® RadioShack

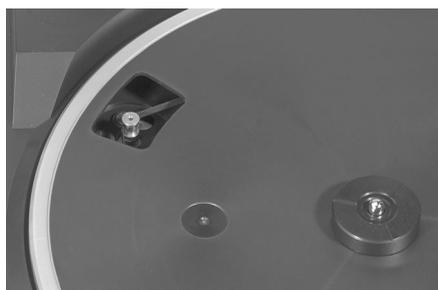# Fully-Automatic Belt Drive Turntable with Pre-Amp
42-7012

Thank you for buying the RadioShack LAB-1200 Fully-Automatic Belt Drive Turntable. This is a high quality stereo turntable with sensitive pickup and a built-in pre-amp that delivers great sound from your records.

Rubber mat

45 RPM adapter

Dust cover

Tone arm

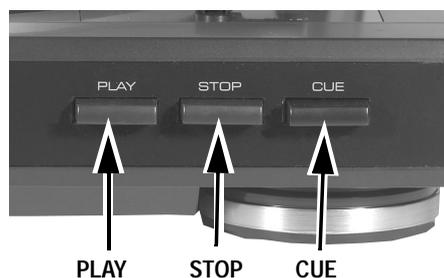## Assemble Your Turntable

Note: The **LIN** (lead in), **RET** (auto return), and **SW** (tone arm switch) screws on the bottom of the turntable are set at the factory and should not be adjusted.

1. Open the dust cover.

2. Rotate the turntable's platter until one of the platter's two larger holes is above the drive motor spindle on the turntable's upper left side.

3. Remove the tape and two ribbons from the rubber drive belt. Be sure the belt is not twisted.

4. Using your fingers, securely seat the belt on the center of the drive motor's spindle (against the lower rim).

5. Plug the turntable's power cord into a standard AC outlet.

6. Remove the wire tie from the tone arm, then press **CUE** to raise the tone arm.

7. Press **PLAY** and let the motor rotate the turntable six or seven times, then press **STOP** and check the location of the belt on the spindle. If the belt is not securely seated around the spindle, reposition it properly and repeat Step 6.

Note: If the belt slips off the spindle, do not attempt to remove the platter. Take it to your local RadioShack store for assistance.

8. Unplug the turntable's power cord from the AC outlet.

9. Connect the turntable's ground wire to the amplifier's/receiver's GND or earth terminal to avoid hum.

10. Place the rubber mat, ridged side down, on top of the platter.

PLAY   STOP   CUE

Connect Your Turntable

Connecting Your Turntable to a Receiver/Amplifier

You can connect your LAB-1100 to a receiver/amplifier (or stereo audio mixer) that has low-level phono inputs (such as left and right PHONO jacks) or line-level inputs (such as left and right AUX, TV, TAPE, or CD jacks).

Cautions:
- Do not connect the turntable to AC power until you complete all other connections.
- Do not place the turntable on top of the receiver/amplifier or on any other component that gets hot.
- To avoid possible damage to your receiver/amplifier, turn it off before making the connections.

Note: If you are not sure which type of input your receiver/amplifier has, check your receiver's/amplifier's owner's manual.

Low Level Inputs

To connect the turntable to a low-level phono input, plug the white and red plugs into the receiver's/amplifier's left and right PHONO jacks. Then set **LINE OUT ON/PHONO OUT OFF** to **PHONO OUT OFF**.

Line Level Inputs

To connect the turntable to a line-level input, plug the white and red plugs into the receiver's/amplifier's left and right **AUX**, **TV**, **TAPE**, or **CD** jacks. Then set **LINE OUT ON/PHONO OUT OFF** to **LINE OUT ON**.
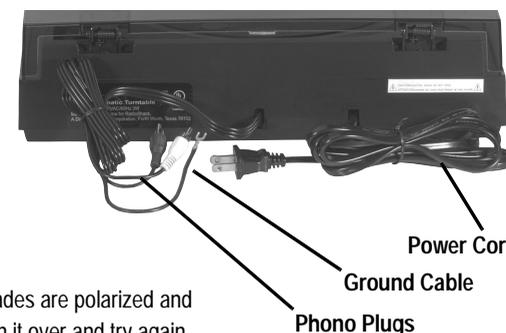
Connecting to Power

Once you have connected the turntable to your receiver/amplifier, plug the turntable's power cord into an AC outlet on your receiver/amplifier or into a standard AC outlet.

