

ELP

Laser Turntable System

Owner's Guide

LT-2XNP



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Safety Instructions

Read all the safety and operating instructions before operating the LT-2XNP.

- * Retain the safety and operating instructions for future reference.
- * Adhere to all warnings posted on the Laser Turntable and in the Owner's Guide.
- * Follow all the instructions for operating and using the Laser Turntable.
- * Do not use the Laser Turntable near water, for example, near a bathtub, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
- * Do not stack the Laser Turntable on the top of other audio components or other appliances. Also, do not put other components on top of the Laser Turntable.
- * Install the Laser Turntable on a flat and sturdy surface.
- * Situate the Laser Turntable so that it receives proper ventilation. For example, do not place the unit on a bed, sofa, rug, or similar surface that may block ventilation openings. Do not place in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- * Do not place the Laser Turntable near heat sources such as radiators, heat registers, stoves, or other appliances (including audio components) that produce excessive heat.
- * Connect the Laser Turntable to a correct AC supply voltage.
- * Take precautions to not walk on or pinch the power supply cord of the Laser Turntable.
- * Turn off the MAIN power switch if the unit will be left unused for a long period of time.
- * Never attempt to dismantle the laser head. Once it is removed reinstalling it does not restore the original performance, requiring re-alignment of the laser head. Note that you will be charged for re-alignment even during the guarantee period.

* Request qualified service personnel to service the Laser Turntable when:

The power-supply cord or the plug is damaged; or

Objects have fallen on; or

Liquid has spilled into the appliance; or

The Laser Turntable has been exposed to rain; or

The Laser Turntable does not operate normally or exhibits a marked change in performance; or

The Laser Turntable has been dropped, or the housing damaged.

* Do not attempt to service the Laser Turntable beyond the procedures described in the Owner's Guide; there is no user-serviceable parts in the interior.
Refer all other servicing to qualified service personnel.

Using the LT-2XNP

<Platter>

The platter is packed separately and anti-static mat is pasted to it. If the platter is not firmly seated in the drawer, the display shows "Plat", "Hbnd", or "rec" and the unit does not work properly. Press the open/close button to open the drawer and re-set the platter properly (see section 2 for initial setup). Once the platter is properly installed do not remove it unless it is necessary.

<Anti-static treatment of records>

The Laser Turntable is designed to discharge static electricity built-up on a record to the chassis. It is recommended, however, that you apply anti-static treatment to your records. It is also recommended that once a record is placed on the platter you touch the spindle by a finger to help discharge static electricity.

<Measuring the LT-2XNP>

For measuring the performance of the LT-1LNP use test records which have never been played by styli. The Laser Turntable picks up information which cannot be detected by a stylus and groove wear may influence measurement.

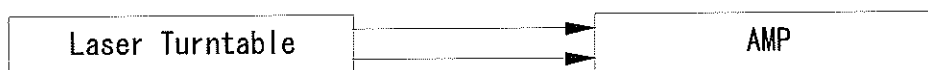
<Sounds from the Laser Turntable>

You may hear mechanical sounds from the Laser Turntable while playing a record. This is due to scanner mirrors vibrating in the laser head and it is not a sign of problems.

<Opening and Closing the drawer>

Never attempt to pull or push the drawer by hand. Always use the power, open/close, or play button on the front panel to operate the drawer. If one of the control buttons is pressed when the drawer is half open it may not work properly. Press control button again or turn off the MAIN power switch to play records.

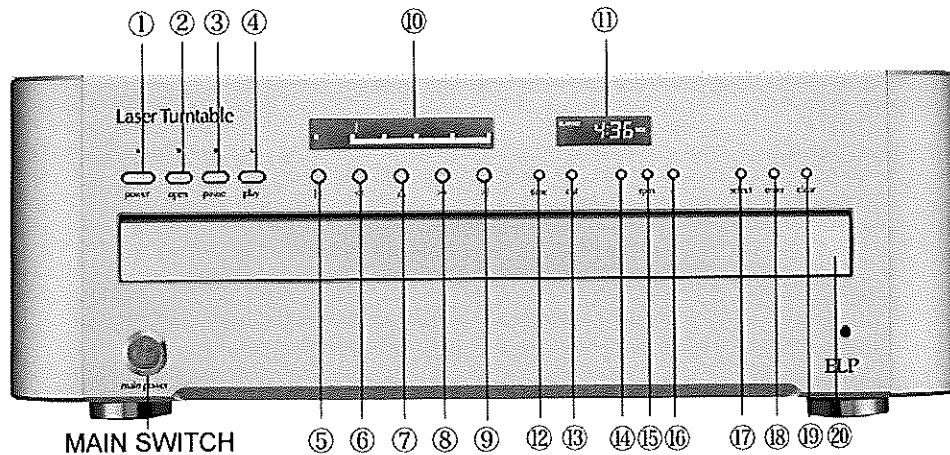
<Connections>



Since the output of the Laser Turntable is low (Phono level) keep the connecting cables short. Long cables tend to degrade sound quality with added hum and noise. Use about the same cable length as for analog record players for connection.

1. Controls and Functions

1.1 Front panel



<1.power button>

Use this button to turn on and off the unit. When pressed "rec" is shown on display 11.

<2.open button>

Use this button to open and close the drawer. When this button is pressed during play record is stopped and the drawer opens.

Note: The drawer can be opened or closed by this button even when the player is turned off as it is interlocked with the power button.

