Realbotix FAQ V1 Comprehensive Robots User Manual

August 22, 2025

realbotix

Contents [hide]

Comprehensive FAQ – V1

www.realbotix.com

Ordering FAQs

How do I order?

We will first provide you with a detailed breakdown of our product offerings to help you select the option that best suits your needs. Once you've decided on the product you're interested in, we will provide an order form for you to complete. After we receive your completed order form, our team will prepare and send you a detailed estimate within 3-5 business days. Upon your confirmation of the quote, a 50% down payment will be required to finalize the order and begin production immediately.

What payments are due and when?

After submitting the completed order form and reviewing the estimate, a 50% deposit is required to confirm your order and initiate production. The remaining balance will be payable upon the delivery of your robot. In addition to the purchase price, a $200 recurring monthly subscription is required to operate the robot through the Realbotix Controller App. This subscription ensures continued access to essential software features and updates.

How long does it take to make my robot?

Production timelines vary based on the complexity of the order and the level of customization required. On average, it takes approximately 4 to 6 months to complete a robot from the time the order is confirmed.

Are there any requirements for a purchaser to prepare beforehand?

No. The process is simple and realbotix will assist you along every step of the way.

Testing prior to delivery – over video call?

Realbotix provides a comprehensive testing process before delivery. We will send the user a diagnostic check of the robot's animations in the form of video files for review. Additionally, we schedule multiple video meetings with the client to ensure the robot meets the client's standards and requirements. This process ensures satisfaction and

allows for any necessary adjustments prior to delivery.

 Receiving FAQs

How are the robots shipped?

The shipping method depends on the specific robot ordered:

- **Busts:** Shipped in a secure box.
- **Modular Robots:** Shipped in multiple boxes to ensure safe transportation of individual components.
- **Full-Bodied Robots:** Shipped in sturdy wooden crates to provide maximum protection during transit.

Is there anything I need to do to prepare to import the robot?

For international orders, there may be customs requirements that vary depending on the destination country. Customs clearance processes might need to be addressed, but Realbotix will work closely with you to ensure all necessary steps are taken, allowing the robot to reach its destination without issues.

Do I need a forklift to move it while in its box?

A forklift is optional but not required. The packaging is designed to be maneuvered independently without the need for heavy equipment.

What comes in the box?

The box includes everything needed to quickly set up and operate the robot upon delivery. At a minimum, it contains:

- Instruction manuals.
- Warranty cards.
- Assembly guides accessible via QR codes.

Additional components may be included depending on the specific robot purchased.

Does the robot arrive with clothes and shoes already equipped?

Yes. We encourage you to provide us with an idea of the outfit or costume you'd like the

robot to wear most of the time. Once we have your preferences, we will pre-fabricate the outfit to fit the robot perfectly and ship it to you fully dressed in the selected attire.

Ordering FAQs

How do I use my robot and what do I need to operate it?

To operate your robot, you will need access to the Realbotix web-based application, which serves as the robot's central control system, managing movements, lip articulation, and conversational dialogue. The controller is cloud-based and can be accessed via a standard URL from any internet-enabled device, requiring no additional software installation. An active subscription to the Realbotix App ($199.99) is necessary for access. The robot can be controlled from any smart device with a modern web browser, though iOS devices must connect via WiFi, and MacOS users need a Chromium-based browser (Chrome, Edge, Brave, etc.) to use Bluetooth (BLE). This setup ensures real-time adaptability, easy access, and an immersive experience across different devices.

How do I turn the robot on? Is it always on?

All of our robots are manually powered using an inline switch, with a plug-and-play design that connects to a standard wall outlet. An emergency stop feature is also included for safety. For clients opting for wireless power capabilities, this feature is available exclusively for the full-bodied robot variations. Additionally, it is uniquely equipped with built-in batteries, enabling limited wireless operation for enhanced mobility

and convenience.

Do I need any additional equipment to operate the robot?

No additional equipment is required. The robot can be operated using a standard smart device and web browser.

How much does it weigh?

