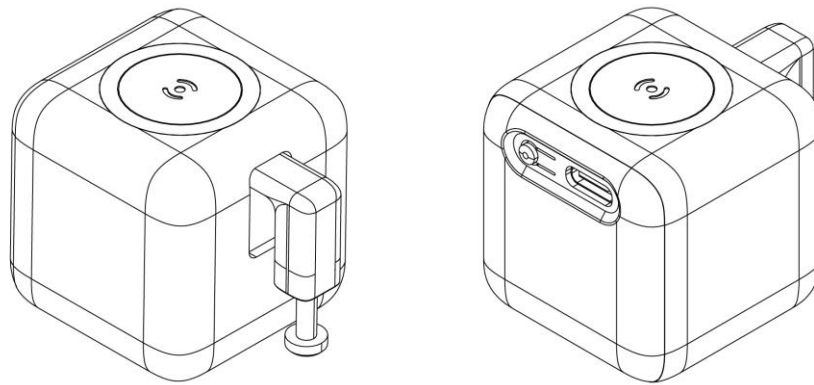


ADFBB601 Fingerbot Pro User Manual

ADFBB601 Fingerbot Pro User Manual

Product Overview

Fingerbot Pro is a new-generation intelligent pressing robot. It instantly converts all non-smart physical buttons, wall switches, elevator buttons, air conditioner (including central air conditioner) panels, access control panels, water heater knobs and more into smart devices that support App control, timed activation and voice control.

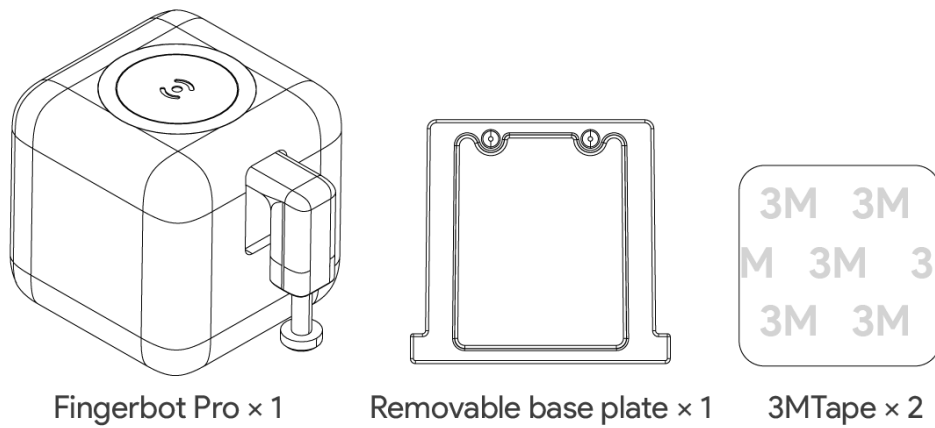


Compared with regular Fingerbot models, the Pro version adds a full RGB Halo light ring on the top. Its touch control is upgraded to proximity induction touch—you do not need to touch the device surface; just move your finger close to trigger it. In public areas like elevator buttons, restrooms and kitchens prone to dirt and bacteria, you can complete pressing operations with zero physical contact.

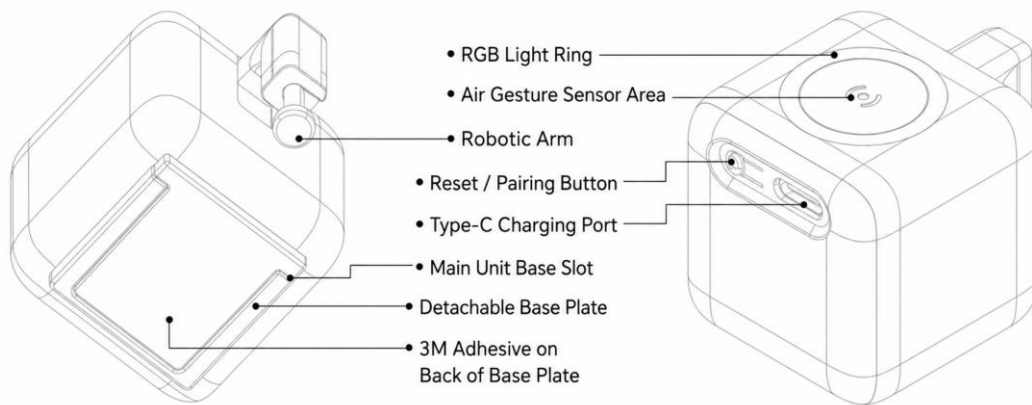
This product supports direct local control via mobile Bluetooth. For cross-region remote control or smart speaker integration, purchase a separate Tuya Bluetooth Gateway (see the "Remote Control & Voice Assistant" chapter for details).

