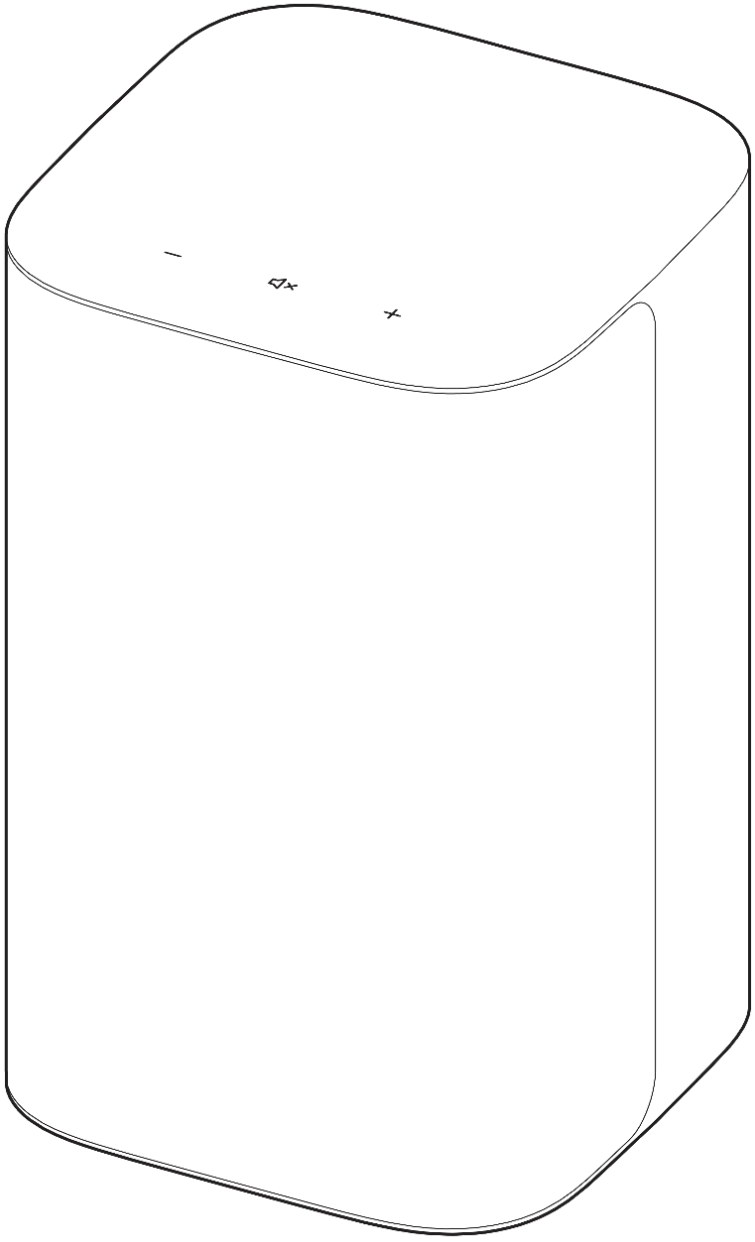
Install Guide

NS151 4” Wireless Network Speaker



Document

Document Details

Version

V1.2 (20261012)
(V1.0 published 20260916*)*

Firmware

Firmware version can be verified on Verkada Command command.verkada.com.

Product Models

This install guide pertains to models:

- NS151-W-HW

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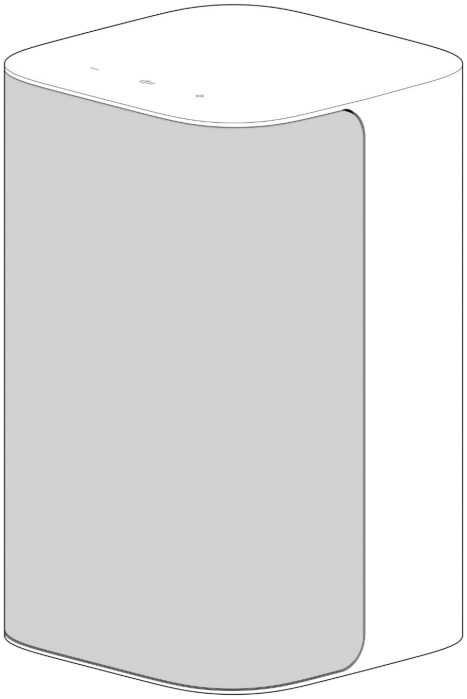
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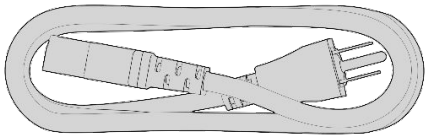
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What's in the Box



