

WhizGreet™ Robot

User Manual



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1. Introduction

WhizGreet™ is an indoor interactive service robot designed to support **visitor greeting, guided interaction, information delivery, and multimedia presentation** in professional and institutional environments. The robot is optimized for stationary operation, expressive interaction, and reliable performance in shared indoor spaces.

WhizGreet™ enhances engagement by combining visual interaction, voice communication, and structured content delivery.

2. Application Scenarios

WhizGreet™ is suitable for deployment in:

- Office reception and front-desk areas
- Corporate lobbies and business centers
- Retail stores and showrooms
- Hotels, hospitals, and service counters
- Exhibition halls and demonstration booths
- Educational institutions and public information points

The robot is designed to complement human staff by providing consistent, interactive assistance.

3. Operating Environment

For reliable performance and safe operation, WhizGreet™ should be used under the following conditions:

- Indoor environments only
- Stable, flat surfaces such as desks or fixed floor positions
- Dry surroundings with no exposure to liquids
- Adequate ambient lighting
- Moderate background noise levels

Operation outside these conditions may affect performance.

4. Robot Overview

WhizGreet™ features a compact, upright design consisting of:

- A front-facing touch-enabled interactive display
- Integrated camera and microphone system
- Built-in speakers for audio output
- Sensors for human presence detection
- Fixed base for stable, stationary operation

WhizGreet™ is designed primarily for **stationary interaction** and does not support autonomous navigation.

5. Physical Characteristics

5.1 Dimensions and Weight

- **Overall Height:** Approximately 55–65 cm
- **Base Footprint:** Compact fixed base suitable for counters or floor placement
- **Approximate Weight:** 8–12 kg (configuration dependent)

The robot is designed with a balanced structure to ensure stability during interaction.

5.2 Placement and Stability

- Place the robot on a stable, level surface
- Ensure the base is fully supported
- Avoid placement near edges or unstable platforms

The robot should not be lifted or repositioned while powered on.

6. Power and Startup

6.1 Power Connection

- Connect the robot to the designated power source
- Ensure the power cable is routed safely and does not create obstructions

The robot powers on automatically once connected.

6.2 Startup Process

- Allow the system to complete initialization
- Do not interact with the robot during startup

6.3 Shutdown Procedure

- Use the on-screen shutdown option when available
- Disconnect power only after the robot has completed shutdown



7. Interaction Methods

7.1 Touch Interaction

The primary interaction method is the touch display:

- Tap icons and interface elements gently
- Avoid excessive pressure or sharp objects

7.2 Voice Interaction

WhizGreet™ supports spoken interaction:

- Speak clearly at a natural volume

- Stand within the recommended interaction distance

Voice recognition performance may vary depending on ambient noise and speech clarity.

7.3 Visual Interaction

On-screen expressions, prompts, and animations guide users through available functions and indicate interaction states.

8. Functional Modes

8.1 Reception Mode

Reception Mode enables WhizGreet™ to:

- Detect approaching visitors
- Display greeting messages
- Offer guided interaction options

This mode is ideal for front desks, entrances, and information counters.



8.2 Information and Presentation Mode

In this mode, WhizGreet™:

- Displays structured informational content
- Plays images, videos, and presentation material
- Supports product introductions and service explanations

Displayed content should be reviewed before deployment.

8.3 Voice Interaction Mode

Voice Interaction Mode allows visitors to:

- Ask questions
- Request information
- Navigate available content

Responses are delivered through audio output and on-screen display.

8.4 Multimedia Playback Mode

WhizGreet™ supports multimedia playback for:

- Promotional videos
- Informational presentations
- Educational or training content

Audio and visual settings can be adjusted based on the environment.

8.5 Expression and Performance Mode

WhizGreet™ can perform pre-programmed expressive motions and animations to enhance engagement.



Operational Guidelines

- Maintain a clear area around the robot
- Avoid placing objects close to moving parts
- Supervise interaction in public environments

9. Movement and Motion Behavior

- WhizGreet™ is designed for stationary operation
- Limited head and body motion may occur during interaction
- The robot does not move across floors

Do not attempt to manually rotate or force moving components.

10. Display and Audio Controls

WhizGreet™ provides adjustable controls for:

- Screen brightness
- Audio volume
- Audio muting when required

These controls allow adaptation to different lighting and noise conditions.

11. Safety Guidelines

11.1 General Safety

- Indoor use only
- Keep away from liquids and heat sources
- Do not place objects on the robot

11.2 Child Safety



- Adult supervision is required
- Do not allow climbing, pulling, or physical interference
- Encourage gentle interaction

11.3 Electrical Safety

- Use approved power accessories
- Disconnect power before cleaning
- Do not operate with damaged cables

11.4 Operational Safety

- Ensure stable placement at all times
- Stop operation if abnormal behavior is observed
- Do not attempt to modify or disassemble the robot

12. Maintenance and Care

12.1 Cleaning

- Use a soft, dry cloth
- Do not use liquid cleaners or sprays

12.2 Routine Inspection

- Inspect for visible damage
- Ensure cables and connectors remain secure
- Power off the robot when not in use

13. Noise and Environmental Considerations

- Designed for quiet indoor operation
- Audio output adjustable for comfort
- Suitable for offices, lobbies, and public spaces

14. Operational Limitations

WhizGreet™ is designed for structured indoor environments and stationary use. Performance may vary depending on content, placement, and interaction conditions.

15. Storage and Handling

- Power off before relocation
- Move carefully with both hands
- Store in a dry, temperature-controlled environment

16. Basic Specifications

General

- **Robot Type:** Indoor stationary interactive service robot
- **Primary Applications:** Visitor greeting, information delivery, multimedia presentation

Physical Characteristics

- **Overall Height:** Approximately 55–65 cm
- **Base Design:** Fixed, stable base
- **Approximate Weight:** 8–12 kg
- **Exterior Construction:** Enclosed, impact-resistant housing

Display and Interaction



- **Display Type:** Integrated touch-enabled display
- **Display Size:** Approximately 10 inches
- **Interaction Methods:** Touch, voice, visual prompts

Audio and Visual System

- **Camera:** Integrated front-facing camera
- **Microphones:** Built-in microphone array
- **Speakers:** Integrated speakers

Motion and Expression

- **Movement Type:** Stationary with expressive motion
- **Supported Modes:** Interaction, presentation, expression

Sensors

- **Human Presence Detection:** Supported

Power

- **Power Source:** External power supply
- **Operating Duration:** Continuous operation while connected to power

Environmental Requirements

- **Operating Environment:** Indoor only
- **Surface:** Flat and stable
- **Temperature:** Normal indoor room temperature
- **Humidity:** Dry, non-condensing environment



17. Conclusion

WhizGreet™ delivers consistent, engaging interaction through expressive behavior, clear presentation, and intuitive operation. Proper placement, supervision, and maintenance ensure reliable performance across professional and public-facing environments.