



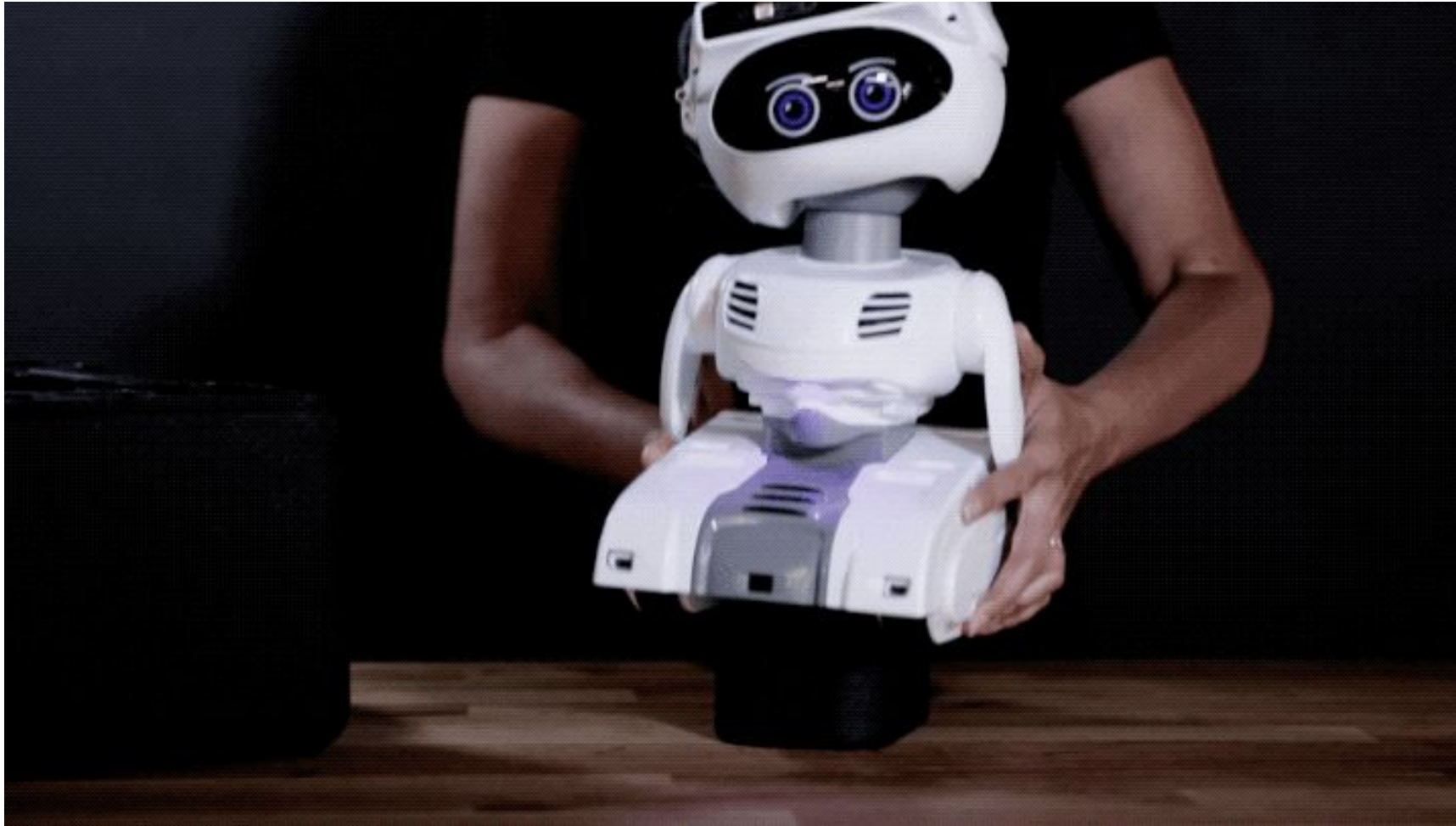
Misty II

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:

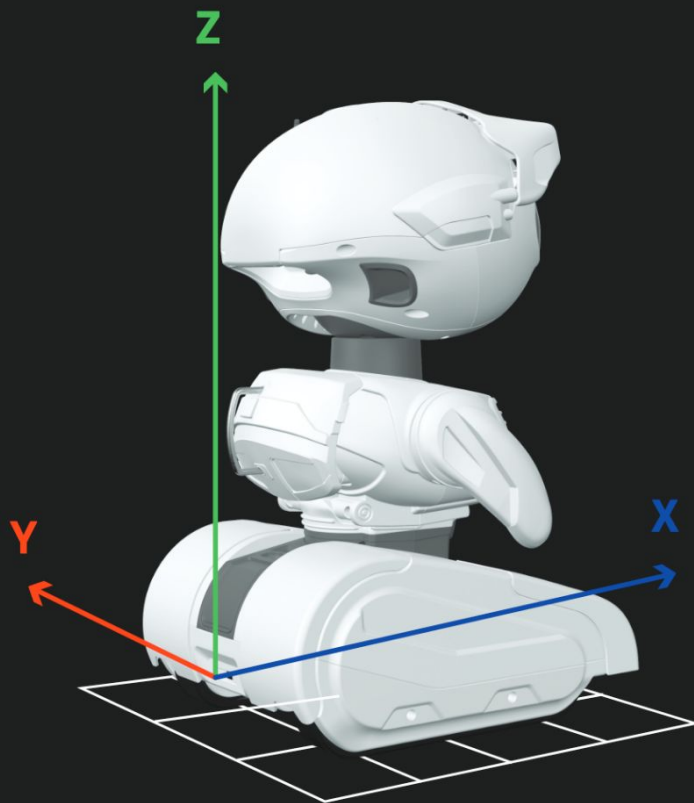
<https://docs.mistyrobotics.com/tools-&-apps/web-based-tools/command-center/>