B2 (Full Size Bust)	27lbs w/base (12.25 kg)
M1-A1 (Modular Robot in Desktop Configuration)	43lbs (19.50 kg)
M1-B1 (Modular Robot in Standing Configuration)	68lbs (30.84 kg)
M1-C1 (Modular Robot in Seated Configuration)	77lbs (34.93 kg)
F1 (Full-Bodied Robot)	120lbs (54.43kg)

What is the Realbotix controller for?

The Realbotix web-based application functions as the robot's central nervous system, orchestrating all movements, lip articulation, and conversational dialogue. It serves as the primary interface that enables interaction between the user and the robot.

Users can access the controller via a standard URL, making it easily reachable from any internet-enabled device without requiring additional software installation. This cloud-based approach ensures smooth operation and real-time adaptability for an immersive user experience.

Maintenance and Care FAQs

What is the warranty?

Please see our standard limited warranty for more details.

How do I troubleshoot hardware issues?

Hardware issues are addressed on a case-by-case basis. Realbotix provides troubleshooting support through phone calls/Teams Viewer meetings to help diagnose and resolve any problems efficiently. Our team is available to guide you through the process and ensure your robot is functioning as expected.

How do I troubleshoot software issues?

Troubleshooting software issues is not required on the client's behalf. Realbotix handles all software updates remotely, ensuring your robot stays up-to-date and operates smoothly without any additional effort from you.

What daily maintenance is required on the robot?

Daily maintenance is minimal and primarily involves periodically cleaning the silicone surfaces to keep them in optimal condition. Additionally, users should monitor the robot for any unusual movements or sounds and report them to Realbotix if necessary. This ensures the robot continues to function smoothly and reliably.

How often do you need to perform upkeep or service on the robot?
Regular upkeep for the robot is minimal and primarily involves cleaning the silicone surfaces. Users can clean these areas using warm soap and water, a damp cloth, baby wipes, or a mild solvent like isopropyl alcohol. However, hard solvents are not recommended, as they can damage the texture and appearance of the silicone.

For internal mechanical components, users are not required to perform any maintenance themselves. If servicing is needed for these parts, clients should contact Realbotix for assistance and support.

How is the software updated?
The software is updated remotely through the internet, ensuring your robot stays up-to-date with the latest features and improvements without requiring any manual intervention.

What does your maintenance and warranty plan consist of?

- **Modular and Full-Bodied Humanoids Maintenance Plan:**
  - Annual Charge: $4,000
  - Includes troubleshooting, diagnostic support, and ongoing maintenance to ensure optimal performance and minimal downtime.
- **Bust Maintenance Plan:**
  - Annual Charge: $1,200
  - Clients are responsible for shipping the bust to Realbotix for maintenance and repairs.
    Shipping fees are handled by the client, while Realbotix covers all repair costs.
- **Warranty:**
  - A 12-month limited manufacturer warranty is included, covering motors and hardware against manufacturing defects.

How They Work Together:

1. First Year (During Warranty)

- Your Standard Warranty covers defects and hardware repairs for free within the first

12 months.
- If a software issue arises, it's resolved through free software updates or troubleshooting.
- If repairs are needed, shipping and technician travel costs are covered for the first six months, but after that, you cover those costs.
- If you want priority customer support and continuous software optimizations, you can enroll in the Maintenance Package for extra assistance.

2. After the First Year (When Warranty Expires)

- The Standard Warranty ends, meaning you are responsible for all repairs, parts, and shipping costs.
- If you purchased the Maintenance Package, you'll still get:
  - Software updates to keep your AI and firmware running smoothly.
  - Ongoing customer support (phone/email/video troubleshooting).
  - Guidance on maintaining and resolving minor issues remotely.

Do I Need the Maintenance Package If I'm Still Under Warranty?

- No, the warranty already covers repairs for the first 12 months. However, if you want priority support and guaranteed software updates, you might consider enrolling early.

Do you have a training procedure and verification that the performance of the trained/tested model is acceptable?
If we were developing a custom ai model of a client we would give them access to test the model prior to delivery inorder to ensure that the model is fully operational beforehand. If any discrepancies arise, the AI can be fine tuned as needed.

Does your team work closely with client teams when training and testing the models?
Yes. We work diligently to ensure that both parties have a solid understanding of each other's requirements.

