

robothespian™



interact
learn
communicate
engage

A fully programmable
interactive humanoid
robot designed to
inspire, communicate,
interact and entertain.

At a glance...

RoboThespian is a life sized **humanoid robot** designed for human **interaction** in a public environment.

Being **fully interactive, multilingual, and user-friendly**, it can **communicate** and **entertain** in a way that few people have experienced before.

RoboThespian will deliver content specific to your venue. Write your own script for it to **perform**. Perhaps you want to **inspire** children about science, talk about your company's product or perform a theatrical piece. RoboThespians can work together to create spectacular shows.

Now in its third generation, and with over six years of continuous development behind it, RoboThespian is a **tried-and-tested** platform, **trusted** by national science centres, visitor attractions, commercial users and academic research institutions around the world.

The functionality is **flexible** and **expandable** – there are a number of ways to use and control RoboThespian... and if none of them are quite what you need, Engineered Arts can create customised applications to suit your needs.



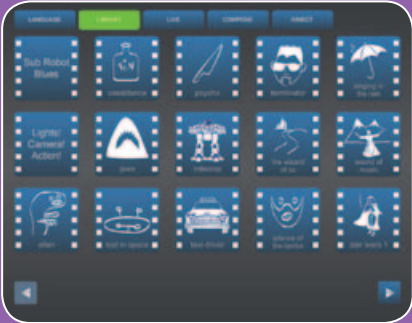
how it works

RoboThespian comes with an interactive touch-screen interface designed for casual users, like visitors to an attraction or guests in your company’s lobby.

It’s very user-friendly and available in many different languages. It’s fast, responsive and stable, and it handles users who are determined to test RoboThespian to the extreme.

the library screen

Large buttons with graphic icons, a quick way for your visitors to start a pre set robot routine, for example, a song, a story, or a message specific to your venue.



the live screen

Let your visitors take direct control of RoboThespian. Change his expression and what he’s looking at – see the view from his head mounted camera and play short audio clips such as greetings and questions.



compose screen

Simply drag gesture and expression icons to the time line to create quick effective robot routines – add audio from clips or type the text you want to hear. Ideal to make an announcement, promote a special event or to greet a VIP guest.



multilingual

RoboThespian features a choice of Text-to-Speech engines, covering most languages and dialects in male and female voices.

versatile

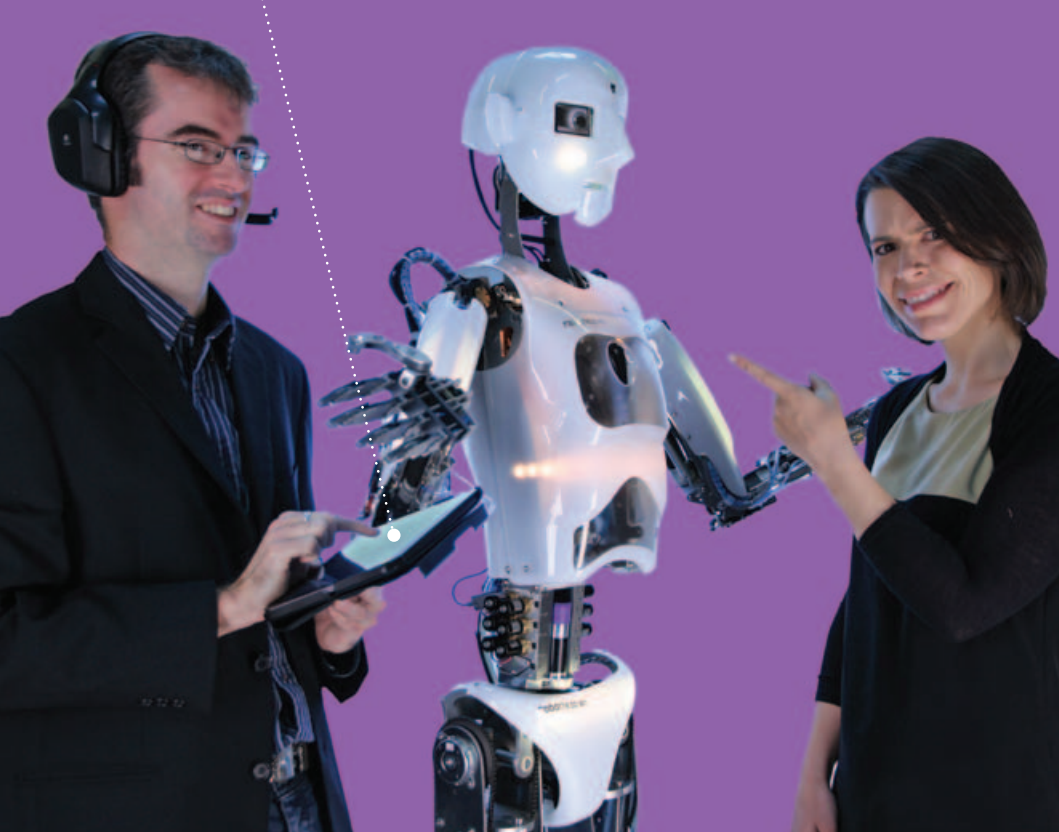
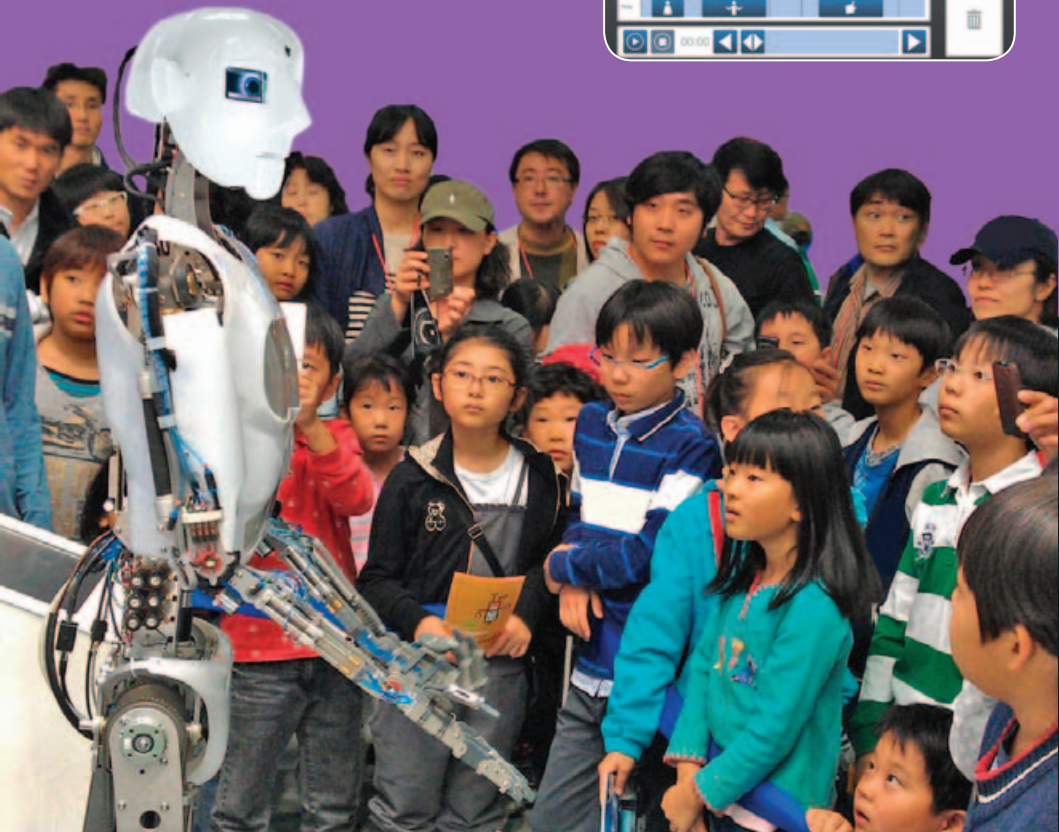
The touch-screen interface can run in most popular web browsers, so it can be remotely operated from any desktop PC, Laptop or tablet with Adobe Flash support. This means you can see RoboThespian’s camera view and make him move and talk from another room or even another country.

