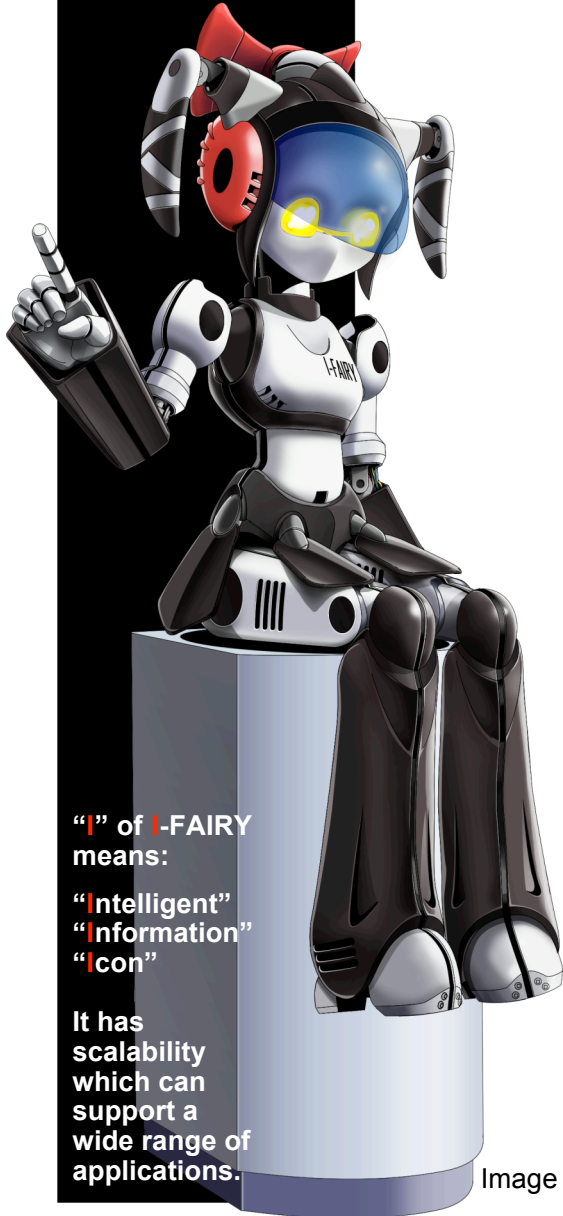


intelligent  
information  
icon

# I-FAIRY



“I” of I-FAIRY  
means:

“Intelligent”  
“Information”  
“Icon”

It has  
scalability  
which can  
support a  
wide range of  
applications.

Image design

## I-FAIRY

I-FAIRY – As its name suggests, it’s an information robot based on the image of a lovely fairy. It’s very adaptable like a fairy which can change direction quickly.

### Design concept

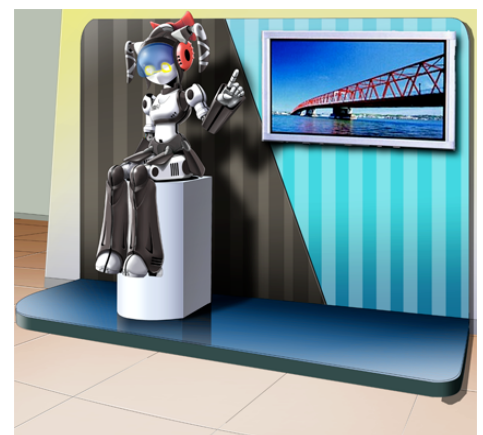
Generally it was thought that an information robot doesn’t necessarily be human-shaped so long as it has required functions. However, we stick with a human-shaped robot because we regard an information robot as a communication tool to act with human beings. We aimed at a robot which can become part of human society with friendliness and relief which cannot be fully provided by voice or signals.

### Easy generation of voice and movements

So far, professional engineers have been required to change the contents of software (voice and/or movements). However, you can change them by yourself with dedicated software which is built into I-FAIRY as standard equipment. You can update them with the latest information easily and quickly.