If we have our own content broken up into trainable/testable segments, does your team work with client teams in this manner?

Yes, we work closely with clients on custom-trained models. Our process includes providing a dedicated testing environment, enabling clients to test the AI model we develop. This ensures the model meets their specific requirements and quality standards.

When it's time for an upgrade, is that something we can work on with you ahead of time?

Are those processes in place yet? At any further point should the client need an upgrade, we will work with the client on establishing a mutually beneficial, acceptable path to install the upgrades as needed.

Does it need to be connected to wifi or internet source?

Yes, all of our humanoids require internet connectivity to engage with.

Is there a maintenance schedule for the physical parts of the robot?

No. Although some of the smaller motors may need to be periodically replaced (heads, hands).

Is there a maintenance procedure that only your team can complete or can it be done by someone on my team?

Maintenance requirements depend on the specific issue. In most cases, troubleshooting and minor maintenance tasks can be managed by the client's team with guidance from us. For more complex procedures or specialized repairs, our team may need to be involved. We evaluate these needs on a case-by-case basis to ensure the best outcome.

Is there a list of proven/tested capabilities or features that the robot can complete such as walking or household chores?

No. Our robots do not perform anything related to physical labor.

Does the robot require travel or shipment in order to get maintained?

In some cases, yes. Whether the robot requires travel or shipment for maintenance depends on the specific issue. Minor issues can often be resolved remotely or on-site, while more complex concerns may require the robot to be shipped to our facility for specialized attention.

Is it reliably proven that the robot can safely navigate uneven surfaces when walking?

Our robots cannot walk. Only the full-bodied model offers movement in the form of a remote controlled, wheeled base that can be operated with a manual remote.

Are there any physical limitations or known risks to be aware of?

Our humanoids are not designed for manual tasks or for recognizing human proximity. To address potential risks, all internal components powered by electricity are equipped with fail-safes to minimize unforeseen issues. Additionally, the motors have built-in fail-safes that automatically shut down in the event of a hard collision, ensuring safety and preventing damage.

Is there an opportunity for someone on my team to learn minor maintenance activities?

Yes. This is accomplished by simply spending time with your humanoid so that the client masters the learning curve with owning this type of hardware. Additionally, realbotix would assist to train the client or clients employees to learn.

What are some of the equipment and spaces needed to learn how to repair the robot?

Jewelers tools and other niche items that would allow the client to troubleshoot repairs on their own. Working space should be adequate for two full size people.

Do you partner with other parties to maintain, build or repair the robots?

No. All maintenance, construction, and repair processes are handled in-house by our dedicated team. This ensures the highest quality control and consistency across all aspects of our robots.

Is there a scan or a health check that can be run to tell the robot health, risks, warnings, etc (both physical and logical)?

Yes we have external diagnostic tools that are available to use remotely for hardware and software issues.

Can the robots be in the rain? Will that damage them?

Not recommended. Subjecting the robots to any amount of excess moisture is not advised.

Can you apply makeup to the skin and how is it removed? What are the skin care procedures?

Yes you can apply makeup to the skin. Powder based makeups can be applied and removed with makeup remover and or a mild solvent such as isopropyl alcohol. The make up realbotix applies is permanently embedded within the silicone. Use caution with applying deep and rich makeup colors as they may stain the silicone.

F Series Robots FAQs

The primary distinction of the F Series robots lies in its motorized base and advanced torso mechanics. This includes four additional motors not present in our modular robots, with three of these located in the torso, enabling three degrees of freedom in the abdomen. This design allows for a highly realistic range of human-like movements, as all four motors work in sync to incorporate natural body motion.

For example, our F series robots can perform twisting, side-to-side movements, and forward-to-backward motions.

The F Series robots are also connected to a motorized wheel platform beneath the soles of their feet, which enables them to move within their environment. Additionally, clients can control the direction of a full-bodied robot with an external controller.