Package Contents

- Fingerbot Pro Main Unit × 1
- Removable Base Plate × 1
- High-strength reusable 3M VHB double-sided adhesive tape × 2



Appearance & Buttons



1. **RGB Halo Light Ring:** Full-color LED beads to display statuses including proximity induction, charging and trigger actions; customizable light effects available.
2. **Proximity Induction Zone:** The entire top surface supports proximity touch. Wave or bring your finger near to trigger without contact; direct physical touch is also compatible.
3. **Mechanical Arm:** 12 mm maximum stroke, with precise adjustable downward/upward travel percentage.
4. **Reset / Network Pairing Button:** Press and hold for 5 seconds to enter pairing mode (blue light flashes).
5. **Type-C Charging Port:** A 5 V / 1 A power adapter is recommended.
6. **Bottom Main Unit Buckle Slot:** Clips onto the base plate for tool-free assembly and disassembly.
7. **Removable Base Plate:** The fixed base left on target surfaces; the main unit can be detached easily for charging.

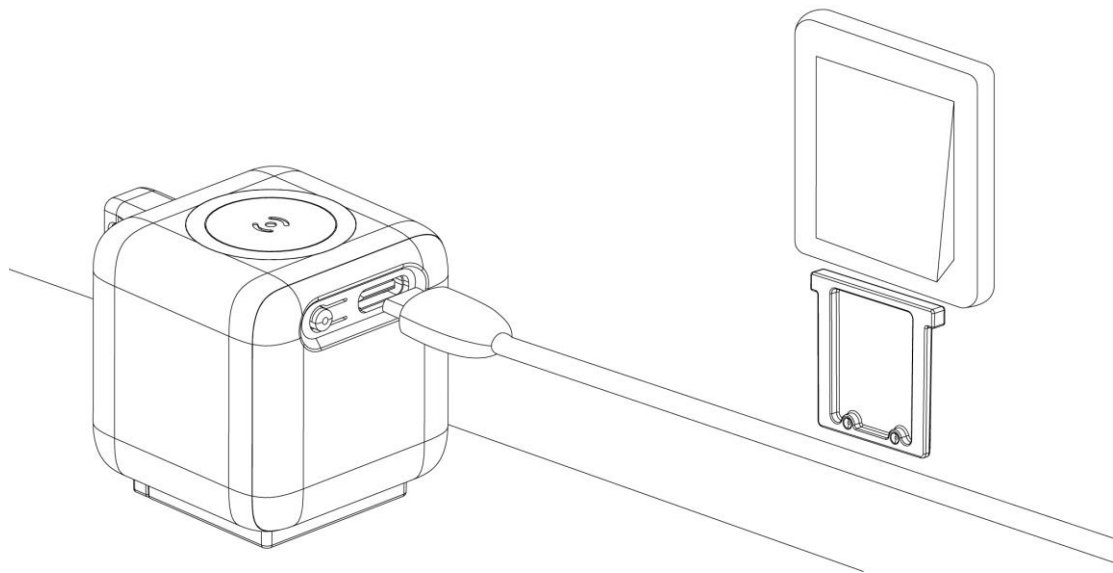
8. 3M Tape Position on Base Back: Secure the base to walls, panels or appliances with 3M double-sided tape.

Note: A Type-C charging cable is not included in the package. Prepare a standard Type-C data cable and a 5 V / 1 A power adapter for charging.

Quick Start Guide

Charging

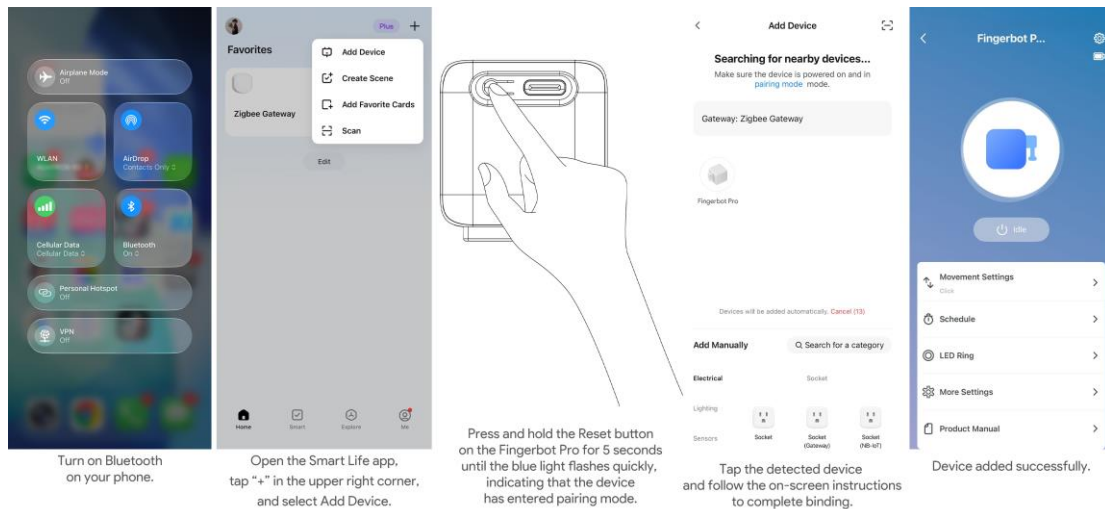
Use a self-prepared USB Type-C cable and 5 V/1 A power adapter to charge the unit upon receipt. Full charging takes approximately 2 hours. You may customize charging light effects on the "RGB Halo Light Ring" page within the Smart Life App control panel.



