, you should disconnect the plug from the main power socket immediately
11. This device must operate on a power source as specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company.
12. Keep away from animals. Some animals enjoy biting on power cords.
13. To clean the device, use a soft dry cloth. Do not use solvents or petrol based fluids. To remove severe stains, you may use a damp cloth with dilute detergent
14. The supplier is not responsible for damage or lost data caused by malfunction, misuse, modification of the device or battery replacement.
15. Do not interrupt the connection when the device is formatting or transferring files. Otherwise, data may be corrupted or lost
16. If the unit has USB playback function, the USB memory stick should be plugged into the unit directly. Don't use an USB extension cable because it can cause interference resulting in failing of data.
17. The rating label has been marked on the bottom or back panel of the device.
18. This device is not intended for use by people (including children) with physical, sensory or mental disabilities, or a lack of experience and knowledge, unless they're under supervision or have received instructions about the correct use of the device by the person who is responsible for their safety.
19. This product is intended for non-professional use only and not for commercial or industrial use.
20. Make sure the unit is adjusted to a stable position. Damage caused by using this product in an unstable position vibrations or shocks or by failure to follow any other warning or precaution contained within this user manual will not be covered by warranty
21. Never remove the casing of this device
22. Never place this device on other electrical equipment
23. Do not allow children access to plastic bags.
24. Only use attachments/accessories specified by the manufacturer.
25. Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as the power supply cord or the plug, when liquid has been spilled or objects have fallen into the device, when the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
26. Long exposure to loud sounds from personal music players may lead to temporary or permanent hearing loss.
27. If the product is delivered with power cable or AC power adaptor:  
If any trouble occurs, disconnect the AC power cord and refer servicing to qualified personnel.  
Don't step on or pinch the power adaptor. Be very careful, particularly near the plugs and the cable's exit point.  
Do not place heavy items on the power adaptor, which may damage it. Keep the entire device out of children's reach! When playing with the power cable, they can seriously injure themselves.  
Unplug this device during lightning storms or when unused for a long period.  
The socket outlet must be installed near the equipment and must be easily accessible.

Do not overload ac outlets or extension cords. Overloading can cause fire or electric shock.

Devices with class 1 construction should be connected to a main socket outlet with a protective earthed connection. Devices with class 2 construction do not require a earthed connection.

Always hold the plug when pulling it out of the main supply socket. Do not pull the power cord. This can cause a short circuit. Do not use a damaged power cord or plug or a loose outlet.

Doing so may result in fire or electric shock.

28. If the product contains or is delivered with a remote control containing coin/cell batteries: Warning:

“Do not ingest battery, Chemical Burn Hazard” or equivalent warning. [The remote control supplied with] This product contains a coin/button cell battery. If the battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

29. Caution about the use of Batteries:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Battery cannot be subjected to high or low extreme temperatures, low air pressure at high altitude during use, storage or transportation. Replacement of a battery with an incorrect type that can result in an explosion or the leakage of flammable liquid or gas.

Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery that can result in an explosion.

Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or that leakage of flammable liquid or gas.

A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

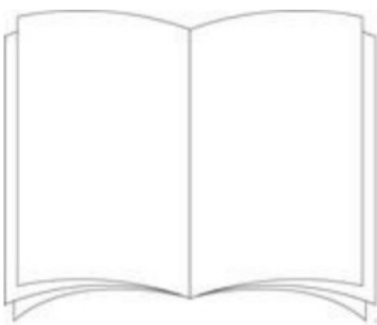
Attention should be drawn to the environmental aspects of battery disposal.

## INSTALLATION

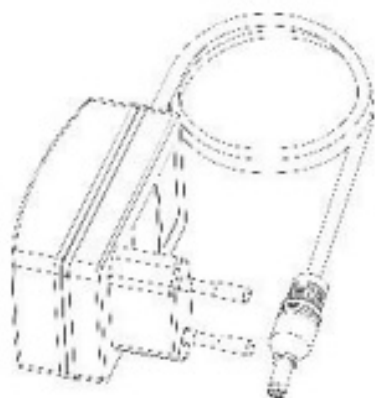
- Unpack all parts and remove protective material.
- Do not connect the unit to the mains before checking the mains voltage and before all other connections have been made.

