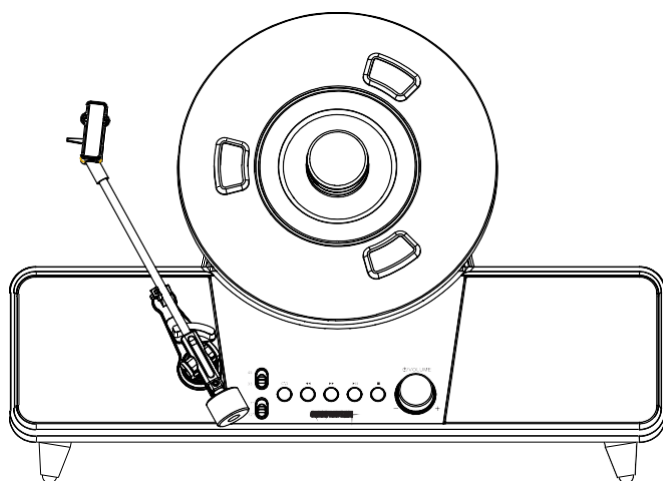
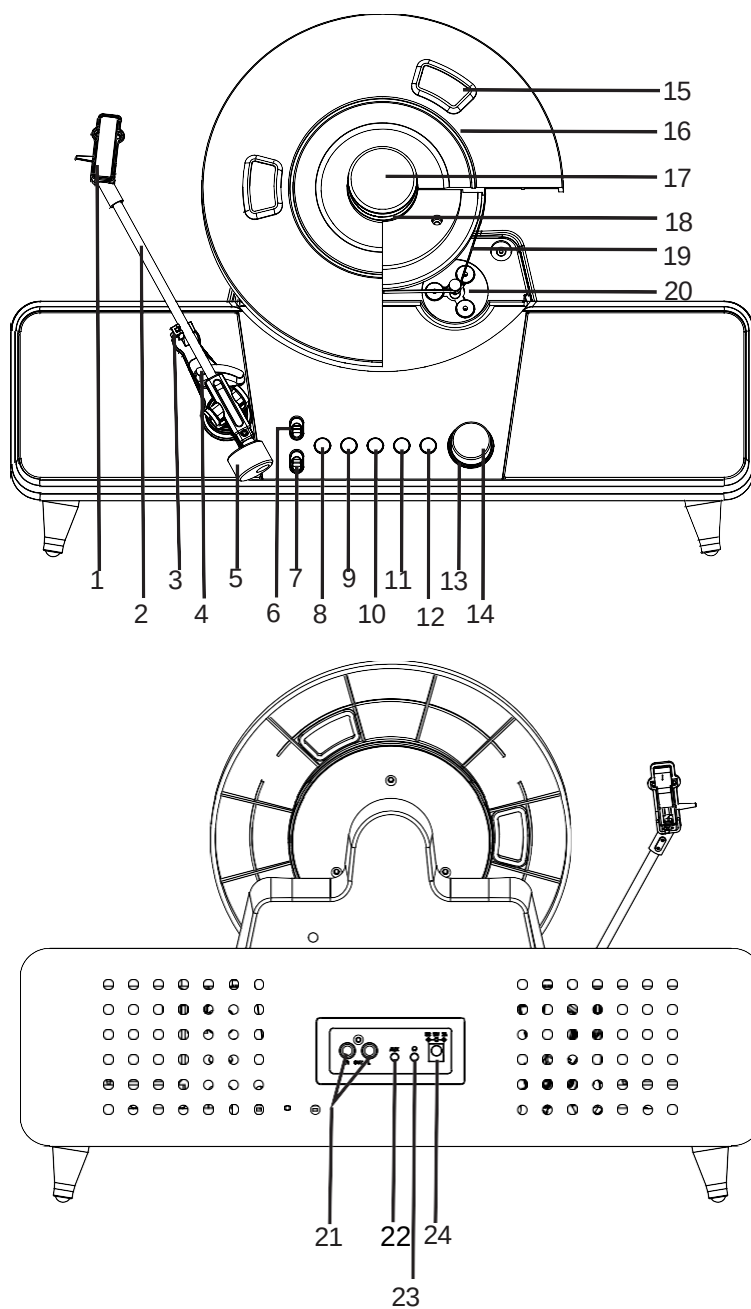