Note: This generation features a detachable main unit and base design. After installation, you only need to remove the main unit from the base for charging—no need to run charging wires to walls, kitchens or restrooms, just like picking up a walkie-talkie.

Add Devices via Smart Life App

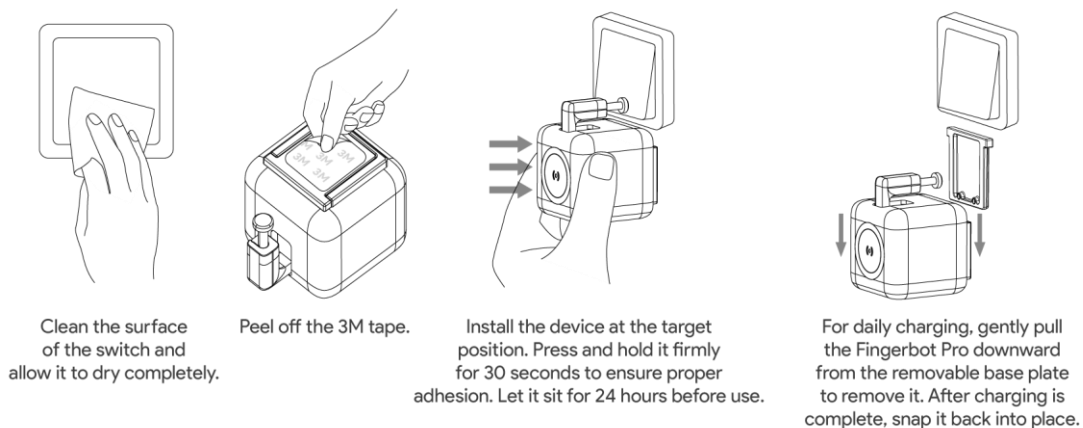
1. Turn on mobile Bluetooth and connect your phone to home Wi-Fi (local Bluetooth control works without Wi-Fi, but network connection is recommended for initial binding);
2. Open the Smart Life App, tap the "+" icon in the top right corner, then select "Add Device";
3. Press and hold the Fingerbot Pro reset button for 5 seconds until the blue light flashes rapidly to enter pairing mode;
4. The App will automatically scan nearby devices. Follow on-screen prompts to complete binding.



Device Installation

Install the main unit and base as a single assembly for first-time mounting—use the pressing arm as a directional reference to avoid pasting the base backwards. After installation, leave the base fixed in place; detach only the main unit for daily charging.

1. Thoroughly clean the target switch/button surface with an alcohol wipe and wait until fully dry;
2. Keep the main unit and base assembled (factory default state), peel off the backing of the 3M double-sided tape and attach it to the designated tape positions on the base back;
3. Remove the outer tape liner, press the combined main unit + base onto the target position, aligning the pressing arm precisely with the target button;
4. Press firmly and hold for 30 seconds for full adhesion, then leave untouched for 24 hours before first use to achieve maximum bonding strength;
5. After the waiting period, the device is ready for regular use. For daily charging, pull the main unit straight down to detach from the base; clip it back into the base's buckle slot once charging finishes.



Select Motion Modes

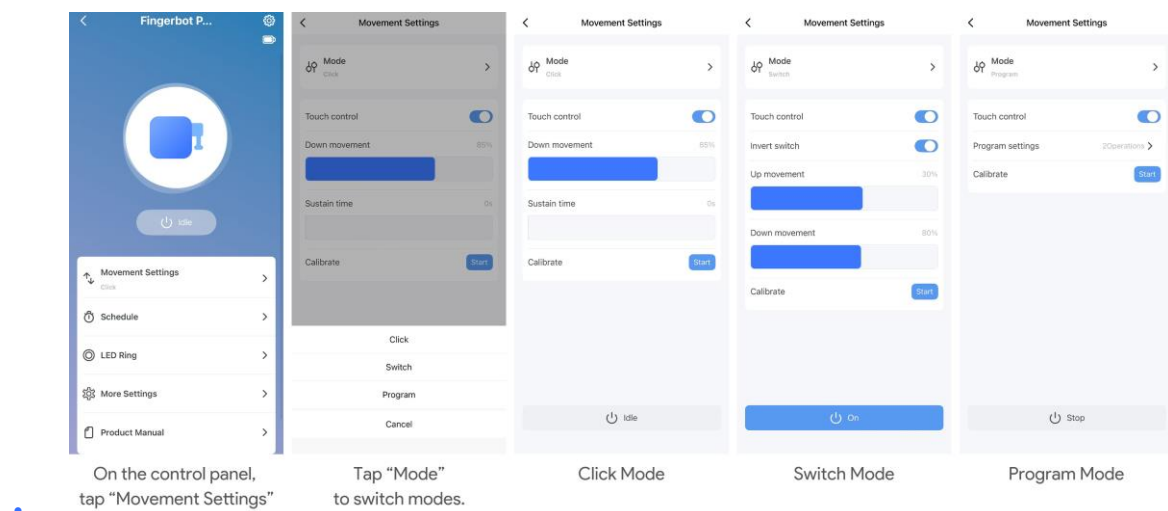
Switch between suitable motion modes in the "Motion Settings" page of the App control panel based on different usage scenarios:

- Click Mode: For switches requiring a single press (e.g., coffee machine start button, doorbell, wall panel switches).
- Switch Mode: For flat or rocker switches with distinct ON/OFF states.
- Program Mode: For complex scenarios, custom up to 8 sequential action loops (e.g., long press coffee machine for 3 seconds → wait 5 seconds → tap once more).