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

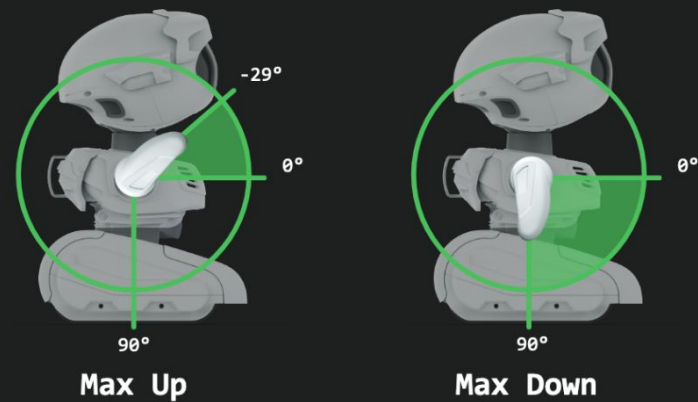




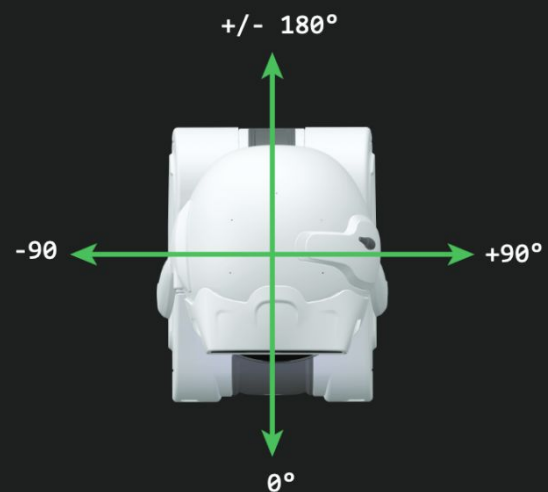
Robot Axes



Arms

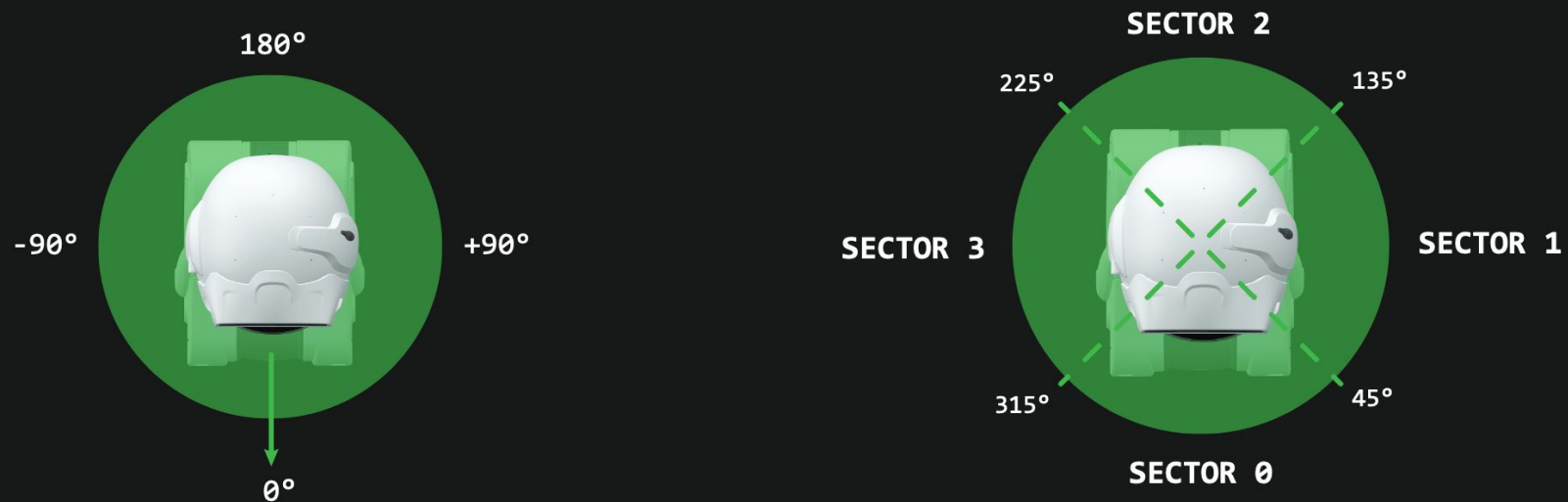


