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# **Getting to Know Josh**

Welcome to Josh.ai, the only AI assistant that's purposefully-designed to control your living spaces. With Josh, you no longer have to memorize specific commands to trigger actions in your home. Instead, you can speak to Josh in a natural way, as if a friend were in the room with you, thanks to its advanced Natural Language Processing (NLP) capabilities.

Whether you want to "bring up the shades," "cut the lights," "play music on the first floor," or issue compound commands like "lower the shades, stop the music, set the lights to 20%, and watch Netflix" Josh understands and executes your requests with ease.

Josh microphones are also room-aware, which means that saying "lights on" or "watch skiing videos" will only happen in the room you are in, without affecting other areas. Josh's location awareness helps reduce the need to know the names for rooms and devices, making your experience more intuitive and friendly.

This user guide aims to help you get the most out of your Josh experience. It includes helpful tips and examples of frequent commands to help you get started speaking to Josh. Please note that the examples provided are just a fraction of the commands that Josh understands. We encourage you to speak to Josh naturally, using whatever phrasing feels most comfortable to you.

We are delighted to welcome you to the Josh family and look forward to providing you with a simple, private, and magical experience. Let's get started!

Josh's smart home functionality is predicated on having properly integrated products and services \*

# **Natural Language Processing Features**

# **Conversational:**

Everyone can naturally speak to Josh however they like. There's no need to memorize commands because Josh understands context around different phrasing and verbiage for home automation.

# **Compound Commands:**

There's no limit to the number of commands Josh can receive at once, which allows users to create scenes on-the-fly activating multiple rooms/devices simultaneously. For example, "Ok Josh, dim the lights on the first floor, close the blinds, turn off the fan, and listen to the Rolling Stones"

## Anaphora:

Josh remembers the last command you spoke to, which allows ambiguity in follow up commands. For example, you can say "Ok Josh, listen to Rolling in the Deep by Adele" and then follow that command with "Ok Josh, turn it up" - Josh will know the "it" in the second command is referring to the volume of your last music command. This memory for lights, shades, and music volume is also built into the touch dial on Josh Micro so you can manually adjust the percentages of these devices following a verbal command.

## Scheduled Commands:

With Josh, you can schedule any command to adjust your home's atmosphere and environment, giving you the power to have commands activated when you want. Set the perfect ambiance for any occasion with ease.

# **Optimizing Your Josh Experience**

# Chat History:

If commands are not executing as expected, the first place you should look when troubleshooting is Josh's Chat History. This resource provides a log of previous interactions and will reveal instances when your Josh system has misheard or misinterpreted spoken commands, or if there were mispronunciations of words or phrases. Your Josh Chat History will help diagnose the underlying causes that may have led to the malfunctioning of your command. To access the Chat History within the Josh App, navigate to the *Recent Activity* button located on the homepage, followed by selecting the *Commands* tab.

### Device & Room Aliases:

Reviewing the Chat History not only illustrates how your family is being heard by Josh, it also shows you how each member of the household is referring to various areas, devices, and scenes. While you may have predefined names for areas and devices, as well as trigger phrases for scenes, you'll find that adding additional options based on the Chat History's findings will help empower everyone with even more flexibility when talking to Josh.

For example, during initial setup, you may have named a light in your living room as "Living Area Floor Lamp." However, as time passes, you may notice that you and your family members tend to refer to it as the "Couch Lamp" more frequently. In such instances, it is recommended to create an alias or rename the device to "Living Area Couch Lamp," a simple update that can be made within the Josh app. Furthermore, with Josh's proximity awareness, you can then give commands like, "turn on the lamp near the couch," which will provide added flexibility and a more natural voice control experience.

# Lighting

Illuminate your home lighting experience with Josh! Easily manage all your home lighting preferences and schedules. Set the right brightness and color to create the perfect atmosphere for any occasion.

