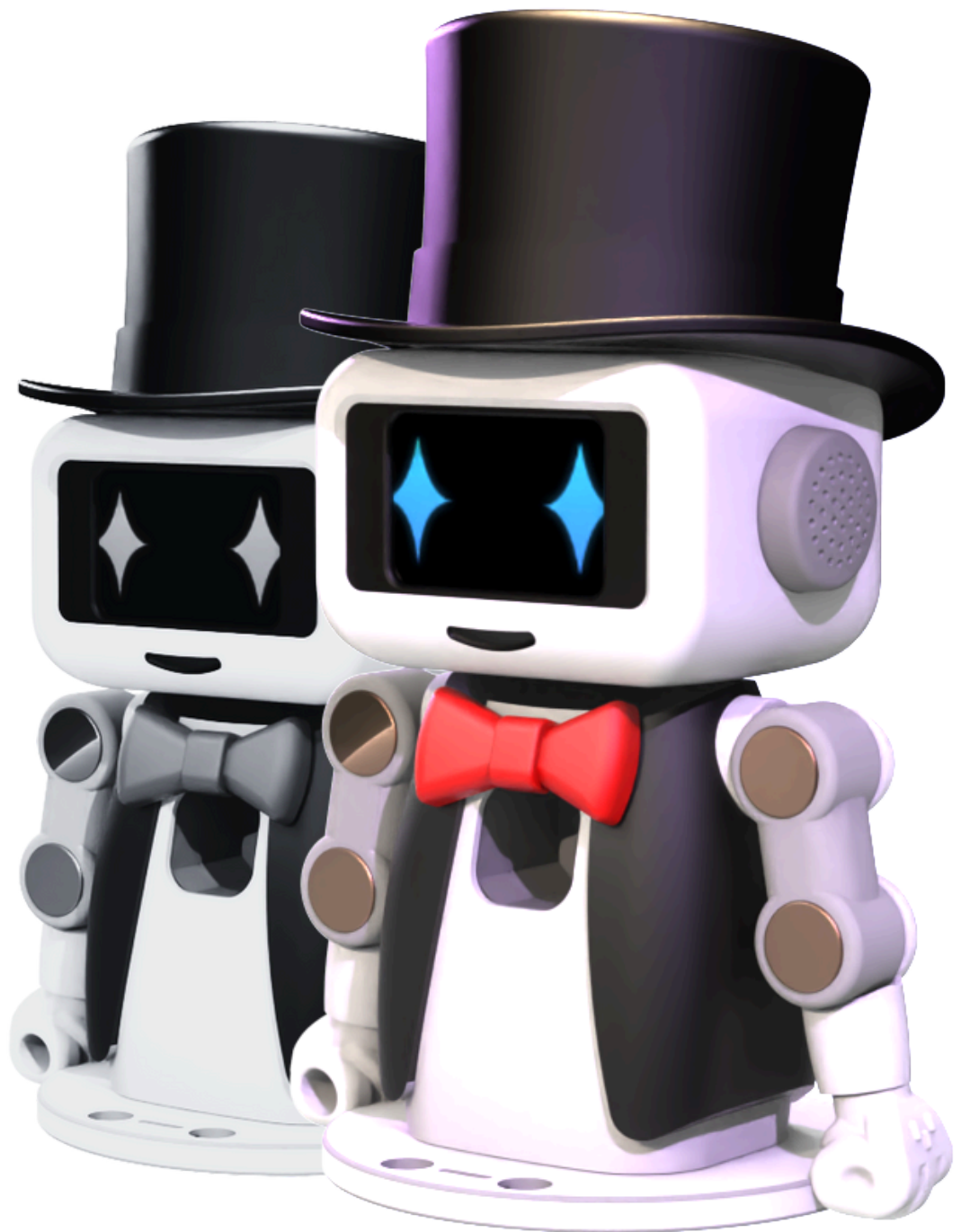
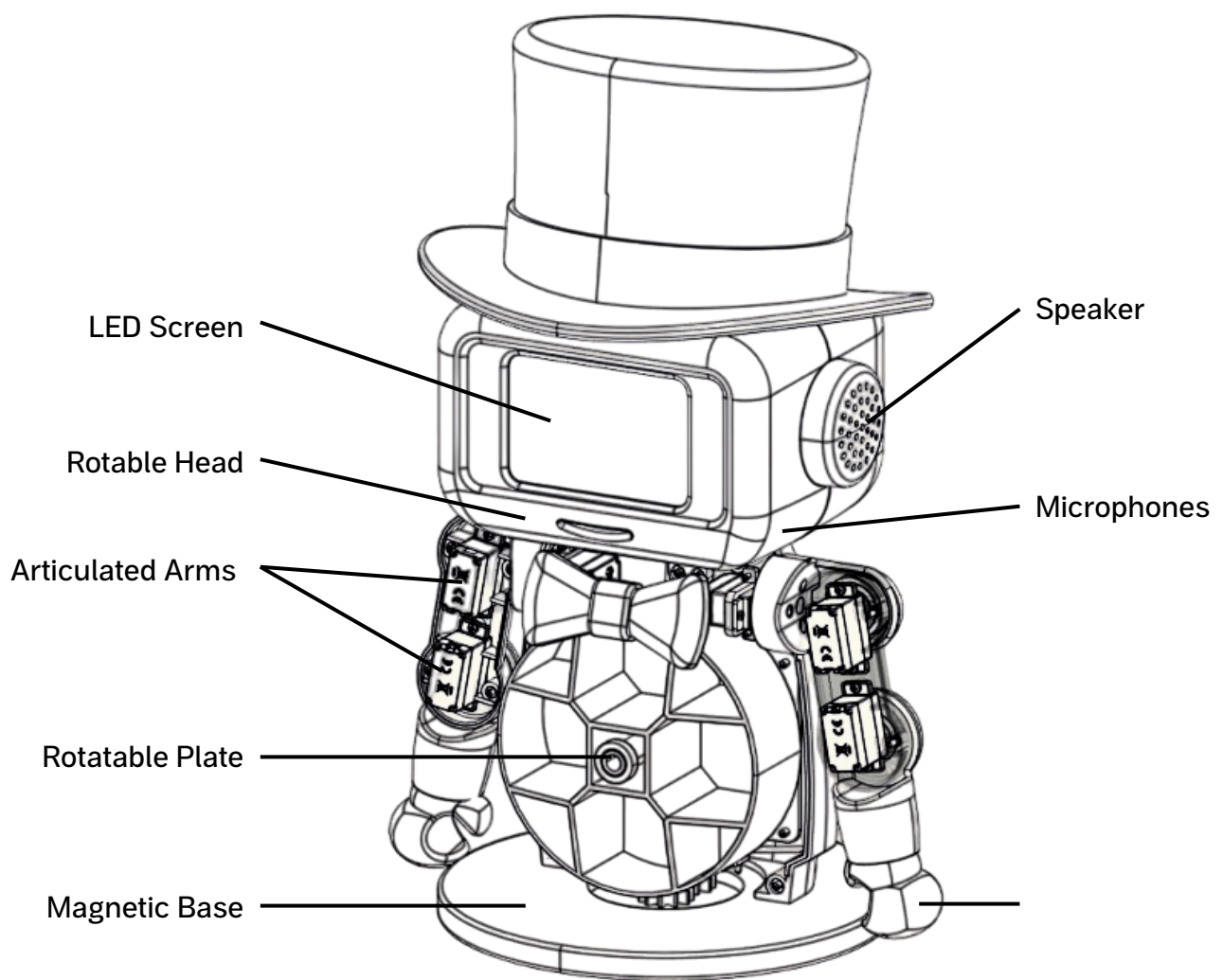