### Deliver Content

1x Manual



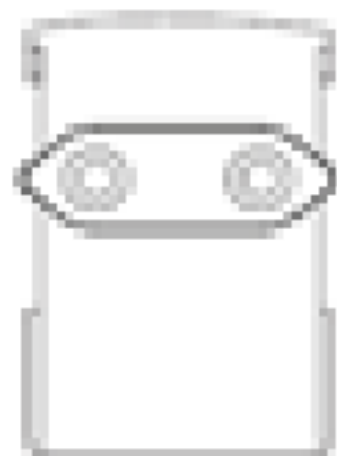
1x Power Adaptor



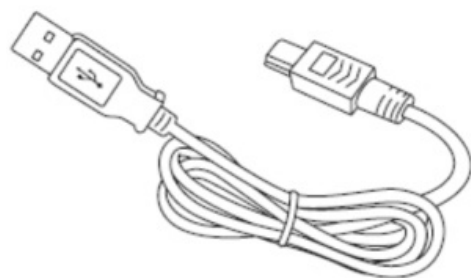
1x UK plug



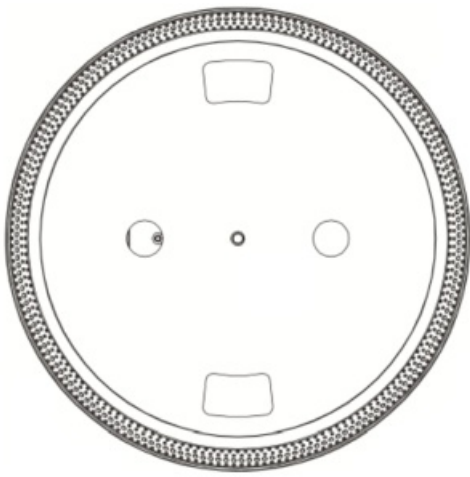
1x CE plug



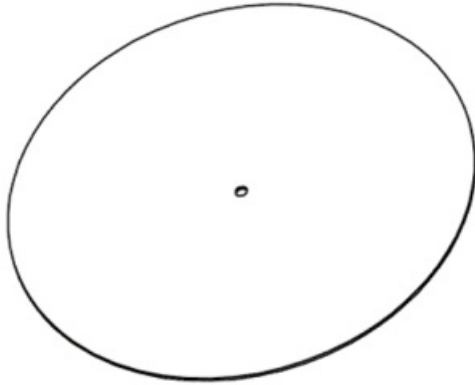
1x USB connection cable



1x Platter



1x Felt Mat

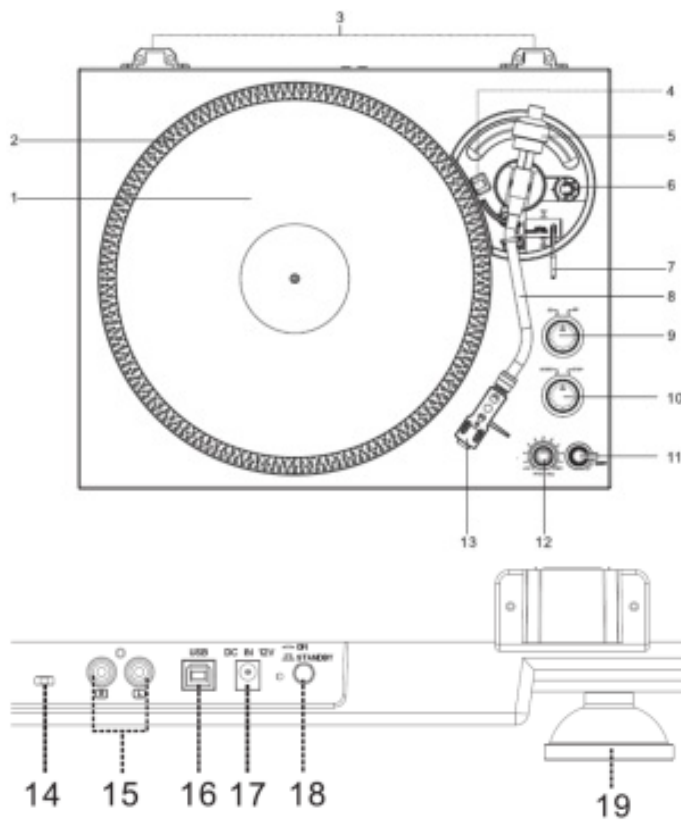


## PRODUCT FEATURES

- 33/45 RPM SELECTABLE TURNTABLE
- BELT DRIVEN SYSTEM
- AUTO-RETURN TONE ARM
- LIFT LEVER
- RCA LINE-OUT
- DETTACHABLE HEADSHELL
- PC LINK: CONNECTION WITH COMPUTER VIA USB PORT FOR TURNTABLE RECORDING – +/
- 50% PITCH CONTROL
- ACCESSORIES INCLUDED:

1. TURNTABLE PLATTER
2. SLIP MAT
3. DUST COVE
4. 45 RPM ADAPTOR
5. WEIGHT COUNTER
6. AUDIO TECHNICA CARTRIDGE AT-3600L
7. USB CABLE
8. OPERATION MANUAL
9. EXTERNAL POWER ADAPTOR

## PARTS OF DEVICE



1. TURNTABLE PLATTE
2. STROB DOTS
3. HINGE FOR DUST COVER
4. STROB LIGHT
5. WEIGHT COUNTER
6. ANTI SKATE KNOB
7. LIFT LEVER
8. TONE ARM
9. 33RPM / 45RPM SPEED SELECTOR
10. PLAY/STOP SWITCH
11. RETURN SWITCH
12. PITCH CONTROL KNOB (+/- 50%)
13. HEADSHELL
14. LINE/PHONO SELECTOR
15. RCA LINE-OUT SOCKET
16. USB PORT
17. EXTERNAL POWER ADATOR JACK
18. ON/STANDBY BUTTON
19. TURNTABLE FOOT

**CAUTION:**

USAGE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THIS UNIT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT QUALIFIED SERVICE PERSONNEL.

**WARNING:**

- THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.
- THE MAINS PLUGS OR AN APPLIANCE COUPLER IS USED AS THE DISCONNECT DEVICE, AND THE DISCONNECT DEVICE SHALL REMAIN READILY OPERABLE.

## PRECAUTIONS FOR USE

### INSTALLATION

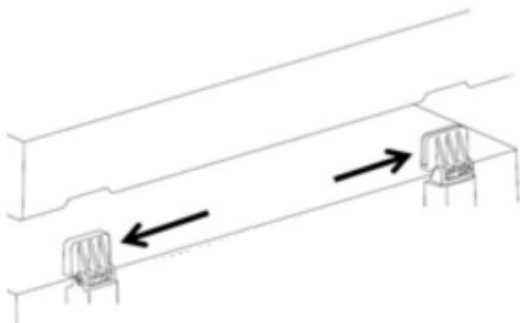
- UNPACK ALL PARTS AND REMOVE PROTECTIVE MATERIAL.
- DO NOT CONNECT THE UNIT TO THE MAINS BEFORE CHECKING THE MAINS VOLTAGE AND BEFORE ALL OTHER CONNECTIONS HAVE BEEN MADE
- DO NOT COVER ANY VENTS AND MAKE SURE THAT THERE IS A SPACE OF SEVERAL CENTIMETERS AROUND THE UNIT FOR VENTILATION

### CONNECTION

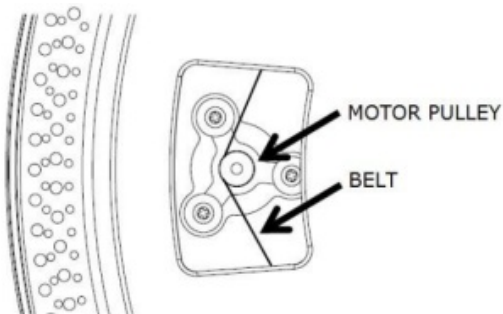
1. CONNECT THE **EXTERNAL POWER ADAPTOR WITH** EXTERNAL POWER ADAPTOR SOCKET.
2. PLUG THE EXTERNAL POWER ADAPTOR INTO A SUITABLE MAINS SOCKET
3. PUSH IN THE **ON/STANDBY BUTTON** ON THE BACK PANEL TO SWITCH ON THE UNIT FROM STANDBY MODE.

### OPERATION

- INSTALL THE DUST COVER INTO HINGE ON THE UPPER CABINET

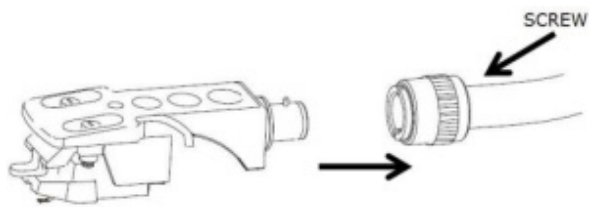


- SET THE TURNTABLE PLATTER ONTO THE CENTER SPINDLE.
- ATTACH THE DRIVE BELT: POSITION THE BELT ON THE MOTOR PULLEY, THE DRIVE BELT IS TIGHTENED UNDER THE TURNTABLE PLATTER.



