

ENGLISH

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Introduction

Thank you for trusting our company and buying the new *Speaker Eco*. We hope you enjoy it.
Before you start using your *Speaker Eco* we strongly recommend reading this manual to get used to it.

Care and maintenance

- Do not expose your *Speaker Eco* to impacts, dust, humidity or high temperatures.
- Use neither corrosive nor abrasive cleaning products.
- Turn off your *Speaker Eco* when you are not using it. Do not let it completely discharged for a long time.
- Do not disassemble the device. All repair works should be carried out exclusively by qualified staff of Energy Sistem Technology, S.A.

Features

General features

- Wood body for improved sound performance and a deeper, sharper sound.
- Touch control panel to control music playback easily.
- Listen to your music wirelessly thanks to Bluetooth 5.0 connectivity.
- True Wireless Stereo technology to pair two speakers and listen to music with twice as much power.
- The speaker features a membrane for an enhanced bass response, thus delivering balanced and high-quality sound.
- Enjoy your FM radio stations and save up to 50 presets.
- Play MP3 files from 128 GB USB sticks.
- Make the most of this portable speaker thanks to the rechargeable battery, which provides up to 8 hours of battery life.

Technical specifications

AUDIO

- 2.0 system
- Power: 6 W
- 2 full range speakers with a diameter of 40 mm
- 1 passive radiator at the front
- Frequency response: 80 Hz ~ 18 kHz
- Signal/Noise ratio: > 80 dB

WIRELESS CONNECTIVITY

- Bluetooth 5.0, class II
- Compatible profiles: HSP / HFP / A2DP / AVRCP
- Up to 20 m distance range
- TWS technology (True Wireless Stereo)
- Voice assistant compatible with Google/Siri

TWS TECHNOLOGY COMPATIBLE WITH

- Speaker Eco Beech Wood
- Music Box 2
- Music Box 2+

HANDS-FREE MICROPHONE

- Sensitivity: -42 dB ± 3 dB

AUDIO INPUT

- 3.5 mm mini jack stereo audio-in (AUX)

FM RADIO

- Frequency band: 87.5 ~ 108 MHz
- Automatic tuning

USB PLAYER

- USB MP3 decoder: reads MP3 and WAV files stored on external units (up to 128 GB) with FAT / FAT32 file system.

BATTERY

- Capacity: 800 mAh
- Type: lithium polymer
- Battery life at medium volume: 8 hours*
- Charging system: USB type-C

- Charging time: 2 hours

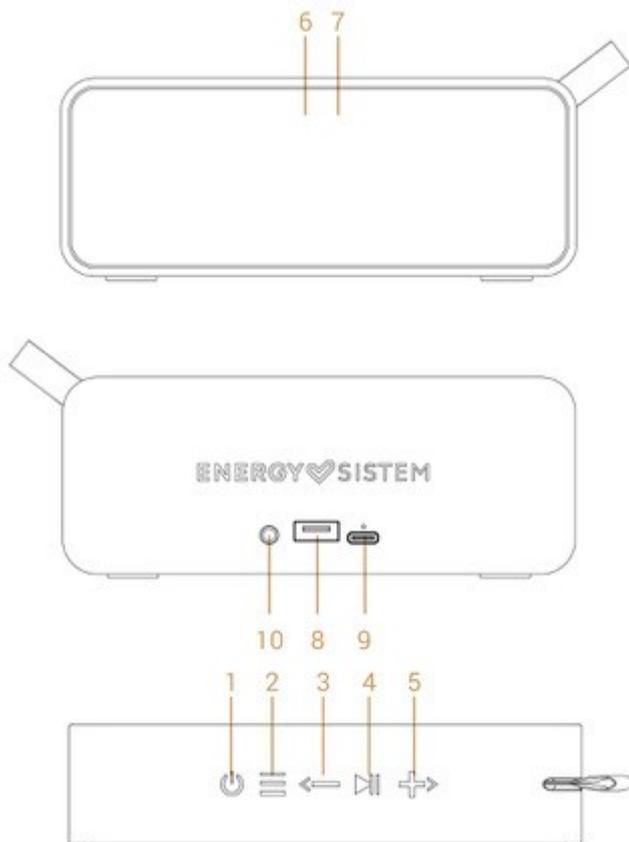
*This value is approximate. The battery life depends on the selected volume and the type of music.