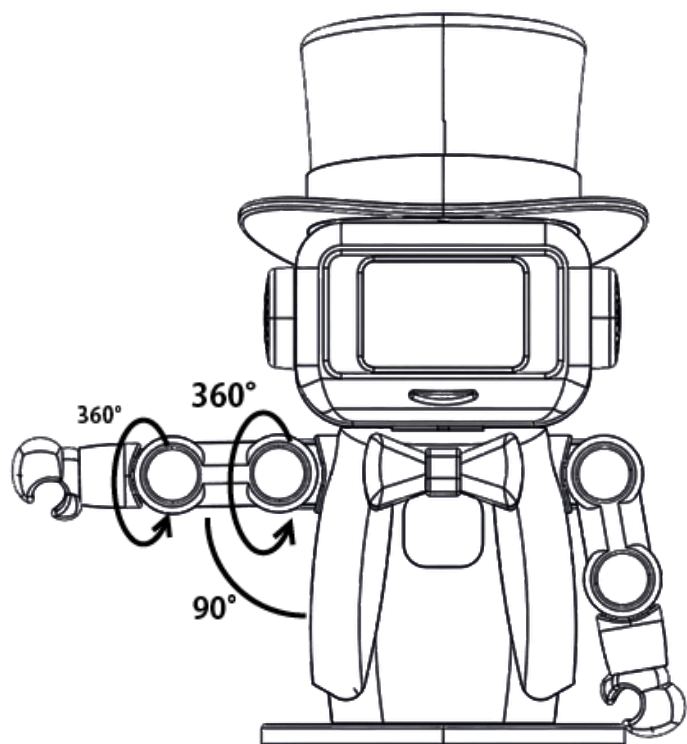
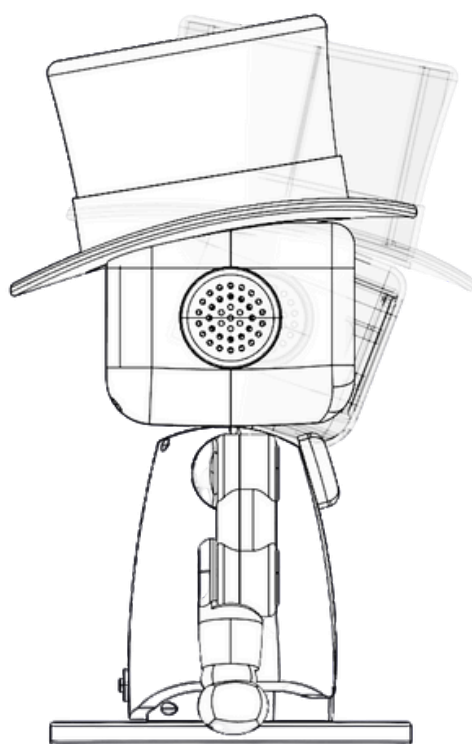
MagosMaster