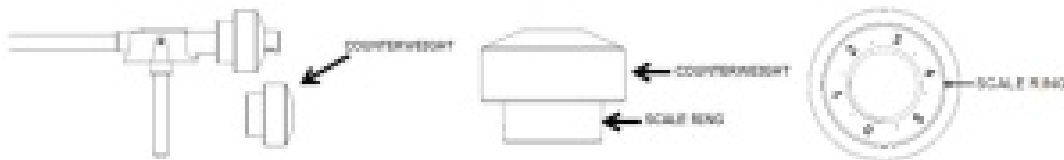
- PLACE THE SLIP MAT ON THE TURNTABLE PLATTER.
- INSERT THE **HEADSHLL** INTO THE FRONT END OF THE TONEARM, THEN SCREW THE LOCK NUT WITH THE **HEADSHELL** FIRMLY HELD HORIZONTALLY.



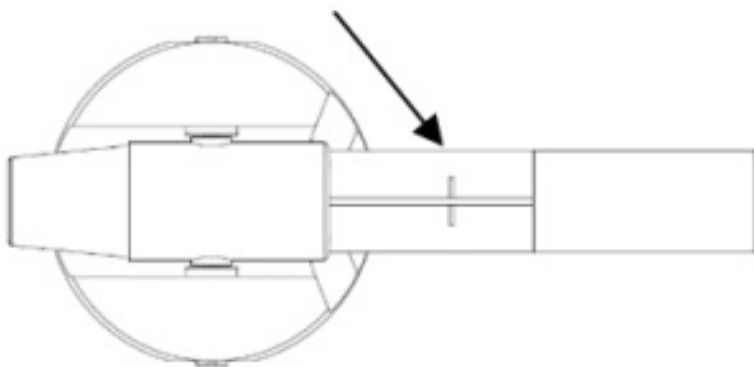


## INSTALL THE COUNTERWEIGHT

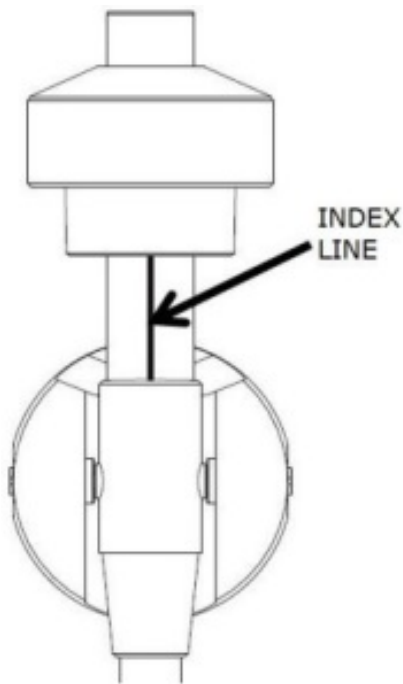
– SLIDE **COUNTERWEIGHT** ONTO THE TONEARM. TWIST IT LIGHTLY AND IT WILL SCREW INWARDS ONTO THE REAR END OF THE **TONEARM**. EVERY FULL TURN OF THE SCALE RING REPRESENTS AROUND 2.4 GRAM (+/-0.4 GRAM).



– FOR THE DEFAULT AUDIO-TECHNICA AT-3600L CARTRIDGE, TURN THE COUNTERWEIGHT INWARDS UP TO THE HORIZONTAL LINE ON THE REAR END OF THE **TONEARM**.



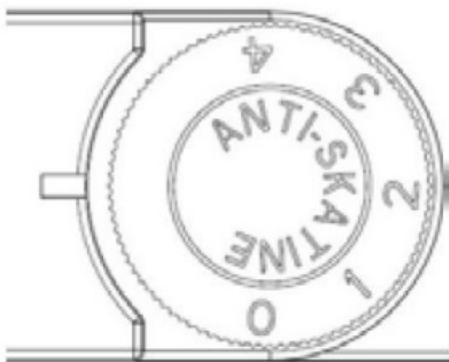
– HOLD THE COUNTER WEIGHT WITH ONE HAND, TURN SCALE RING TO “3” AGAINST THE INDEX LINE ON THE SHAFT YOUR ANOTHER HAND AND MAKE SURE NOT TO TURN THE COUNTER WEIGHT, ONLY TURN THE SCALE RING! THE TRACKING FORCE WILL BE AROUND 3.0 GRAM (+/-0.4 GRAM).



