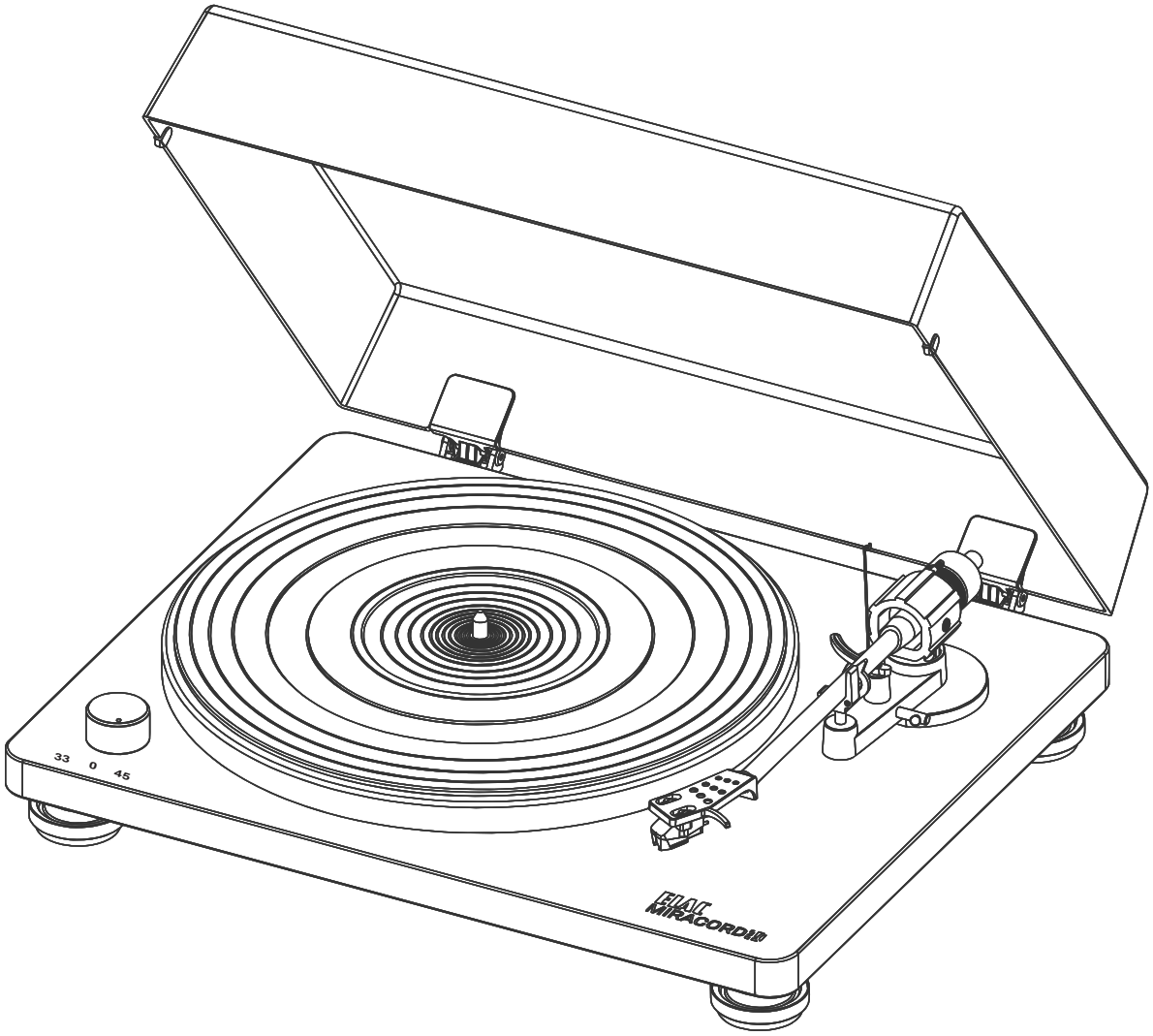
ELAC The life of sound.