4" Wireless Indoor Speaker



AC Power Cable

What you'll need

- A smartphone or laptop
- An unbooted Cat5e or Cat6 Ethernet cable with a 0.2-0.25 inch diameter (5-6.5mm)

Placement

Place the speaker on a desk or a bookshelf.

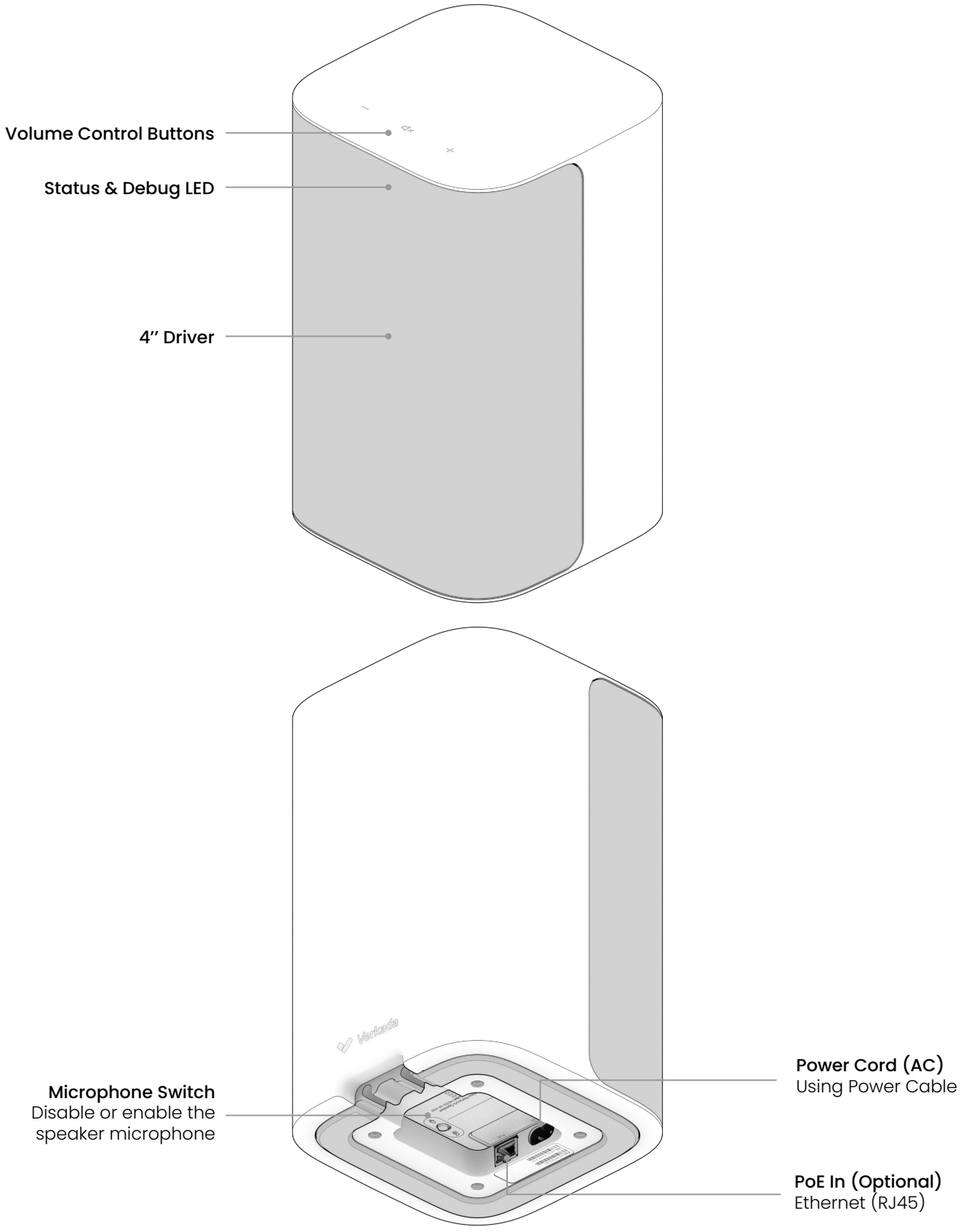
The ACC-NS-MNT-SURF-W-1 can be used to surface mount the speaker or can be used in conjunction with the ACC-NS-MNT-ANGLE-W-1 to wall mount it at an angle.