## Utilizing examples

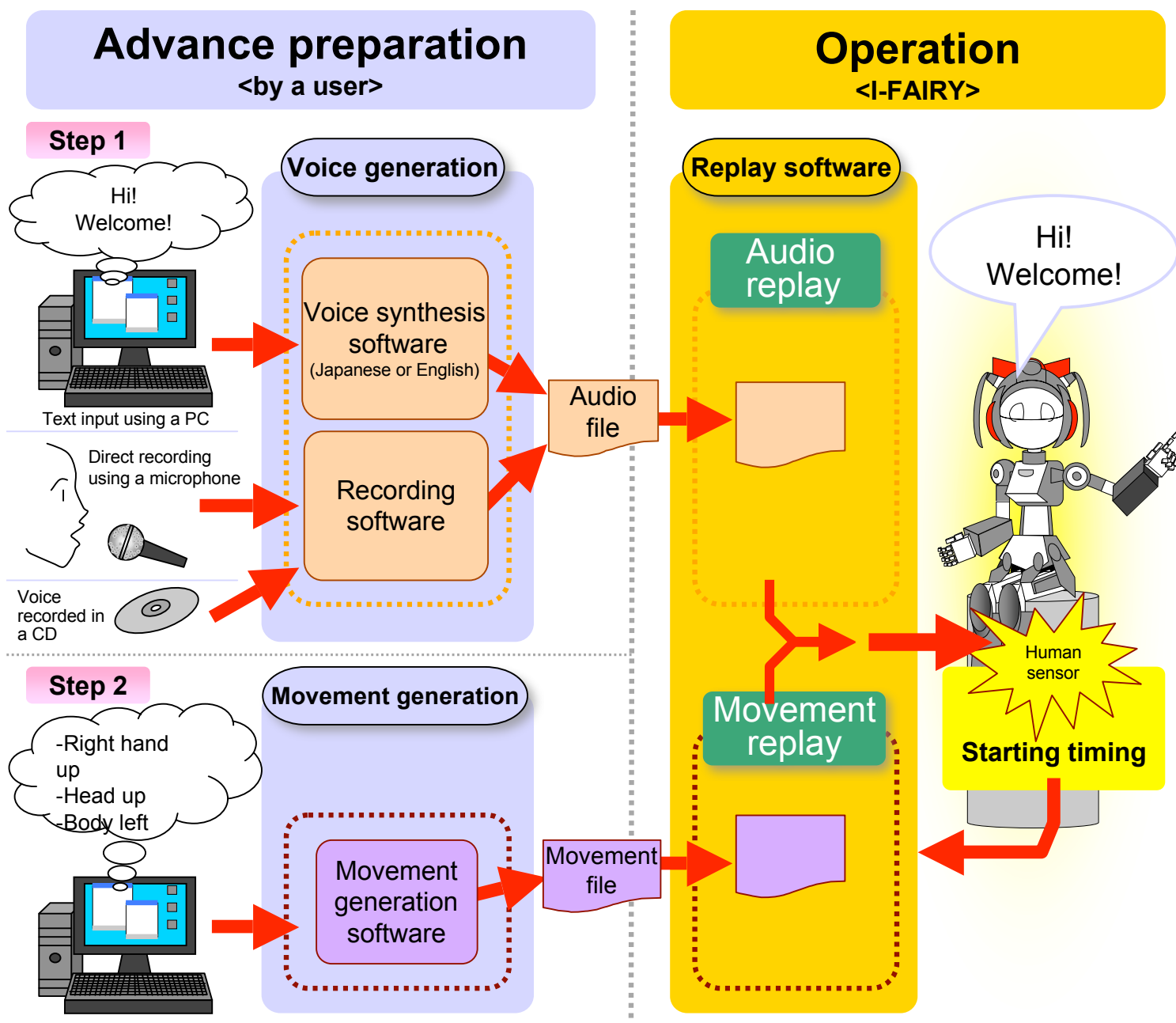
- It automatically starts audio guidance when it detects approaching visitors by human sensor which is incorporated in it as standard equipment.
- It has scalable design.
  - A start button can be mounted.
  - Dialogue engine by voice recognition can be equipped.
  - It can interact with video equipment.
- We can accept orders for movement generation separately.



\* Utilizing image (The backdrops, monitor, etc. are not included.)

# Broadened utilization with standard software (1) <Mode 1>

A user can generate the robot's voice and movements freely.



## Software

- Voice synthesis software: It generates voice from text data. (Standard equipment)
- Recording software: You can use software in the OS of your PC.
- Movement generation software: It generates the robot's movements along a time axis. (Standard equipment)

- Replay software: It replays audio and movement files at the same time. (Standard equipment)

## Broadened utilization with standard software (2) <Mode 2a>

You generate only voice by text input. You can leave movements to I-FAIRY.

Advance preparation  
<by a user>



Text input using a PC

!) You don't need to generate the robot's movements.

Operation  
<I-FAIRY>

Replay software

Audio replay

Voice synthesis software  
(Japanese or English)

Automatic movement generation software

Hi!  
Welcome!

Human sensor  
Starting timing

Automatic movement generation software

This software automatically generates human-like movements such as “nods” or “gestures” to express the “conversational rhythm” (which human beings unconsciously create) by analyzing “intervals” and “intonation” of the robot’s speech. This is a proven technology.

\* Cooperation by InterRobot Inc.

