



290100

Sona

Interactive dance and play arch

November 2024

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Download Installation Manual

Visit the website:
<http://www.info.lappset.com>



What is Lappset Sona?

Interactive dance and play arch

The Sona is designed for an inclusive and positive gaming experience for a wide audience. It allows everyone to play together, responding to movement underneath it and offering a variety of games at the press of a button. Through an online platform, owners can download different games, including cognitive challenges and fitness activities. Its durable steel frame ensures it can be used outdoors for years. The Sona is suitable for communities, public parks, and elderly care homes, supporting interactive play for 10 or more players of all ages.

- Motion Detection: Interactive play responding to movement.
- User-Friendly: Simple button press starts the game with instructions.
- Inclusive Design: Barrier-free, suitable for all ages.
- Unstructured Play: Flexible rules encourage social interaction.
- Educational: Games promote learning, like solving math problems.
- Adaptable Pace: Adjustable game speed for all skill levels.
- Soundscape: Optimized sound design minimizes noise pollution.
- Landmark: Iconic design, a central gathering point in parks.



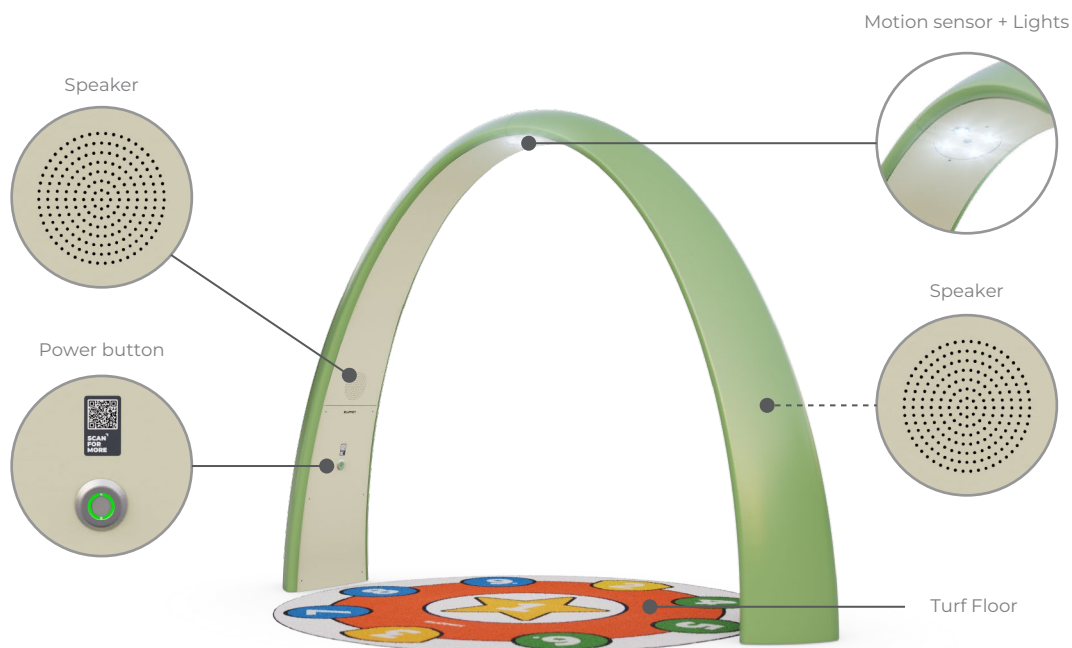
Lappset Sona
290100



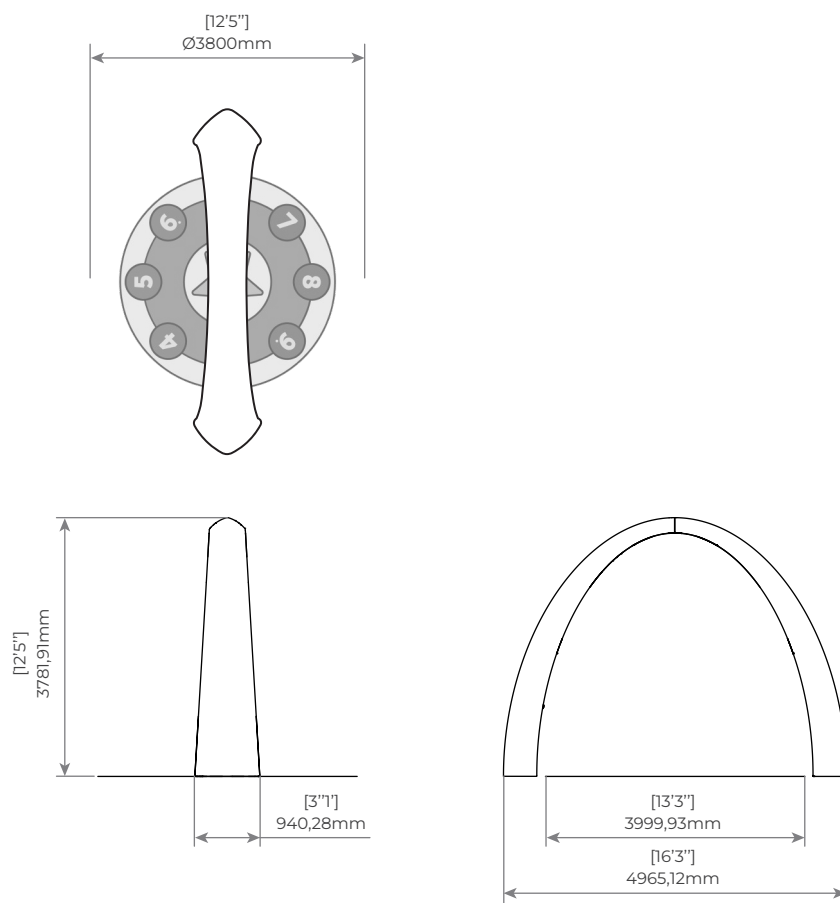
Lappset Sona floor
290120

General specifications

Components



General dimensions



Alternative configurations

Custom colours



Blue *available in all RAL colours 290140