Connect

For easy registration and setup, scan the QR code on the product.

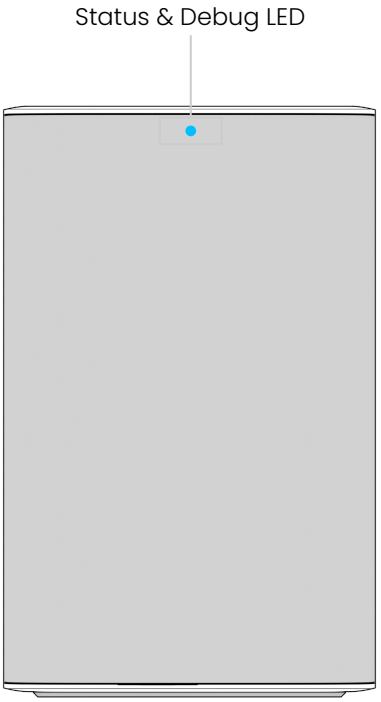
If you prefer to manually register your product, please proceed to: verkada.com/start

Overview


Volume Control Buttons
Status & Debug LED
4'' Driver
Microphone Switch
Disable or enable the speaker microphone
Power Cord (AC)
Using Power Cable
PoE In (Optional)
Ethernet (RJ45)

LED Behavior

General operation



Solid Blue **LED off**
Speaker is running, connected, and ready to play.
After 60 seconds of normal operation, the LED will turn off.

Flashing Blue
Speaker is running, and ready to connect to Wifi through the Command mobile app.

Solid Orange
Speaker is on and booting up.

Flashing Orange
Speaker is updating firmware.

Flashing Red
Specific error, see "Network errors" below.

Solid Red
Contact support.

Network errors

An error will be communicated through the Status LED, which will flash a specific number of times depending on the error state.



Example of **5 Red** flashes on the Status LED

LAN errors

1 Red - No IP Address
Speaker has not received an IP address.

2 Red - Duplicate IP
Speaker has detected duplicate IP addresses on the LAN.

3 Red - No Gateway
Speaker is not able reach the configured Gateway.

4 Red - No Switch
Speaker is connected with PoE, but unable to connect to the Switch.

WAN errors

5 Red - DNS error
Speaker is not able to resolve Verkada hostnames.

6 Red - NTP Error
Speaker is not able to receive a response from the NTP Server.

7 Red - Not Connected to Command
Verkada endpoints are not reachable after boot up.

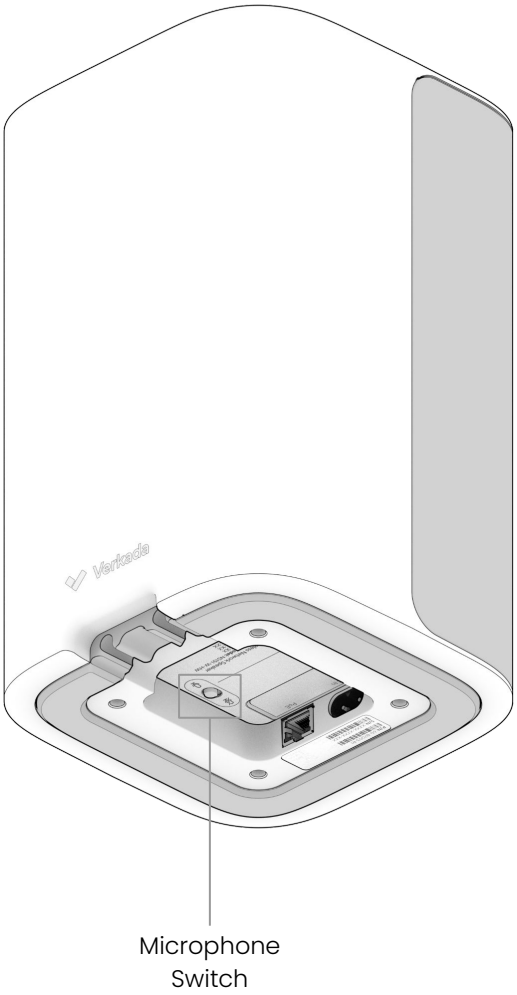
Microphone Switch

The microphone switch physically disconnects the unit's microphone, guaranteeing that no audio is recorded.