On/off:

- Turn on the living room lights
- Turn off the lights on the first floor
- Turn off the lights upstairs
- Turn on the lamp near the couch

## Brightness:

- Set the kitchen pendants to 30%
- Dim the theater lights
- Raise the art lights

Color: Supported with Ketra & Philips Hue

- Make the lights turquoise
- Set the lights to tiffany blue

## Color Temperature: Supported with Ketra

- Turn the bedroom lights to cool white
- Make the lamp warmer
- Set the lights to 3000 Kelvin

- Set the brightness to 50% [in the living room] in 5 minutes
- Raise the brightness a little in two hours
- Change the lights to blue [in the kitchen] in 30 seconds
- Turn on the lights to green in 10 minutes
- Make the lights warmer at sunset in the bedroom
- Set the lights to 3700 kelvin for two hours after sunrise
- Switch the living room lights to cool white at sunset
- Turn off my lights in 10 seconds
- Power the lights off in 5 hours
- Turn up the vibrancy of the lights in 30 minutes
- Set the bedroom vibrancy to 30% in a half hour

# Audio

Ask Josh to play any artist, album, song, or genre to create the perfect mood. Josh intelligently finds the right content via Tidal, Apple Music, Spotify, SiriusXM, iHeartRadio, TuneIn, or Pandora for streaming, no matter how specific or broad the request.

# Artist (Reference Appendix 1a):

- Play/Listen to James Taylor
- Play/Listen to music by Michael Jackson
- Play/Listen to the The Rolling Stones

Album (Reference Appendix 1a):

- Play/Listen to the album The Wall by Pink Floyd
- Play/Listen to the album Abby Road by The Beatles

# Song (Reference Appendix 1a):

- Play/Listen to the song Stayin' Alive by the Bee Gees
- Play/Listen to the song Piano Man by Billy Joel
- Play/Listen to Hey Jude by The Beatles

## Genre:

- Play/Listen to relaxing music
- Play/Listen to 90's music
- Play/Listen to Rock and Roll

## Radio:

- Play/Listen to music like Bob Dylan
- Play/Listen to The Beatles radio

• Play/Listen to music similar to The Rolling Stones

### Grouping:

- Play/Listen to Coldplay in the kitchen, living room, and bedroom
- Play/Listen to some music on the first and second floor
- Play/Listen to The Beatles everywhere
- Play/Listen to the kitchen music in the bedroom
- Play/Listen to the kitchen music in here
- Add the bedroom to the kitchen music
- Group the kitchen music with the living room

## Specific Service:

- Play/Listen to Tom Petty on Spotify
- Play/Listen to The Beatles on Apple Music
- Play/Listen to Billy Joel on Tidal
- Play/Listen to Bob Dylan on Pandora

General Music (Let Josh pick the music for you):

- Play/Listen to some music
- Play/Listen to some jams
- Play/Listen to some tunes

#### Control:

- Stop the music
- Resume the music
- Play music
- Skip this song
- Play the next song
- Play the previous song
- Pause the music
- Turn off the music everywhere

#### Volume:

- Make it louder
- Raise the volume
- Turn up the volume in the living room
- Volume up
- Lower the volume
- Make it quieter in the kitchen and bedroom
- Turn down the volume
- Volume down
- Set the volume to 20 (percent from 0-100)

#### Scheduled Commands:

- Shuffle the living room music in 5 minutes
- Pause the music in 10 seconds in the living room
- Stop the music 20 seconds after 3
- Play the next song in 2 minutes
- Play the previous song 5 minutes before 4
- Play Bad Bunny in the living room 5 minutes past 8
- Listen to jazz music in 1 hour and 10 minutes
- Resume playing my music in 2 hours after sunrise

#### Device Related:

- Lower the volume a lot at quarter to 10AM
- Set the volume to 40 at midnight
- Switch to <music input> in 85 seconds
- Turn off <music input > in the kitchen at 7PM
- Unmute the kitchen music in 23 hours

# Video

Enjoy your favorite shows and movies with just your voice! Cue up your desired content simply by asking for it. Josh turns your TV on and chooses the right streaming or cable service for a seamless entertainment experience.