- IF NECESSARY, TURNING THE **COUNTER WEIGHT** INWARDS INCREASES THE TRACKING FORCE, WHILE TURNING **THE COUNTER** WEIGHT BACKWARDS DECREASES THE TRACKING FORCE.
- FOR OTHER CARTRIDGES, YOU CAN ADJUST THE TRACKING FORCE BY TURNING COUNTERWEIGHT INWARDS OR BACKWARDS. EACH NUMBER ON THE SCALE RING CORRESPONDS TO AROUND 0.4GRAM OF TRACKING FORCE.

#### ANTI-SKATING ADJUSTMENT

The anti-skate adjustment prevents the TONEARM ASSEMBLY from skipping across the record from the centrifugal force that is caused spinning rotation of the PLATTER. The ANTI SKATING control knob should be set to the same value as the stylus pressure. For example if your COUNTERWEIGHT is set to 3 grams the ANTI-SKATE value should also be set to 3.



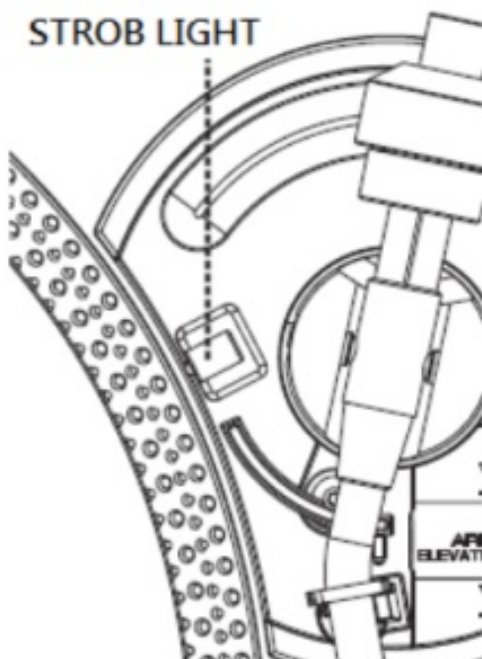
#### PICKUP SELECTOR

- **LINE / PHONO SELECTOR** IS LOCATED AT THE BACK PANEL.
- SELECT “**PHONO**”, AUDIO SIGNAL WILL BY PASS INTERNAL PRE-AMPLIFIER WITHOUT ANY PROCESSOR. THEN TURNTABLE HAS TO BE CONNECTED WITH EXTERNAL PRE-AMPLIFIER OR PHONO CONNECTOR OF AN AMPLIFIER IF AVAILABLE FOR MUSIC PLAYBACK.
- SELECT “**LINE**”, AUDIO SIGNAL WILL BE PROCESSED BY INTERNAL PRE-AMPLIFIER. TURNTABLE CAN BE DIRECTLY CONNECTED WITH AN ACTIVE SPEAKER OR LINE IN CONNECTOR OF AN AMPLIFIER FOR

## MUSIC PLAYBACK.

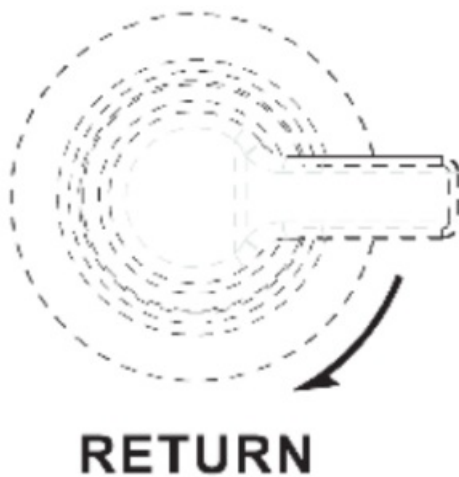


- REMOVE THE STYLUS PROTECTOR.
- BE SURE THAT THE TONE ARM IS BEING DETACHED FROM THE TONE ARM REST PART BEFORE OPERATING AND RE-SECURED AGAIN AFTERWARDS.
- PUSH THE **LIFT LEVER** UPWARD TO RAISE THE TONE ARM FROM THE ARM PARK, AND THEN SLOWLY MOVE IT TO THE RECORD SIDE. THE PLATTER WILL START TO ROTATE.
- PUT DOWN THE **LIFT LEVER** TO DROP THE TONE ARM AND TOUCH THE RECORD GENTLY. PHONO PLAYING STARTS NOW.
- PUSH THE **LIFT LEVER** UPWARD TO RAISE THE TONE ARM FROM THE ARM PARK, NOW PLATTER WILL STILL BE ROTATING BUT PHONO PLAYING WILL STOP. TO CONTINUE THE PLAYING, THE USER NEEDS TO PUT DOWN THE **LIFT LEVER**.
- TURN SPEED SELECTOR TO 33RPM OR 45RPM, DEPENDING ON THE RECORD TO BE PLAYED.
- TURN **START / STOP SWITCH** TO STOP TURNTABLE FROM ROTATING OR RESUME TO WORK.
- **STROB DOTS** ON THE TURNTABLE PLATTER FOR SPEED CHECKING. UPPER ROWS OF BIGGER DOTS FOR 33RPM, UPPER ROWS OF SMALLER DOTS FOR 45RPM. ADJUST SPEED BY **PITCH CONTROL SLIDER (+/-50%)** IF NECESSARY. SUITABLE DOTS WILL KEEP STABILIZED UNDER **STROB LIGHT** IF THE SPEED IS CORRECT.