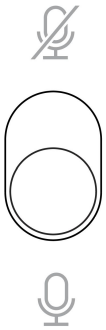
Speaker Microphone is enabled by default.

To disable the microphone, move the switch into the off (red) position.

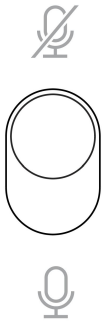
Alternatively, the microphone can be disabled in device settings on Command.



Microphone Enabled



Microphone Disabled

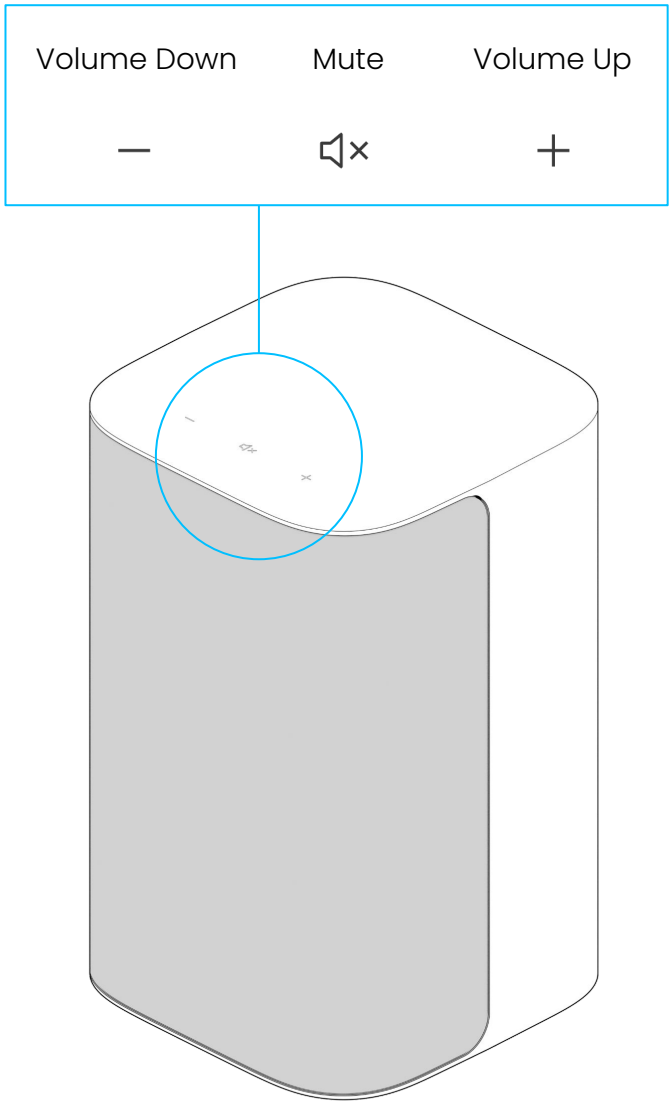


Volume Control Touch Buttons

Once configured, the NS151 allows a user to modify the speaker volume directly through the device using the three volume control buttons.