Movements:
Full-bodied humanoid on a mobile platform:

- Torso forbend
- Torso tilt
- Torso twist
- Lower Neck tilt/roll
- Shoulder forward (both arms)
- Shoulder out (both arms)
- Upper arm twist (both arms)
- Elbow bend (both arms)
- Forearm twist (both arms)
- Wrist bend (both arms)
- Finger curls (all 10 fingers)
- Driveable base
- 15 Facial movements

Body Gestures:

- Wave hand
- Rocker
- Peace sign
- Hang loose
- Hands on hips
- Come here
- Dance (Elaborate arm animation)
- Thinking
- Tap head

- Hair flick
- Idle minimal (Minimal movement)
- Idle attract (More dramatic idle)
- Clapping
- Selfie pose
    - For Custom body animations contact Realbotix for more info and pricing.

Add on options: Vision/Face tracking systems, Spare robotic heads, Custom voices, Custom AI integration, Custom Face Sculpting & molding, Custom Face animations, realbotix maintenance plan.

For fully bespoke character designs, please email contact@realbotix.com.

How long does the full-bodied robot operate for? Should I choose to run it wirelessly?
4 ½ hours depending on usage.

What type of battery does the full-bodied robot use?
The full-bodied robot is powered by two sealed lead-acid AGM batteries (12V, 22Ah), which are connected in series. This configuration provides the robot with an operating voltage of 24V DC and a total capacity of 22Ah.

How long does it take to fully recharge the batteries?
The charging time ranges from 2 to 4 hours, depending on the charging method used: Note* This only applies to the full-bodied robots.

Is the battery easy to replace?
Yes. The battery can be replaced with basic DIY skills and standard tools. The design allows for easy access and straightforward swapping when needed.

M Series: Modular (Travel Friendly) Robots

Our modular robots provide flexibility and customization, offering three configurations to suit different needs:

1. M1-A1 Desktop Version – Features a robot that starts from the thighs upward.
2. M1-B1 Standing Version – Mimics Aria's standing posture, but only the arms and

head are motorized. No mobile base included.
3. M1-C1 Seated Version – Well-suited for professional settings such as reception desks, customer service roles, or other environments requiring human-like interaction and aesthetic appeal.

Unlike the full-bodied robots, the modular models do not include motors in the torso, focusing instead on neck, head, and arm articulation. While they lack the advanced movement capabilities of the full-bodied version, the modular robots are versatile and customizable to match specific use cases.

The term “modular” reflects the ability to choose between seated, standing, or thigh-up configurations, allowing users to select the setup that best fits their requirements. Furthermore, all models are designed to be interchangeable, allowing for conversion between configurations with the purchase of additional legs. Pricing for additional legs will be determined and provided during the ordering process.

Movements:

- Lower Neck tilt/roll
- Shoulder forward (both arms)
- Shoulder out (both arms)
- Upper arm twist (both arms)
- Elbow bend (both arms)
- Forearm twist (both arms)
- Wrist bend (both arms)
- Finger curls (all 10 fingers)
- Knee kick (crossed knee)
- 15 Facial movements

Body Gestures:

- Wave hand
- Rocker
- Peace sign
- Hang loose

- Come here
- Dance (Elaborate arm animation)
- Thinking
- Tap head
- Hair flick
- Idle minimal (Minimal movement)
- Idle attract (More dramatic idle)
- Clapping
- Selfie pose
    - For Custom Animations contact Realbotix for more info and pricing.

Add on options: Vision/Face tracking systems, Spare robotic heads, Custom voices, Custom AI integration, Custom Face Sculpting & molding, Custom Face animations, Pair of robotic legs, realbotix maintenance plan.

For fully bespoke character designs, please email contact@realbotix.com.

M Series: Modular Robots FAQs

What is the difference between the Modular Robot and other robots offered?
Modular robots are designed for flexibility, offering configurations such as seated, standing, or desktop models. They lack a mobile base but include motorized neck, head, and arm articulation, depending on the configuration. Components such as legs can be added or swapped to change configurations, making them adaptable to various use

cases. Modular robots are ideal for environments requiring stationary interaction, such as reception desks or professional settings.

Busts consist of the head and neck only, without a torso, arms, or legs. They are stationary and focus on hyper-realistic facial expressions and conversational capabilities. Customization is limited to facial animations and expressions, with no structural upgrades to a full body or limbs. Busts are perfect for those exploring humanoid robotics on a smaller scale, suitable for applications like personal assistants, companions, or interactive hosts.