<3.pause button>

Press this button to suspend record play. To play again, press the play button 4 (see section 4.5 for details).

<4.play button>

Press this button to start record play. This button is also used for repeat play (see section 4.1 and 4.4 for details).

<5.Seek back button> (| <)


You can move to the beginning of a cut while playing record (see section 6.1 for details).

<6.Scan Back button> (<<)


You can scan across a record surface backward while the unit is in a play or pause mode. To scan at high speed press the button, release it for an instant, and then hold it down again (see section 6.1).

<7.Hover button>()

You can play a single groove segment repeatedly. The play light flickers in the hover mode. The Seek and Scan functions (5,6,8 and 9 buttons) can be used during this mode. Press the play button to end hovering (refer to section 6.1 for details).

<8.Scan Forward button>()

You can scan across a record surface forward while the unit is in a play or pause mode. To scan at high speed press the button, release it for an instant, and then hold it down again (refer to section 6.1).

<9.Seek Forward button>( |)

Press this button once to move to the beginning of the next cut (for details refer to section 6.1).

<10.Record profile display>

Position and the number of cuts on a record side, position of the laser head, etc., are displayed on the LCD in blocks and a single, vertical line (for details refer to section 4.2).

<11.Message display>

Record size, revolution, time information, error message, etc., are displayed.

<12.side button>

This button is used to see elapsed time, remaining time and total time on the side of a record by switching (for details refer to section 6.2).

<13.cut button>

This button is used to see elapsed time, remaining time and total time of a cut being played (for details refer to section 6.2).

<14,16. + / - buttons>

These buttons are used for selecting a record size, adjusting revolution and for operating the V.S.O. system (for details refer to section 4.1, Playing records, or section 4.6, V.S.O. system).

<15.rpm button>

This button is used for selecting a record size, standard rpm's, and also for operating the V.S.O. system (for details refer to section 4.1 and 4.6).

<17.select button>

This button is used for selecting the sequence of programming (for details refer to section 7.1).

<18.enter button>

This button is used for adding the selected cut to the program (for details refer to section 7.1).

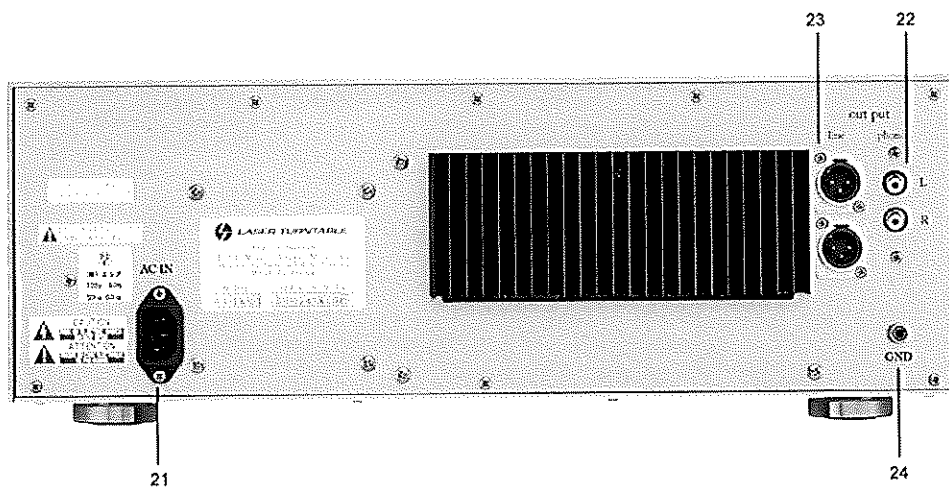
<19.clear button>

This button is used for deleting the selected cut from the program sequence.

<20.Drawer>

The drawer opens and closes by pressing the open/close, or play button.

1.2 Rear Panel



<21.AC IN>

The attached AC power cord is connected here.



A Warning that an apparatus with class 1 construction shall be connected to a mains socket outlet with a protective earthing connection.

<22.OUTPUT Terminals>

* PHONO OUTPUT

Cartridge output level without RIAA equalizer. The outputs need to be connected to the MM (Moving Magnet) PHONO INPUT of your amplifier.

It is recommendable to use a short cable between the Laser Turntable and the amplifier.

<23. LINE OUTPUT (XLR)

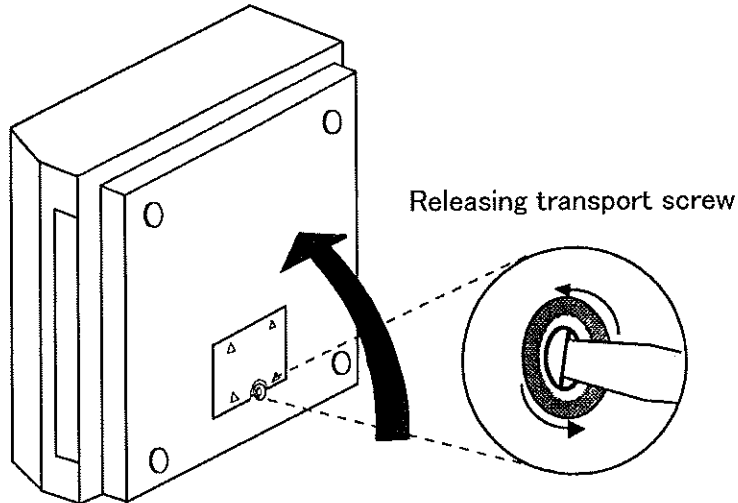
The RIAA equalizer is installed in the Unit. The outputs must be connected to LINE, TAPE, AUX, CD or so.