- USE THE 45 RPM ADAPTOR IF REQUIRED.
- AT THE END OF RECORD, THE PLATTER WILL AUTOMATICALLY STOP ROTATING, TONE ARM WILL AUTOMATICALLY RETURN TO THE TONE ARM REST PART.
- TRIGGER THE RETURN SWITCH DURING RECORD PLAYING, TURNTABLE WILL STOP GENTLY AND TONE ARM WILL AUTOMATICALLY RETURN TO THE TONE ARM REST PART.

**Warning:** The tone-arm can return automatically during normal 33RPM in LP and 45RPM in EP. For 45RPM in LP the tone arm cannot return automatically unless using the “Return” switch to activate auto return!



## LINE OUT SOCKET

– THIS SYSTEM CAN BE CONNECTED WITH EXTERNAL DEVICE (EG. AMPLIFIER AND ACTIVE SPEAKER) BY RCA LINEOUT SOCKETS AT REAR CABINET.

## DIGITALIZING TURNTABLE INTO COMPUTER

Download the Audacity software from <https://www.audacityteam.org/download/>  
[Connect the Lenco L-92 to your computer with the USB cable](https://www.audacityteam.org/download/)

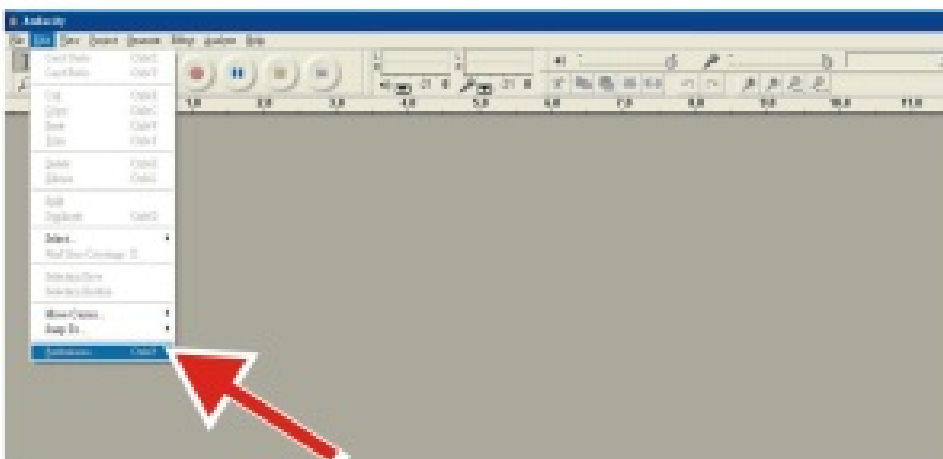
### Audacity software overview

Audacity is free software, licensed under the GNU General Public License (GPL). More information as well as open source code can be found on the web at <https://www.audacityteam.org/download/>

- Please ensure you have installed the software before starting.

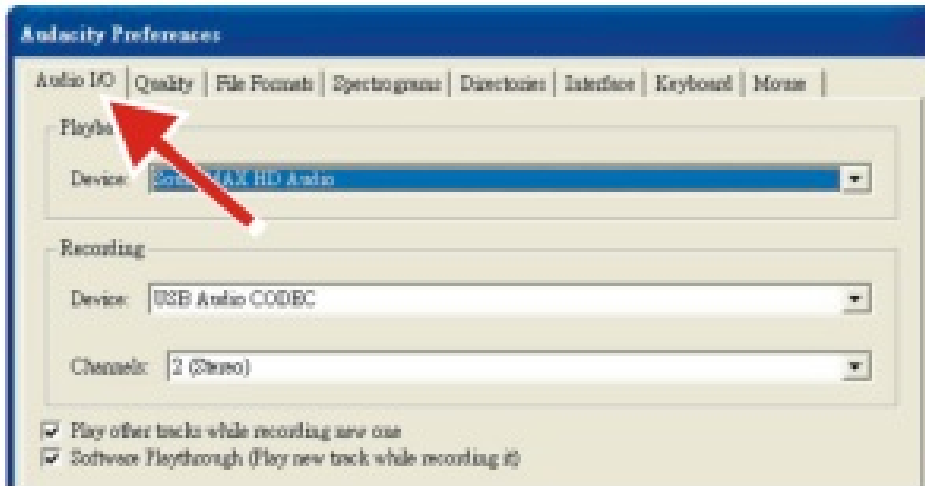
### Setting up your PC to work with Audacity