USER MANUAL





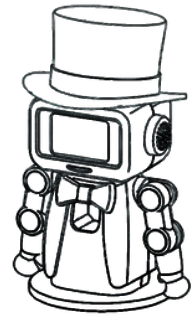
Dimensions: Height 35 cm, Width 20 cm, Depth 15 cm (approx.)



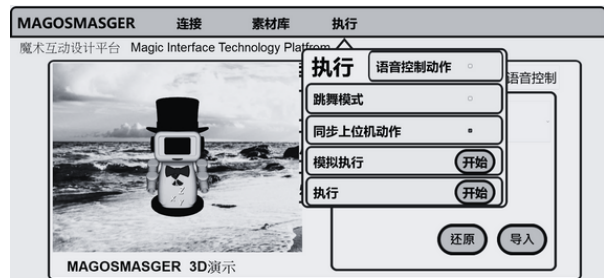
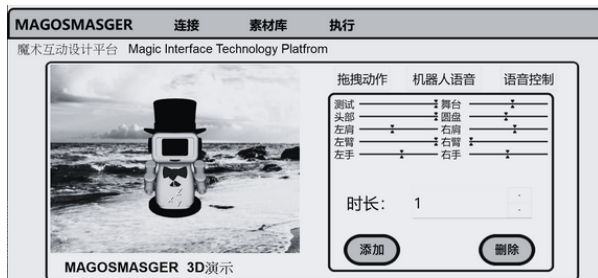
MAGIC INTERFACE TECHNOLOGY PLATFORM INSTRUCTIONS



