

## LISTENING DEVICE INSTRUCTIONAL GUIDE

# Record Player

## Activity

### WHAT DO YOU SEE? (2 minutes)

- Read out loud the history of the device.
- How would you describe this device to someone who can't see?
- What questions do you have about this device?

### WHAT DO YOU HEAR? (4 minutes)

- Listen to music on the device by following the instructions.
- How is this device similar to how you listen to music today?
- How is this device different from how you listen to music today?

### WHAT DO YOU THINK? (2 minutes)

- What are the strengths and weaknesses of the device's design?
- Why is this device not popular today?
- How would you change this device to make it better?

## History

- In 1877, Thomas Edison invented the phonograph, a machine that recorded and played audio on heavy, tinfoil-covered cylinders.
- Ten years later, in 1887, Emile Berliner developed the gramophone, which read grooves off of a flat disc, called a record.
- In 1901, Berliner opened the Victor Talking Machine Company, which sold record players called Victrolas. Victrolas played 78-rpm records ("rpm" stands for "revolutions per minute"). The disc spun seventy-eight times per minute and played about three to five minutes of sound per side.
- As record player technology improved, 78-rpm records were replaced by 33 1/3-rpm records in the late 1940s. They are made of vinyl and play about twenty minutes of sound per side.
- In 1949, RCA Victor developed the 45-rpm record. It appealed to a younger audience because it was inexpensive, small (a 45-rpm record only played one song per side), and sometimes came in different colors.
- 45-rpm records remained very popular throughout the 1950s and 1960s, especially as jukeboxes became widely used in diners and restaurants.
- Record players, also called turntables, and 33 1/3-rpm records regained popularity in the late 2000s and are available in most electronic and music stores.

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### Instructions

1. Place the record player on a flat surface and connect the POWER CABLE.
2. Open the cover and put the 45-RPM ADAPTER on the spindle.
3. Handle the record by its edge (do not touch the surface). Remove the record from the case and place it on the TURNTABLE PLATTER.
4. Slide the SPEED SELECTOR to 45.
5. Unlock the TONE ARM from the CLIP.
6. Turn the Power ON-OFF/VOLUME knob clockwise to power on the unit, and set the volume to the desired level.
7. Turn the FUNCTION selector to PHONO. A red light will turn on.
8. Raise the LIFT LEVER to raise the TONE ARM, then move the STYLUS CARTRIDGE to the desired location on the record.
9. Carefully lower the LIFT LEVER to put the NEEDLE onto the record. The record player will auto start.
10. When finished playing music, raise the LIFT LEVER to raise the TONE ARM then move the TONE ARM back on the holder. Lower the LEVER, then lock the TONE ARM on the CLIP.
11. When finished, turn the Power ON-OFF / VOLUME knob counterclockwise until "click" is heard to shut off the unit.
12. Remove the record from the spindle, and put it back in the case. Return the 45-RPM ADAPTER to the placeholder.
13. Close and lock the cover.