Add Device via Smart Life App

Adjustable parameters for all motion modes:

- Downward Travel: 51% – 100% — how deep the pressing arm descends.
- Hold Duration: 0 – 10 seconds — how long the arm stays pressed (Click Mode only).
- Touch Control: ON / OFF — enable/disable proximity trigger function.
- Upward Travel: 0% – 50% — how high the arm retracts (Switch Mode only).
- Reverse Switch: ON / OFF — only available for Switch Mode, flips up/down direction for certain rocker switches.



Device Control

Multiple Trigger Methods

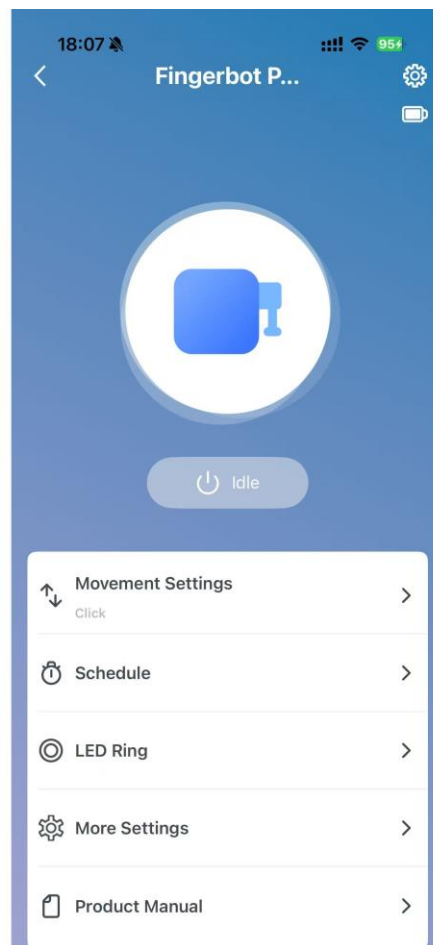
1. Mobile App: Control via Smart Life App (requires Bluetooth proximity connection).
2. Proximity Induction: Bring your hand close to the top surface to trigger without contact; works with dirty hands or gloves (no network required).
3. Local Timers: Countdown / Weekly Timers / Program Sequences stored locally

on the device, operate offline without network access.

4. Remote Control: Cross-region operation supported with an additional Tuya Bluetooth Gateway (gateway online required).
5. Voice Control: Alexa / Google Assistant voice trigger supported with a Tuya Bluetooth Gateway (gateway online required).

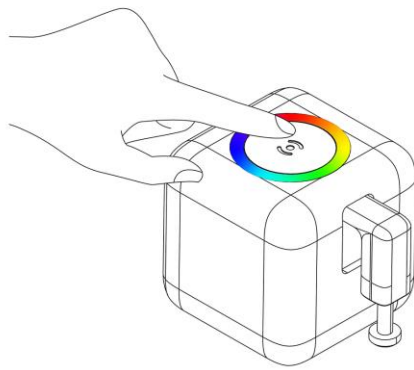
Main App Control Panel

Upon opening the panel, the App will automatically establish a Bluetooth connection, synchronize the clock and load initial device data once paired successfully. All core controls are displayed on the homepage.

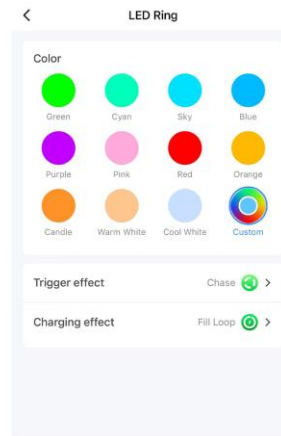


The Pro model upgrades from contact touch to proximity induction. It is enabled by default with no extra configuration needed:

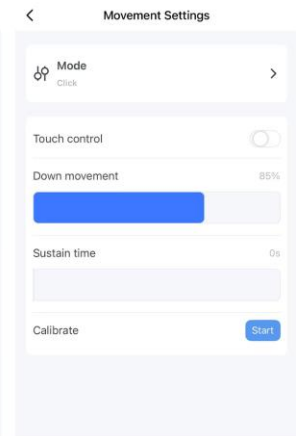
- Bring your hand within approximately 1–3 cm of the top surface to instantly trigger the selected motion mode;
- The light ring will light up with your custom color as feedback during induction;
- Disable "Touch Control" in Motion Settings to prevent accidental triggers if the function is unnecessary.