Driving

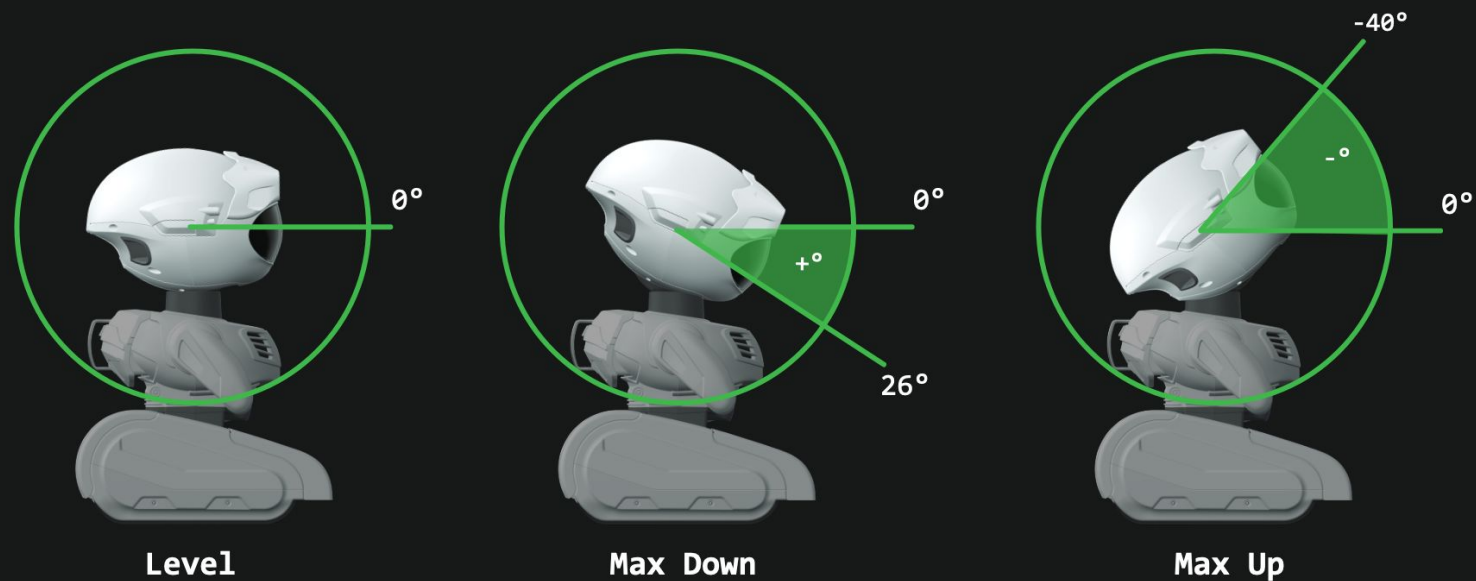




Audio Localization

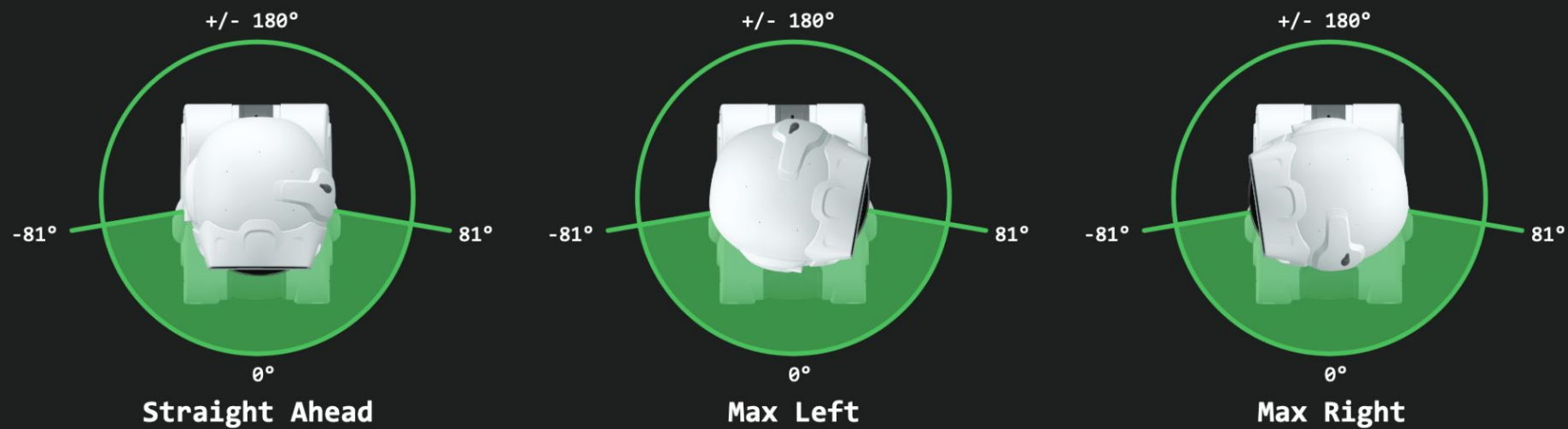


Head Pitch

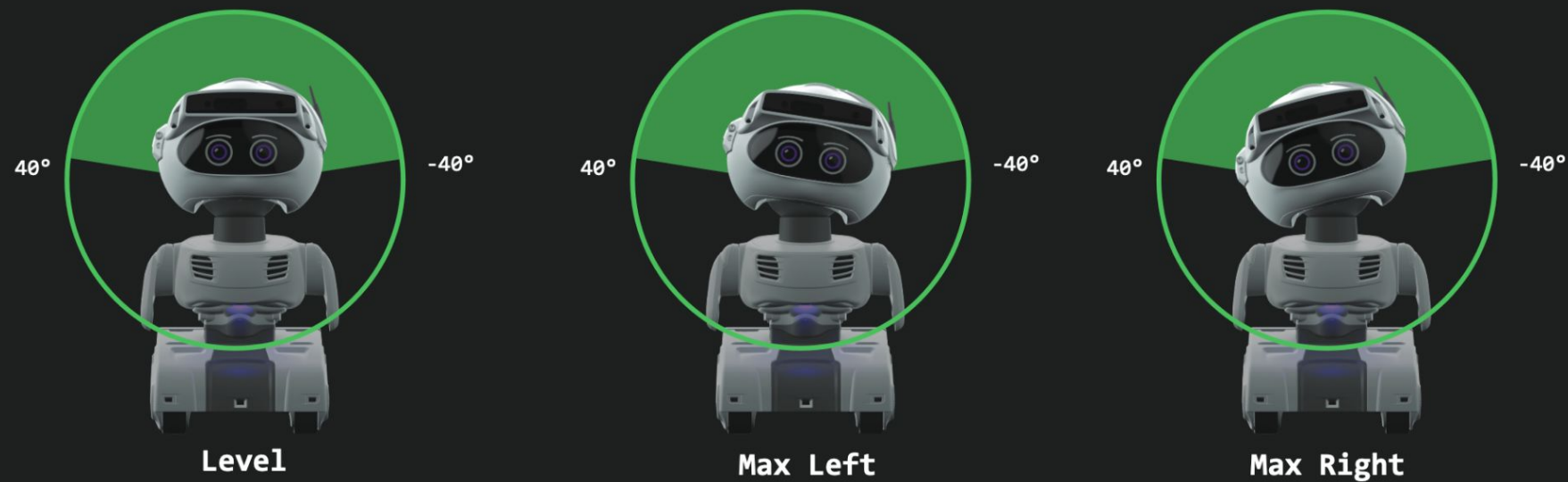




