LASER TURNTABLE
Quick Manual

(LT-1XRC)

- FOR PROPER MUSICAL PERFORMANCE
- HOW TO USE A CALIBRATION RECORD
- REMOTE CONTROL UNIT
- CONTROLS AND FUNCTIONS
- HOW TO PLAY 33.33rpm Record
- HOW TO PLAY 78rpm Record
- HOW TO PLAY 45rpm Record(7")
- HOW TO PLAY 33rpm Record(7")
- HOW TO USE VSO FUNCTION

ELP CORPORATION

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For proper musical performance

Read and understands the following precautions to enjoy music.

1. Aging

Age the product thoroughly upon its arrival, and then play the calibration record. 20- to 60-minute aging is adequate. Place any record, turn ON the power and open the tray to play the record. Potential difficulty in smooth initial operation (playing the calibration record), proper play, or assurance of adequate sound quality may be concerned in the winter due to insufficient warm-up of the photochemical part caused by cold. Music may be also played at only approx. 15,000Hz of high frequencies in terms of frequency characteristics. Use the same procedures mentioned above in the winter for the next playing of music, which leads to proper music performance.

Age the product thoroughly first to enjoy music.

2. Grounding

No need to use the grounding terminal on the back of the laser turntable for normal peration.

No variations in revolution occur due to the electric servo being applied. Establishment of a ground may cause hum disagreed with grounding of some amplifiers, which eventually leads to degradation in sound quality.

3. 45rpm record (17 cm) precautions

Potential difficulty in smooth music performance may be concerned due to shallow grooves in a single record, high utilization, and use of recycled polyvinyl chloride in materials. Use the **VSO functions** described in the further chapter for proper performance.

Smooth music performance is mostly guaranteed if **+1** is specified.

Warning!

1. How do you keep your LT?

    1) LT should be located horizontally. If not horizontal, LT doesn't work, but report you "Hbnd".

    2) If the room for your LT has dusts in air, you should keep LT against/off from dusts. For example you put vinyl sheet on top cover and front. Particularly dusts come into LT easily under a door of tray.

2. To eliminate the accident and or broken, please do not put any other machine on a top LASER TURNTABLE.
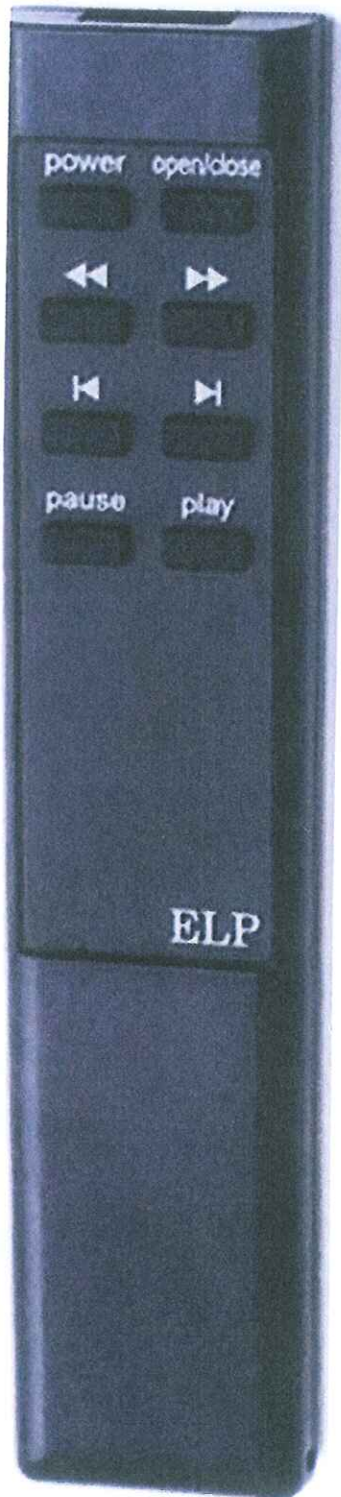
Handling of Calibration Record

(Optical axis automatic calibration record)

This has high utility in self-maintenance of optical axis after purchase, which enables prevention of sound skip.