## **Cable Commands**

Watch channel (name/number):

- Watch ESPN
- Turn on channel 12

Channel navigation:

- Channel up/down
- Next/previous channel
- Skip forward/backward

Channel Guide:

- Press guide
- Press up/down
- Press right/left
- Press page up/down

Generic Buttons:

- Press play/pause
- Press back
- Press exit
- Press enter/select
- Press home
- Press green/yellow/blue/red button

## **Roku Commands**

Watch content (Reference Appendix 2a & 2b):

• Watch Interstellar on Amazon Prime Video

- Watch Stranger Things
- Watch videos of epic skiing

Launch apps (turns on TV, switches input to Roku, and launches any downloaded app):

- Open ESPN
- Launch Netflix

# Control content:

- Press pause/play
- Skip forward/backward

Navigation Controls:

- Press up/down
- Press right/left

- Go to CNN at 7 in the morning
- Switch to Nat Geo at 6 o'clock
- Open Netflix in the living room 30 minutes past sunrise
- Close the Hulu app in 22 seconds
- Watch Breaking Bad on Netflix in the kitchen at 7PM
- Pause the TV in one hour
- Turn up the volume in 20 minutes
- Set the volume to 35 at 8pm

# Thermostats

Take your home comfort to the next level! Effortlessly set the ideal temperature, control your heating or cooling schedules, and adjust fan speeds with contextual voice commands.

General Temperature:

- It's too hot
- Set temperature to 85
- Lower the temperature some more
- Make the living room warmer
- Raise the temperature 2 degrees

#### Target Range:

- Set the temperature between 67 and 70
- Raise the target range by 1

### Heat/Cool Set Point:

- Have 72 as the thermostat heat point
- Lower the heat point of the Ecobee to 73
- Set the thermostat's cooling to 71 degrees

Setting Thermostat Mode:

- Turn off the kitchen thermostat
- Set the thermostat to auto
- Set the thermostat to cool
- Set the thermostat to heat

Checking Status:

- Is the temperature less than 75 degrees?
- What is the set temperature?
- How hot is it inside?
- Which room is the most humid?
- What's the cool point of the thermostat?
- Which thermostats are set to Away Mode?

#### Misc:

- How many thermostats do I have?
- Which room is the thermostat in?

- Turn off the thermostat in 5 minutes and 40 seconds
- Set the thermostat to Eco mode at noon
- Raise the heat point by 4 degrees in the living room for 7 AM tomorrow
- Set the cool point to 84 tomorrow at 6 in the morning
- Set the thermostat to 86 in 4 hours from now

# Shades

Josh makes it easy to control your exposure to daylight with the ability to differentiate your blackout curtains from your solar sheers. With a simple voice command, you can enjoy complete control of natural lighting and your privacy when desired.

Level:

- Raise the theater blackouts a little bit
- Bring down the blinds 50%
- Open the shades a bit
- Close the shades a little more

### Tilt:

- Tilt up the shades in the bedroom
- Set the shade tilt to 40%
- Tilt the shades down by 15%

Open/Close:

- Open the family room sheers
- Close the shades on the first floor
- Open the curtains

### Scheduled Commands:

- Open the shades by 10% in 40 minutes
- Close the shades a little at 10 minutes after sunrise
- Toggle the shades in 45 mins
- Tilt up the blinds at sunset

# Locks

Josh helps make sure your property is secure. Whether you're at home or on-the-go, you're in complete control.

- Lock the front door
- Close the front door
- Lock all the locks
- Secure the house
- Are there any unlocked doors?

• Is the back door locked?

- Lock the doors in 30 seconds
- Lock the back door at sunset

# JoshGPT

With Josh, you have the power to ask questions about anything you're curious about. Whether it's about technology, health, travel, or more, the possibilities are endless! Check out some of the categories below to get started, but feel free to ask about anything that comes to mind. The sky's the limit!

Art:

- Who is the most famous impressionist painter of all time?
- What is the most expensive painting ever sold?
- What museum should I go to in New York City if I want to see modern art?
- When was the Mona Lisa painted?
- What is Andy Warhol's most recognized painting of all time

Music:

- Who sings the song Mamma Mia?
- Who is the most successful classical composer of all time?
- What Rock concerts are happening near me this summer?
- When was The Beatles' last song released?
- Who's the songwriter for Cop Car by Keith Urban?

# Cooking:

- What is the best way to mince garlic?
- Give me a recipe using chicken, broccoli, and normal household spices.

- Set a 10 minute pasta timer and what temperature should I bake the chicken at?
- How many teaspoons are in a tablespoon?
- What are two of your favorite Korean dinner recipes?