Move your hand close to the top of the product, within approximately 1 cm. The current mode action can be triggered immediately without touching the device surface.



The color of the LED Ring can be set.



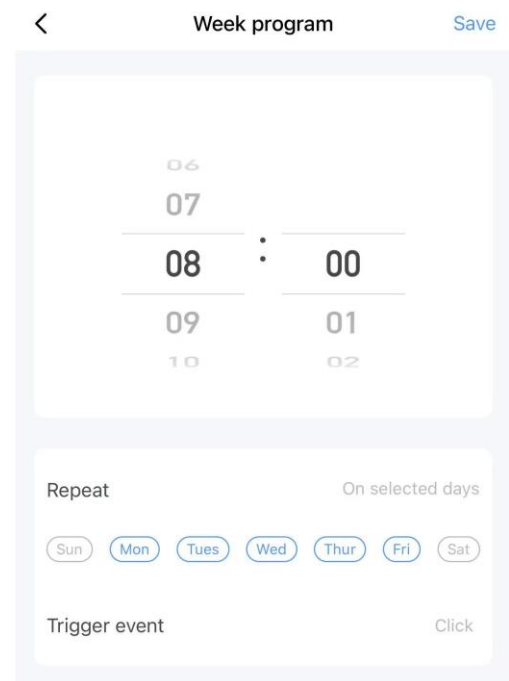
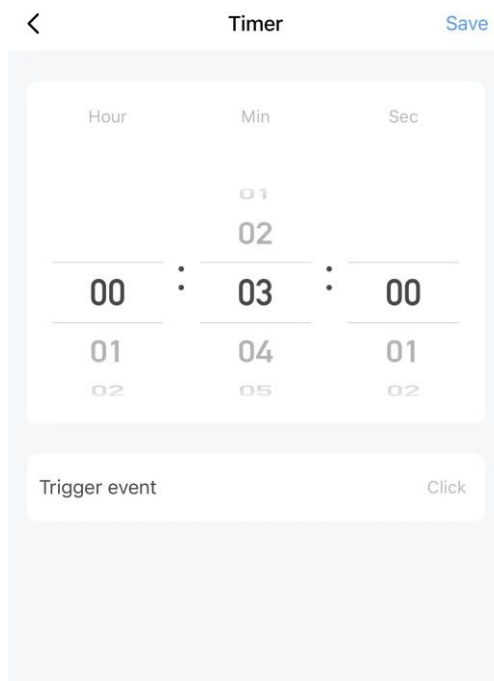
If Touch Control is not required, it can be disabled in Movement Settings.

Countdown & Weekly Timers

Proximity Induction Touch

Enter the "Timer" page on the homepage to set:

- 1 × Countdown Timer: Auto-trigger after a set duration from the current time;
- 4 × Weekly Timers: Schedule recurring actions (e.g., auto-press coffee machine every Monday, Wednesday, Friday at 08:30).

