

MODEL

A-Lab Android PM

A-Lab
Android Premium Model



※ The image is an example

OVERVIEW

A-Lab have developed a Premium Commercial Model of their Geminoid. The premium model is available in both sitting and standing positions, and comes with controllable arms, and an operational head and torso.

It is incredibly life-like in appearance, with a completely, versatile mouth, that is able to emulate all the movements of synchronized speech (speech is not included). Make-up and hairstyling can also be applied to the face and head. The androids are, now, easier to disassemble for transportation and components can be placed in two specialized racks which adapt to meet carry-on baggage regulations, for safe air travel. A micro color-camera, with USB outlet, is mounted in one eye and provides built in operator support.

SPECIFICATIONS ANDROID BODY

Actuation	Pneumatic actuator
Degree of Freedom	44 degrees of freedom
Dimensions	W500×D280×H1650mm
Weight	Approx. 48kg

MOVING POINTS

01	Both Upper Eyelids: Open & Close	Opens and closes upper eyelids
02	Both Eyeballs: Right & Left	Moves eyeballs left and right
03	Both Eyeballs: Wide & Narrow	Brings eyeballs closer together
04	Both Eyeballs: Up & Down	Moves eyeballs up and down
05	Both Lower Eyelids: Open & Close	Opens and closes lower eyelids
06	Eyebrow: Up & Down	Lifts and lowers whole eyebrows
07	Eyebrow: Wide & Narrow	Draws eyebrows together
08	Left cheek: Up & Down	Lifts left cheek and edge of mouth
09	Right cheek: Up & Down	Lifts right cheek and edge of mouth
10	Lip: Pull	Pull closed lips sideways
11	Lip: Push	Purses lips
12	Mouth: Open & Close	Lifts and lowers jaw
13	Neck: Tilting left	Tilts neck toward left
14	Neck: Tilting Right	Tilts neck toward right
15	Neck: Turning	Turns neck left and right
16	Neck Root: Front & Back	Moves neck root back and forward
17	Body Tilt: Left & Right	Tilts upper body left and right
18	Upper Body: Front & Back	Moves upper body back and forward
19	Upper Body: Turning	Turns waist left and right
20	Upper Body: Front & Back	Bows slightly
21	Left Shoulder Bone: Up & Down	Raise and lowers left shoulder bone
22	Left Shoulder Bone: Front & Back	Moves left shoulder bone back and forward

SPECIFICATIONS VALVE UNIT

Power-supply voltage	AC100-240V
Power consumption	150W

23	Left Upper Arm: Open & Close	Lifts left upper arm
24	Left Upper Arm: Front & Back	Moves left upper arm back and forward
25	Left Upper Arm: Turning	Turns left upper arm
26	Left Elbow: Expansion & Contraction	Bends and stretches left elbow
27	Left forearm: Turning	Turns left forearm
28	Left wrist: Front & Back	Moves left wrist back and forward
29	Left Wrist: Left & Right	Moves left wrist left and right
30	Left Thumb: Bending	Bends left thumb
31	Left index Finger: Bending	Bends left index finger
32	Left Middle, Ring and Little Fingers	Bends middle, ring and little fingers altogether
33	Right Shoulder Bone: Up & Down	Raise and lowers right shoulder bone
34	Right Shoulder Bone: Front & Back	Moves right shoulder bone back and forward
35	Right Upper Arm: Open & Close	Lifts right upper arm
36	Right Upper Arm: Front & Back	Moves right upper arm back and forward
37	Right Upper Arm: Turning	Turns right upper arm
38	Right Elbow: Expansion & Contraction	Bends and stretches right elbow
39	Right Forearm: Turning	Turns right forearm
40	Left wrist: Front & Back	Moves right wrist back and forward
41	Right wrist: Left & Right	Moves right wrist left and right
42	Right Thumb: Bending	Bends right thumb
43	Right index finger: Bending	Bends right index finger
44	Right middle, ring and little fingers	Bends middle, ring and little fingers altogether

*The Premium model is offered in sitting and standing positions.

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