Rainbow 290141



With accesories 290142

Colour options

- Polyester caps - available in all RAL colours
- Striped variant (rainbow or any RAL colour)
- Metal - available in all RAL colours

Lappset Dashboard

 Platform
for owners

Control your devices online

You can manage your own device(s).

Go to <http://www.dashboard.lappset.com> and click 'login'.

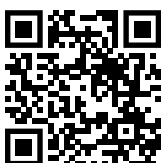
Log in with your user name and password, which is sent after signing the service agreement.

SCAN THE QR CODE

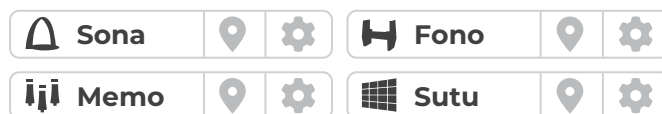
Manage your settings online

Or visit the website:

<http://dashboard.lappset.com>



UNIFIED PRODUCT CONTROL



WHAT CAN YOU DO?

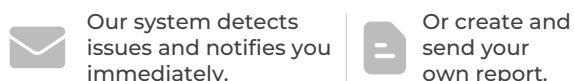
Control



Review statistics



Submit issue report



More information and features can be found on the landing page of <http://www.dashboard.lappset.com>

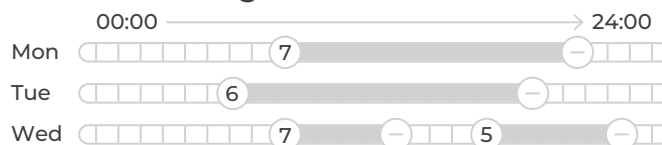
TIME / VOLUME

Set daily schedule

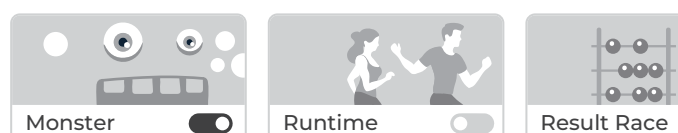
Volume  7

Mon **From** 08:00  **To** 22:00 

Advanced settings



INSTALL AND ACTIVATE GAMES



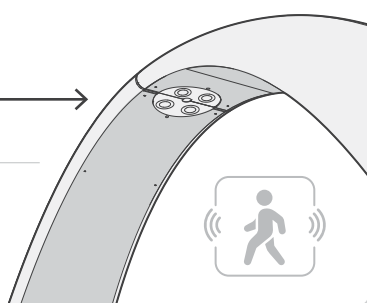
First steps + Lappset Connect

First steps

1 SET IT UP

Once Sona is powered
Motion sensor
will detect you.

Sample audio
"Hey, let's play!"



2 START A GAME

Press the button.

Sample audio
"Code breaker,
remember the number
and break the code."



3 CHANGE THE GAME

Once the game has
started, press again.


 **within 10s**
Next game

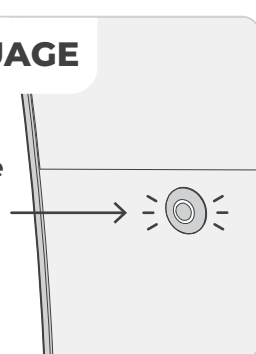
 **after 10s**
Restart game



4 CHANGE THE LANGUAGE

Hold the button for more
than 3 seconds.