Product content

- Speaker Eco Beech Wood
- USB type-C charging cable

General overview

1. On/Off
2. Playback mode
3. Back/Volume -
4. Play/Pause/Calls/TWS
5. Next/Volume +
6. LED indicator
7. Microphone
8. USB playback port
9. USB type-C charging port
10. 3.5 mm mini jack input



Switching on and off the device

Press and hold *On/Off* (1) for 2 seconds to switch on your *Speaker Eco*. At this point the *LED indicator* (6) lights up. You

will also hear a confirmation sound.

Press and hold *On/Off (1)* for 2 seconds to switch off the device. You will hear a confirmation sound when the device turns off.

Playback modes

To select the preferred playback mode, press *Playback mode (2)* until you find the mode you want. The modes available are: Bluetooth, USB, audio-in (AUX) and FM radio mode.

Press *Play/Pause/Calls/TWS (4)* to control playback functions such as start, pause or resume playback.

Press *Back/Volume - (3)* and *Next/Volume + (5)* to adjust the volume according to your preferences. You will hear a warning sound when reaching the maximum volume.

To switch between tracks, press and hold *Back/Volume - (3)* and *Next/Volume + (5)* for two seconds until you find the song you are searching for.

Bluetooth (BT)

Press *Playback mode (2)* until you find Bluetooth mode. Once selected, you will hear a sound. The *LED indicator (6)* flashes blue. This means your speaker is ready to be paired with another device. Enable Bluetooth on your smartphone or tablet and select *Speaker Eco* from the list of available devices. The devices will be connected automatically, without codes. Once the devices are paired, you will hear a confirmation sound. The *LED indicator (6)* glows blue.

At this point you can start music playback on your smartphone or tablet. The Bluetooth connection range is up to 20 metres.

To control playback from the speaker, use *Play/Pause/Calls/TWS (4)*, *Back/Volume - (3)* and *Next/Volume + (5)*.

You may also use the voice assistant. To do so, press *On/Off (1)*. Ask questions or give voice commands using the built-in *Microphone (7)*.

You will be able to answer incoming calls as well. When receiving a call, the song you are listening to stops and the ringing tone sounds instead. Press *Play/Pause/Calls/TWS (4)* to answer the call. Press it once again to hang up. The song will resume automatically.

Keep a distance of 30-50 cm from the speaker for a proper voice reception. The *Microphone (7)* is located at the front of the speaker, next to the *LED indicator (6)*.

Your *Speaker Eco* will be automatically paired when you turn it on once again, provided that Bluetooth is enabled on your smartphone or tablet.

Press and hold *Play/Pause/Calls/TWS (4)* for 2 seconds to disconnect the current device and pair the speaker with a new one.

True Wireless Stereo (TWS)

This technology makes it possible to wirelessly pair a second *Eco Speaker* and listen to music with twice as much power. This way, you will create a stereo sound system with separate left and right channels.

Switch on both speakers and enable Bluetooth on both of them. Pair your smartphone or tablet with one of the speakers. Press and hold *Play/Pause/Calls/TWS (4)* on the other speaker until both units are connected. You will hear a confirmation sound. Start enjoying your music with TWS technology.

To end the TWS connection, press and hold *Play/Pause/Calls/TWS (4)* until both units disconnect from each other.

Voice assistant control

With your *Speaker Eco* you can use the voice assistant of your Smartphone or PC. To do this, press the *On / Off (1)* once, you will hear the activation sound and you can give the order.

FM radio

Enable FM Radio mode. When the *LED indicator (6)* lights up green, the device will be ready to start searching for FM stations. To do so, press and hold *Playback mode (2)* for two seconds. The *LED indicator (6)* flashes green when searching and saving the stations. The process may take a few minutes.

Once the search has been completed, press and hold *Back/Volume - (3)* or **Next/Volume + (5)* to select the radio station you want to hear from all saved radio stations.

To adjust the volume, press *Back/Volume - (3)* or **Next/Volume + (5)*.

Press *Play/Pause/Calls/TWS (4)* to mute or unmute the sound.

If you place the speaker somewhere else, we strongly recommend carrying out a new search to obtain a proper radio wave reception.

USB player

Play .mp3 and/or .wav files stored on your USB sticks (up to 128 GB).

Plug the USB stick into the *USB playback port (8)*. Your *Speaker Eco* will read and play the files stored on the USB stick automatically.

Press *Play/Pause/Calls/TWS (4)* to control playback functions such as start, pause or resume playback.