Caution: To prevent electric shock, the plug's blades are polarized and fit only one way. If the plug does not fit easily, turn it over and try again.
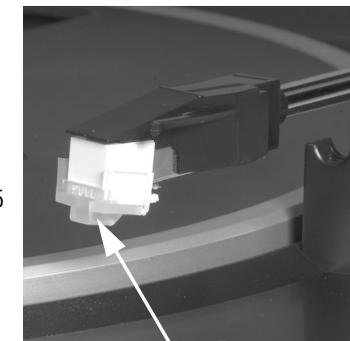
Rear View

Power Cord
Ground Cable
Phono Plugs

Use Your Turntable

Note: Depending on if your sound system has PHONO jacks or not, be sure to set **LINE OUT ON/ PHONO OUT OFF** as described in "Connect Your Turntable".

1. Open the dust cover.

2. Remove the stylus cover.

3. If you are playing a 33^1/$_3$ RPM record, place it directly over the spindle. If you are playing a 45 RPM record, place the supplied 45 RPM adapter over the turntable spindle, then place the record over the adapter.

4. Press **SPEED** in or out to set the turntable's speed (33^1/$_3$ or 45 RPM).

5. Press **PLAY**. The turntable starts to rotate and the tone arm moves to the beginning of the record, lowers to the record, then starts to play.

6. At the end of the record, the tone arm automatically returns to the tone arm rest and the turntable stops. To stop playing the record sooner, press **STOP**. If the tone arm does not automatically return when it reaches the end of the record, press **STOP** to reset the mechanism.

Stylus cover

Using The Cue Button

1. Press **CUE** to raise the tone arm.

2. Push the tone arm to a spot directly over the desired part of the record. The turntable starts to rotate.

3. Press **CUE** again. The tone arm slowly lowers and the record plays.

SPEED

What's Included

User's Guide - Turntable
Rubber Turntable Mat - 45 RPM adapter

FAQ

If your turntable is not working as it should, these suggestions might help you solve the problem. If the turntable still does not operate properly, take it to your local RadioShack store for assistance.

My turntable does not work even though plugged into an AC outlet.

- Turn on the connected receiver/ amplifier.
- Check the rubber drive belt. It may have slipped, broken, or was not mounted properly.
- Check the power cord and the AC outlet for a power problem.

No sound

- The receiver/amplifier volume is set to minimum. Adjust the receiver/amplifier volume.
- Check to see if the turntable is connected correctly to receiver/ amplifier.
- **LINE OUT ON/PHONO OUT OFF** is set to **PHONO OUT OFF** and the turntable is connected to the receiver's/amplifier's line level input jacks. Set **LINE OUT ON/PHONO OUT OFF** to **LINE OUT ON**.
- Replace the stylus.

The sound from the turntable is unclear or scratchy during play.

- Clean the record.
- Clean the stylus with a soft brush.
- Check the stylus and reinstall it if necessary.
- Replace the stylus.
- **LINE OUT ON/PHONO OUT OFF** is set to **LINE OUT ON** and the turntable is connected to the receiver's/amplifier's lowlevel phono input jacks. Set **LINE OUT ON/PHONO OUT OFF** to **PHONO OUT OFF**.

There is a hum from the turntable during play.

- The stylus is improperly installed. Check the stylus and reinstall it if necessary.
- The turntable is picking up induction hum from other components. Check the ground terminal and reposition the turntable away from other components.
- **LINE OUT ON/PHONO OUT OFF** is set to **LINE OUT ON** and the turntable is connected to the receiver's/amplifier's lowlevel phono input jacks. Set **LINE OUT ON/PHONO OUT OFF** to **PHONO OUT OFF**.

There is feedback or a howling sound from the turntable during play.