Bluetooth

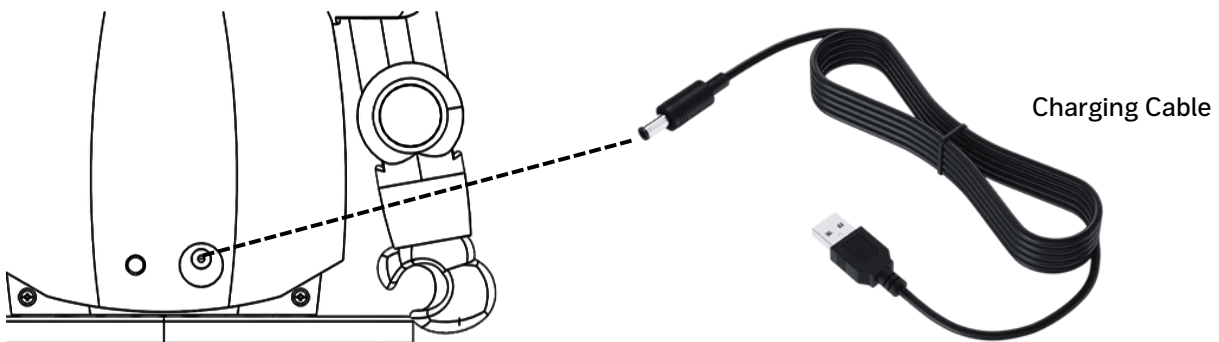


Website: Magic Interface Technology Platform
Bluetooth pairing name: test_ble



CHARGING INSTRUCTIONS

Connect the DC JACK Connector charging cable to the charging port and plug into a power source to ensure MagosMaster is always powered up.



Charging status shown via LED indicator (Red = charging, Green = full)

IDLE MODE

(After inactivity, robot enters power-saving idle mode)

Reactivation by:

Saying "Hello Magos" / Pressing the power button

SAFETY GUIDELINES

Ensuring the safe use of MagosMaster is critical for all users. Follow these guidelines carefully to prevent accidents and maintain optimal robot performance.

General Safety

1. Only use the MagosMaster robot indoors on a flat surface.
2. Keep the robot away from water, heat sources, and open flames.
3. Do not attempt to disassemble or modify the robot, as this may void the warranty.
4. Use only the supplied charging cable and adapter.
5. Supervise children under 12 years old while using the robot.
6. Ensure the robot is powered off before performing cleaning or maintenance.

Electrical Safety

1. Charge the robot in a dry, ventilated area.
2. Avoid using damaged cables, plugs, or sockets.
3. Do not immerse the robot in water or use it near wet surfaces while charging.
4. Disconnect from power if the robot exhibits unusual noises, smoke, or heat.