<24.Ground Terminal>

This is a Ground Terminal.

2. Initial Setup

- (1) Unpack your Laser Turntable.
Save the outer carton and all packing materials for future shipping requirements.
- (2) Before plugging in the power cord, slowly tilt the Laser Turntable up on its left side.



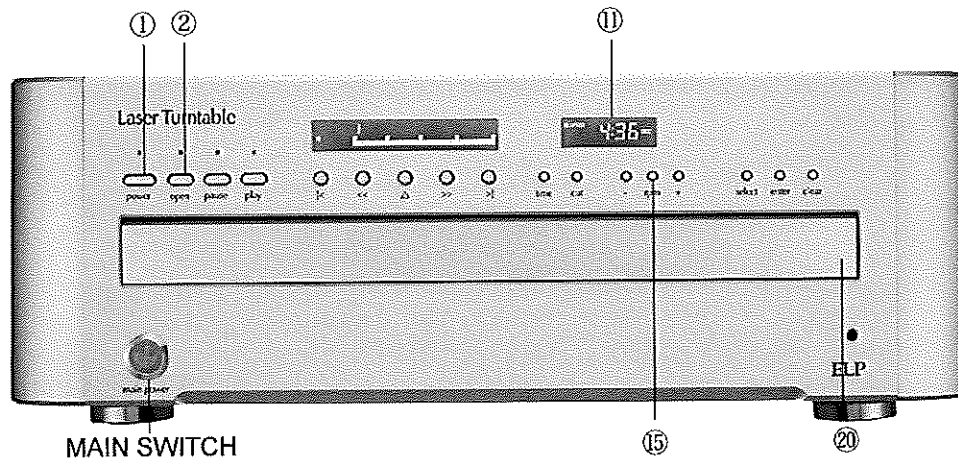
Tilting the Laser Turntable

- (3) Using a regular screwdriver, turn the transport screw counterclockwise (about 6-7 turns) until the screw pops out about 1/8 inch. The screw will not come out of the unit after the threads disengage. For transportation of the unit remove the platter and tighten the transport screw.
- (4) Place the Laser Turntable on a hard surface, making sure that it rests on its own feet, not the base. Do not stack other audio components on top of the unit.
- (5) Connect the audio cables between the outputs of the Laser Turntable PHONO and a set of phono inputs (MM level).

- (6) Connect the AC power cord to the connector located at the rear panel, and plug it to the wall AC outlet.
- (7) Turn on the MAIN power switch located at left below.
- (8) Press the open/close button on the front panel to open the drawer.
- (9) The platter is packed separately.
- (10) Place the platter in the open drawer, making sure the platter is properly centered and its backside outer rim firmly rests on the four rubber posts of the drawer.

3 .Calibration

The purpose of calibrating the Laser Turntable is to optimize its optics and electronics systems at a given environment and condition where the player is used. Under a normal operating environment calibration is required once and it is not required to re-use the calibration record for a while. However, if you experience skipping off tracks which played without problems in the past re-calibration of the player is required. This may be due to change in the operating environment, or due to aging of optics or electronics system. Follow the instructions below to re-calibrate the Laser Turntable for the best performance.



- (1) Turn the MAIN power switch on.
- (2) Press the open button 2. The record drawer 20 opens.
- (3) Insert the calibration record which comes with the player in the drawer with the arrow on side A facing toward you.
- (4) Press the rpm button 15. "12in" appears on the message display 11.
- (5) Press the rpm button 15 again. "33.33rpm" appears on the message display.
- (6) Press the power button 1. The record drawer closes and the unit is switched off.

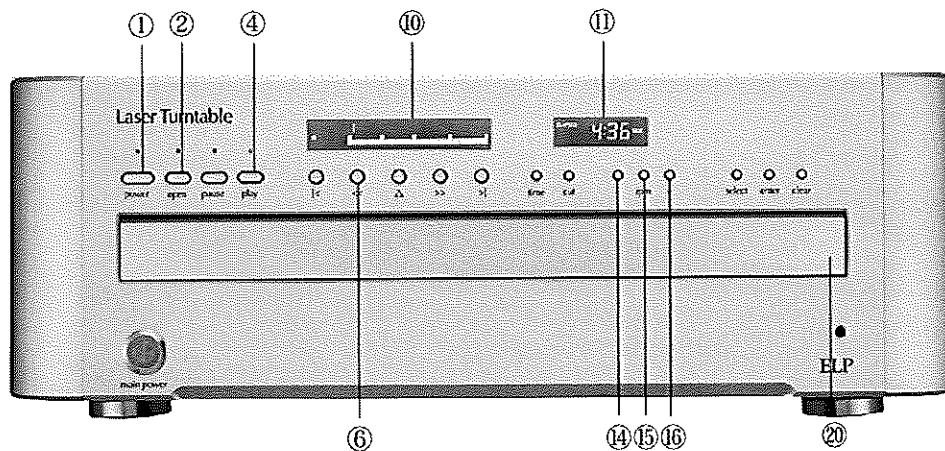
- (7) In approximately two seconds press the power button until "Cal" appears on the message display. Release the button when you see "Cal".
- (8) Calibration starts. "Stby" and time indication of 0.01, 0.02 and so on appear on the message display in approximately 30 seconds to complete the calibration.
- (9) Press the open/close button to remove the calibration record.

