



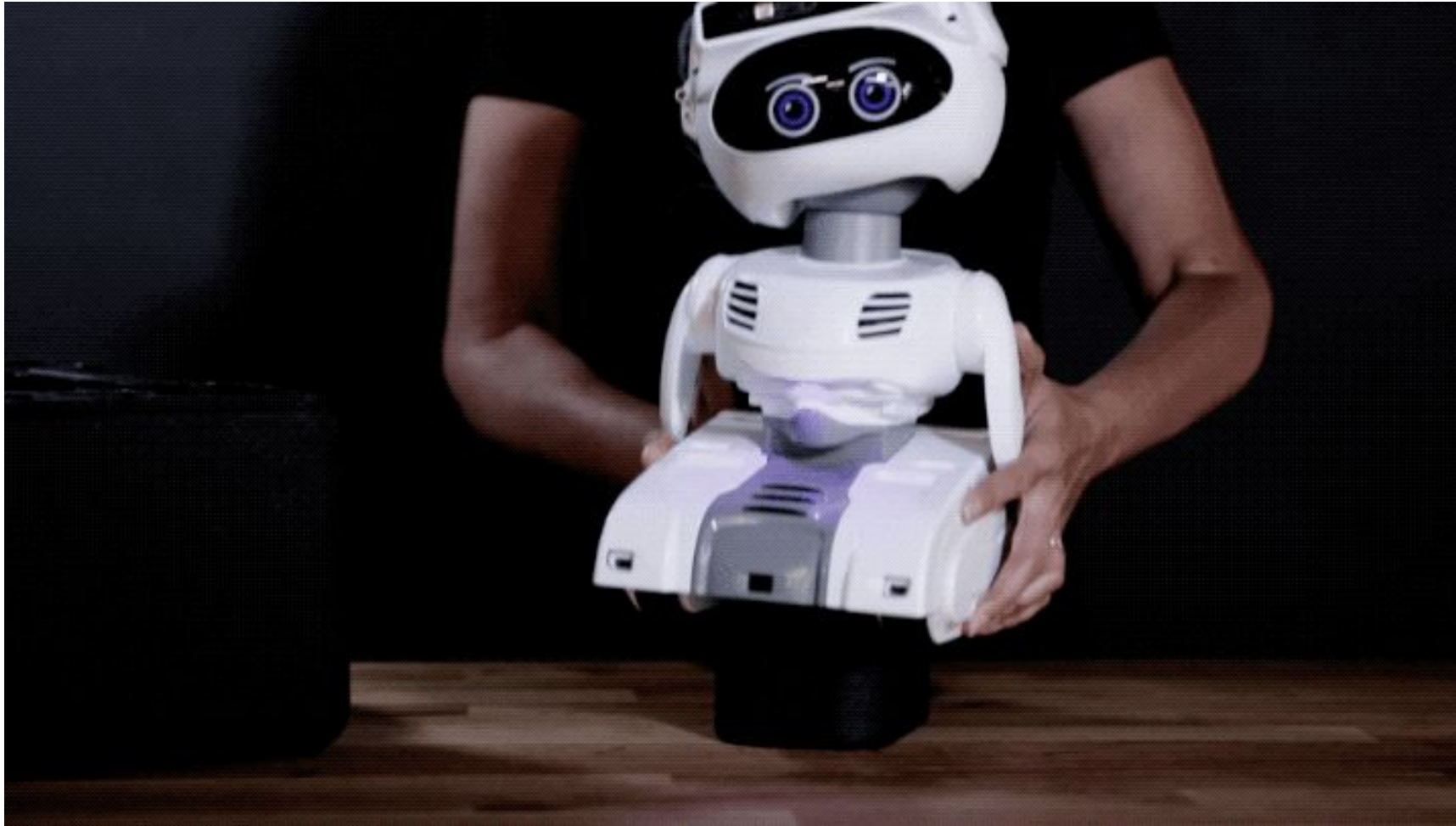
# Misty II

## Google Cardboard Glasses

November 12, 2021



# Misty II



1. Turn Misty on
2. Download the “Misty app”
3. Connect to Misty via the app with Bluetooth and location ON

## Command Center:

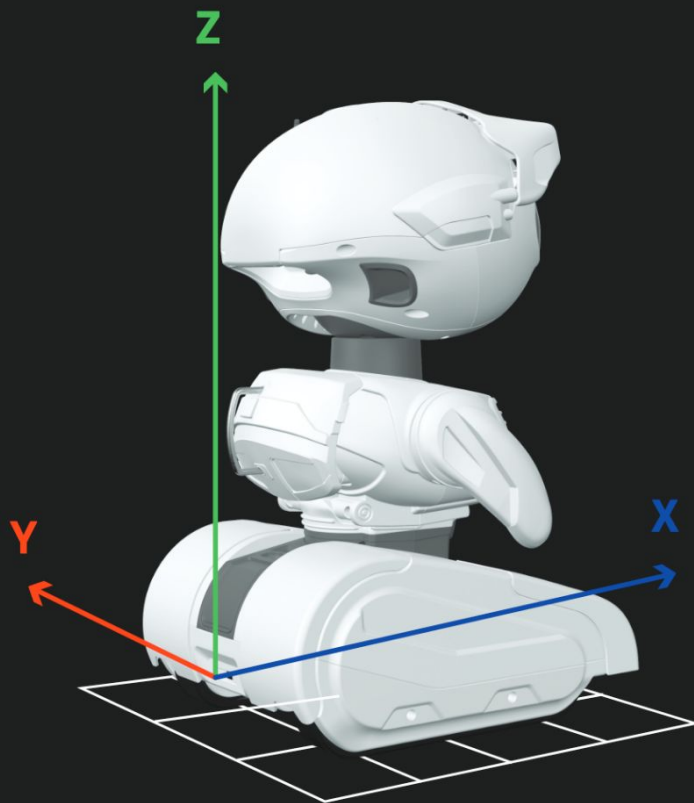
<https://docs.mistyrobotics.com/tools-&-apps/web-based-tools/command-center/>