Full-bodied robots feature a complete humanoid form, including arms, legs, and a torso, with motorized mechanics throughout. Equipped with advanced torso mechanics and a motorized wheel platform for mobility, they offer the highest level of customization, including built-in batteries for wireless operation. Full-bodied robots are best suited for applications requiring lifelike movement and interaction, such as public-facing roles or environments where advanced realism is essential.

Can I convert the robot from the seated, standing or desktop version once it's in my possession?
No, the robot cannot be converted between configurations without additional components. Users must purchase the necessary robotic appendages to adjust the modular robot to their desired posture (seated, standing, or desktop). This modular design ensures flexibility while allowing customization as needed.

Can the seated modular humanoid be converted to a standing position?
Yes, the seated version can be converted to the standing version with the additional purchase of legs. This modular design allows clients to customize their robot's configuration based on their needs.

B Series: Bust Robots FAQs

Full Size Bust

Our bust lineup represents the most economical entry point into humanoid robotics. These models are ideal for those wanting to explore robotics for the first time. Our busts offer hyper-realistic facial expressions and conversational dialog capabilities. Includes

lower neck movement.

Busts are versatile, making them suitable for a wide range of use cases, including:

- Teachers
- Personal Assistants
- Companions
- Receptionists
- Hostesses

Whether for personal or professional use, realbotix busts provides an accessible way to experience the potential of advanced robotics.

Movements:

- Lower Neck tilt/roll
- 15 Facial movements

Gestures:

- Speaking animations

For fully bespoke character designs, please email contact@realbotix.com.

Robot Customization FAQs

What are my options for customizations?

Customizable options include addons such as face tracking systems, extra heads, custom voices, and integration of the users own AI, with prices varying based on the level of customization. For completely unique designs and personalities outside our existing collection, custom characters are available, with fees starting at $20,000+ for features like custom face sculpting. The scope of customization is largely dependent on the customer's imagination whether it's something as simple as a new skin tone or a fully bespoke humanoid design, we will do our best to bring their vision to life.

How customizable is the software? Can I run my own process to intercept the audio input and manually control the limbs etc?

The software offers a range of customization options. Currently, users can adjust lip sync parameters and create custom facial expressions within the app. Additionally, it is possible to manually control each servo of the robot. To further enhance customization, we are developing a tool that will enable users to create new animations for the head and body, providing greater flexibility in controlling the robot's movements.

Can I add a custom face to my robot?

Yes. Users can select the option for Custom Face Sculpting and Molding which consist of a 3D model image scan of a face.

Can I add a custom voice to my robot?

Yes. Users can add custom voices to their robots should they decide not to use a voice from our current library.

What does the process consist of for getting a custom robot created?

Please see our custom robot creation agreement for more details.

If I wanted one to look like me, would I have to travel to Las Vegas for sizing and measurements?

Not necessarily. While traveling to Realbotix's studio in Las Vegas is one option, there are alternatives. Realbotix can send a representative to your location, with the Client covering all associated travel expenses. Alternatively, Realbotix can help locate a facility

near your area to conduct the necessary scanning and photography. These options provide flexibility based on your preferences and circumstances.

What are the requirements for using someone's likeness?
If the robot is modeled after a specific individual, the individual must complete and sign an Authorization for Use of Likeness form. This form grants Realbotix permission to create the robot using their likeness and appearance exclusively for the Client. It ensures that the likeness will not be used for any other purpose without explicit consent. The Client is responsible for securing the necessary authorization prior to starting the project.

What happens to the reference materials provided?
Realbotix will keep all reference materials confidential and use them solely for creating the customized robot. Ownership of the finished robot transfers to the Client after full payment is made.

Who is responsible for liability?
The Client assumes full responsibility for the creation and use of a customized robot modeled after any individual, whether deceased or living. Realbotix holds no liability for any claims, disputes, or legal actions arising from such use. The Client agrees to indemnify and hold Realbotix harmless from any associated liabilities.

Can a full-bodied robot be taken off the mobile platform and converted into a sitting position?
Yes, this is possible with the purchase of the seated modular robot configuration. In this setup, the robot's head can be detached and swapped out as needed to accommodate a seated position.