Note: "Cbad" (calibration bad) appears on the message display when calibration fails because of a non-calibration record or if the calibration record is dusty or dirty.
Follow the following instructions:

- (1) Press the open button to open the record drawer.
- (2) Remove the calibration record and clean the record surface.
Insert the record with side A facing up, and the arrow facing toward you on the platter.
- (3) Follow the procedure (4) through (9) above.

4. Playing Records

4.1 Playing records



- (1) Clean the record surface to be played.
- (2) Press the power button 1. "rec" appears on the message display 11.
- (3) Press the open button 2 to open the drawer. "SIZE" appears on the message display.
- (4) Put a record on the platter with a side to be played facing up.
- (5) Select the size of a record on the platter:
Press the rpm button once. "12in" (12 inches) appears on the message display 11.
Press the +(14) or -(16) button to select a correct size.
- (6) Select a record revolution:
Press the rpm button again. "33.33rpm" appears on the message display. Press this button again to set to 45rpm, and again to set to 78rpm.

Note: The rpm button repeats size and rpm indications, i.e., "12in"->"33.33rpm"->"45rpm"->"78rpm"->"12in". Press the + or - button while "12in" is displayed to select a correct record size.
- (7) Press the play button 4. The record drawer 20 closes and the LT-1XNP profiles the record.

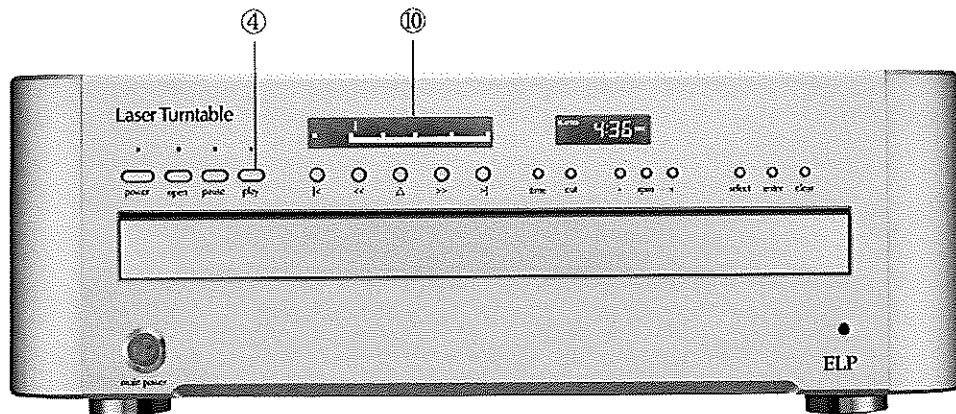
- (8) In approximately 10 seconds the record profile display 10 shows the location of the boundaries between cuts, the playing time of the side, remaining time, etc. when such information is stored in its memory.

Note: When a record which begins at a larger diameter than standards is played the beginning of the track may be lost. Press the Scan Back button 6 (<<) for about 5 seconds to move the head to the beginning of the track. Time indication will be disturbed but you can enjoy the whole track.

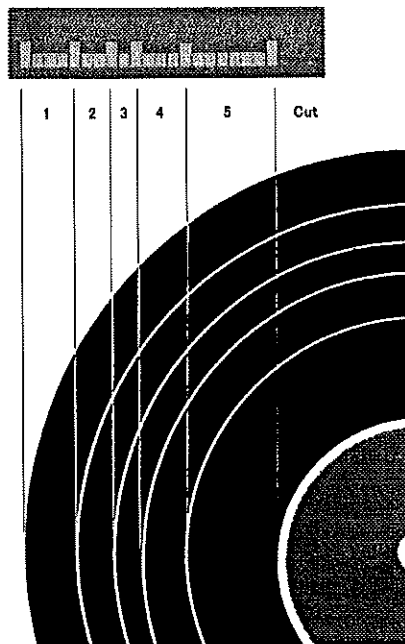
Note: "rec" appears on the message display when a size selection does not match the actual record on the platter, or the LT-2XNP begins at the halfway of the record. Set a correct record size (setting of the record size and rpm can be made only while the record drawer is open).

Dust or dirt on the record surface obstructs the laser beam and may cause diffused reflection, resulting in noises. For superior sound reproduction clean records carefully before play. The use of a wet vacuum cleaning system (for example, record cleaners by VPI or Keeth Monks) is recommended to remove grit embedded in record grooves.

4.2 Record profile display



When you place a record in the drawer and press the play button 4 the record drawer closes, the profile of the record surface facing up appears on the record profile display 10 and the location of the boundaries between cuts are shown by two rows of lighted rectangles. A single vertical line is the laser head position indicator.



Relationship between display and record surface

Note: Some records may not have distinct spaces between cuts. For such records the location of boundaries between cuts are not shown. If the cutting level is high and spaces between grooves are wide the player may identify them as boundaries between cuts.

Errors in time indication at 33.33rpm is within 1.8seconds.

The total time on each side includes accumulated time between cuts and some cuts do not begin immediately after boundaries between cuts. Use boundary indication as a guideline and not as an absolute reference.

4.3 Stopping play

- (1) Press the open/close button to stop playing a record. The Laser Turntable stops playing and the record drawer opens.
- (2) Press the power button. The drawer closes and the player is turned off.
- (3) If the power button is pressed while playing a record the player is turned off with the record in the drawer.