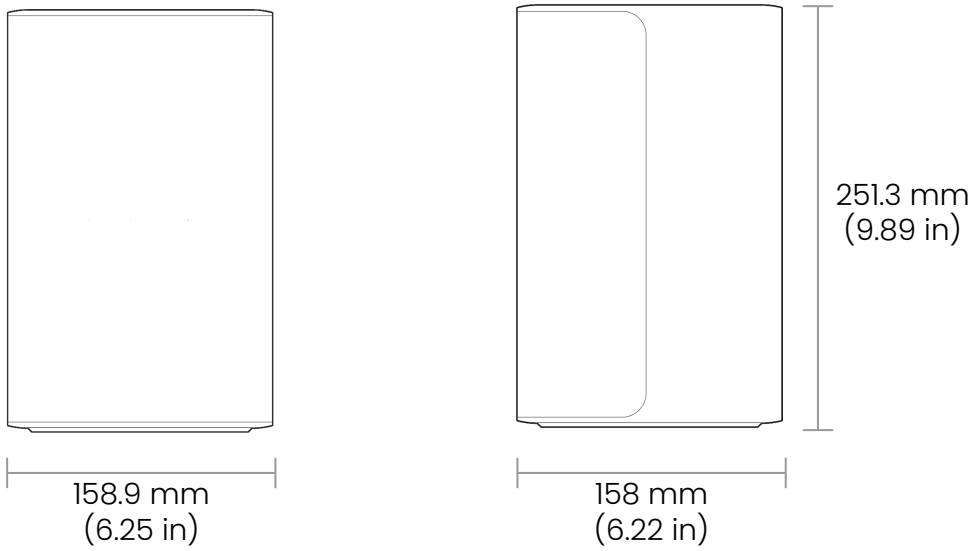
Alternatively, the volume can be modified in device settings on Command.

Volume Control buttons can be disabled in Command.



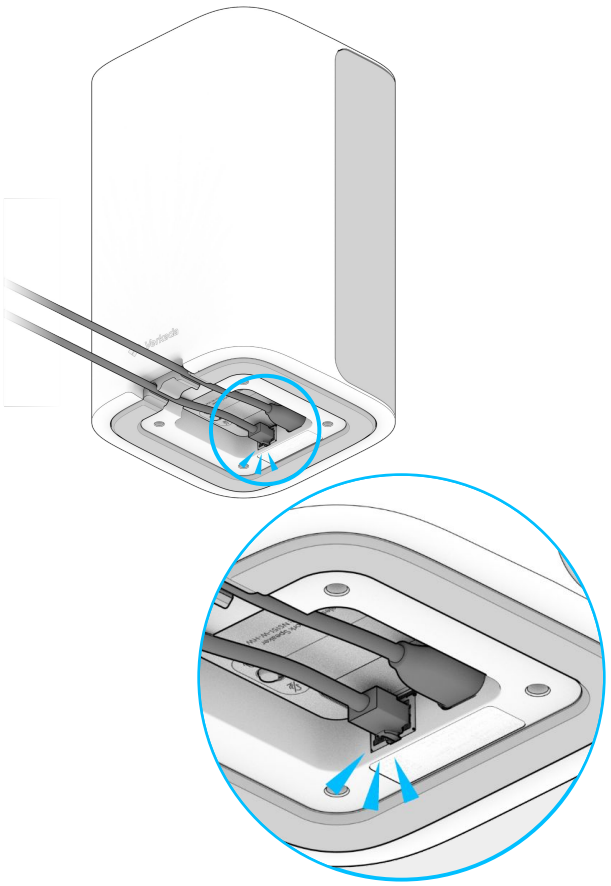
Technical Specifications

Frequency Range	110 - 20,000 Hz +/- 3 dB
Drivers	4" (10.16 cm) woofer, 1" (2.5 cm) tweeter
SPL	PoE+: 91dB SPL continuous / 95+dB SPL peak at 1m / 3.3ft PoE: 87dB SPL continuous / 92+dB SPL peak at 1m / 3.3ft
Dispersion Angle	Horizontal coverage angle 146˚ @ 1m (-6 dB) 500 Hz - 8 kHz Vertical coverage angle 160° @ 1m (-6 dB) 500 Hz - 8 kHz
Power Consumption	25W maximum, 5W idle (no audio playing)
Input Power	AC: 100-240V ~, 0.51 - 0.21A 50/60Hz IEEE 802.3af/at/bt PoE, PoE+: 42-57V ⎓, 0.61-0.45A, 960mA maximum per pair
Audio Input	2x omnidirectional digital MEMs microphones
Connectivity	Ethernet: 100/1000Mbps RJ45 for network connection. Wifi 802.11 a/b/g/n/ac Bluetooth 5.2
Dimensions	158mm x 158.9mm x 251.3mm
Weight	2.7kg
Operating Temp. & Humidity	-10 - 50C 0-90% RH non-condensing
Compliance	Please refer to https://www.verkada.com/compliance/