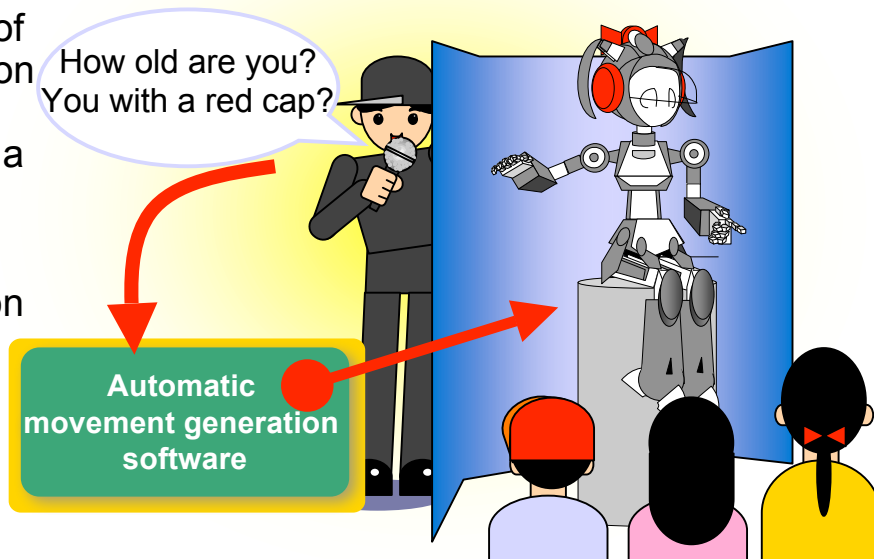
## Broadened utilization with standard software (3) <Mode 2b>

Real-time response with microphone voice. You can leave movements to I-FAIRY.

Making use of the characteristics of the automatic movement generation software (standard equipment), you can use I-FAIRY as an MC in a live event such as shown in the right figure.

I-FAIRY makes it possible to put on a show with ad-libs. Traditional robots run by predetermined programs cannot make ad-libs.

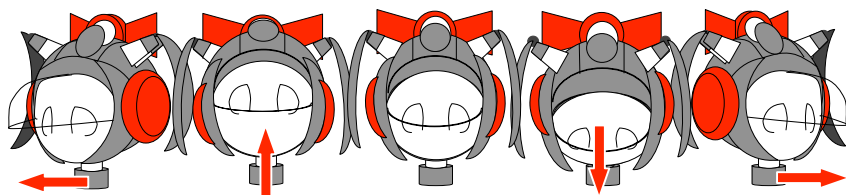
I-FAIRY can also serve as an interphone at the front desk.



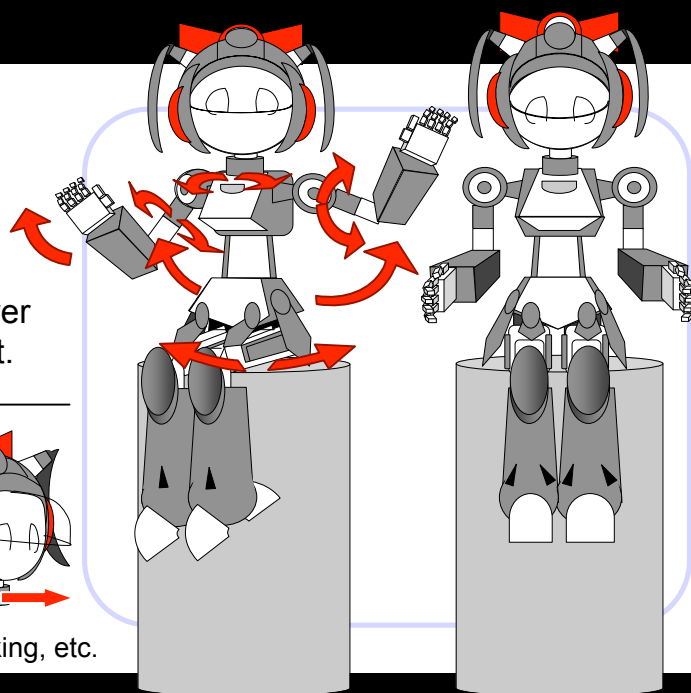
## Motion

The arm has three driving parts.  
It can make gestures such as waving its hand and reaching out its hand to a panel placed beside it.

The whole body moves right and left.  
The big motion makes it look as if it were looking over the visitors, which creates a point of purchase effect.



Various expressions: Looking over, "yes", "no", worrying, thinking, etc.



## Basic model specifications

### Movable parts

Head	Right/left rotation, up/down
Shoulders	Back/forth rotation
Arms	Right/left rotation, elbows bent
Whole body	Right/left rotation
Eyes	Light (LED)
Wrists, fingers, knees, toes	Semi-fixed, posed manually

### Dimension

Outside dimension HxWxD	1300x900x900
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### Outer finish

Robot	FRP + Gloss coating finishing
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### Sensor

Human sensor	Starts to move by sensing.
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### Control

Computer	Windows PC
Mode 1	Movement generation
Mode 2	Synthesized voice generation by text input, Automatic movement generation
Power supply	
Robot + overall control	AC100-240V 50/60Hz

### Other information

- Voice input systems such as an external microphone and audio equipment are equipped.
- Either Japanese or English can be selected for synthesized voice specification.

We can meet your demands on voice interaction, interaction with a monitor, addition of movable parts, etc.

\* As this product is under development, specifications, design, etc. are subject to change.

## Contact us

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