VerticalSpin

INSTRUCTION MANUAL

Overview



- | | |
|--------------------------|-----------------------------|
| 1. Cartridge | 14. Power /Volume/Mode Knob |
| 2. Tonearm | 15. Silicone Pads |
| 3. Tonearm clip | 16. Turntable platter |
| 4. Tonearm lift | 17. Magnetic Holder |
| 5. Tonearm counterweight | 18. Turntable hub |
| 6. Speed Switch | 19. Drive belt |
| 7. Size Selector | 20. Drive pulley |
| 8. Repeat Button | 21. Line Out Jacks |
| 9. Backward Skip Button | 22. Aux In Jack |
| 10. Forward Skip Button | 23. Headphone Jack |
| 11. Play/Pause Button | 24. Power Jack |
| 12. Stop Button | |
| 13. Indicator Light | |

25. Power Button

26. Stop Button

27. Mode Button

28. Up Button

29. Backward Skip Button

30. Forward Skip Button

31. Play/Pause Button

32. Down Button

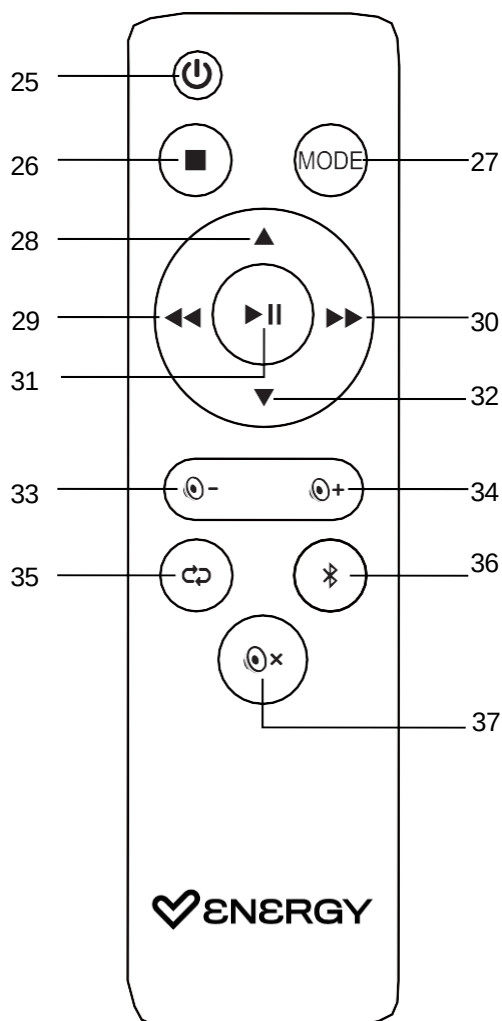
33. Volume- Button

34. Volume+ Button

35. Repeat Button

36. Bluetooth Button

37. Mute Button



Specifications

Power input	DC 12 V, 2 A
Power consumption:	24 W
Speaker:	10WX2
Channel separation:	< 20 dB
Turntable speed:	33 1/3, 45 RPM
Speed variance:	+/- 1.5%
Wow and Flutter:	< 0.2%
Signal-to-noise:	75 dB
Effective tonearm length:	200 mm
Overhang:	21.4 mm
Dimensions:	287x470x345 mm
Weight:	4.5 kg
Cartridge: Audio-Technica 3600L Frequency response:	20 Hz - 20 kHz
Channel balance:	< 1 dB
Channel separation:	>20 dB
Output voltage:	240 mV
Recommended load resistance:	47 kΩ
Amplifier connection:	Pre-amplification
Recommended tracking pressure:	3.5 +/- 0.5g

Included in the Box

Before disposing of any packaging materials, please check carefully to ensure that you have received all of the following items:

- Turntable
- Turntable Platter
- Magnetic Holder
- Drive Belt
- Remote Control
- Power Adaptor
- Instruction Manual

Setting Up the Turntable

Please follow the steps below to prepare your turntable for use:

1. Place the turntable on a **flat, stable and level surface**, free from vibration.
2. Remove the **tie-wrap securing the tonearm (2)**.
3. The **drive belt (19)** is factory fitted to the underside of the turntable platter.
Loop the belt around the **drive pulley (20)**.
4. Insert the **turntable platter (16)** onto the centre spindle.
To help with belt installation, the **three silicone pads (15)** can be temporarily removed. Place the belt over the **drive pulley slot**.
5. Once the belt is correctly positioned, push the platter fully into place.
Gently rotate the platter by hand a few times to ensure the belt is secure.
Re-install the **three silicone pads (15)** onto the platter.
Note: The silicone pads also act as the slip mat on top of the platter, so it is important to keep hold of them ensure they are put back correctly.
6. Connect the supplied **power adaptor** to the **power socket (24)** on the rear of the turntable, then plug it into the wall outlet.

Switching On

Once the unit is connected to the mains power supply, a **red LED light** will illuminate on either side of the **Power Knob (14)**.