Warning: Do not turn off the MAIN power switch, or remove the AC line cord, while the drawer is in operation.
If the drawer stops on its way in or out turn off the MAIN power switch and re-start the record playing procedures.

4.4 Repeat plays

If you want to hear a record side more than once, you can specify multiple (1-4 times) or endless plays.

Press the play button the number of times (up to four) that you want to play the record side. The number of plays that you specified appears on the message display. "PL4" appears if you want to play four times.

Note: For example, if you want to hear the record in the drawer three times, press the play button three times in succession. If you press the button five times the LT will replay the record side endlessly with "PL99" on the message display.

Press play	No. of plays	Display
1 time	1	PL 1
2 times	2	PL 2
3 times	3	PL 3
4 times	4	PL 4
5 times	Endless	PL99
6 times	1	PL 1
7 times	sequence repeats	

If you want to specify repeat plays of a single cut or a programmed sequence of cuts, follow the instructions provided in section 7 (programming) to create a program sequence, then press the play button the desired number of times (for details refer to section 7.1).

4.5 Pausing record play

- (1) Press the pause button. Record play is suspended and the laser head stops tracking the record and locks in its current position over the record surface.
- (2) Press the play button. Record play starts again.

Note: If the pause button is pressed before the first cut begins the laser head locks in position at the beginning of the record. You can still use the scan (<< and >>) and seek (| < and > |) controls while the player is in the pause mode.

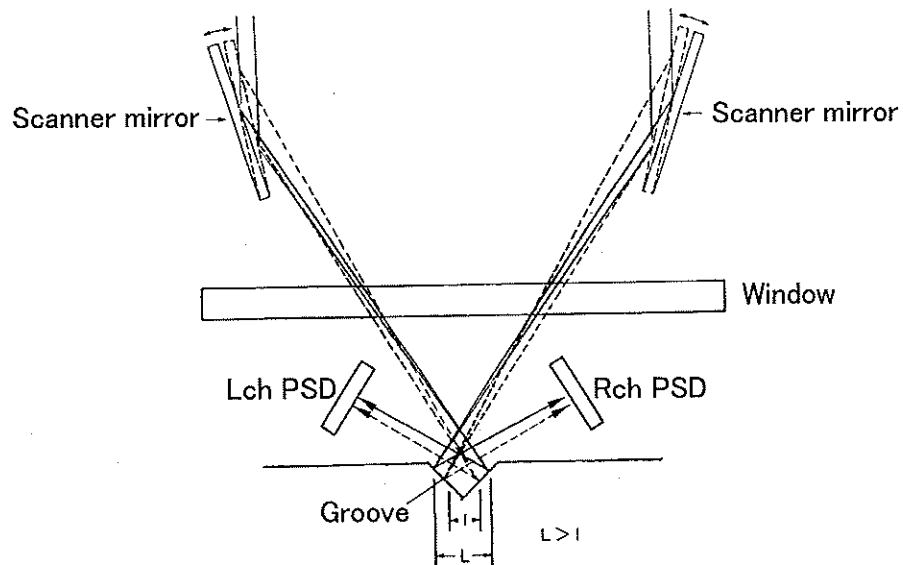
4.6 Variable Scanner Offset (V.S.O.) System

The V.S.O. system allows adjustment of the laser beam spacing for optimum reproduction. Depending on the age and cutting machines the shape of record groove is different, which may result in skipping of sound when played by a fixed laser beam spacing. If you experience loss or skipping of sound follow the instruction below:

Using the V.S.O. system

- (1) Keep pressing the rpm button after a record has been profiled.
- (2) Release the button when "gr0" (groove) appears on the message display.
- (3) Press the + or - button for optimum reproduction. The range is between 1 and 6 mils in four settings (-1, 0, +1, +2).

Note: The V.S.O. system is reset to the standard 0's if the record drawer is once opened.



5 .Error Messages and Actions

The Laser Turntable displays various messages for errors. Take the appropriate action according to an error message.

Error messages, descriptions, and actions.

“Hsat”: High Saturation

The amount of light coming back from groove walls is too strong.
Dust on record surface may also trigger this message.

Verify that the record you want to play is black. Some black-looking vinyl records transmit light and cause “Hsat” message. Remove dust and set the record again.

“Hbnd”: Height Bound

Record is too warped or too thick or thin for the height servo system of the player to make compensation.

Re-try the record by setting it differently with respect to the rotational angle from the first try. If the “Hbnd” message still appears the record cannot be played by the LT-1LRC.

“Plat”: Platter

The platter is not revolving normally.

Press the open/close button to open the record drawer and re-set the platter so that it rests firmly on the four posts with proper centering.

“rec” : Record is not in the drawer, or incorrect record size setting.

Use the rpm, + and - buttons for proper selection of record size (see section 4.1).

“Cbad”: Calibration Bad.

Calibration has not been properly made.

Refer to section 3 for the calibration procedures.

“Loc” : Locked.

Transport screws are not removed.

Refer to section 2 for initial setting.

“rbad”: Record Bad.

Groove shape cannot be read by the LT-1LRC.

Record profile cannot be performed.

Open the record drawer and press the play button again. If “rbad” still appears the record cannot be played by the LT-1LRC.

“Hot” : The internal temperature of the LT-1LRC is excessively high.

The player is automatically turned off. Switch off the MAIN power switch and re-install the Laser Turntable at a place with better ventilation.