 **hold +3s**
Next language



Lappset Connect



Enable interactives users to browse all available games,
choose their favorites, and share their scores with friends

SCAN THE QR CODE

And control how you play

Or visit the website:

<https://connect.lappset.com>



UNLOCK NEW GAMEPLAY OPTIONS



Find the nearest device
and dive into gameplay instantly

Discover all games
with our updated suggestions



Claim your score
and share it with your friends

DISCOVER ALL GAMES

Stand close to the interactive playset and open the app
by scanning the QR code.



Sona



Luna



Memo



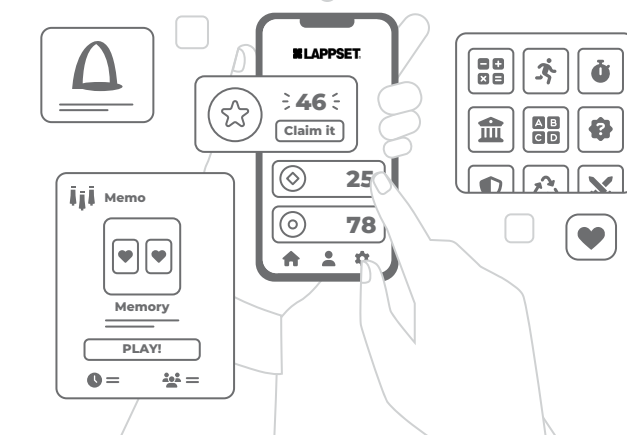
Fono



Sutu



Toro



After a period of inactivity, the Sona enters standby mode. When it detects someone under the arch, it may prompt interaction. Pressing the button starts a new game, and pressing again cycles through available games. The standby mode time can be set in the Lappset Dashboard.

Sound

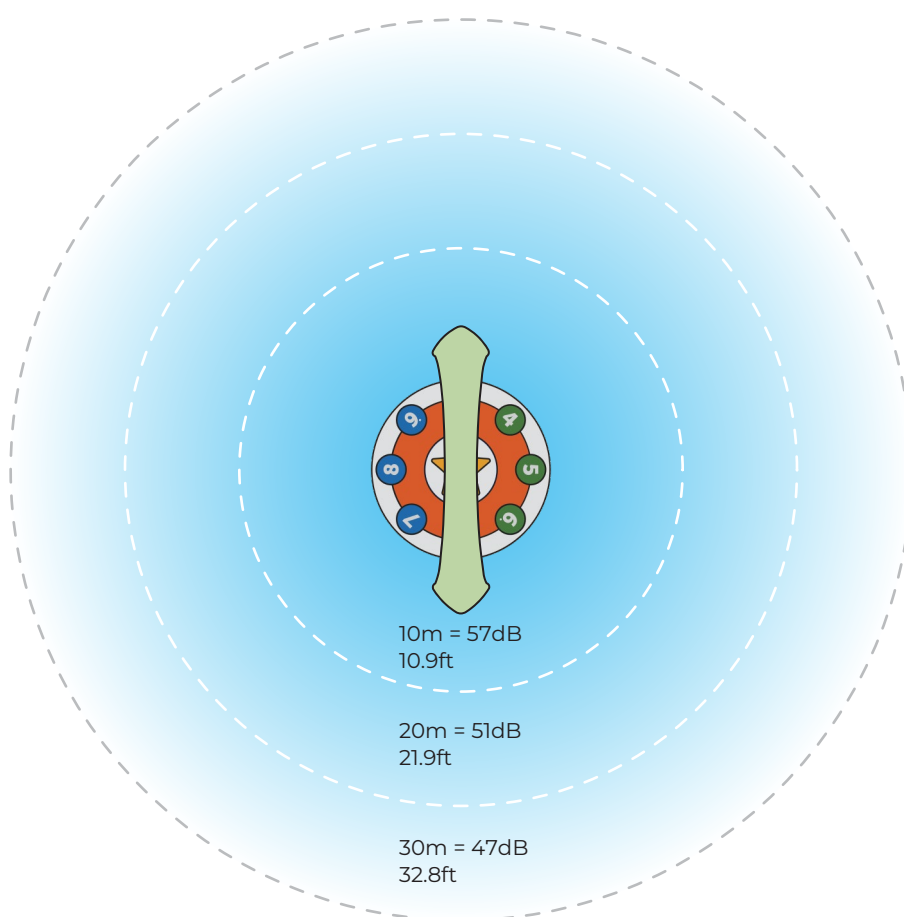
Sound distribution

The Sona operates using sound. You can control its sound level and on/off times online at <http://www.dashboard.lappset.com>. To avoid causing sound disturbances, we recommend setting the volume so that it is not audible at the nearest residence.