1. Turn ON the **main power** at the lower left.

2. Press the **[OPEN/CLOSE]** button to open the tray.

3. Place the record to the **arrow of the calibration record label** toward the front.

4. Press the **[POWER]** button to make sure that the power is turned OFF.

5. Continuously press the **[POWER]** button for 4 to 5 sec until **"CAL"** is indicated on the small LCD.   Release the **[POWER]** button upon the indication of **"CAL"**.

6. Further calibration is made automatically.   Calibration is completed when **"stby"** - **"33.33 rpm"** - **"Number"** is indicated on the small LCD in 30 seconds.

7. Press the **[OPEN/CLOSE]** button to take out the record.

* Perform maintenance shown above periodically (once a week) to prevent a deviation of the laser optical axis and sound skip, which assures properness and durability in the laser turntable.

Remote Control Unit

Power : Power Button

Open/Close : Open/Close button for drawer
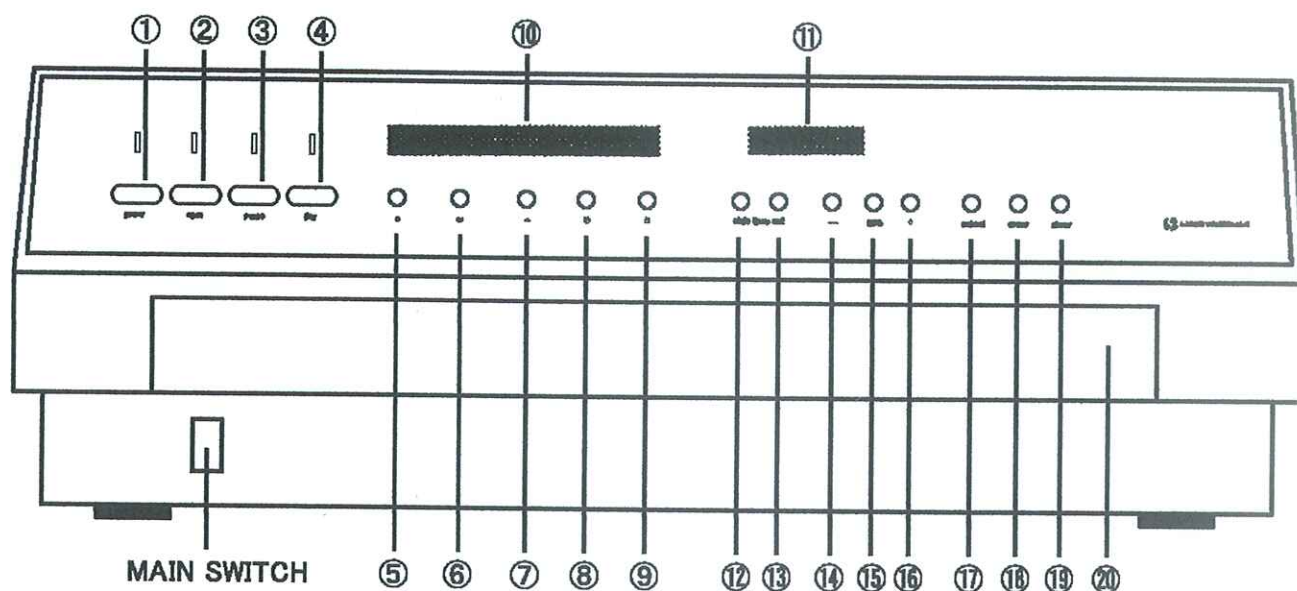
◄◄ : Scan Back Button

►► : Scan Forward Button

◄| : Seek Back Button

|► : Seek Forward Button

Pause : Pause Button

Play : Play Button

Controls and Functions

①	Power button	⑪	Message display
②	Open/Close button for drawer	⑫	Side button
③	Pause button	⑬	Cut button
④	Play button	⑭	− button
⑤	Seek Back button	⑮	rpm button
⑥	Scan Back button	⑯	+ button
⑦	Hover button	⑰	Select button
⑧	Scan Forward button	⑱	Enter button
⑨	Seek Forward button	⑲	Clear button
⑩	Record profile button	⑳	Record drawer

MAIN SWITCH

To play LP records

1. Turn ON the **main power**.

2. Press the **[OPEN/CLOSE]** button to open the tray.

3. Place the record.

4. **"12 in"** is indicated on the small LCD upon the once-press of the **[rpm]** button. No need to change rpm for 12 inch record. For 10inch record, press the **[- (minus)]** button on the left of the **[rpm]** button to specify the record size to **"10 in"**.