Miracord 40

Owner’s Manual



ENGLISH

Belt-drive turntable with moving magnet cartridge

Welcome to Miracord.

Thank you for choosing ELAC. A little care during setup helps your records sound their best and protects the stylus.

Read the safety guidance before assembling the turntable. Complete the tonearm adjustments before playing a record, then select the connection that matches your listening system.

Safety and handling 3

Get to know your turntable 4

In the box 5

Unpack and prepare 6

Platter, belt and dust cover 7

Balance the tonearm 8

Zero the ring and set tracking force 9

Tracking force and anti-skate 10

Connect your system 11

Play a record 12

Care and transport 13

Troubleshooting 14

Specifications 15

Registration and owner resources 16

Warranty and service 17

Contacts and recycling 18

Safety and handling

Keep these instructions for future reference. Follow warnings on the turntable and adapter, and read the instructions for connected equipment.

Power and electrical safety

Use the supplied power adapter. Before connecting it, check that its input rating is suitable for your local mains supply. Do not use a damaged adapter, cable or connector.

Keep the wall outlet accessible. Disconnect the adapter from the wall outlet before cleaning, moving or servicing the turntable. Pull the plug, not the cable.

A safe place for your turntable

Use a stable, level surface indoors. Keep the turntable and adapter dry, away from sinks, splashes, direct heat and open flames. Do not place liquid-filled containers on or above the equipment.

Route cables so they cannot be stepped on, pinched or pulled. Keep packaging and small accessories away from children.

Protect the mechanism and stylus

Do not touch the stylus tip or the fine cantilever behind it. Lift the turntable by the plinth; never lift it by the tonearm, platter or dust cover. Keep fingers clear of the cover hinges.

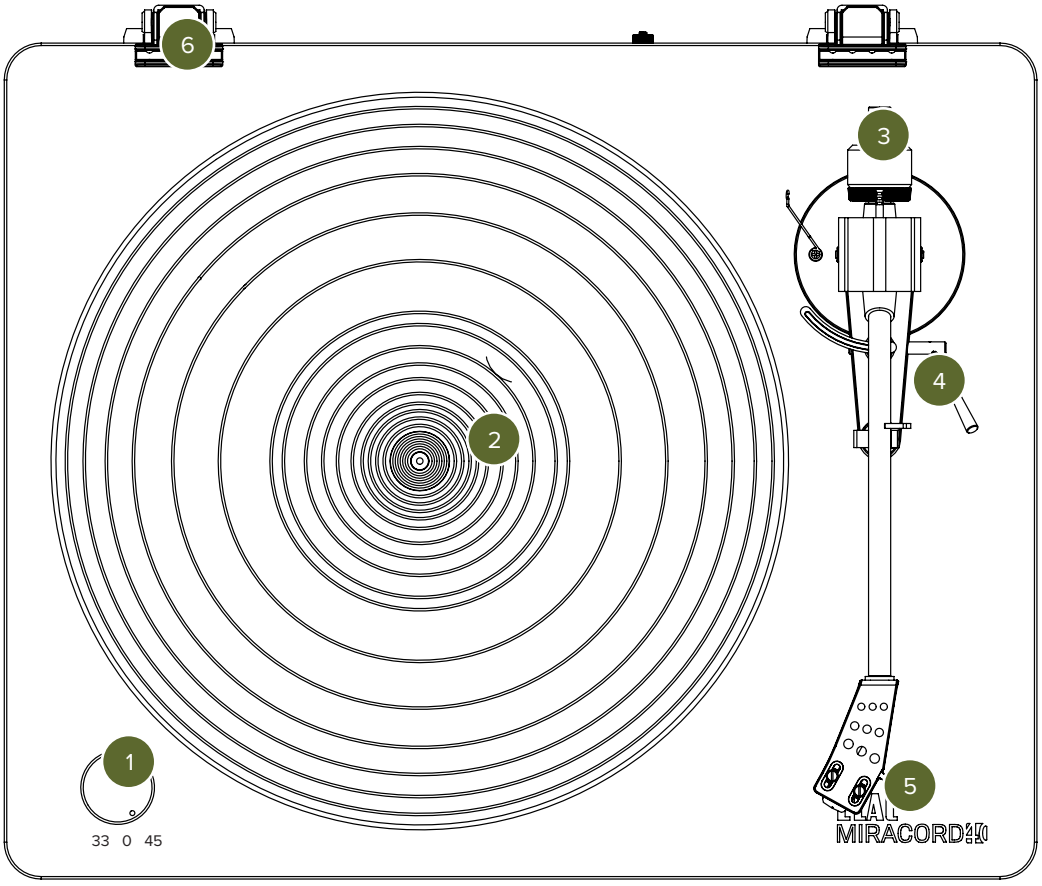
Do not open the cabinet or adapter. Leave repairs to qualified service personnel. If liquid enters the unit, it is dropped, or you notice unusual heat, smoke or a smell, stop using it, disconnect power when safe and contact ELAC.