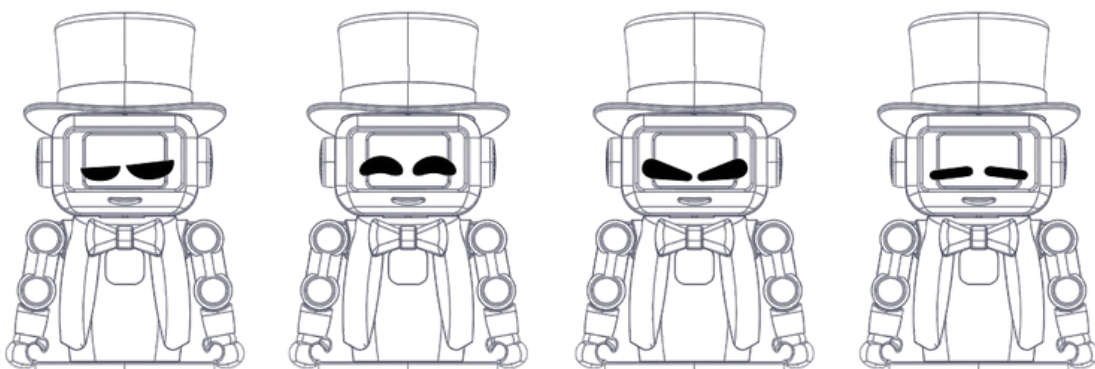
Physical Safety

1. Ensure enough space around the robot for movement therapy or dance activities.
2. Avoid placing objects in the robot's path to prevent collision or damage.
3. Keep hair, clothing, and jewelry away from moving parts.
4. Long-term use should include rest breaks, especially for elderly users.

User-Specific Safety

1. Children: Adult supervision is recommended for setup, programming, and physical activities.
2. Elderly Users: Ensure assistance is available for standing exercises or any movement therapy.
3. SEN Users: Tailor activities to the individual's cognitive and motor abilities; monitor for fatigue or frustration.

FACIAL EXPRESSIONS



MAGOS GAMES

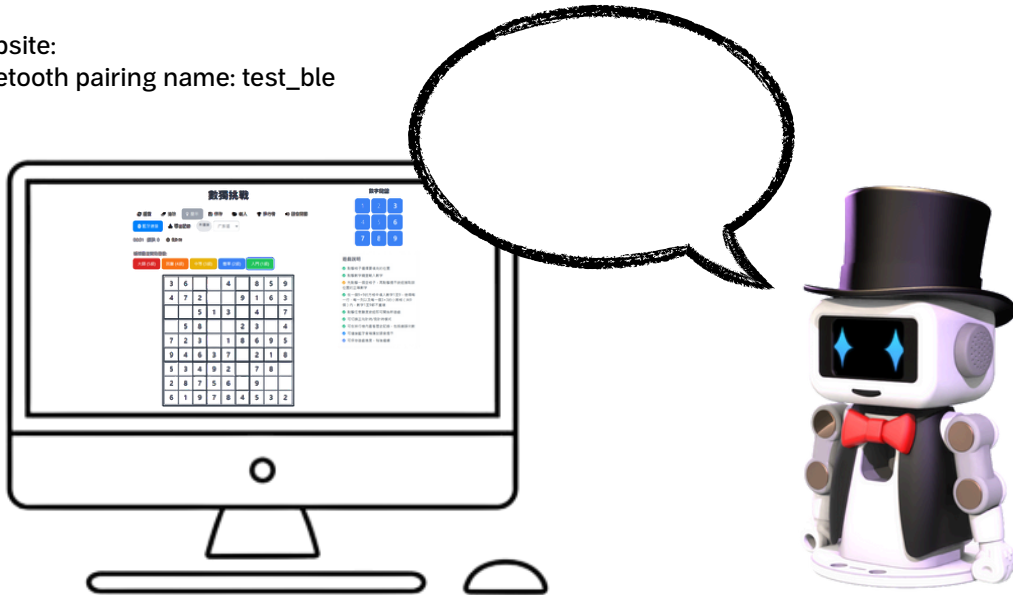
1. SUDOKU

5-minute Sudoku session for cognitive engagement.

- The caregiver provides verbal guidance while the elderly participant plays a Sudoku game.
- The caregiver selects numbers tailored to the participant's difficulty level.
- Each number selection triggers the Magos system to announce the number in Cantonese.
- Upon winning, Magos delivers a verbal congratulations in Cantonese.
- After multiple participants play, a leaderboard is displayed to encourage friendly competition.