**Ref:** <https://docs.mistyrobotics.com/misty-ii/robot/misty-ii/>

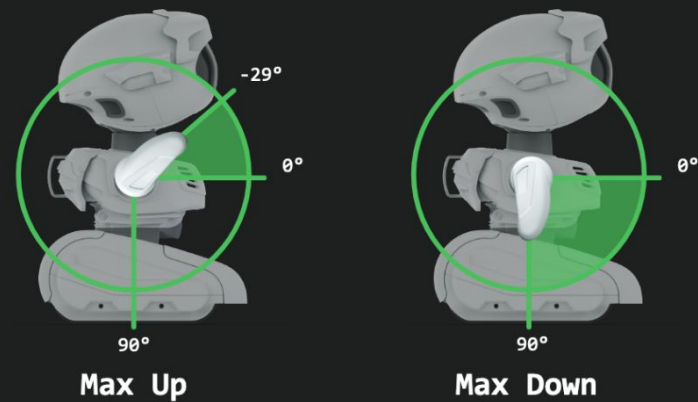




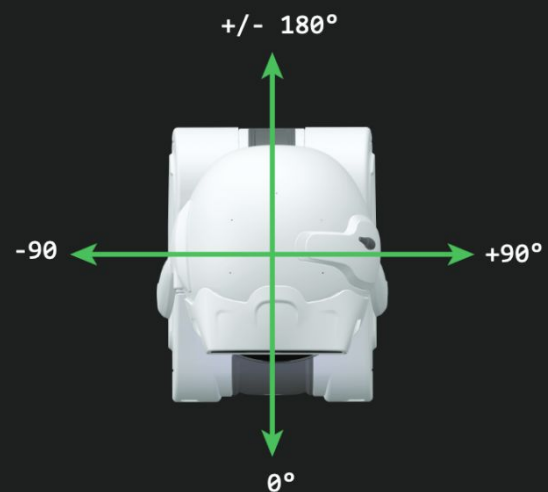
## Robot Axes



## Arms

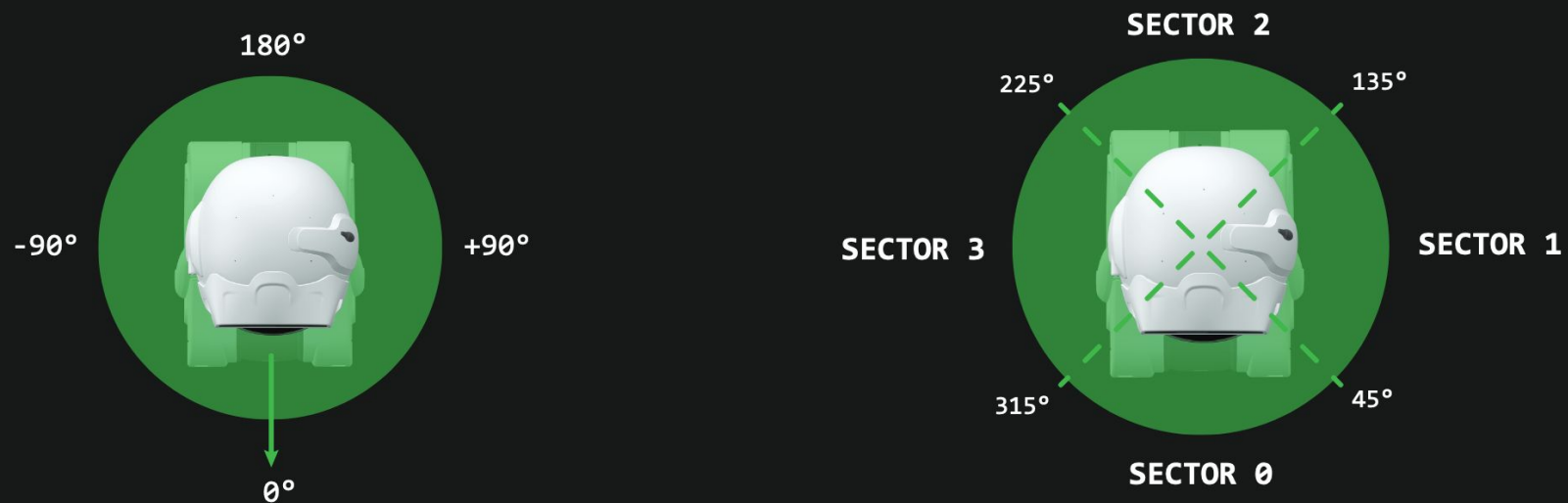


## Driving

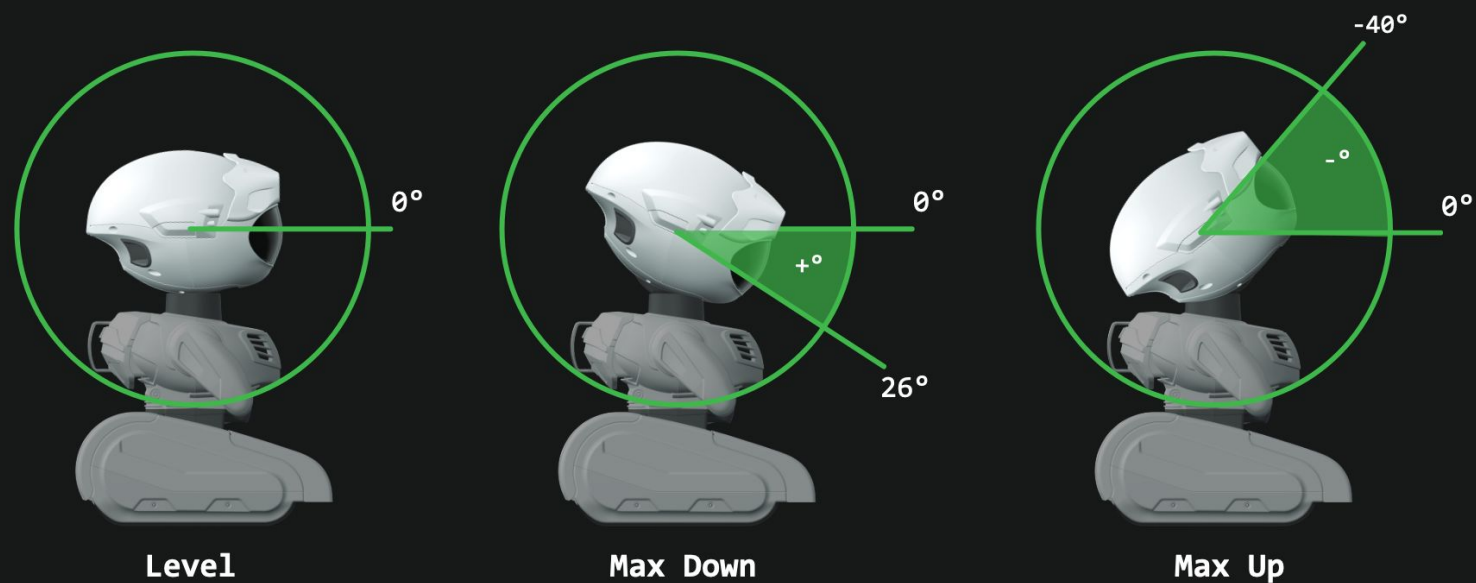




## Audio Localization

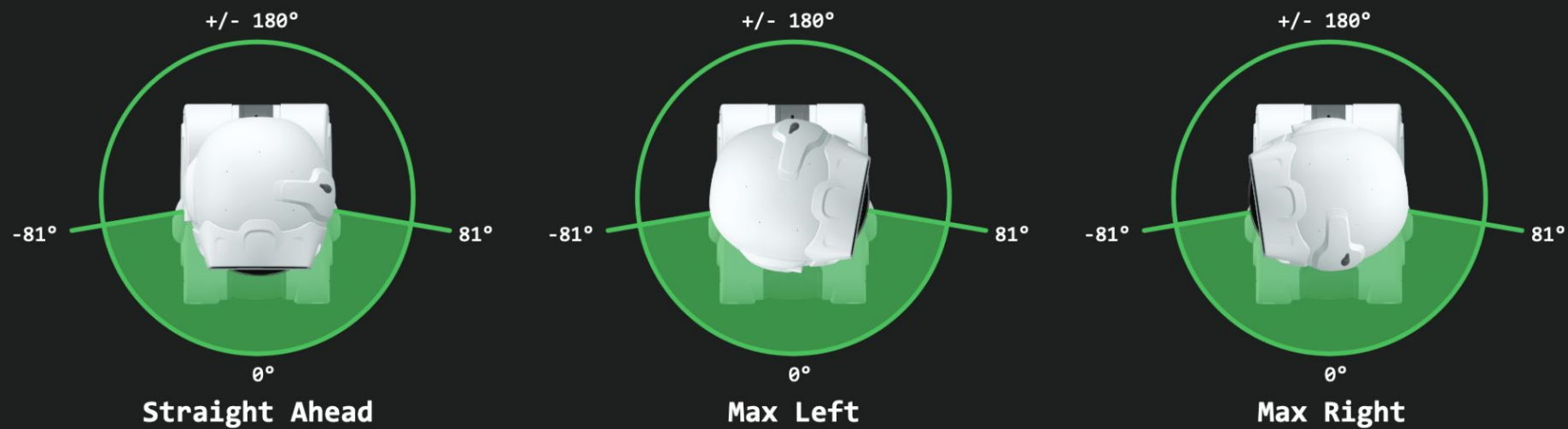


## Head Pitch

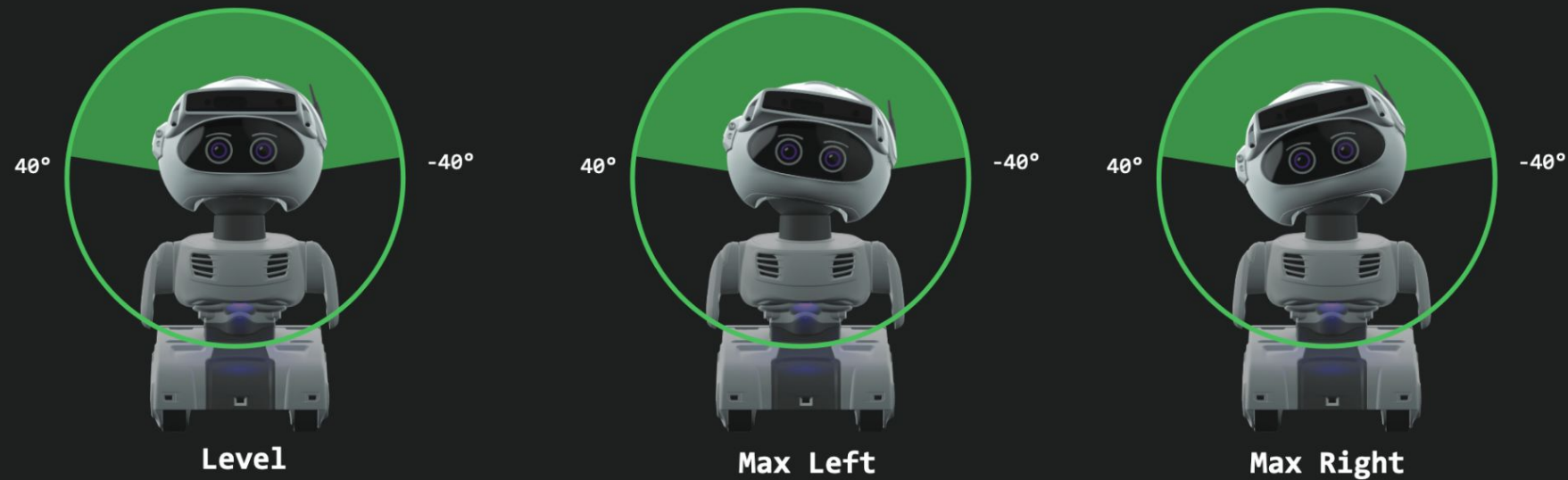