- The turntable is picking up the sound pressure of vibrations from the speakers. Reposition the turntable away from the speakers.
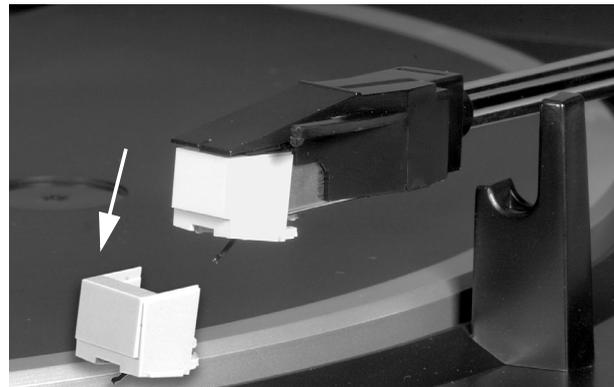
Care

Keep the turntable dry. If it gets wet, wipe it dry immediately.
Use and store the turntable only in normal temperature environments.
To protect the stylus from damage, we recommend you replace the stylus cover when you are not using the turntable.
Handle the turntable gently and carefully. Don't drop it. Keep the turntable away from dust and dirt. Wipe the turntable with a damp cloth occasionally to keep it looking new.

Cleaning/Replacing the Stylus

A dirty or worn stylus causes rough, distorted sound and could damage your records.
Caution: Do not touch the stylus while cleaning or installing it. If the stylus gets dirty or dusty, use a soft brush to gently clean it. If the stylus is worn, follow these steps to replace it. You can order a replacement stylus assembly AT3600LAX through your local RadioShack store.

1. Turn your receiver/amplifier off.
2. Remove the stylus assembly from the cartridge by gently grasping its sides and pulling it down.
3. Insert a new stylus assembly and gently snap it into place.

Service & Repair

If your turntable is not performing as it should, take it to your local RadioShack store for assistance. To locate your nearest RadioShack, use the store locator feature on RadioShack's website (www.radioshack.com), or call 1-800-The Shack (843-7422) and follow the menu options. Modifying or tampering with the turntable's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

Specifications

Turntable Platter
Type .... Plastic
Outer Diameter.. 11^{13}/$_{16}$ Inches (300 mm)
Drive System.. Belt Drive
Motor Type .... DC Motor
Turntable Type .... Automatic Return
Rotation Speed .... 2-Speed 33^1/$_3$ and 45 RPM)
Tone Arm
Type .... Dynamic Balance
Effective Length... ^{11}/$_{16}$ Inches (195 mm)
Overhang.. ^{9}/$_{16}$ Inch (15 mm)
Tracking Error.. Less Than 4°
Cartridge
Output Voltage .... 2.5 mv at 1 kHz (with **LINE OUT ON/PHONO OUT OFF** set to **PHONO OUT OFF**)
450 mv at 1 kHz (with **LINE OUT ON/PHONO OUT OFF** set to **LINE OUT ON**)
Frequency Response .... 20–20,000 Hz
Channel Separation (1 kHz)... More Than 15 dB
Load Resistance .... 47 kohm (with **LINE OUT ON/PHONO OUT OFF** set to **PHONO OUT OFF**)
Tracking Force .... 3.5 ±1.0 Gram
Stylus
Tip .... Diamond Stylus
Replacement AT3600LAX
General
Signal-to-Noise Ratio (DIN-B)... > 50 dB
Wow and Flutter (JIS WARMS) at 3 kHz .... < 0.25%
Power Source ....AC 120 Volts 60 Hz
Power Consumption .... 3 Watts
Dimensions (HWD)............................ 3^{13}/$_{16}$ x 14^1/$_4$ x 13^{15}/$_{16}$ Inches (98 x 360 x 349 mm)
Weight .... 5 lbs 4 oz (2.38 kgs)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice. Actual product may vary from the product images in this document.

FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

Your turntable conforms to NRTL standards and meets all applicable FCC requirements.

Product:	Lab 1200 Fully-Automatic Belt Drive Turntable
Model:	42-7012
Responsible Party:	RadioShack 100 Throckmorton Fort Worth, TX 76102
Phone:	817-415-3200