Head Yaw (Rotation About The Z Axis)



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)



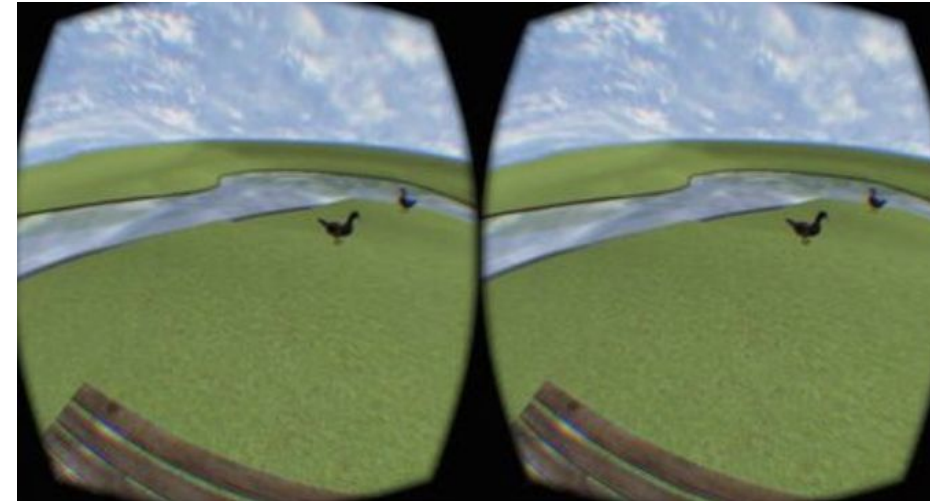




Google Cardboard



- 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>