This indicates that the unit is in **Standby Mode**.

To switch the unit on:

- Press and hold the **Power Knob (14)** on the main unit, **or**
- Press the **Power button (25)** on the remote control.

The LED light will change from **red** to a coloured light, indicating the selected operating mode:

- **White LED** – Vinyl (Phono) Mode
- **Blue LED** – Bluetooth Mode
- **Pink LED** – AUX Input Mode

To change between modes, press the **Mode button (14)** on the main unit or the **Mode button (27)** on the remote control

Connecting Extra Speakers Using the RCA Line Out Jacks

Your record player is fitted with **RCA Line Out jacks (21)**, allowing you to connect it to an external sound system or powered speakers for enhanced audio performance.

These sockets can be connected to:

- Powered (active) speakers
- A stereo amplifier
- The **phono pre-amp** or **phono/line input** of a hi-fi system

Connection guide:

- **Red plug → Right audio channel**
- **White plug → Left audio channel**

Simply connect the corresponding coloured plugs from your RCA cable into the matching jacks on your record player, then connect the other end to your external audio equipment.

Important note:

The Line Out jacks are designed for use with **powered (active) speakers or an amplifier only**.

They are **not suitable for direct connection to passive (unpowered) speakers**. If passive speakers are connected directly, the sound will be very quiet and may not operate correctly.

AUX Input Connection

This unit allows you to connect external audio devices and play music through the built-in speakers.

To use the AUX input:

1. Press the **Mode button (14)** until the unit is set to **AUX mode**
2. Using a **3.5 mm auxiliary cable** (not included), connect your audio device to the **AUX IN jack (22)** on the turntable.
3. Start playback on your connected device.

When AUX mode is selected, the **function indicator light will illuminate pink**.

Headphone Operation

To listen privately through headphones, insert the headphone plug into the **Headphone Jack (23)** located on the rear panel of the unit.

Once the headphones are connected, the **built-in speakers will automatically mute**, and audio will be heard through the headphones only.

Note:

For best performance and to help maintain the product, we recommend unplugging the turntable from the mains power supply when it is not in use

Bluetooth Operation

This unit features built-in Bluetooth, allowing you to stream music wirelessly from your smartphone, tablet, or other Bluetooth-enabled devices.

To pair a Bluetooth device:

1. Press the **Mode button (14)** on the main unit or **Mode button (27)** on the remote control until **Bluetooth mode** is selected. The **function indicator will flash blue**, indicating the unit is ready to pair.
2. Enable Bluetooth on your audio device and search for available devices.
3. Select **“Energy VerticalSpin”** from the device list to pair.
4. Once pairing is successful, you will hear a short confirmation tone and the **indicator light will remain solid blue**.
5. You can now play music from your device through the turntable's speakers.

Playback controls:

- **Play/Pause:** Press **(11)** on the unit or **(31)** on the remote control
- **Next Track:** Press **Forward Skip (10)** on the unit or **(30)** on the remote
- **Previous Track:** Press **Backward Skip (9)** on the unit or **(29)** on the remote

To disconnect Bluetooth:

- Press and hold the **Stop button (12)** on the unit, or press the **Bluetooth button (36)** on the remote control.
- Repeat the same action to reconnect Bluetooth.

Playing a Record

This is a fully automatic turntable.

This means the tonearm will automatically lift, move into position, lower onto the record, return to its rest, and stop the platter at the end of playback. You do not need to manually place the tonearm on the record or lift it when playback finishes

1. Press the **Mode button (14)** on the main unit or **Mode button (27)** on the remote control to select **Phono (Vinyl) mode**.
Note: The function indicator will illuminate **white**.
2. Set the **Size Selector (7)** and the **Speed Selector (6)** to match your record.
3. Remove the **Magnetic Holder (17)**. Place your record onto the turntable platter, then refit the **Magnetic Holder (17)** to secure the record.
4. Carefully remove the **stylus protector** from the cartridge.

Important: To avoid stylus damage, always refit the stylus protector whenever the turntable is being moved or cleaned.

5. Release the **Tonearm Clip (3)**.

Note: Always secure the tonearm with the clip when the turntable is not in use.

6. Press the **Play/Pause button (11)** to start playback.
7. To pause playback, press the **Play/Pause button (11)** again. The tonearm will automatically lift.
8. To completely stop playback, press the **Stop button (12)**. The tonearm will return automatically to the tonearm rest.
9. Secure the tonearm by locking the **Tonearm Clip (3)**.
10. To move to a specific point on the record, press and hold the **Forward Skip (10)** or **Backward Skip (9)** buttons.
11. To repeat the entire record, press the **Repeat button (8)**. Press again to cancel repeat mode.