expandable

Add advanced features to your RoboThespian to further enhance your visitor’s experience. Choose from applications such as telepresence, movement tracking and voice interaction. Customise RoboThespian with a choice of coloured LED body lighting. Add new content or customise the touch-screen display to suit your venue.



Remote control from a tablet PC with telepresence



NEW

socibot: the social interactive robot



Advanced **facial expression** technology brings SociBot to life!

The eyes follow you around the room. His expression changes to reflect his mood.



He can be she, or any character you care to invent.

With many **interactive** features found on RoboThespian, SociBot is a great choice if your robot budget is limited or you don't have the space for a full body humanoid.



Programming SociBot is as simple as writing what you want him to say.



You can **customise** his chat engine to suit your needs, give him the answers to questions, or let him search the web for information.

FEATURES

- Smooth and versatile facial animations generated in real time.
- Voice recognition.
- Speech synthesis in more than twenty languages.
- Simple gesture recognition and person tracking.
- Simple browser based programming interface.
- All electric design for simple installation.
- Optional RFID tags to identify users by name.



the details

ADVANCED FEATURES

Telepresence

- Use the wireless headset provided to speak to your visitors and hear what they say to RoboThespian.
- Control RoboThespian’s movements and expressions using the tablet PC provided.
- See RoboThespian’s camera view on the tablet PC and select a person in view for him to look at automatically.
- Surprise your visitors by addressing them personally. “That’s a lovely red hat you’e wearing!”

Voice interaction

- Use keywords to trigger set responses – keywords and responses are user definable.
- Get answers from the internet. RoboThespian will use search engines like Wolfram Alpha, and retrieve information from Wikipedia, he can also access Google Docs and Google calender if you set up shared information for him to use.
- RoboThespian will listen and try to repeat what you say, try to catch him out with tongue twisters and rhymes.
- Ask him to sing a song, do an impression or tell a story.

Movement Tracking and gesture recognition features

- Will track multiple people with his gaze.
- Can recognise gestures, like a wave to say hello.
- Will copy a body pose with his arms.

User Customisation and content management features

- Upload audio and video.
- Create new movements with simple drag and drop.

technical specification

Please visit robothespian.com for technical specification and installation requirements.

purchase options

RoboThespian is available for Purchase, Annual Lease and Short Term Rental.

Typical setup



worldwide locations of our robots

RoboThespian is used by NASA to interact with visitors at Kennedy Space Centre. By the National Science museums of Spain, Australia, and Macau to create an exciting and dynamic visitor experience. It’s also used by Bristol Robot Laboratory in the UK and the University of North Carolina in the USA for robotic research. System integration is available from our HQ in the UK, and from our integration partner, ISAN Solution in South Korea.





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