“Ebad”: EEROM Memory Bad. Electrical failure of the EEROM non-volatile memory chip which stores calibration data.

Requires authorized service.

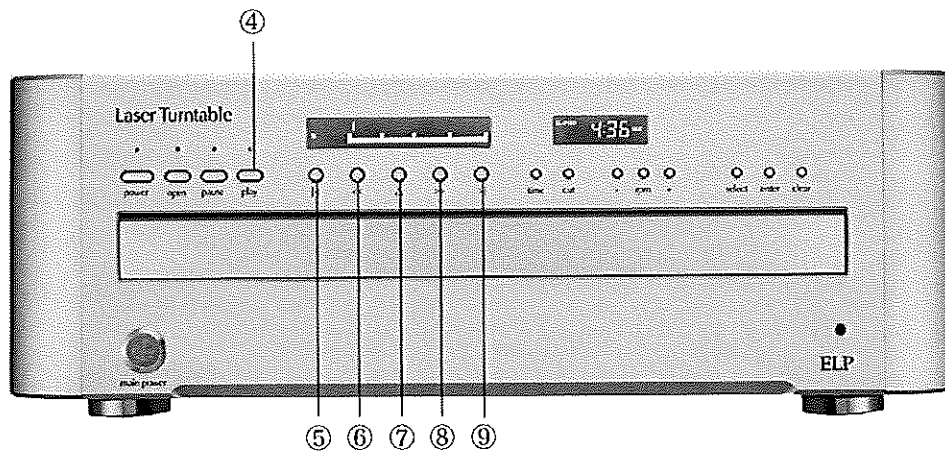
“Pbad”: Power Bad.

Electrical failure.

Requires authorized service.

6 .Advanced Feature

6.1 Special play functions



(1) Press the Seek Back 5 (| <) or Seek Forward 9 (> |) button. When the Seek Back button is pressed while a record is playing it takes you to the beginning of the cut currently playing. The Seek Forward button takes you to the beginning of the next cut on the record side.

(2) Press the Seek Back or Seek Forward button as many times as the number of cuts you want to skip forward or back.

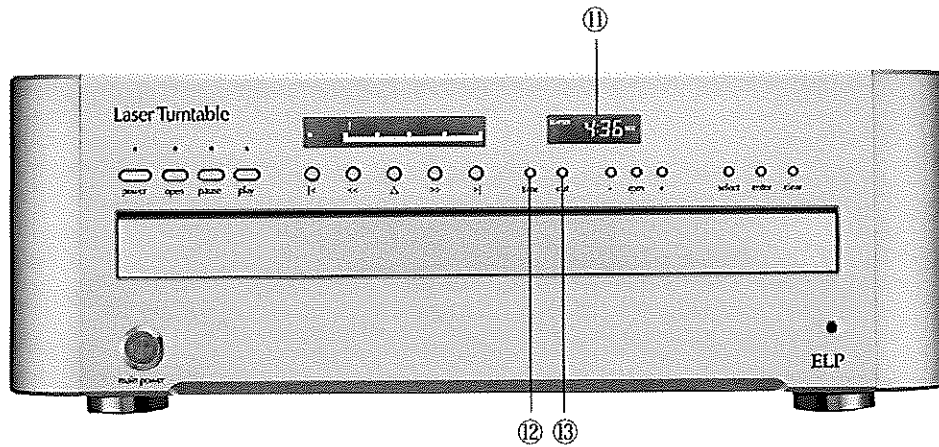
Note: The seek function always takes you to the beginning of a cut so if you press once in the middle of a cut, the player repeats the same cut. If you wanted to replay the cut before the current selection, you would have to press twice.

(3) Press the Scan Back 6 (<<), or Scan Forward 8 (>>) button to scan across a record surface. For fast scanning press the button, release the button for an instant, and then hold it down again.

(4) Press the Hover button 7. The player repeatedly plays a single groove segment. The play light 4 blinks each time the laser head replays the groove segment. The Scan Back and Scan Forward buttons can be operated in the hover mode. Press the play button to end hovering.

Note: The player automatically goes into the pause mode in about two minutes if it is left on the hover mode. The play light stays on. It is recommended that you lower the volume or your amplifier when you are in the hover mode.

6.2 Time displays



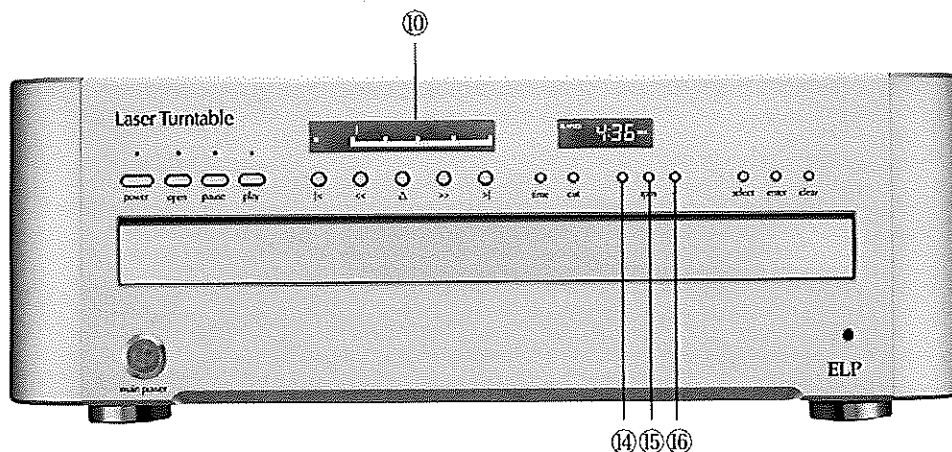
You can view times for elapsed time, remaining time, total time, etc. Until record play begins the message display 11 shows the current revolution of the platter (rpm). When a record is playing, the display automatically shows the elapsed time on the record side.

