

USER MANUAL

ARETHA & FRANKLIN

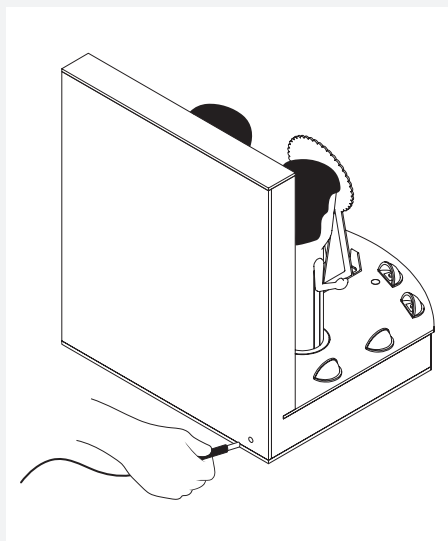


Make your smartphone the lead singer!

Aretha and Franklin are going to be your choristers for this spectacular soul concert.

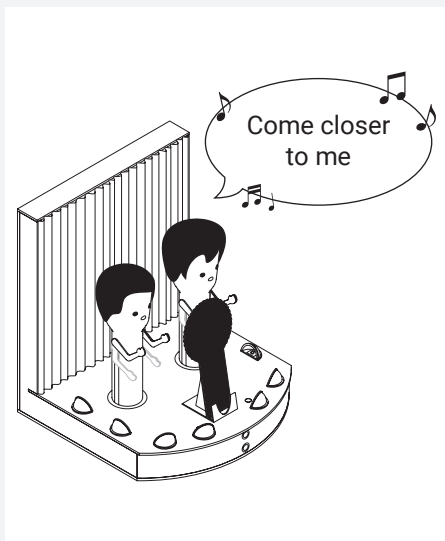
Follow the instructions inside this user manual to discover how to use the robot and how to maintain it.

HOW TO USE

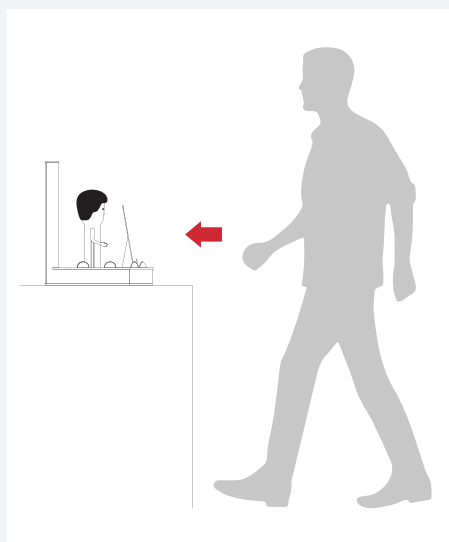


To turn on the robot plug the power supply to the back of the robot and to a socket.

When you turn it on, the robot will play an applause to cheer you.



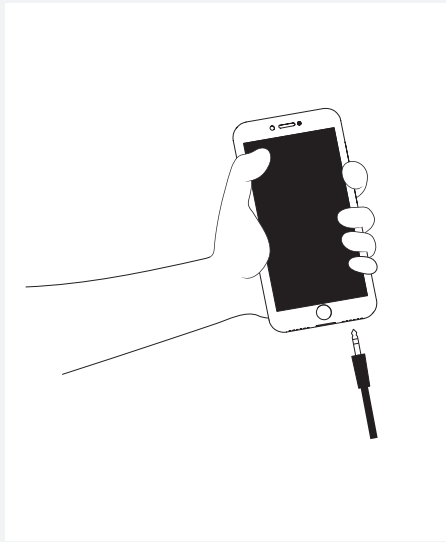
To attract the attention of people passing by, the singers will play "Come closer to me" or "Come on, come on".



As you pass in front of the robot, it recognizes the distance between itself and you, so get closer to make it dance.



When you arrive within 50 cm from the robot, it will play "let the music play" or "let's get it on" and move the body asking you to interact with it.



To play the music, just plug your phone to the headphones cable in the stage and position it on the phone holder at the main singer place.



To make the robot dance, choose your favourite soul song and make the music play.

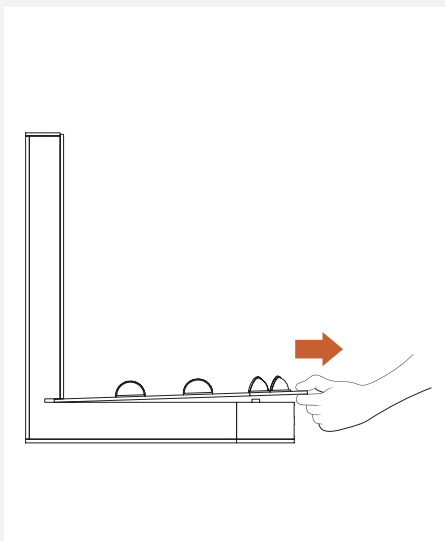


Once the music starts, the singers will start dancing to the beat moving their bodies and arms: watch them dance and tag along!

HOW TO MAINTAIN

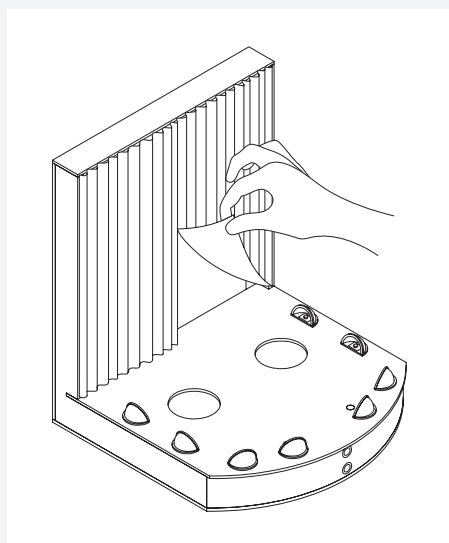


To access the electronics, lift the bodies of both singers detaching the motor cable.



Raise the front of the stage and make it slide towards you.

Remember to detach the LED strip under the stage before taking it out completely.



To access the speakers, open the curtains.

⚠ WARNINGS

Follow the instructions carefully.

Contains small parts that can be swallowed or inhaled.

Pay attention to the structure of the robot.

TECHNICAL FEATURES

- Powered by Arduino Mega2560 Rev3 board.
- 4 servo motors: 2 for the arms (SG90 model) and 2 for the body (MG996R model).
- 12 V with 5 A power supply.
- Proximity sensor HC-SR04.
- Adafruit AudioFX soundboard without amplifier.



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Records

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