

Congratulations!
You are the proud owner of the

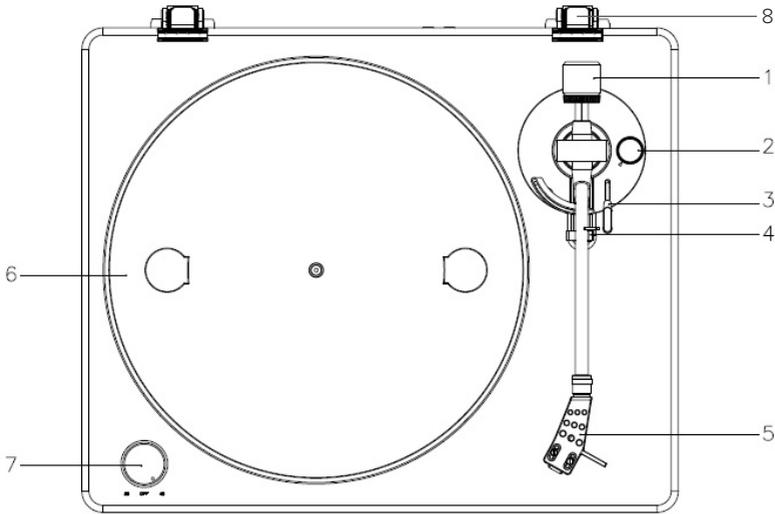
MIRACORD 50

Congratulations on the purchase of your ELAC turntable that has been designed in accordance with strict quality and environmental requirements. Please read the instruction manual carefully.

We recommend keeping it in a safe place for future reference. Please note the enclosed safety instructions. Please follow the instructions and keep the safety instructions. Heed all warnings on the appliance and in the manual.



DESCRIPTION



1. Counterweight

The counterweight is used for precise adjustment of the stylus pressure on the vinyl, to properly balance the tonearm.

2. Anti-Skating Control

Use this to set the anti-skating force of the tonearm.

3. Tone arm Lever

Use this lever to lower and raise the tonearm.

4. Tone arm Lock (arm rest)

Use this to lock the tone arm in place when not in use.

5. Headshell

This holds the stylus (“needle”) in place and provide protection by means of its removable stylus protection cap (not shown)

6. Platter

Place the record here when playing.

7. 33 / 45 RPM Switch (33 / STOP / 45)

Select 33 or 45 rpm for playing a vinyl, switch to “STOP” to pause the playing. Switch to 33 or 45 again, to continue the playing from the pause point.

8. Clamps

Clamps for the dustcover.



8. Signal Connectors

Plug in the RCA cable, and connect the cable to the audio amplifier.

9. Pre-Amp ON/OFF selector

* ON: Connect the RCA cable to the LINE-IN terminal of the amplifier.

* THRU: Connect the RCA cable to the PHONO-IN terminal of the amplifier.

10. Power supply jack

To plug-in DC 12 V / 0.5 A switching adaptor for power supply.

11. Power Switch

During PAUSE mode (33 / STOP / 45 switch is in "STOP" position), the motor is still activated. Switch off the player after use to save energy.



DUST COVER INSTALLATION

- 1) Unwrap the two hinges and the dustcover.
- 2) Note that the hinges have a clamp side and a tab side.
- 3) Note that the dustcover has two spots on its rear edge shaped to accept the clamps.
- 4) Carefully push the clamps onto the dustcover in these locations.
- 5) Now snap the two clamps into the areas indicated at the back of the turntable to accept them.

MOUNT AND ADJUST

- 1) Place the aluminium turntable platter over the center spindle. Place your fingers through one of the access holes and grab the rubber belt and stretch it over the motor pulley. Be sure the belt is not twisted.
Spin the platter a few times to be sure the belt runs smoothly. Now place the rubber platter mat on top of the platter so the ribbed sections point upward.
- 2) Insert the headshell into the tone arm and fix it by turning the collar.
- 3) Insert the counterweight on the end of the tone arm, rotating it until it threads into place. Make sure the gauge is pointing in your direction.
- 4) Rotate the antiskating knob counterclockwise until it is set to „0“.
- 5) Place the lever for the tone arm lift in the front position so that the lift bank lowers.
- 6) Open the tone arm lock. Seize the handle of the tone arm and move it just outside the edge of the platter so that it can float up and down. Remove the protective cap from the stylus. (Be careful not to hit the stylus against anything.)
- 7) Turn the counterweight until the tone arm floats level. If the tone arm moves up: Turn the counterweight counter-clockwise. If the tone arm moves down: Turn the counterweight clockwise.
- 8) Put the tone arm back onto the arm rest and lock it.
- 9) The counterweight has a rotary ring with a scale. Without turning the counterweight, only turn the ring until the zero „0“ aligns with the indicator line.
- 10) The scale indicates the stylus pressure in grams. The pressure of the cartridge supplied with this turntable is 2.0 g, turn the entire counterweight (not just the ring this time) counter-clockwise to „2“ and the antiskating to „2“. If a different cartridge is used, adjust the stylus pressure and the antiskating indicated to the corresponding specifications.