- (1) Press the side button 12. The message display shows the time remaining on the record side.
- (2) Press the side button again. The display shows total time on the record side.
- (3) Press the side button again. The display shows the elapsed time on the record side.
- (4) Press the cut button 13. The display shows the elapsed time for the current cut.
- (5) Press the cut button again. The display shows the remaining time for the current cut.
- (6) Press the cut button again. The display shows total time for the current cut.
- (7) Press the cut button again. The display shows the elapsed time for the current cut.



Message display for times

7. Programming



With the programming functions you can tell the Laser Turntable to play cuts in any order you want, and even to skip cuts or replay favorite selections. For example, you can play a record side in a cut sequence 2-3-5-2.

7.1 Entering programming mode

<Example 1> To play the first cut three times.

- (1) When a record profile is visible on the record profile display 10, press the select button 17 once. The lower row of the record profile disappears and the first segment of the upper row flashes.

Flashing



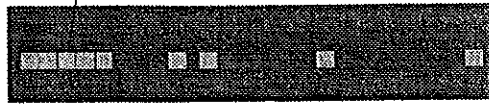
Programming mode display

- (2) Press the enter button 18 three times. The first cut is played three times.

<Example 2> To play a record side in the cut sequence of 1-3-5.

- (1) When a record profile is visible on the record profile display, press the select button once. The lower row of the record profile disappears and the first segment of the upper row flashes.

Flashing



Programming mode display

- (2) Press the enter button 18 once. The first cut is now programmed.
- (3) Press the select button twice. The third segment flashes.
- (4) Press the enter button once. The third cut is now programmed.
- (5) Press the select button twice again. The fifth segment flashes.
- (6) Press the enter button once. Cuts are now played in the 1-3-5 sequence.

<Example 3> To play a side of record in the sequence of 1-3-3-5.

- (1) When a record profile is visible on the record profile display, press the select button once. The lower row of the record profile disappears and the first segment of the upper row flashes.
- (2) Press the enter button once. The first cut is programmed.
- (3) Press the select button twice. The third segment flashes.
- (4) Press the enter button twice. The third cut is programmed twice.
- (5) Press the select button twice. The fifth segment flashes.
- (6) Press the enter button once. Cuts are played in the 1-3-3-5 sequence.

Note 1: If you program cuts while a record is playing, the Laser Turntable will finish the current cut and then continue playing, beginning with the first cut you entered in to the program sequence.

Note 2: You can enter up to 15 selections in a program. To clear programs press the power button to turn the player off, or press the open/close button to open the record drawer.

Note 3: Because of differences in recording and production techniques, some records may trick the Laser Turntable into showing extra cuts or deleting cuts in the profile display. Before programming cuts, verify a record's profile by checking the displayed cuts against the cuts listed on the record jacket. See section 4.2 (Record profile display) for more information on the record profiles.

All of the special play functions are available when you play a programmed sequence of cuts. When you use the Seek Forward (> |) or Seek Back(| <)with a program, you can move the laser head only to the beginning of cuts that are in the program sequence. However, you can use the Scan Back or Forward function to bypass the program sequence and go to any groove segment on the record side. If you use the scan functions to play the contents of a non-programmed cut, the player resumes the program sequence at the end of the selected cut.

7.2 Reviewing programs

You can review the sequence of cuts you programmed. This mode is especially useful if you have repeat plays of a cut in a program sequence.

- (1) Hold down the select button until solid bars appear in the record profile display. This will take about one to two seconds. As soon as the solid bars appear, release the select button.
- (2) The player highlights the first cut of the program sequence in two solid bars.



Review program display

- (3) Press the select button again. The player highlights the second segment of the program sequence in two solid bars.

- (4) As you press the select button the program sequence is highlighted in two solid bars.
- (5) To leave the review program mode, hold down the select button for one to two seconds, or press the play button.

7.3 Adding and deleting boundaries between cuts

Because of differences in recording and production techniques, some records show extra cuts or delete cuts in the profile display. For programming you can customize the record profile by adding or deleting boundaries. With this method you can define a favorite passage in a concerto as an individual cut for repeat play.

<To add a boundary>

- (1) Check that the player is in the play mode.
- (2) Press the enter button 18 at which you want a new boundary. The new boundary appears as a lighted rectangle on the record profile display.
- (3) Follow the programming mode procedures.

<To delete a boundary>

- (1) Check that the player is in the play mode.
- (2) Move the laser head position indicator to the boundary you want to delete.
- (3) Press the clear button 19. The boundary marker disappears from the profile display.

Note: You cannot define custom boundaries if you have already created a program sequence. Always define your boundaries before you create a new program sequence. If you add a new boundary that is less than 20 seconds from an existing boundary, the player may represent the two boundaries with a single marker on the display. Regardless, the newly defined cuts is valid and can be selected in a program or accessed with either seek button.

7.4 Using the Noise Blanker

Your Laser Turntable is provided with a Noise Blanker that reduces annoying ticks and pops caused by dirt or record imperfections. The LT-1LNP automatically activates the Noise Blanker when you turn the player on but you can also turn it off.