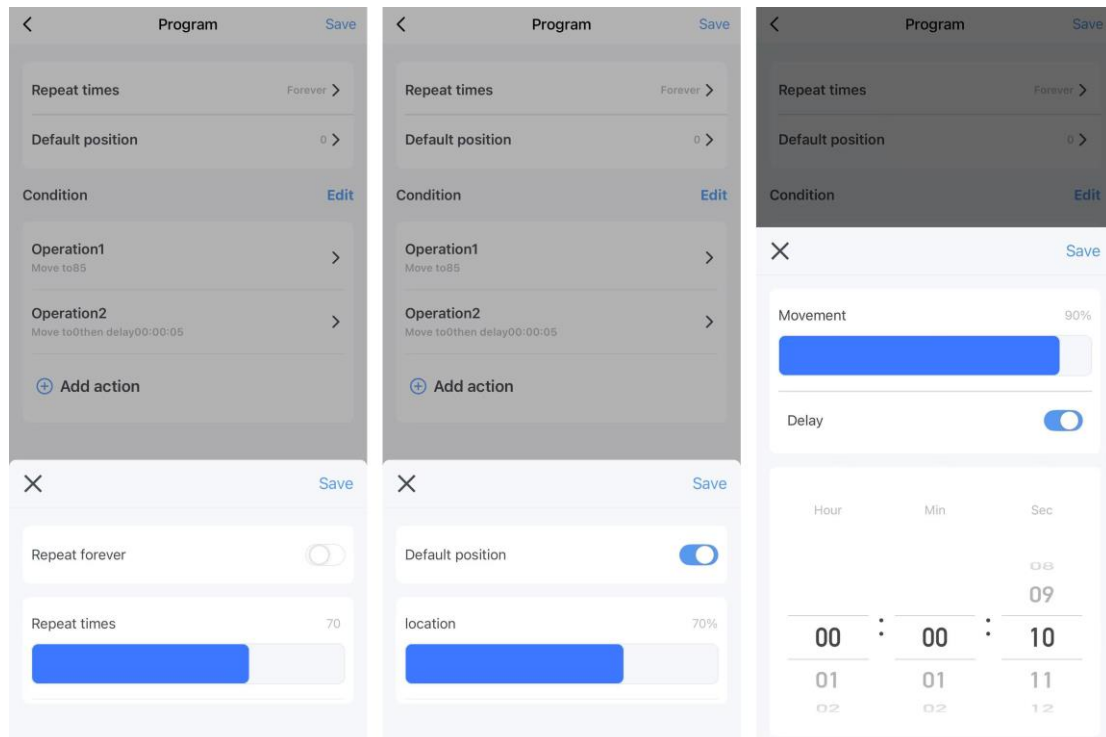


Program Mode

Switch to "Program" in Motion Settings to access program configuration. You can

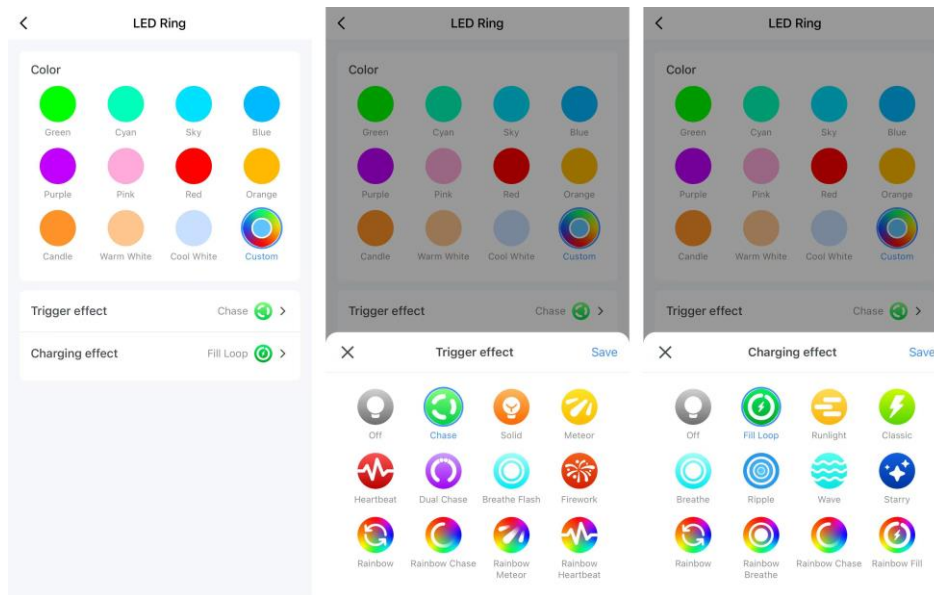
define up to 8 independent steps, each with separate settings:

Supports loop counts from 1–100 times or infinite looping, plus customizable resting arm position after the sequence finishes.



RGB Halo Light Ring

- Light Colors: 12 preset colors + customizable HSV color wheel;
- Trigger Light Effects (when the motor activates): Solid, Chase, Meteor, Rainbow, Heartbeat, Dual Chase, Breathe Flash (8 total options);
- Charging Light Effects (during charging): Classic Orange-Green, Custom Color Breathe, Running Light, Rainbow Cycle, Energy Storage Loop, Rainbow Breathe, Candle Flicker (8 total options).

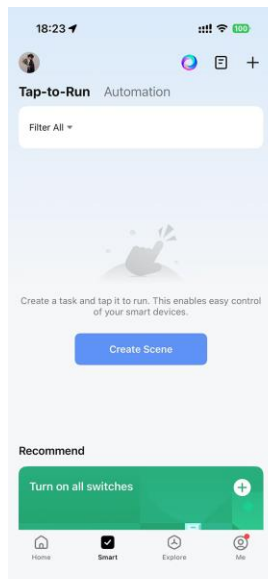


Remote & Voice Assistant Control

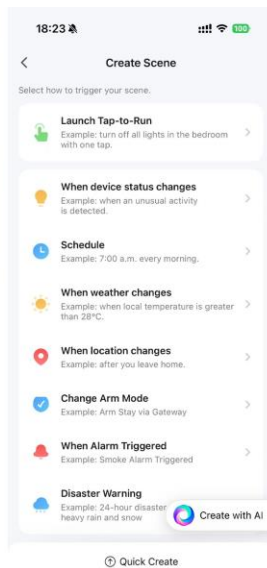
- Position (0–100%): Exact descent percentage of the mechanical arm;
- Delay (0 sec – 8 hrs): Waiting time before executing the next action.

After binding the device to a Tuya Bluetooth Gateway, you can create smart scenes to enable automation, remote control and voice operation. Once the Bluetooth Gateway connects to home Wi-Fi, the device stays online on the cloud 24/7 (Tuya Bluetooth Gateway sold separately).

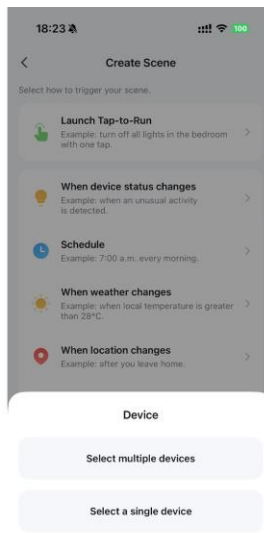
Example automation scenario: When a temperature & humidity sensor detects temperature above 27°C, the Fingerbot Pro mounted on the air conditioner panel automatically presses the power button to turn on the air conditioner.