Press *Back/Volume - (3)* and *Next/Volume + (5)* to adjust the volume according to your preferences. You will hear a warning sound when reaching the maximum volume.

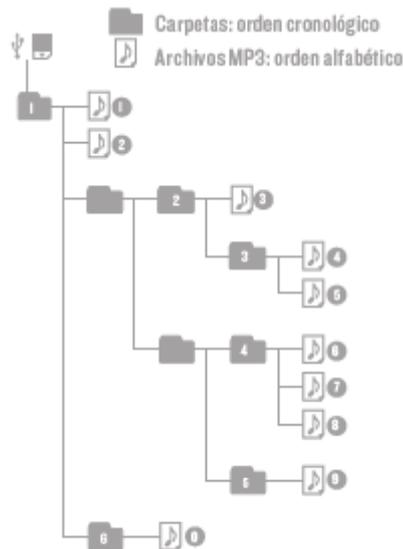
To switch between tracks, press and hold *Back/Volume - (3)* and *Next/Volume + (5)* for two seconds until you find the song you are searching for.

Press and hold *Play/Pause/Calls/TWS (4)* for 2 seconds to enable shuffle mode and break the monotony. You will hear ?random on/off? when enabling/disabling this mode.

To select a different folder, press and hold *Playback mode (2)* for two seconds.

The root folders and files of the storage unit will be read in chronological order and the songs stored on the folders in alphabetical order.

Here you have a diagram of the reading order:



If you turn off the speaker, the internal memory will save the moment when you paused playback. Playback will resume and the last song you listened to will be played when you switch on the speaker once again.

Auxiliary audio input (AUX)

Plug an external device into the *3.5 mm mini jack input (10)* on the rear side of the speaker using an audio cable with 3.5 mm mini jack connector to enjoy music on your *Speaker Eco*. Your *Speaker Eco* enables Audio-in mode automatically when plugging the audio cable.

NOTE: It is not possible to control music playback from the speaker while using this mode. To control playback functions, you will have to use the connected music player.

Call control

Once the speaker and your smartphone are paired, you will be able to answer incoming calls from the speaker itself.

When receiving a call, the song you are listening to stops and the ringing tone sounds instead. Press *Play/Pause/Calls/TWS (4)* to answer the call. Press it once again to hang up. The song will resume automatically.

Keep a distance of 30-50 cm from the speaker for a proper voice reception. The *Microphone (7)* is located at the front of the speaker, next to the *LED indicator (6)*.

Voice assistant

Once your *Speaker Eco* and smartphone are paired via Bluetooth, you can use the voice assistant. To do so, press *On/Off (1)* and ask questions or give voice commands.

Keep a distance of 30-50 cm from the speaker for a proper voice reception. The *Microphone (7)* is located at the front of the speaker, next to the *LED indicator (6)*.

Charging the battery

When the battery level is low, you will hear a sound, reminding you to charge it. To charge the battery, plug the USB type-C end of the provided cable into the *USB type-C charging port (9)* of your *Speaker Eco* and the other USB end into any device with a USB charging port (PC, USB wall charger, car charger, etc.). The *LED indicator (6)* lights up red and

switches off once the charging process is complete. The charging time is approximately 2 hours.

Important:

- Use a 5 V 1 A or 5 V 2 A power adapter.
- Do not leave your *Speaker Eco* completely discharged for a long time.

Resetting the device

You can reset your *Speaker Eco* by pressing the reset button inside the 3.5 mm mini jack input (10) with a toothpick.

Note: Avoid using metallic objects when performing the reset.

Warranty

You can check the warranty terms here:

<https://www.energysystem.com/terms-warranty>

Declaration of conformity

Issuer's name: Energy System Technology, S.A. - CIF: A53107488

Address: C/ Calpe, 1 - 03509 Finestrat, Alicante (Spain)

Tel: +34 966 830 324

We declare under our sole and exclusive responsibility that the product:

Description: Bluetooth speaker

Brand: Energy System

Model: Speaker Eco

Manufacturer: Energy System Technology, S.A.

Manufacturing country: China

referred to in this declaration complies with the essential norms and standards

EN 62479:2010

EN 62368-1:2014+A11:2017

ETSI EN 301 489-1 V2.2.3

ETSI EN 301 489-17 V3.2.2

EN 300 328 V2.2.2

in conformity with the provisions of the Directive 2014/53/EU of the European Parliament and of the Council of 16th April 2014.

Finestrat, 1st July 2020



Miguel Ángel Aragüez García
Innovation and Technology Director