If I were to choose a seated modular robot could I change the face for another character?
Not exactly. To use a different character, you would need to purchase an additional head separately.

Would I be able to use different faces for any humanoid configuration?
Yes, you can use any head for any character, allowing you to swap them out as desired

for your chosen humanoid configuration.

Do I have to order another bust if I want to purchase another face?
No, you don't need to order an additional bust if you want more faces. However, you would need to purchase a new head to swap out the character. It's important to note that male character faces can only be swapped with other male faces, and female character faces can only be swapped with other female faces. This is due to the size difference of the robotic skulls, which makes them noninterchangeable between genders.

How does the voice customization process work?
Voice customization depends on the client's preferences. If you'd like the robot to sound like a specific person, we require that individual to read a scripted prompt for approximately 30 minutes. This recording is then used to generate a unique voice engine.

Currently, users can select from our existing voice library. However, creating a fully custom voice involves additional production and fine-tuning time, which can extend the delivery timeline of the bust to approximately 6 to 8 months.

What is the permanent memory limit of the robot? Can it be expanded? Is it saved in the cloud? Can you edit and access the memories?
You can edit and access the robot's memories through the app, allowing you to upload, manage, and organize memories as you see fit. While there is a memory limit per user, the exact size is still being finalized as we continue internal testing. Memory will be expandable after launch, so if you need additional capacity, upgraded options will be available. At this stage, all memory is stored locally within the cloud.

 **Realbotix AI FAQs**

Will I be able to control input/output with a local LLM (say, with a nearby computer running its own model) as opposed to cloud ones?
Yes, users can integrate their own locally hosted solution for the LLM, allowing full control over input and output.

Does your platform support integration with advanced AI models such as

ChatGPT-4 or ChatGPT-5? If so, is the integration fully functional, or does it involve any limitations?

Yes, our platform supports integration with advanced AI models, including ChatGPT-4, ChatGPT-5, and others. Users can connect their own models, whether they are cloud-based (via API) from platforms like OpenAI and Huggingface or locally hosted models such as Lmstudio.

The integration is fully functional, allowing users to leverage their chosen AI models seamlessly. However, the functionality depends on the capabilities of the integrated model and the requirements of the user's application.

What LLM model does realbotix use?

Realbotix utilizes proprietary fine-tuned models specifically developed for our robots. However, we cannot disclose detailed information about the base models or the fine-tuning processes. These proprietary enhancements are designed to provide an optimized and tailored AI experience for our users.

Does your AI allow you to have fluent conversations in French and Polish?

At this time, our AI supports conversations exclusively in English. This limitation is due to Azure's current lack of lip-sync capabilities in other languages. However, we anticipate that this will change in the future as Azure continues to expand its multilingual support.

Can the AI evolve and adapt to my preferences? Is it generative in nature? Will the robot be able to learn from my conversations, interactions, likes, dislikes, etc?

Yes. The AI is designed with a memory system that allows it to evolve and adapt based on your interactions over time. It is generative in nature, meaning it continuously refines its responses and behaviors to align with your preferences.

As you engage in conversations, express your likes and dislikes, and interact with the AI, it will learn from these experiences to become more personalized and attuned to your unique style of communication. This ongoing learning process ensures a more intuitive and engaging interaction, making the AI feel more like a familiar companion rather than a static system.

 **General Robot FAQs**

What is the life expectancy of the product?
The life expectancy of the humanoid robot depends on its usage and maintenance. By following proper guidelines, your humanoid figure can last for many years. We recommend a runtime of 2 hours followed by a 30-minute break to ensure optimal performance and longevity.

To minimize potential downtime, Realbotix offers the option to purchase a secondary head at a discounted price of $8,000. This allows clients to quickly replace the head in the event of a technical malfunction, ensuring uninterrupted use of their robot.

Will I receive any training from you once I get my robot?
We will provide support as needed upon delivery. There will be resources available pre-delivery.

What kind of internet connection is required for the robots?
Domestic WiFi with 2.4Ghz frequency to connect with the board. BLE is also available for some platforms.

What size shoes do the robots wear? Can the footwear be changed?
The robots wear size 7 to 8 shoes. However, modifying the footwear requires cutting holes into the shoes to accommodate the robot's structure.