As a general guideline, the Sona should not be placed within 50 meters (164 feet) of the nearest residence. To minimize sound travel, the Sona is equipped with low speakers that are directed towards each other.

Keep in mind that background noise at locations such as schoolyards or areas near streets often exceeds 55dB, which is louder than the Sona at a distance.

The Sona's minimum sound level is approximately 60dB (similar to a normal conversation), and its maximum sound level is around 90dB (comparable to a high-volume stereo).



Indication of the Sona sound levels, when Sona main volume is 71dB

Lights

The Sona now comes equipped with an integrated light set consisting of 4x 7W LED spots with an optical sensor.

Key advantages of the light set:

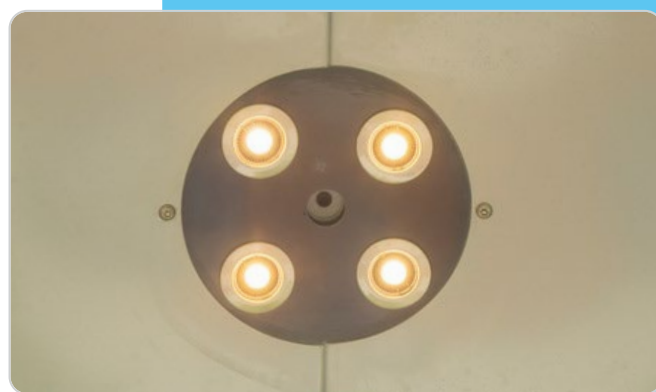
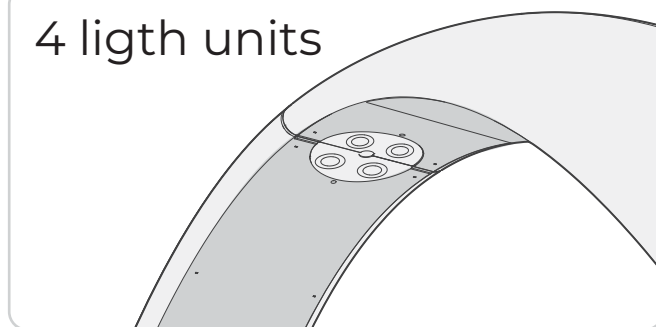
- Enables playing Sona in the dark
- Provides beautiful lighting for the Arch
- Acts as a deterrent against vandalism

Switching ON and OFF

These are the four options for the light set:

- Always OFF
- Always ON
- ON when it is dark enough
- ON when it is dark enough and the Sona is not in sleep mode. OFF when the Sona is off.

4 light units



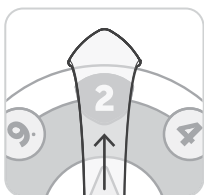
Manual settings

Offline mode.

It is also possible to set time, volume and games manually on location.

We recommend changing settings on <http://www.dashboard.lappset.com>, but in some situations (e.g. no internet connection) the manual settings mode is the way to work. Start with step 1 and follow instructions.

1. ACCESS MANUAL SETTINGS



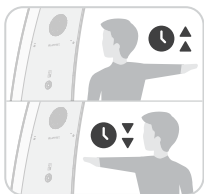
1. Disconnect power
2. Connect power
3. Hold button during start up until you hear "Sona settings"
4. Release the button and **stand on number 2** spot in front of button

2. VOLUME SETTINGS



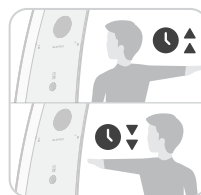
1. You hear "Volume settings"
2. Move your hand to the **left** to **decrease** the volume
3. Move your hand to the **right** to **increase** the volume
4. Press button for next menu setting

3. AWAKE TIME



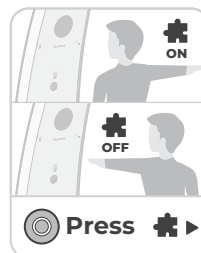
1. You hear "Awake time is..."
2. Move your hand to the **left** to **decrease** the time
3. Move your hand to the **right** to **increase** the time
4. Press button for next menu setting

4. SLEEP TIME



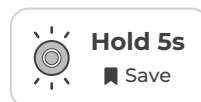
1. You hear "Sleep time is..."
2. Move your hand to the **left** to **decrease** the time
3. Move your hand to the **right** to **increase** the time
4. Press button for next menu setting

5. GAMES ON/OFF



1. You hear a game explanation followed by "it's on" or "it's off"
2. Move your hand to the **left** to switch **game off**
3. Move your hand to the **right** to switch **game on**
4. Press button for next game
5. After last game back to volume set.