Note: When Repeat mode is active, the function indicator will illuminate **green**.

Replacing the Cartridge

Follow these steps carefully to replace the cartridge without damaging the stylus or tonearm:

1. **Protect the stylus:** Place the stylus protector back on the stylus before starting the replacement. This prevents accidental damage.
2. **Disconnect the wires:** Carefully remove the wires from the original cartridge. You may use a pair of pliers or tweezers, but **never pull the wires forcefully**.
3. **Remove the old cartridge:** Peel off any protective cover stuck to the cartridge. Loosen the two screws on the headshell securing the cartridge, then gently remove the original cartridge.
4. **Install the new cartridge:** Mount the new cartridge onto the headshell and tighten the screws lightly. Do **not** fully tighten them yet.
5. **Reconnect the wires** using the following colour code:
 - **White** – Left channel positive (L+)
 - **Black** – Left channel negative (L–)
 - **Red** – Right channel positive (R+)
 - **Black** – Right channel negative (R–)
6. **Align the cartridge:** Adjust the position of the cartridge so it sits at the correct angle relative to the grooves on the record.
7. **Secure the cartridge:** Once aligned, carefully tighten the screws completely and check that the cartridge maintains the correct angle. Reattach the stylus protector if needed.

Needle Replacement

Removing Needle (diagram below):

1. Gently pull down the front edge of the needle.
2. Pull needle forward.
3. Pull out and remove.



Installing Needle (diagram below):

1. Position the needle with its tip facing down.
2. Line up the back of the needle with the cartridge.
3. Insert the needle with its front end at a downward angle and gently lift the front of the needle upward until it snaps into place.



Troubleshooting

Issue	Solution
The power is on, but the platter is not turning	Check that the drive belt (19) is installed correctly Check that the drive belt (19) is installed correctly and has not slipped off.
The record sounds too fast or too slow	Ensure the speed selector matches the record type.
Strong hum when using the phono input	- Check that the cable is grounded correctly . - Ensure there is no interference from nearby electrical devices, such as adapters, power bricks, TVs, or similar electronics.

Safety Information

- Read the instruction manual thoroughly **before use**.
- Use only the **supplied power adapter**.
- Always ensure the **stylus guard** is in place when moving or cleaning the turntable to prevent damage to the stylus.
- Do **not** place an open flame near the unit.
- **Do not attempt to repair the turntable yourself.** Repairs should only be carried out by the manufacturer, its service agent, or a similarly qualified person.
- If the **power cord is damaged**, it must be replaced by the manufacturer or a qualified service professional to avoid hazard.
- Unplug the turntable during **thunderstorms**.
- Never insert objects into the unit, as this could contact high-voltage points or short-circuit components, potentially causing fire or electric shock.
- Do **not** use the turntable after it has been dropped or damaged.
- Store the turntable in a **dry, safe location**, away from moisture and extreme conditions.

EU DECLARATION OF CONFORMITY

Issuer's name: **Energy Sistem Technology, S.A.** - CIF: A53107488.
Address: Calle Calpe nº1, 03509, Finestrat (Alicante), Spain.

We declare under our exclusive responsibility that the following product:

Description: **Turntable**
Trademark: **Energy Sistem**
Model name: **VerticalSpin**
Model number: **501823**
Manufacturer: **Energy Sistem Technology, S.A.**
Manufacturing Country: **China**

Is in compliance with the following directives of the European Union:

- **2014/53/EU CE (RED) Directive**
- **2008/98/CE Directive, Regulation (EU) 2023/1542**
- **2011/65/EU RoHS Directive**



For the testing of the compliance with the mentioned directives, the following standards are applied:

Article 3(1)(a) ■ Safety	EN IEC 62368-1:2020+A11:2020
Article 3(1)(a) ■ Health	EN 50663: 2017; EN 62479: 2010
Article 3(1)(b) ■ EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09) EN 55032: 2015+A1: 2020 EN 55035: 2017+A11: 2020
Article 3(2) ■ Radio	ETSI EN 300 328 V2.2.2 (2019-07)

**IEC 62321-3-1:2013, IEC 62321-5:2013,
IEC 62321-4:2013+AMD1:2017, IEC 62321-7-1:2015,
IEC 62321-7-2:2017, IEC 62321-6:2015,
IEC 62321-8:2017**



ENERGY SISTEM TECHNOLOGY, S.A.
Mr. Miguel Ángel Aragüez García
Innovation and Technology Director
Finestrat, 1st April, 2026