5. **"33.33 rpm"** is indicated if the **[rpm]** button is pressed once more. (For 45 rpm, press the **[rpm]** button **once again** to specify the speed to **"45.0 rpm"**.)

    The above steps completed settings for the size and revolution speed of LP record.

6. Press the **[Play]** button.

7. Music automatically starts in 20 seconds.

* For LP record (30-cm and revolves at 33.33 rpm), once the main power is turned OFF, automatic settings for size and revolution speed take effect.

To play 78rpm records

1. Turn ON the **main power**.

2. Press the **[OPEN/CLOSE]** button to open the tray.

3. Place the record.

4. **"12 in"** is indicated on the small LCD upon the once-press of the **[rpm]** button.   No need to change rpm for 12inch record.   For 10inch record, press the **[- (minus)]** button on the left of the **[rpm]** button to specify the record size to **"10 in"**.

5. **"78.0 rpm"** is indicated if the **[rpm]** button is pressed three times more. The above steps completed settings for the size and revolution speed of 78 record.

6. Press the **[Play]** button.

7. Music automatically starts in 10 seconds.

To play 45 rpm records (single): I

1. Turn ON the **main power**.

2. Press the **[OPEN/CLOSE]** button to open the tray.

3. Place the **single adapter** for 45rpm records.

4. Place the record.

5. **"12 in"** is indicated on the small LCD upon the once-press of the **[rpm]** button.   Press the **[+ (plus)]** button on the left of the **[rpm]** button to specify the record size to **"7 in"**.

6. **"45.0 rpm"** is indicated if the **[rpm]** button is pressed once more.

   The above steps completed settings for the size and revolution speed of EP record.

7. Press the **[Play]** button.

8. Music automatically starts in 10 seconds.

To play 45rpm records (single): II

(To play 45rpm record at 33.33 rpm)

1. Turn ON the **main power**.

2. Press the **[OPEN/CLOSE]** button to open the tray.

3. Place the **single adapter** for EP records.

4. Place the record.

5. **"12 in"** is indicated on the small LCD upon the once-press of the **[rpm]** button.   Press the **[+ (plus)]** button on the left of the **[rpm]** button   to specify the record size to **"7 in"**.

6. **"33.33 rpm"** is indicated if the **[rpm]** button is pressed once more. The above steps completed settings for the size and revolution speed of EP record.

7. Press the **[Play]** button.

8. Music automatically starts in 10 seconds.

9. After playing is finished, press the **[OPEN/CLOSE]** button to open the tray and take out the record.

VSO (Variable Scanner Offset System) Function

This VSO function is designed to prevent sounds from skipping caused by flaws or when the record with high-frequency range (such as roar of cannon) is played.

Use the following procedures to play the record if a sound is skipped during playing.

In the event that the sound at a position where the laser is directly pointed is unpleasant, this function is recommended to use to secure better sound.

Please take note that skip or distortion in sound still remains despite use of the VSO function if the record is in **severe poor condition**.

1. **"gr 0"** is indicated on the small LCD if the **[rpm]** button is continuously pressed for 2 to 3 sec during record playing.

2. **"gr 0"** indicates that the laser is at the standard position.

   Press the **[+ (plus)]** and **[- (minus)]** buttons on the right and left of the **[rpm]** button to specify a position to secure smoothness and no skip in sound.

   Number beside **"gr"** changes, -1, 0, +1, +2 in sequence (-2, -1, 0, +1, +2 for SP mode), as the **[+ (plus)]** and **[- (minus)]** buttons are pressed.

3. Select a proper position and enjoy music.

   Once the tray is opened, the VSO function is deallocated that prompts the position to reset at the standard position **"gr 0"**.