Listen responsibly

Listen at a comfortable level. Prolonged high volume can damage your hearing.

Get to know your turntable.

Identify the controls before assembly. The tonearm and stylus are delicate: use the cue lever to lower and lift the stylus during playback.



1 Speed selector

33 / 0 / 45; centre 0 stops rotation.

2 Platter and mat

Support the record during playback.

3 Counterweight and scale

Balance the arm; set tracking force.

4 Cue lever

Raise and lower the tonearm.

5 Cartridge and stylus

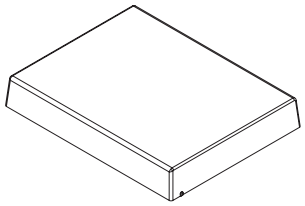
Trace the record groove.

6 Dust-cover hinges

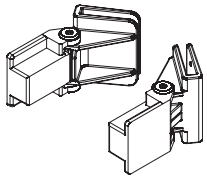
Support the removable dust cover.

In the box

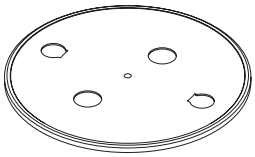
Your turntable comes with a fitted cartridge and the parts shown below. Identify the loose parts before starting assembly.

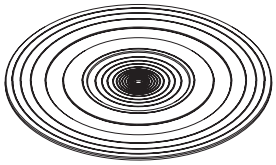


Dust cover

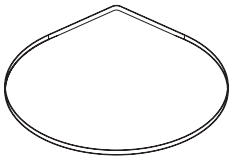


Dust-cover hinges



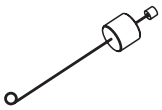


Platter and rubber mat

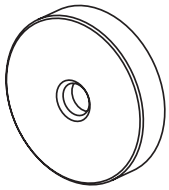


Drive belt

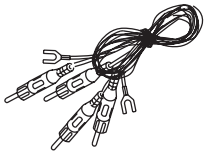




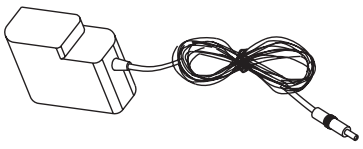
Counterweight and anti-skate weight



Large-hole record adapter



RCA cable with ground lead



Power adapter

Unpack and prepare.

Give yourself a clear, well-lit work area. Keep the packaging for future transport and check that no small parts remain in the packing material.

1 Remove the loose accessories

Set the accessories aside before lifting the turntable. Handle the dust cover by its edges. If anything appears damaged or missing, contact your dealer before continuing.

2 Lift and protect the turntable

Support the plinth with both hands and place it on the prepared surface. Keep the tonearm secured in its rest and keep the stylus guard fitted during assembly. Remove protective packing without pulling on the tonearm or wiring.