6. EXIT MANUAL SETTINGS



1. Press button **5 seconds** to **save** settings and exit menu
2. **Start playing!**



Compliance information

USA

Regulatory Information USA

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Permitted Antenna

This radio transmitter has been approved by the FCC to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Interface and frequency rate:

4G cellular in band II and IV

Type:

- MCS 108181 / 108182 - AEB260 GSM Dipole Patch Antenna.
- Siretta Tango 27 IP67 Rated Quad Band GSM/GPRS and 3G Puck Antenna

Max gain:

- 2 dBi
- 2,16 dBi

Class B device notice

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device,

pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection

against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged

to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

RF exposure safety

This device complies with FCC RF exposure limits and has been evaluated in compliance with mobile exposure conditions.

The antenna must be installed and operated with minimum distance of 20 cm between the radiator and your body.

Compliance information

Canada

Regulatory Information Canada

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with ISED license-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Permitted Antenna

This radio transmitter has been approved by the FCC to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Interface and frequency rate:

4G cellular in band II and IV

Type:

- MCS 108181 / 108182 - AEB260 GSM Dipole Patch Antenna.
- Siretta Tango 27 IP67 Rated Quad Band GSM/GPRS and 3G Puck Antenna

Max gain:

- 2 dBi
- 2,16 dBi

RF exposure safety

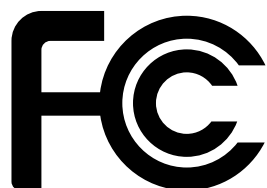
This device complies with ISED RF exposure limits and has been evaluated in compliance with mobile exposure conditions.

CAN ICES-003 (B)

This Class B digital apparatus complies with Canadian ICES-003

Compliance information

47 CFR § 2.1077 Compliance Information. Supplier's Declaration of Conformity



FCC ID: 2ARQX-YALP
IC: 24514-YALP

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

We, **Lappset Interactive**, hereby declare that the equipment bearing the model name specified below was tested conforming to the applicable FCC Rules under the most accurate measurement standards possible, and that all the necessary steps have been taken and are in force to assure that production units of the same equipment will continue to comply with the Commissions requirements.

Unique Identifier: SUTU, TORO, MEMO, FONO LUNA AND SOLAR

Responsible Party – U.S. Contact Information:

Lappset Inc.
401 Congress Ave
Suite 1540
Austin TX 78701 US
(512) 852-3050

In case of problems with your Lappset interactive product, please go to

<https://dashboard.lappset.com>

Login and make create a 'new ticket' under 'product care'.

Or contact our service department:

+31 (0)547 289 410

Monday - Friday

08:15 -17:00 CET

support@lappset.nl

Warranty

To check applicable warranty documents, see <https://www.dashboard.lappset.com>

And click on downloads at the bottom of the page.

RECOMMENDATIONS



Adjust the volume to avoid disturbing nearby residences, but not too low to affect gameplay, especially for games like dancing. Consider changing noise levels throughout the day and ensuring the volume remains audible, or use advanced time and audio settings for better control.



Regular cleaning is essential to maintain optimal performance and uphold the product warranty.

WARNING



Do not attempt to repair a defect without Lappset's authorization.

Only use Lappset original parts to maintain safety and certification.



Technical information

General information.

Installed Sona (L x W x H)	4.965x3.800x3.782 m	195.5x149.6x148.9"
Net weight Sona	590 kg	1300 lbs
Sona Turf Floor	Ø3800mm	Ø149.6"
Transport Pallet dimensions (L x W x H) Weight (total package)	4.90x1.20x2.35 m 875 kg	193x48x93" 1929 lbs
Electronics Input Output	100-240 V ~. 50/ 60 Hz. 150W max 12 V DC	
Internet connection	4G modem with data SIM card	
Energy use In use (average) In use with lights on (average) In idle mode (standby) In sleep mode	3,4W 23 W 3,2 W 3,2 W	
Operating temperature* (*please keep power on at all times for the integrated active climate control to work)	-20 to +40 °C (-4 to +104 °F). NB. Some electronics may switch off earlier within this range automatically to prevent damage.	
Operating altitude	>2000m	>6562 ft
Protection class	IP54	



Movement for every heartbeat

+31 (0)547 289 410

support@lappset.nl

www.lappset.com

Lappset Interactive

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