Further information and instructions at:

www.youtube.com/c/ELACElectroacousticGmbHKiel



MAINS CONNECTION

An external switching power adaptor (DC 12 V / 0.5 A) is supplied with this turntable. Your unit is ready to be connected to a mains voltage of 110 V / 60 Hz or 230 V / 50 Hz.

AMPLIFIER CONNECTION

There is a Phono/Line selector next to the RCA jack on the rear panel of the turntable.

- If your amplifier has “PHONO” input, switch the selector to “THRU”, and connect the RCA plug to the PHONO INPUT of your amplifier.
- If your amplifier does not have “PHONO” input, switch the selector to “ON”, and connect the RCA plug to the “LINE” input of your amplifier.

Red plug into R channel input, White plug into L channel input.

PLAYING A RECORD

- 1) Place the record on the turntable. If it is a 45 rpm, you need to place the adaptor on the record spindle.
- 2) Choose the playing speed.
- 3) Release the pick-up arm clip.
- 4) Place the cartridge vertically over the first track of the record the turntable starts turning.
- 5) Lower the cue lever to place the stylus in the groove
- 6) When playback is complete, push the cue lever to lift the tone arm and move it back to the arm rest.
- 7) If you want to pause the playback, switch the knob to “off”, and switch it to 33 or 45 to continue the playback.
- 8) After finish the playback, please switch off the power to save energy.



TO REPLACE THE STYLUS

- Put the rest clip on the pick-up arm.
- Remove the protective cap from the stylus.
- Pull the stylus to the lower front and remove it.
- Put in the new stylus following the reverse procedure.
- Replace the protective cap on the stylus.

TO REMOVE THE CARTRIDGE

- Put the rest clip on the pick-up arm.
- Remove the stylus to prevent damage.
- Remove the two cartridge fixing screws.
- Disconnect the four link wires at the back of the cartridge.

TO INSTALL NEW CARTRIDGE

- Connect the four link wires.
- Take care of the receptacle's colors.
- Install the cartridge in the head shell.
- Install the two cartridge fixing screws.
- Re-install the stylus.
- Replace the protective cap on the stylus.

IMPORTANT RECOMMENDATIONS

We advise you to clean your records using a rag impregnate with an antistatic product for maximum enjoyment of your records and also to make them last. We would also point out that for the same reason your stylus should be replaced periodically (approximately every 250 hours). Dust the stylus from time to time using a very soft brush dipped in alcohol (brushing from back to front of the cartridge).

WHEN TRANSPORTING YOUR RECORD PLAYER DO NOT FORGET TO:

Replace the protective cap on the stylus.
Disconnect the drive belt by stretching it over the motor pulley, and allow it to wrap back around the inner drive area and then remove the platter by pulling it straight up off the spindle.
Put the rest clip into the pick-up arm.

TROUBLESHOOTING

Symptom	Possible root cause	Remedy
Motor doesn't work	No connection to the mains or mains fuse is blown	Check mains plug, receptacle and fuse
	Power supply not connected properly	Check the low voltage plug for correct fit and fix it.
	Front switch in position „0“	Switch the front switch to position "1".
Audio signals are reproduced not loud enough and eventually distorted	The turntable is connected to the pre amp's line input, but the phono pre amp which is implemented in the turntable is switched to "THRU".	Connect the turntable to the phono input of your pre amp _OR_ switch the internal phono pre amp to "ON".
Audio signals are reproduced too loud and eventually distorted	The turntable is connected to the pre amp's phono input, but the phono pre amp which is implemented in the turntable is switched to "ON".	Connect the turntable to the line input of your pre amp _OR_ switch the internal phono pre amp to "THRU".
The right channel appears on left channel and vice versa	The channels are swapped	Swap the two RCA plugs (left and right channel) which are plugged into the turntable's RCA jacks.
Loud humming noise	Metal housing acts as antenna creating AC Mains hum	Check all connections; for acoustical check relating major problems reduce the amp's volume level to minimum. Possibly the RCA plugs ground rings should be readjusted.
Faint humming noise	Ground wire not attached	In certain cases, it makes sense to connect the metal parts of the turntable to signal ground of the (phono-) preamp. On the rear side of the turntable there's an earthing screw for this purpose. Please use the wire attached to the included RCA cables for this.
The music pitch is wrong	Wrong speed selected	Check which speed should be chosen for playing the current record. There are also records on the market which have the same diameter as an LP (30 cm) but must be played at 45 rpm (e.g. maxi singles). On the other hand, there are also records in single format (17 cm) which should be played at 33 1/3 rpm (so called "EPs").

⦿ Maintenance:

Your turntable is maintenance-free. Changes in acoustical behaviour are so minute, that the human ear will probably change more than the turntable actually does. Only the needle should be checked from time to time and eventually be replaced.