3 Choose a level location

Place the turntable away from loudspeakers and sources of vibration. Check the surface with a spirit level. Leave enough space above and behind the turntable for the dust cover to open without obstruction.

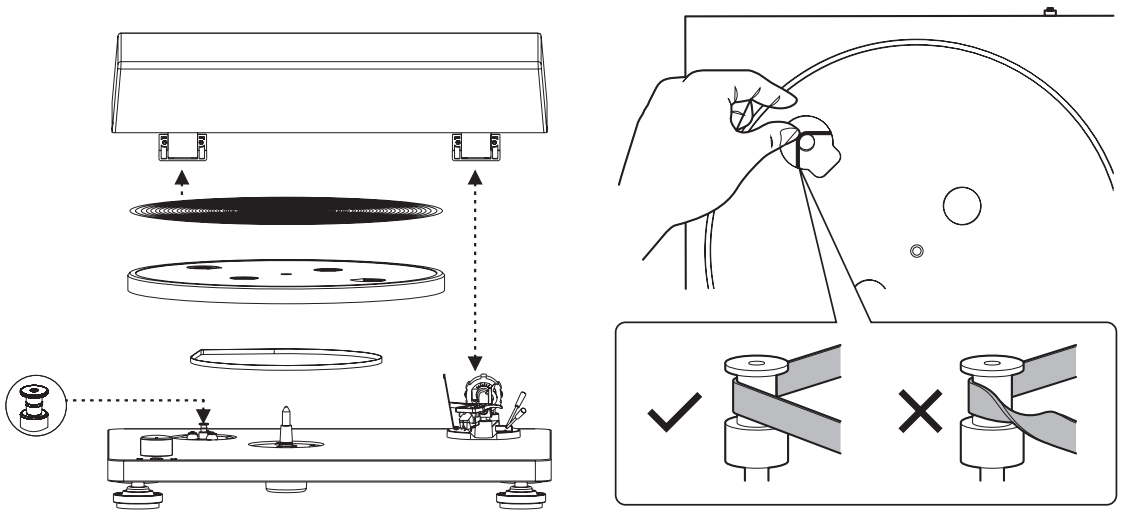
Keep the small parts together

Keep the counterweight and smaller anti-skate weight separate so they are easy to identify. Set the remaining parts aside in a safe place until each assembly step calls for them.

Do not connect power until assembly and tonearm setup are complete.

Platter, belt and dust cover.

Keep the tonearm secured and the stylus protected. Leave the power adapter disconnected while fitting the platter and belt.



Belt routing: the belt must lie flat, without a twist.

1 Fit the platter and belt

Seat the platter squarely on the centre spindle. Route the belt around the platter drive surface and motor pulley as illustrated. Use the platter opening to reach the pulley; do not stretch the belt more than necessary.

2 Check rotation and add the mat

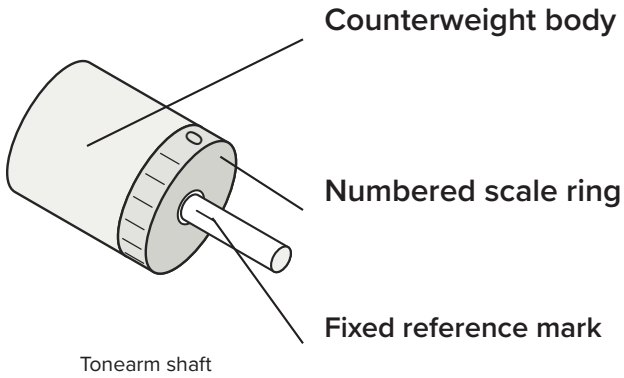
Turn the platter slowly by hand to check that the belt stays in place and moves freely. Lay the rubber mat flat on the platter, with its centre hole over the spindle.

3 Fit the dust cover

Seat the hinges in their matching fittings and fit the cover evenly. Support the cover while checking that it opens and closes freely; do not force it.

Balance the tonearm.

First make the arm float level. Then zero the numbered ring and set the tracking force on the next page.