Website:

Bluetooth pairing name: test_ble



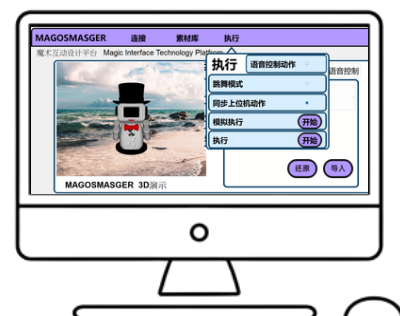
2. MOVEMENT THERAPY

Total Time: 20 minutes

- Step 1: Login (2 minutes)
 - The caregiver logs in using the therapist's account credentials.
 - Select the first senior citizen's ID from the patient list.
- Step 2: Conduct Exercises (6 minutes per senior)
 - For each senior, the Magos AI will demonstrate a movement (e.g., lifting left/right hand) at a reduced speed.
 - The caregiver provides verbal instructions to guide the senior.
 - As the senior performs the movement, the system automatically records their execution time and movement angle.
- Step 3: Review & Analysis (Post-Session)
 - The therapist can later log in to view the collected data for all three participants.
 - Data is available for export to Excel and is visualized in a bar chart for easy comparison of performance metrics.

DANCE THERAPY

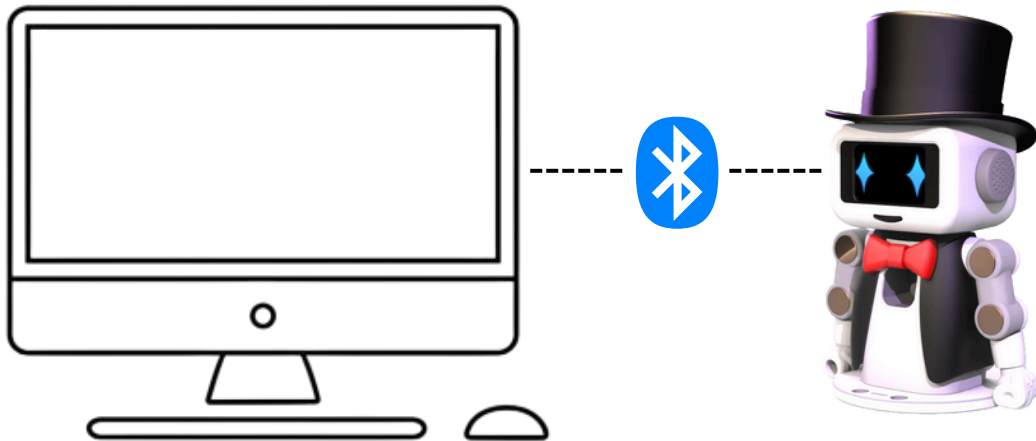
- Using built-in motion sensors, the robot can observe human posture and replicate it.
- Example exercises:
 - Arm circles
 - Shoulder movements (flexion, extension, internal/external rotation, abduction, adduction)
 - Scapula movements (elevation, depression, protraction, retraction, upward/downward rotation)
- Movements are stored in the system memory, enabling playback on command.
- Therapists can create personalized movement routines for rehabilitation.



DATA TRACKING

- Sensors record:
 - Angle of movement
 - Repetition count
 - Duration of exercise

Data is stored in session logs and can be exported to CSV/Excel for analysis.



SOCIAL INTERACTIONS

***Chat in Cantonese, play stories, and engage in conversation.

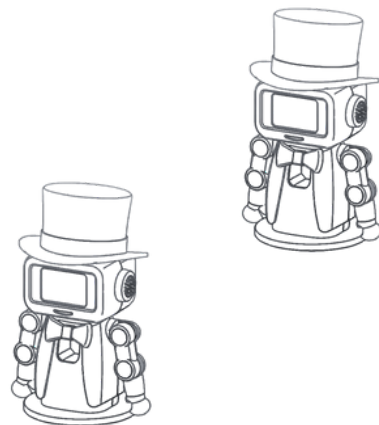
- MagosMaster can understand Cantonese and English commands such as:
 - "Raise right hand"
 - "Lower left hand"
 - "Turn head left"
 - "Dance with me"
- Upon receiving a command, the robot performs the corresponding physical gesture with 360° articulation of its arms, head, and torso.