Travel:

- How long is the flight from New York to Paris?
- What is the best time of year to visit Dublin?
- What is the public transportation system like in London?
- What is the local currency in Thailand and where can I exchange my money?
- Which airlines fly to Bali?

## History:

- Who were the founding fathers of the United States?
- When was the Mesopotamian era and what regions did it cover?
- Who were the major rulers and empires of ancient Rome?

- What was the origin and spread of Christianity?
- What was the impact of the Industrial Revolution on society?

## Entertainment:

- Who has the most Oscar wins in the past 10 years?
- Who are the judges of America's Got Talent?
- Can you recommend some good TV shows or movies to watch on Hulu?
- What are some movies directed by Christopher Nolan?

# Trivia:

- In what year did the first iPhone come out?
- What is the smallest continent?
- What is the largest planet in our solar system?
- When was the last Ice Age?
- Where is the world's tallest tree and how tall is it?

### Locale:

- What are some popular restaurants in San Francisco?
- What are the best shopping malls in Denver?
- Where is the best pizza in New York City?
- What are the best hiking trails in Los Angeles?
- Where is the nearest subway station?

# **General Assistant Commands**

In addition to smart home control, Josh offers various assistance features to help make your everyday life easier. Ask Josh about the current weather conditions and stock prices to stay up-to-date. Josh can also help with a quick math calculation or spelling check.

Weather:

- What is the weather?
- What is the weather like?
- What is the weather outside?
- What is the weather in (name a city)?
- What is the weather tomorrow?

## Stocks:

• What's the stock price of "Apple"?

### Spelling:

• How do you spell "Artificial Intelligence"

## Time of Day:

- When is sunset?
- When is sunrise in New York City?

Time in current and foreign time zones:

- What time is it?
- What time is it in London?
- How many hours ahead is Istanbul?

### Jokes/ Stories:

- Tell me a Joke.
- Tell me a story.

## Definitions:

• What is the definition of "Artificial Intelligence"

### Geography:

- What's the Capital of Peru?
- What continent is Thailand in?

## Checking Internet Connection:

• Is the internet working?

## Rhyming:

• Are there any words that rhyme with 'dog'?

## Calculations:

- What's [5 times 5]?
- How many teaspoons are in a tablespoon?

# Appendix

1a. Music Deep-Linking (Content Search)

# SONOS

- Apple Music
- iHeartRadio
- Pandora Premium (see notes below)
- SiriusXM
- Spotify Premium
- Tidal (Tidal HiFi + Premium)
- TuneIn

# Autonomic

- Apple Music
- iHeartRadio
- Pandora Premium (see notes below)
- SiriusXM
- Spotify Premium
- Tidal (Tidal HiFi + Premium)
- TuneIn
- Local Music

# Denon Heos

- iHeartRadio
- Pandora Premium (see notes below)
- SiriusXM
- Tidal (Tidal HiFi + Premium)
- TuneIn

Control4

- Pandora Premium (see notes below) NOTE: The New Control4 Pandora Driver updated on 4-8-2022 will work with Josh, but Josh can only call up stations through Pandora, not specific songs or specific artist playlists.
- Tidal, Note: The Control4 Tidal Driver requires Version 155, this driver is set to release mid September, 2021.
- SiriusXM

# 2a. Video Deep-Linking (Content Search) USA

Video Service	Watch movie title	Watch TV-show title	Watch TV-show, season, episode	Watch search term videos, Watch videos of search term or Watch URL
Netflix	Yes	Yes	Yes	-
Disney+	Yes	Yes	No	-
Prime	Yes	Yes	No	-
Hulu	Yes	Yes	No	-
Peacock TV	Yes	Yes	No	-
Max	Yes	Yes	No	-
YouTube	-	-	-	Yes

# 2b. Video Deep-Linking (Content Search) Canada 🚺

Video Service	Watch movie title	Watch TV-show title	Watch TV-show, season, episode	Watch search term videos, Watch videos of search term or Watch URL
Netflix	Yes	Yes	Yes	-
Disney+	Yes	Yes	No	-
Prime	Yes	Yes	No	-
Hulu	-	-	-	-
Peacock TV	-	-	-	-
Max	-	-	-	-
YouTube	-	-	-	Yes