1. Connect the provided USB cable to the turntable.
2. Connect the left USB plug of this USB cable to your pc.
3. Install the Audacity recording software.
4. Open the Audacity program.
5. Select Preference from the Edit tab in the Audacity Menu



6. Select Audio I/O tab at the top left.

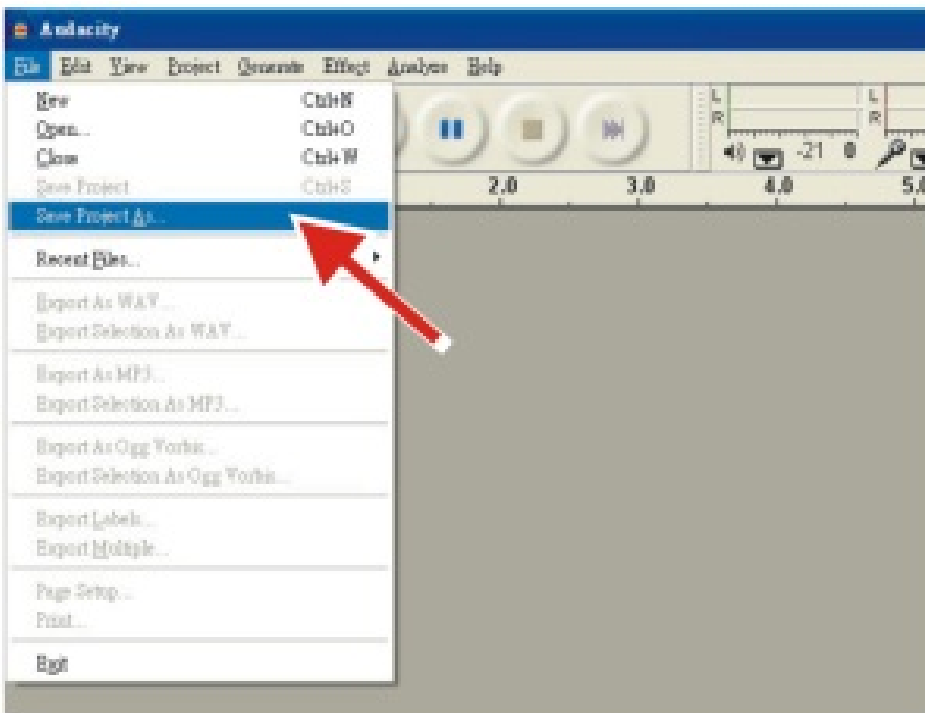
- Under Playback, Device, select your internal sound card.
- Under Recording, Device, select USB Audio CODEC.
- Under Recording, Channels, select 2 (Stereo).
- Check the box marked Play other tracks while recording new one.
- Check the box marked Software Playthrough.




## Recording Albums with Audacity



### 1. Saving a project

- Audacity writes all the changed and recorded audio to a directory called Projectname\_data, which is located right where you saved the project file itself.
- Thus, select Save Project as from your Audacity File tab and choose a location and filename for your project.
- Please note that when you startup Audacity fresh, only the “Save As...” menu option is available.



### 2. How to record

- Set your USB turntable up to play the song or album you want to record.
- Click on the red Record button  to begin recording.

- Lower tone arm on USB turntable onto album and track you want to record.
- Click on the blue Pause button  to pause the recording. Press it again to continue.
- Click on the yellow Stop button .

That's it. You can now play around with your recording and explore the editing capabilities of Audacity. Remember that you can use the Undo function almost without limits while the project is open.