Does the robot come with clothing?
There is no standard outfit included with the robot. Clothing is provided on a caseby-case basis depending on the order specifications.

Can I change the clothing that comes with the robot?
Changing the clothing is partially possible. For best results, we recommend keeping the robot in its default costume (or a preconfigured costume of your choice) to ensure proper fit and functionality.

What type of wall outlet connection is needed to run the robot?
Our robots require a wall outlet that supports the following input specifications:

- **Voltage:** 100-240V AC

- **Frequency:** 50/60Hz
- **Current:** 1.5A max

The power adapter will output:

- **Voltage:** 6V DC
- **Current:** 5A max

Can the robot be running from a typical wall outlet?
Yes.

 **Realbotix AI FAQs**

Can I integrate other AI software into the robot?
Yes, our platform currently allows the users to plug in their own models, be it cloud based (API) : OpenAI, huggingface, or local models (Lmstudio)

Can it come pre-loaded with Oracle Software, Microsoft Software, Java programming (specifically Java 8) knowledge?
The robot does not come pre-loaded with specific software or programming knowledge, such as Oracle, Microsoft, or Java.

While the AI is primarily designed for enterprise applications, the system supports integration with user-provided LLMs or cloud-based solutions, allowing for customization to meet specific software or programming requirements.

Are there any known required actions needed from a human to alleviate any glitches or hallucinations?
We employ best practices in developing our models and take every precaution to minimize the possibility of glitches or hallucinations. However, due to the inherently generative nature of AI, we cannot completely eliminate the potential for such occurrences. Regular monitoring and feedback loops from human oversight remain critical for identifying and addressing these instances promptly.

I subscribe to ChatGPT – would this be supported with the bust?

Yes.

Can the robots be programmed with specific datasets?

Yes, users can directly connect their own LLM (Large Language Model) to program the robot with specific datasets. Additionally, Realbotix offers the option to provide custom solutions tailored to your needs, which will be available at an additional cost. This ensures the robot can be customized for specialized applications or other industry-specific knowledge.

General Robot FAQs

What types of smart devices can be used to control the robots?

Since the controller to operate the robot will be web based, every smart device that runs a modern browser will be able to control our robots. (iOS devices can only control through WiFi, while MacOS needs to run a Chromium based browser (Chrome, Edge, Bravo…) should customers want to use a BLE connection.

How long do our robots hold a charge?

4 ½ hours for the full-bodied configuration only depending on usage.

How do I safely move the robot from one place to another?

The bust can be picked up from the stem of the base and physically moved to another

location. The modular robots depending on their configuration can be relocated with a hand truck, cart, or other wheeled items. The full bodied robot is movable by the built in base therefore not requiring physical movement to relocate.

Where should I store my robot when not used?

Users can cover the robots with a light sheet to prevent it from getting dirty along with having them placed in a temperature controlled environment.

How do the robots perform while exposed to weather?

Our robots are designed to operate in conditions that are comfortable for human beings. For extreme temperatures outside this range, operation is left to the client's discretion. The suggested operating temperature range is between 40°F and 100°F. Operating the robot outside these parameters may affect performance and longevity.

What can the eyes see?

Pre-configured models from our current collection do not have vision systems. Face tracking and vision systems are a feature that can be added onto a client's robot.

What can the ears hear?

Our robots do not have built-in microphones at this time. The device that is used to operate the robot acts as the microphone for verbal inputs.

What is the FaceTracking and Vision System?

The Face Tracking and Vision System is an add-on designed to enhance the robot's realism and interactivity. This system enables the robot to detect, track, and recognize faces within its environment, allowing for authentic and natural eye movements that

create a more lifelike experience.

Integrated within the Realbotix robotic heads, the Vision System utilizes cameras embedded in the robot's eyes to recognize users and interpret its surroundings. This feature is currently completing development and will be available for integration starting in June 2025. The cost to integrate this system into any of the robotic models is approximately $25,000.