Simplified view. Turn the body to move the weight; turn the ring to reset the scale.

1 Fit the counterweight

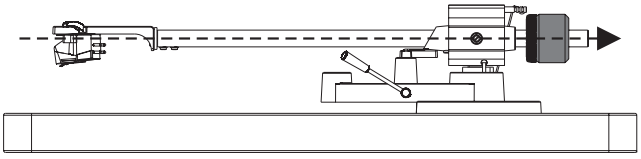
Fit the counterweight onto the rear of the tonearm, with the numbers facing toward the cartridge. Leave the hanging anti-skate weight unattached.

2 Release the arm carefully

Support the headshell (the part holding the cartridge). Remove the stylus guard, release the arm clip and move the arm clear of its rest. Still supporting it, lower the cue lever fully. Keep the stylus above a clear space, away from the platter and plinth.

3 Turn the weight until the arm floats level

Turn the counterweight body a little at a time. Briefly let go to check the balance, keeping a hand just beneath the headshell to catch it. Adjust until the arm stays level instead of rising or falling. Return it to the rest and secure the clip.



Balanced: arm floats level.

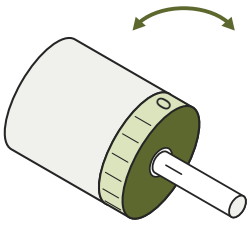
Zero the ring. Then set 2.0 g.

Keep the arm secured in its rest for both steps. The thin numbered ring can turn independently of the counterweight body.

4 Zero the scale - turn only the ring

Hold the counterweight body so it cannot turn or move along the arm. With your other hand, turn only the thin numbered ring until 0 lines up with the fixed reference mark.

The weight must stay where it was when the arm balanced. Zeroing the ring does not apply tracking force.



Tonearm shaft

HOLD THE BODY

Keep the weight in the same position.

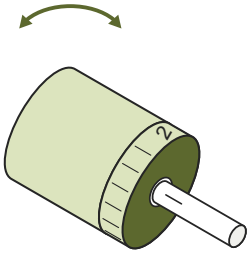
TURN THE RING ONLY

Align 0 with the fixed reference mark.

5 Set tracking force - turn the body and ring together

Now grip and turn the counterweight body. Let the numbered ring turn with it; do not turn the ring separately. Stop when 2.0 lines up with the same fixed reference mark.

This sets the recommended 2.0 g tracking force for the supplied AT95E cartridge.



Tonearm shaft

TURN TOGETHER

Counterweight body and numbered ring.

SET 2.0 g

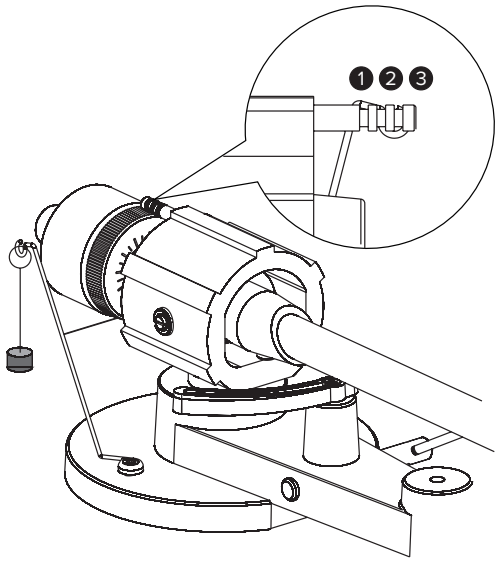
Align 2.0 with the same reference mark.

If the ring slips while you set the force, repeat the balance and zeroing steps. A stylus-force gauge can check the result. Next, attach the anti-skate weight to Notch 2 as shown on page 10.