- (1) Hold down the play button for three seconds. The message nb:ON appears on the message display.
- (2) Press the clear button while nb:ON is on the display. The message nb:OF appears on the message display. The Noise Blanker is now turned off.
- (3) Press the enter button to turn it on again. The message nb:ON appears on the display.

5 General Problems and Actions

<Power supply>

The power will not come on, even when the power switch is pressed.

Is the power cord firmly connected to the receptacle?

Is the MAIN power switch on?

Is there proper AC power from your wall outlet?

If the power still does not come on turn off the MAIN power switch and retry.

<Laser Turntable>

The play light remains lit but nothing happens.

Is the player on a flat surface in a well-ventilated area?

Is the platter firmly seated over the platter spindle?

Have you selected the correct input on your pre-amplifier or receiver?

Are there irregularities with your record? Note the error messages.

1. Noticeable warpsHbnd
2. Irregular or damaged record surface.....Hbnd
3. Too thin or thick recordHbnd
4. Incorrect record size (other than 7",
10" or 12")rec
5. Colored, clear, or "picture disk" record
(black but you can see light through).....Hsat
6. Dirt or other foreign matter on the record ...Hsat or Hbnd

See section 5 (Error Messages and Actions) for proper actions. If none of these problems are evident, clean the record and try to play it again.

Excessive ticks and pops

Clean the record and play it again. If noise is still present we recommend the use of a wet cleaning system to remove grit embedded in record grooves (VPI in the U.S.A., and Keeth Monks in the U.K. produces such cleaners).

Tremendous distortion

Turn off your amplifier immediately and verify that the player is connected to correct input of amplifier.

*PHONO OUT (MM level) -----PHONO INPUT

*LINE OUT (Line level)-----AUX,CD,TUNER Etc.

Buzzing and humming

Make sure that all cables are firmly plugged in.

Occasional distortion on audio peaks

This can be caused by a severely damaged record, a poor pressing, or foreign matter on the record surface. Try cleaning the record thoroughly.

Distortion can also be the result of record quality. While a conventional mechanical stylus can only "read" a limited area of a record groove, the Laser Turntable reads the contents of the entire groove wall. If these groove walls were cut at a level of modulation higher than industry specifications, some high frequency, high level signals such as cymbal crashes may sound different and even distorted on the Laser Turntable.

The display shows incorrect record profiles.

The record is dirty or has a non-standard groove structure. Some records may exhibit incorrect profiles because of differences in recording and production techniques. Clean the record and reinsert it. If profiling problems persist, you can define profile boundaries manually. See section 7.3 (Adding and deleting boundaries).

If you are still experiencing problems, contact your authorized ELP dealer or call ELP Corporation at +81-48-883-8502 in Japan.

LICENSE FOR AND PROTECTION OF INTERNAL CODE

The Laser Turntable is a microprocessor-controlled system which is specially programmed with proprietary "Internal Code". Internal Code means all software delivered internal to and integrated with the Laser Turntable.

ELP Corporation grants to the owner, for so long as the owner shall own the LT-1LRC, a nonexclusive license to use the Internal Code solely in conjunction with the operation of the Laser Turntable, and only in the manner provided for by ELP Corporation at the time of delivery of the player.

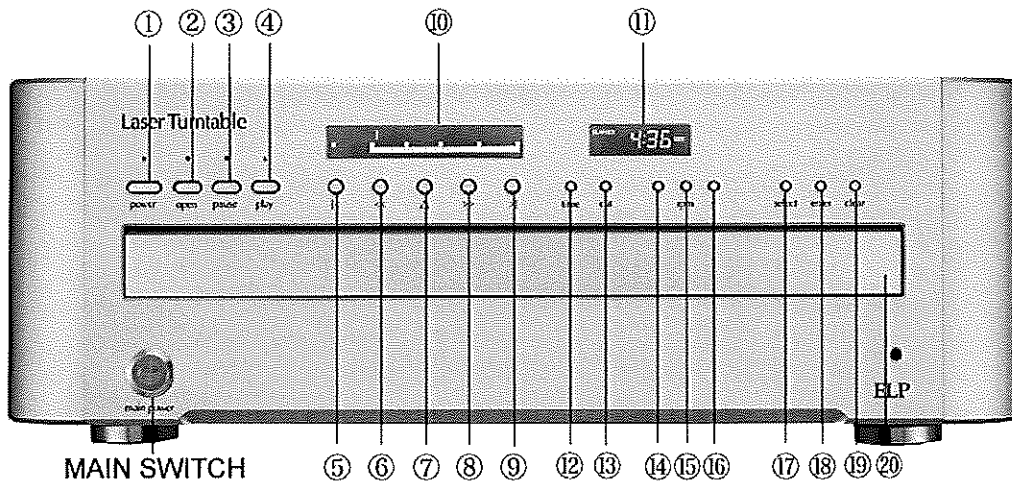
The owner receives no right, title, or interest in the Internal Code, except for the license granted above, and the owner shall not in any way display, copy, reproduce, alter or modify the Internal Code.

ELP Corporation grants the owner the right to transfer the license for Internal Code to any subsequent owner of the Laser Turntable, provided that the subsequent owner is bound by the same terms and conditions binding on the owner.

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Controls and Functions



- | | |
|--------------------------|-------------------|
| ① power button | ⑪ Message display |
| ② open 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 |