User:

Magos:

User:

Magos:



語義標籤	命令詞	功能類型	播報語句
1	麥格麥格	喚醒詞	我在我在
2	歡迎語	歡迎語	已上電
3	休息語	休息語	，，，
4	點頭同意	命令詞	沒錯！這個魔術的奧秘就藏在細節裏哦！
5	否定	命令詞	不對哦，再猜猜看，魔術可沒那麼容易被看透！
6	揮手示意	命令詞	往這邊看，精彩的魔術馬上就要開始啦！
7	行禮	命令詞	感謝各位的到來，接下來的魔術表演請多指教！
8	雙手攤開	命令詞	咦？東西去哪了？這就是魔術的神奇之處呀！
9	歡迎	命令詞	送你一個魔術愛心，願你每天都被快樂包圍！
10	拍肩膀	命令詞	別緊張，跟著我一起走進魔術的奇妙世界吧！
11	揮手告別	命令詞	暫時先到這裏啦，下次再給你展示新的魔術哦！
12	雙手抱胸	命令詞	這個魔術的關鍵，就看你能不能發現啦！
13	雙手作揖	命令詞	希望我的魔術能給大家帶來歡樂，謝謝大家！
14	安靜	命令詞	噓！小聲點，別把魔術的秘密說出去哦！
15	側身邀請	命令詞	請過來看，這邊的魔術更精彩哦！
16	雙手放在背後	命令詞	猜猜我背後藏了什麼魔術道具？給你三次機會哦！
17	抬左手	命令詞	左手藏著一個小秘密，等下就用它變出驚喜哦！
18	抬右手	命令詞	看好我的右手，馬上就有神奇的事情發生啦！
19	抬雙手	命令詞	雙手一起發力，魔術的能量正在聚集哦！
20	打招呼	命令詞	你好！歡迎來到我的魔術世界！
21	回答問題	命令詞	讓我來為你解答這個問題，我準備好了
22	加油	命令詞	加油！讓我們一起探索更多的魔術奇跡
23	詢問動作	命令詞	你準備好了嗎？讓我看你是如何猜到這個魔術的

STORYTELLING & IDIOM NARRATION

Preloaded Idioms

- MagosMaster comes with a library of classic Cantonese idioms:
- 壽比南山 (Longevity)
- 畫龍點睛 (Finishing Touch)
- 狐假虎威 (Borrowed Authority)
- 掩耳盜鈴 (Self-Deception)

Interactive Storytelling

- Robot narrates idioms with voice + gestures every 10 seconds for engagement.
- Therapist can select "Record New Story" mode:
- User records a phrase (e.g., "壽比南山").
- Robot converts it into a narrated storytelling version in Cantonese.
- Playback includes synchronized movements.

Custom Content Upload

- Therapists can upload new idioms or stories via the MIT dashboard.
- Options to adjust gesture frequency, narration speed, and tone of voice.

CONVERSION INTERACTION

General Conversations

- The robot engages in Cantonese/English conversations for social connection and emotional wellbeing.

Functional Commands

- "香港今日新聞" → Robot reads live Cantonese news.
- "香港今日天氣" → Provides weather with temperature & rain alerts.
- "齊做呼吸運動" → Guides deep breathing exercises with visual + audio prompts.

Multi-User Interaction

- Multiple users can queue commands.
- Robot responds individually, alternating focus using both head rotation and LED screen cues.

Programming & Magic

Enhances cognitive training through engaging activities that boost memory, logic, and problem-solving skills for seniors, providing both fun and therapeutic value.