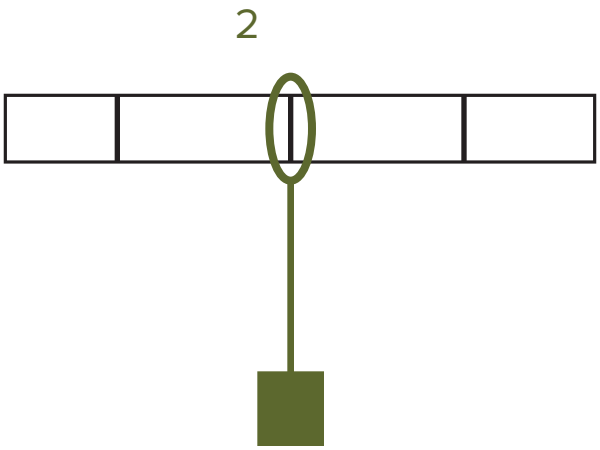
Tracking force and anti-skate

For the supplied AT95E cartridge, set the tracking force to 2.0 g and attach the anti-skate weight to Position 2, as illustrated.

Notch 2 - middle groove



Attachment point - enlarged



Attach the thread loop to the middle groove. Guide the thread over its support so the weight hangs freely, clear of the plinth and cables.

Anti-skate notch ranges

Notch	Tracking force
1	1.0-1.5 g
2	1.5-2.0 g
3	2.0-2.5 g

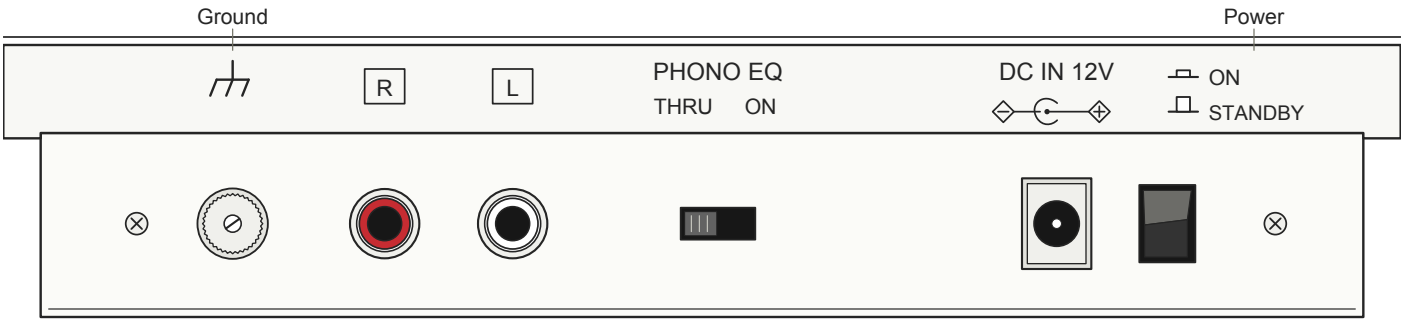
At 1.5 g, start with notch 1.
At 2.0 g, start with notch 2.

Changing the cartridge or stylus

Use the tracking force recommended for the cartridge or stylus. Where the ranges overlap, start with the lower notch. If you hear repeatable distortion mainly in the right channel, try the next notch while keeping the tracking force unchanged.

Choose the correct input.

Turn down the volume and switch off the connected equipment before connecting cables or changing the PHONO EQ setting.



PHONO EQ ON ➜ LINE / AUX | PHONO EQ THRU ➜ MM PHONO

LINE / AUX input: PHONO EQ ON

Set PHONO EQ to ON. Connect the RCA outputs to a LINE / AUX input on your amplifier, receiver or powered speakers: white to L, red to R. Do not use a PHONO input.

The built-in preamp normally works without a separate ground lead. If your amplifier or receiver has a GND terminal, connect the turntable's ground lead to it.

MM PHONO input: PHONO EQ THRU

Set PHONO EQ to THRU. Connect the RCA outputs to a compatible MM PHONO input or external MM phono preamp. If that phono stage has a GND terminal, connect the turntable's ground lead to it.