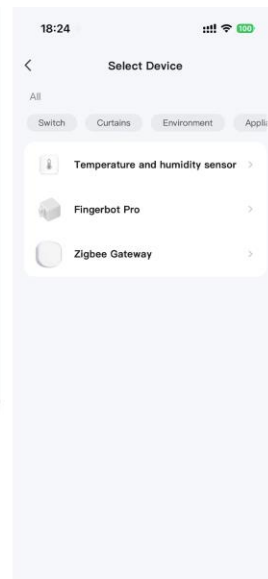
Open the Smart Life app and go to the Smart page. Tap Create Scene.



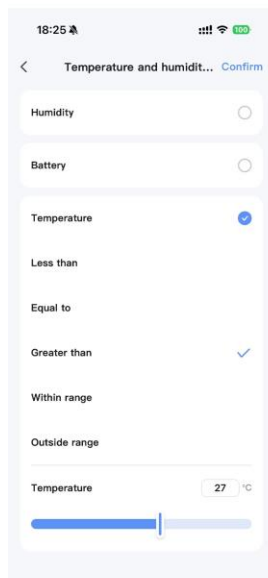
Tap When device status changes.



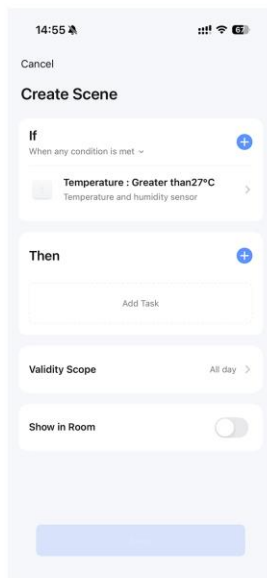
Tap Select a single device.



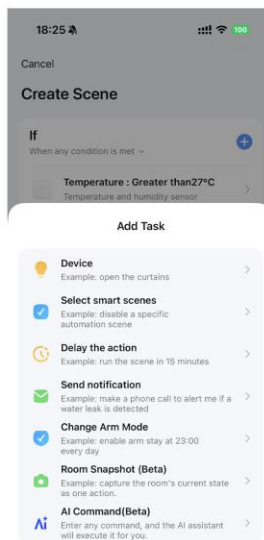
Tap Temperature and Humidity Sensor. (The Temperature and Humidity Sensor must already be connected to the app.)



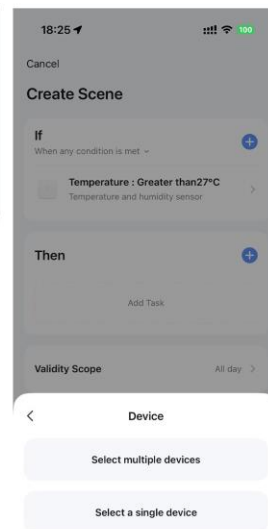
Set the trigger condition for the Temperature and Humidity Sensor, then tap Confirm in the upper right corner. (In this example, the condition is set to above 27°C.)



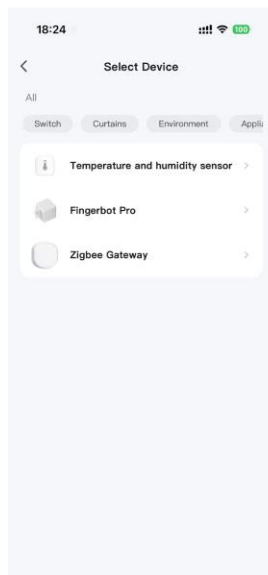
Select the device to be controlled. Tap Add Task under Then.



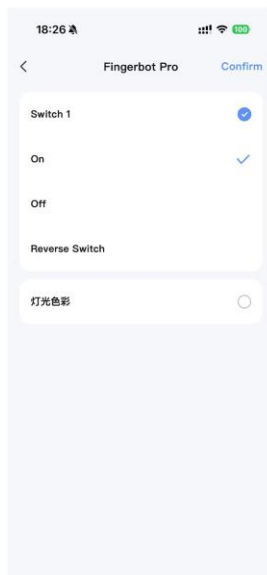
Tap Device.



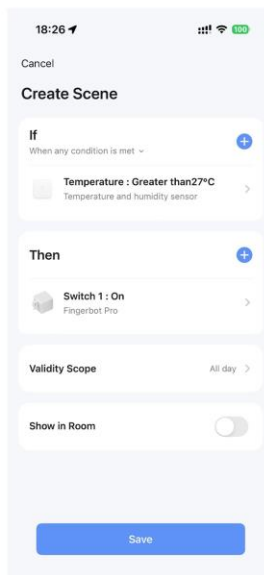
Tap Select a single device.