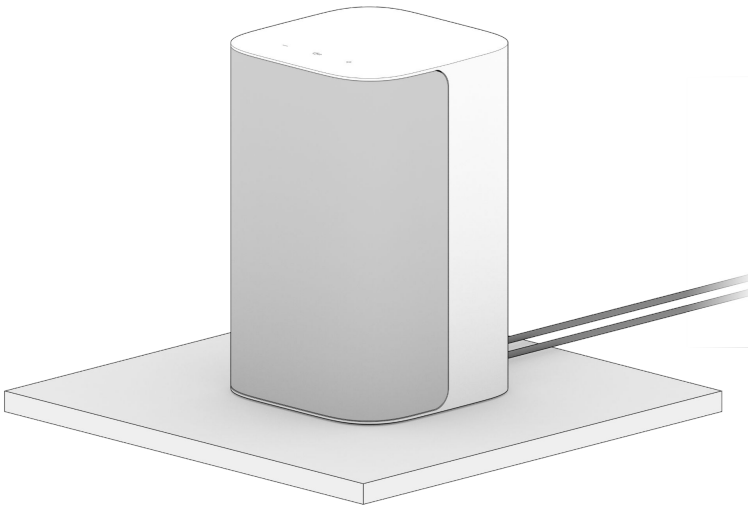
Desktop Installation

Connect the AC power cable and/or Ethernet cable, if applicable, to the speaker.



Note: The NS151 can be powered over POE or the provided AC adapter.

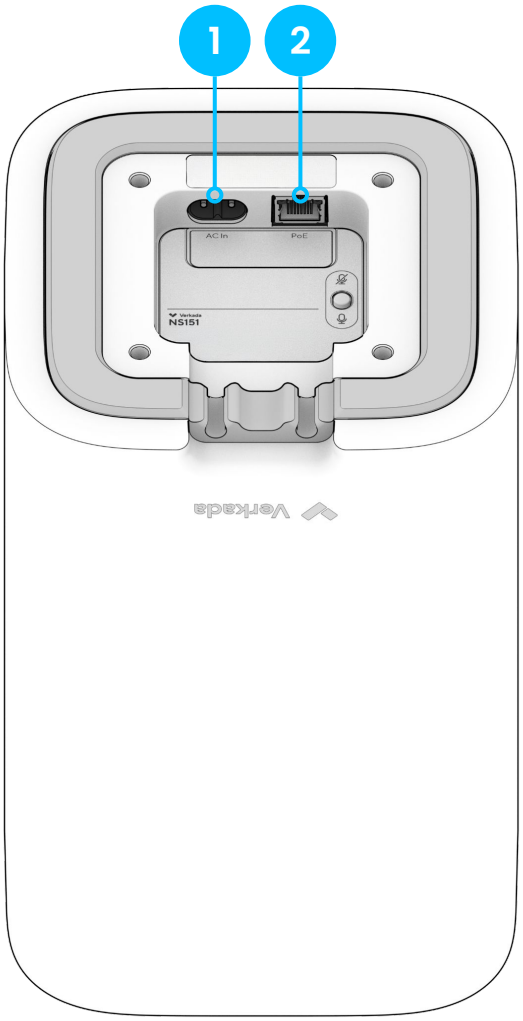
Place the speaker in its intended position.



Power Options

1. **AC Power**
   Using provided AC power cable

2. **PoE**
   Using Ethernet Cable



Appendix

NS151 Compliance

FCC Compliance	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. 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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. **FCC Caution**: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
IC Statement	This device complies with ISED's licence-exempt RSSs. 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. **Radiation Exposure Statement:** This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body. Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable. Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20cm entre le radiateur et votre corps.
Spotify	Use your phone, tablet or computer as a remote control for Spotify. Go to spotify.com/connect to learn how The Spotify Software is subject to third party licenses found here: https://www.spotify.com/connect/third-party-licenses.

Appendix

Support

Thank you for purchasing this Verkada product. If for any reason you're experiencing issues or need assistance, please contact our 24/7 Technical Support Team immediately.

Sincerely,
The Verkada Team
verkada.com/support