An external preamp's output then connects to LINE / AUX on the listening system.

Connect power

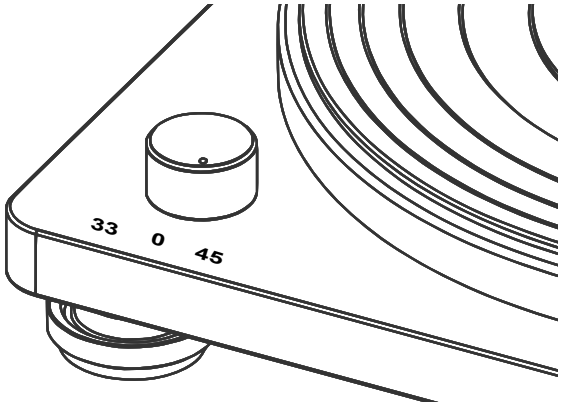
Never connect the ground lead to a wall outlet. Connect the supplied adapter to DC IN, then to a suitable wall outlet. Set the rear switch to ON and start with a low listening volume.

Play a record.

Check the tracking force, anti-skate and input selection before the first play. Remove the stylus guard carefully and keep it for storage.

1 Place the record

Place a clean record on the mat. Use the record adapter only when the record has a large centre hole. Select the speed marked on the record: 33 for 33 1/3 RPM or 45 for 45 RPM.



2 Cue the first track

Release the arm from its rest and raise the cue lever. Holding the headshell finger lift, position the stylus above the lead-in groove. Lower the cue lever slowly. Increase the volume only after playback begins.

3 Pause or finish playing

Raise the cue lever to lift the stylus. Guide the arm back to its rest, lower it gently and secure it. Turn the speed selector to the centre 0 position. Wait for the platter to stop before removing or turning over the record.

At the end of a side

Attend to the tonearm when the music finishes. Lift it with the cue lever and return it to its rest. Do not leave the stylus running in the end groove. When finished listening, put the rear power switch in STANDBY and close the cover.

Keep your records sounding good.

A clean stylus, clean records and careful handling help prevent noise and unnecessary wear. Disconnect power before cleaning the turntable.

Records and stylus

Hold records by their edges and label area. Remove surface dust with a suitable record brush and store records upright in clean sleeves.

Use a stylus brush intended for cartridges. Brush gently from the rear of the stylus toward the front, following the cartridge manufacturer’s directions. Do not brush sideways or push backward against the cantilever.

Plinth, cover and belt

Wipe the plinth and dust cover gently with a soft, dry cloth. Do not use solvents, abrasives or spray cleaners on the turntable.

Keep the belt and drive surfaces free of oil and grease. Do not apply lubricant or belt dressing. If the belt is damaged or no longer holds correctly, ask ELAC for a suitable replacement.

Replacing the cartridge or stylus

Use the cartridge manufacturer’s replacement instructions and compatible parts. After replacement, check alignment and set the specified tracking force. Contact ELAC for the corresponding anti-skate setting. Do not assume that a different stylus needs the same force.

Moving or storing the turntable

Remove the record, secure the tonearm and fit the stylus guard. Disconnect the cables. Carry the unit level by its plinth. For shipping, contact your dealer for packing guidance and use the original protective packaging. Loose parts must not be able to strike the tonearm or stylus.

Troubleshooting

Start with the simple checks below. Lower the listening volume and switch off the equipment before changing connections.

The platter does not turn

Check the adapter connections and rear power switch. Select 33 or 45. With power disconnected, check that the belt is fitted around the drive surface and motor pulley.

No sound, or sound is very quiet

Check the selected amplifier input and RCA connections. A LINE / AUX input needs PHONO EQ ON. A compatible MM PHONO input needs THRU. Passive speakers require an amplifier.

Sound is unusually loud or distorted

Check that PHONO EQ ON is not feeding a PHONO input. Reduce the volume. Inspect the stylus for dust or damage and recheck tracking force.