- ⦿ **Clean your turntable only with a soft, dry and smooth cloth**, with a dust brush. Do not use scouring powder, alcohol, benzene, French polish, or other agents. Do not expose your turntable to a relatively high humidity. Temperature variations, humidity and excessive sunlight may damage the turntable and result in optical changes.



In the case of malfunction of your turntable apply to an expert. Your special dealer will be pleased to help you. If a turntable should be destroyed through improper use by a second person the repair requires special know-how in order to provide accurate performance of your device. Many of today's modern furniture are coated with multiple varnishes and plastics which may be treated with chemical agents. Some of these agents might contain substances which cauterize or soften the rubber feet. Therefore, we would like to advise you to place an anti slip mat underneath the turntable.

⦿ Production Control

Every production step is controlled individually. Each part of the turntable (e.g. tonearm or motor) is tested several times, from the purchase until the final assembly. In the final control, every turntable is tested acoustically, i.e. skilled ears check the acoustic quality of each frequency range. To be able to observe the tolerance limits, variations e.g. the values of the electric components must be severely restricted, since inaccuracies of single components may add up in the total system. To achieve maximum production quality, compliance with ELAC quality criteria and guidelines can be regarded as the most important duty.

⦿ Turntable Disposal

Please keep the cardboard box and packaging. Since the box and packaging represent the ideal container for the appliance, you should keep them for future transports.

⦿ Material-Specific Disposal

If you want to discard the packaging, please do not put it in the household waste, since here it will be mixed up with other residual materials. Please, do not give the material to collecting points for paper or other materials, but take it to the dealers. The packaging represents an important recoverable material. It consists of fabric, plastic (bag and packing parts) as well as cardboard, which should be returned to the material resources cycle for recycling. We have an agreement with your special dealer to take back and dispose of the material in a way that guarantees material-specific disposal. Thus, please, take the packaging back to your dealer for disposal.

⦿ Recycling

Support the environmentally-friendly disposal of electronic industry waste.



Old electronic and electrical appliances must not be disposed of in the same manner as regular household waste!

Environmentally-friendly recycling must take place according to each country's regulations.

TECHNISCHE DATEN / SPECIFICATIONS

TURNTABLE SECTION / PLATTENTELLER

- Drive System / Antriebssystem
- Motor
- Selectable Speeds / Wählbare Geschwindigkeiten
- Rotation Speed Variation / Variation Drehgeschwindigkeit
- Wow and Flutter / Tonhöhenschwankungen
- Signal-to-Noise Ratio / Störabstand

- Platter / Plattenteller

Belt drive / Riemenantrieb
DC motor
33 $\frac{1}{3}$ and 45 rpm
+/-1 %
0.1 %
-67 dB or higher (A-weighted)
-60 dB or higher (unweighted)
Aluminum die cast / Aluminiumguss

CARTRIDGE SECTION / TONABNEHMER

- Type / Typ
- Frequency Response / Frequenzgang
- Channel Separation / Kanaltrennung
- Channel Balance / Kanalgleichheit
- Vertical Tracking Angle / Vertikaler Spurwinkel
- Supported Load Impedance / Lastimpedanz
- Stylus Pressure / Auflagegewicht
- Cartridge Weight / Gewicht des Tonabnehmers
- Headshell Weight / Gewicht des Kopfrägers

Audio-Technica AT91 moving magnet
20 Hz to 20 kHz
>18 dB
2.5 dB
20 degrees
47 k Ω
2.0 g +/-0.5 g
5.0 g +/-0.5 g
11.0 g (including screws, nuts and wires)

TONEARM SECTION / TONARM

- Type / Typ
- Stylus Pressure Range / Auflagegewicht
- Cartridge Weight Range / Gewicht Tonabnehmer
- Effective Arm Mass / Effektive Masse des Arms
- Overhang / Überhang
- Offset Angle / Offset-Winkel
- Anti-Skating Adjustment / Anti-Skating-Einstellung
- Main Bearing / Hauptlager

Aluminum tube / Aluminiumrohr
0 to 4.0 g
3.5 to 6.0 g
27.4 g
18.6 mm
25 degrees / 25 Grad
0...4
Stainless steel / Edelstahl

PHONO EQUALIZER AMPLIFIER / PHONO-VORVERSTÄRKER

- Type / Art
- Phono Output
- Line Output

Moving magnet (MM)
2.5 mV (1 kHz, 3.54 cm/sec)
140 mV (-17 dBV)

CONNECTOR / AUSGANG

RCA jacks including RCA cable
Cinch inkl. Verbindungskabel
100 to 240 V AC / 50/60 Hz
1.5 W (less than 0.5 W at standby)
5.5" x 16.5" x 14.2"
140mm x 420mm x 360mm
12.1 lb / 5.5 kg (approx.)

VOLTAGE / BETRIEBSSPANNUNG

POWER CONSUMPTION / AUFNAHMELEISTUNG

DIMENSIONS (H x W x D)

ABMESSUNGEN (H x B x T)

WEIGHT / GEWICHT



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