Key Features of the Vision System:

- User Recognition
- Object Recognition
- Head Tracking Capabilities
- Realistic Scene Detection for Enhanced Conversational Interactions

Can the robots do any physical labor?
Unfortunately our robots are not meant for physical labor. What they lack in movements they make up for in conversational dialog, companionship, emotional support, personal connections, hospitality, and realistic human appearances.

Do you anticipate introducing features that support enhanced sensory experiences, such as hearing or touch sensors?
Yes, our vision model, which is currently under development will have a functionality to hear and see.

Is there a special power source that the robot needs to be charged in?
There is no special power source required to turn the robot on. A typical 120V wall outlet is all that is necessary.

Does the operation have to be within a certain proximity of a power source?
The client who is controlling the robot has to be within at least 10-20 feet. Distance within a power source doesn't matter as the humanoid product can be connected to a source of power and left there.

How long can the robot run until recharge is needed?

2-4 hours depending on usage. Note* This only applies to the full-bodied robots

Can the robot be upgraded from modular to fully body at a later time?
Yes, all of our robots are designed with modularity in mind and can be upgraded at a later time. If a client decides to upgrade their modular robot to a full-body version, the robot will need to be shipped back to our facility. The upgrade will be performed by one of our skilled robotics technicians to ensure proper integration and functionality.

Are there some activities that drain the power more than others?
Yes, certain activities result in higher power usage. For example, the F Series motorized platform requires substantial energy if it is frequently moved to new locations. Additionally, activities involving exaggerated movements, such as dance moves, consume more power due to the simultaneous operation of multiple motors.

How good are the microphones inside these robots?
We currently have speakers located in the head that offer standard sound. Currently our team is developing an updated microphone system as well as installing a unified speaker within the chest cavity for further audio clarity.

I can’t find any information on this app that I’m going to need. Do you have any PDFs or white papers on what the app is as well as how it connects to the robot and if it has a call home feature?
The Realbotix web-based application functions as the robot’s central nervous system, orchestrating all movements, lip articulation, and conversational dialogue. It serves as the primary interface that enables interaction between the user and the robot. Access to the robot requires an active subscription to the Realbotix App, priced at $199.99.

Users can access the controller via a standard URL, making it easily reachable from any internet-enabled device without requiring additional software installation. This cloud-based approach ensures smooth operation and real-time adaptability for an immersive user experience.

In addition are the connections to the robot secured by certificates and TLS or is it done some other way?
The connection to the robot is made through both WiFi and Bluetooth. For securing the

communication, we primarily rely on encryption protocols provided by these technologies. Specifically, Bluetooth uses Secure Simple Pairing (SSP) for initial pairing and encryption, while WiFi communication can be secured using WPA2 or WPA3 encryption standards.

Currently, we are not using certificates and TLS for securing the direct connection to the robot. However, if the app needs to access sensitive information stored in the cloud, we utilize TLS to ensure data protection and integrity.

Lastly if there is a call home feature how is that connection handled and who owns the keys to that encryption?
Encryption is handled by the cloud, we do not have any access to user data.

 **Privacy Concerns and Data Security**

Privacy is a significant concern for me. How do you maintain the privacy of the information I share with the robot and who else, if anyone, will be reviewing my interactions with the robot?
At Realbotix, we take privacy very seriously and ensure your information remains secure. The system can be configured so that only you have access to the conversations and data, which can be stored locally for full control over your interactions. Using our OpenAI integration, we can set up your account to allow you to manage settings, switch models, or update the knowledge base as needed. This ensures transparency and customization while maintaining privacy. No one at Realbotix or elsewhere will have access to your interactions or data unless explicitly authorized by you. Our systems are designed to protect your privacy and give you complete control over your robot's settings and information.

How is the data stored and transferred?
Sensitive data will be transmitted securely using HTTPS, a secure protocol, and stored on the server with the same principle of security. Simpler data, such as controlling the robot's movements, can be transmitted using WebSockets or BLE and stored locally on the board with proper encryption.

Documents / Resources

	Realbotix FAQ V1 Comprehensive Robots [pdf] User Manual FAQ V1 Comprehensive Robots, FAQ V1, Comprehensive Robots, Robots

References

- User Manual

Realbotix

Comprehensive Robots, FAQ V1, FAQ V1 Comprehensive Robots, Realbotix, Robots

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search