## Head Yaw (Rotation About The Z Axis)



## Head Roll (Rotation About X Axis)





# Misty II Applications

- Store assistant
- Temperature screening
- Mask detection
- Social distancing
- Guard/monitor
- Education
- ...



# Virtual Reality

- Replaces real world
- Immersive multimedia/computer-simulated
- Replicates environment
- Simulates physical presence
- Allows interaction

## Applications

- Virtual travel, field trips
  - Places, spaces, and SPACE
- Immersive training
  - Military
  - Driving
  - Other Simulations
- Storytelling
- Gaming
- Therapy
- Marketing





# Augmented Reality

- Augments or adds to real world
- Blends digital with physical world
- Technology using glasses or headsets with smart devices (phones, tablets)

## Applications

- Virtual travel, field trips
  - Places, spaces, and SPACE
- Immersive training
  - Military
  - Driving
  - Other Simulations
- Storytelling
- Gaming
- Therapy
- Marketing



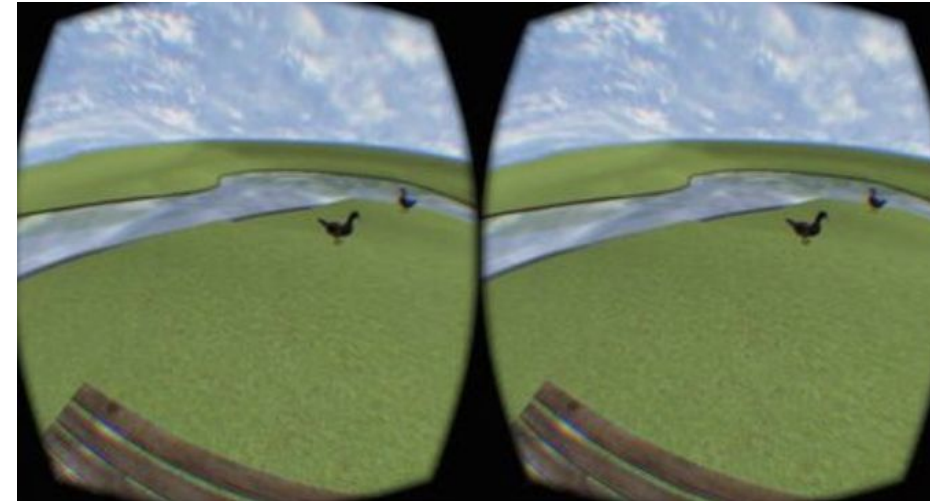




# Google Cardboard



- VR with simplest VR
- Screen for each eye
- Need head rotation



Refer to:

- <https://developers.google.com/cardboard/>
- <https://developers.google.com/cardboard/develop/unity/quickstart>



# Google Cardboard: Quick Start



Android NDK



iOS



Unity

Refer to:

- <https://developers.google.com/cardboard/>
- <https://developers.google.com/cardboard/develop/unity/quickstart>