## General Specification

**Model:** L-92WA

**Dimensions:** 450(W) x 355(D) x 130(H)mm

**Weight:** 3.6Kg

**Power supply:** AC ADAPTER 100V-240V 50/60Hz 0.65A

**Power consumption:** 3W

**Standard test condition:** Ambient Temperature: 20 +/- 2 deg.C

**Relative Humidity:** 65% +/- 5%

**NOTE:** Measurements can be carried out between 5 deg.C to 35 deg.C and 45% to 85% relative humidity

## Turntable Section:

**Type:** 2-speed full manual

**Motor:** Miniature permanent magnet DC brushes

**Driving Method:** Belt drive

**Turntable Platter:** 332mm (Aluminum)

**Speeds:** 33 and 45rpm

**Wow and Flutter:** Less than 0.3% WRMS (JIS WTD) with 33 rpm

**S/N Ratio:** More than 50dB (DIN-B)

**Pitch Controls:** +/- 50%

**Starting Torque:** N/A

**Braking System:** Electronic brake

**Starting Time:** Less than 2 sec.

**Braking Time:** Less than 2sec.

**Time for Speed Change:** Less than 2 sec. from 33 to 45 rpm.

Less than 2 sec. from 45 to 33 rpm.

**USB Function:** PC link (recording from turntable to computer by USB port)

**Computer interface:** USB 1.1 compliant 7/8/10 or MAC OSX

## Tonearm section:

**Type:** Static balanced S-shaped tone arm

**Effective Arm Length:** 200mm

**Overhang:** 10mm

**Tracking Error Angle:** Less than 3 degree

**Tracking Force Adjustment Range:** 3-4g

**Cartridge MM Type:** Audio Technica AT-3600L

**Stylus pressure:** 3.0±0.5g

**Cartridge weight:** 2.5±0.5g

**Anti-skating Range:** 0~4g

**Channel Separation:** More than 18 dB

**Channel Balance:** Within 2.5dB at 1KHz

## Pre-Amplifier

**Output:** 150mV +/-4dB (IN: 2.5mV 1KHz)

**RIAA (Frequency Response):** 20Hz~20KHz +1/-3dB (IN: 1.5mV 1KHz)

Power supply adaptor

Use only the power supply listed in the user instructions

Information	Value and and precision
Manufacturers name or trade mark, commercial registration and address	Shenzhen Tianhangxing Electronics Co., Ltd. 5/F, Building 10, Zhengzhong Industrial Park, Qiaotou Village, Fuyong Town, Baoan District. Shenzhen, Guangdong 518103 P.R. China
Model Identifier	THX-120050KB
Input voltage	100-240VAC
Input AC frequency	50/60Hz
Output voltage	12.0V
Output current	0.5A
Output Power	6.0W
Average active efficiency	73%
Efficiency at low load (10%)	N/A
No load Power consumption	$\leq 0.1W$

## Guarantee

Lenco offers service and warranty in accordance with the European law, which means that in case of repairs (both during and after the warranty period) you should contact your local dealer.

Important note: It is not possible to send products that need repairs to Lenco directly.

Important note: If this unit is opened or accessed by a non-official service center in any way, the warranty expires. This device is not suitable for professional use. In case of professional use, all warranty obligations of the manufacturer will be voided.

## Disclaimer

Updates to Firmware and/or hardware components are made regularly. Therefore some of the instruction,

specifications and pictures in this documentation may differ slightly from your particular situation. All items described in this guide for illustration purposes only and may not apply to particular situation. No legal right or entitlements may be obtained from the description made in this manual.

Disposal of the Old Device



This symbol indicates that the relevant electrical product or battery should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product and battery, please dispose them in accordance to any applicable local laws of requirement for disposal of electrical equipment or batteries. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste (Waste Electrical and Electronic Equipment Directive).

CE Marking




Products with the CE marking comply with the EMC Directive (2014/30/EU) and the Low Voltage Directive (2014/35/EU) issued by the Commission of the European Community.  
Hereby, Lenco Benelux BV, Thermiekstraat 1a, 6361 HB Nuth, The Netherlands, declares that this product is in compliance with the essential requirements.  
The declaration of conformity may be consulted at [techdoc@lenco.com](mailto:techdoc@lenco.com)

Service

For more information and helpdesk support, please visit [www.lenco.com](http://www.lenco.com)  
Lenco Benelux BV, Thermiekstraat 1a, 6361 HB Nuth, The Netherlands

Documents / Resources

	<p><a href="#">Lenco L-92WA Belt Drive Turntable with PC Encoding and Auto Return</a> [pdf] User Manual L-92WA, Belt Drive Turntable with PC Encoding and Auto Return, L-92WA Belt Drive Turntable with PC Encoding and Auto Return</p>
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