Hum or buzzing

Check RCA plugs and the ground connection required by your phono input. Keep signal leads away from power adapters and mains cables. Do not remove a protective earth connection.

Skipping or poor tracking

Check that the support is level and stable. Clean the record and stylus. Recheck balance, tracking force and anti-skate. Do not increase force beyond the cartridge recommendation.

Wrong pitch or unstable speed

Check the record’s required speed. With power disconnected, check for a twisted, displaced or damaged belt. Keep the turntable away from vibration.

If the problem continues, stop using the turntable and contact ELAC.

Specifications

Miracord 40

Drive	Belt drive
Motor	Electronically regulated DC motor
Playback speeds	33 1/3 and 45 RPM
Cartridge	Audio-Technica AT95E moving magnet
Supplied-cartridge tracking force	2.0 g
Anti-skate	Hanging weight; Notch 2 for supplied cartridge
Tonearm	Aluminium tube; adjustable tracking force
Platter	16 mm aluminium platter with a black-painted centre and sandblasted aluminium edge
Mat	Rubber
Phono preamplifier	Integrated MM RIAA; switchable ON / THRU
Audio connection	Stereo RCA outputs; ground terminal
DC input	12 V DC
DC connector polarity	Centre-positive
Power supply	Supplied external power adapter
Dimensions (W x D x H)	420 x 340 x 116 mm, with dust cover

Use only the supplied power adapter. Check its input label for local mains compatibility. Contact ELAC for a replacement adapter.

Make yourself at home.

Register your Miracord 40, find setup help and keep your purchase information together.

Register your product

Visit elac.com/customer-login. Sign in or create an ELAC account, then follow the product-registration options. Have the model and serial number ready.

Keep your sales receipt. Product registration does not replace proof of purchase for a service claim.

Setup and owner resources

resources.elac.com/miracord40-thankyou

Setup and connection guidance for your Miracord 40.

Get product support

resources.elac.com/submit-support-request

Include your model, serial number and a brief description of the issue. Keep your receipt available if service is needed.

Your product record

Model: Miracord 40

Serial number: _____

Purchase date: _____

Dealer: _____

Warranty and service

Warranty coverage and service arrangements depend on the country of purchase.

United States and Canada

ELAC Americas covers defects in non-speaker electronics for one year from the original purchase from an authorized dealer. Covered repairs and replacement parts are free. The original purchaser pays shipping both ways. Coverage is for home use within product ratings. The policy excludes commercial use, modification, misuse, faulty connected equipment and altered or missing serial numbers.

European Union

ELAC Electroacustic GmbH covers material, design and workmanship defects for two years from the sale date on the receipt for EU purchases from authorized dealers. This manufacturer warranty is in addition to your statutory rights. See the regional terms for exclusions and shipping arrangements.

Purchases in other markets

Ask your local dealer or distributor in the country of purchase for the applicable warranty and service terms.

Requesting service

Contact ELAC or your authorized dealer before returning a unit. Have your model, serial number and receipt ready. See page 18 for contact details.

Warranty information

elac.com/warranty-information

elac.com/de/garantiebestimmungen

Here to help.

For setup guidance, replacement parts or service, contact your ELAC dealer or the appropriate regional team.

Manufacturer / international

ELAC Electroacustic GmbH

Fraunhoferstraße 16

24118 Kiel

Germany

+49 (431) 64774-0

info@elac.de

USA and Canada

ELAC Americas Inc.

1938 N. Batavia Street, Suite K

Orange, CA 92865

USA

Support: +1 (888) 541-0996

Main: +1 (714) 252-8843

customerservice@elac.us

Before sending a product

Contact ELAC for service instructions and the correct return address before shipping. The contact addresses above may differ from the service location.

Responsible disposal

Keep electrical equipment separate from ordinary household waste where separate collection is provided. Ask your local authority or dealer about suitable collection and recycling. Recycle packaging through the appropriate local facilities.

elac.com/contact-us