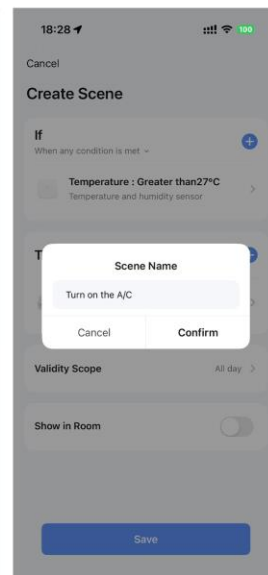
Select the device to be triggered, then tap Fingerbot Pro.



Select the action for the triggered device. Tap On, then tap Confirm in the upper right corner.



Tap Save.



Set a scene name, then tap Confirm. Tap Save again to complete the setup.

Specifications

Model: ADFBB601

Dimensions: 36×39.5×47 mm

Weight: 42 g

Max Mechanical Arm Stroke: 12 mm

Max Thrust: 10 N

Wireless Protocol: Bluetooth BLE 5.0

Cloud Platform: Tuya IoT Platform

Charging Port: Type-C

Power Input: DC 5 V / 1 A

Built-in Rechargeable Lithium Battery: 500 mAh

Full Charging Time: Approx. 3 hours

Operating Temperature: -10 °C ~ 50 °C

Operating Humidity: ≤ 80%

Light Ring: 6 full-color LED beads (RGB Halo)

Touch Method: Proximity induction touch (direct touch compatible), sensing distance ~1–3 cm

Connection Channels: Mobile Bluetooth direct connection / Relayed via Tuya Bluetooth Gateway (sold separately for remote & voice control)

Mounting Method: Removable base + 3M VHB double-sided tape; base stays fixed on surfaces, main unit detaches manually

General Warnings

This product is not waterproof; do not install underwater or in humid environments.

The device contains a lithium battery. Do not use or store it in damp or high-temperature conditions. Store in a cool dry place when not in use long-term.

Ensure no obstacles block the mechanical arm's movement range during operation to avoid motor damage caused by jamming.

Do not disassemble the unit privately. Contact ADAPROX after-sales service for repairs.

This product is only designed to assist pressing low-voltage civilian physical buttons. It must not be used for safety-critical control scenarios involving personal safety (e.g., medical equipment, industrial controls, gas valves, elevator emergency safety circuits).

"Regular pressing of elevator floor buttons" is permitted; emergency stop, fire alarm linkage and maintenance safety circuits are strictly forbidden.

This device cannot replace professional safety equipment.

Safety Warnings

Child Safety Warnings

The package contains small parts including 3M double-sided tape. Keep out of children's reach to prevent choking hazards from accidental ingestion.

Children under 12 are not recommended to use, install or charge the product without adult supervision.

Do not let children play with the Type-C charging port during charging to avoid electric shock or short circuits.

Network & Privacy Tips

FAQ

Q1: Indicator light does not flash and pairing fails?

A: Ensure the device is charged. Press and hold the reset button for ≥ 5 seconds. If still unresponsive, charge via Type-C cable for 10 minutes then retry pairing.

Q2: Mechanical arm cannot press switches properly?

A: ① Increase the resistance coefficient in Advanced Settings; ② Check mounting alignment to ensure the arm centers on the button; ③ Re-run calibration.

Q3: Base plate falls off after installation?

A: Fully clean the target surface with alcohol wipes (oil and dust severely reduce adhesion). After drying, remove tape liner, press firmly for 30 seconds and wait 24 hours before reinstalling the main unit for maximum adhesion.

Pair the device with trusted home Wi-Fi; avoid public open networks.

All uplink data is encrypted and transmitted via Tuya Cloud. You may view or revoke device authorization in the "Family Members" section of the Smart Life App.

Share device access via the App's family member function instead of sharing account passwords directly.

Q4: Can the main unit and base be detached repeatedly? Will the buckle loosen after multiple disassembly?

A: Tool-free manual disassembly is supported. The buckle has passed thousands of disassembly-reliability tests and will not loosen within the normal service life cycle.

Q5: Local weekly timer time drifts after a period of use?

A: Open the Smart Life App control panel at least once weekly for clock synchronization when using the device standalone; or purchase a Tuya Bluetooth Gateway for automatic clock calibration.

Q6: How to turn off all light effects?

A: Navigate to the RGB Halo Light Ring page in the App and set both Trigger Effect and Charging Effect to OFF.

Q7: How many mobile phones can control one Fingerbot?

A: Share device access with family members via the Smart Life App "Family Members" function for multi-user control. After connecting to a Tuya Bluetooth Gateway, cross-region remote control and voice control via Alexa / Google Assistant are available.

Warranty & After-Sales Service

This product complies with national three-pack warranty regulations valid from purchase date:

- 7-day free return for unused, undamaged products eligible for resale;
- 15-day free replacement for non-human-induced performance failures;
- 12-month free main unit warranty for hardware failures not caused by human damage.

Exclusions from Warranty Coverage

Q8: Can I control the device with Alexa / Google Assistant without purchasing a Tuya Bluetooth Gateway?

A: No. The Bluetooth connection will disconnect once you leave home or lock your phone screen, so smart speakers cannot trigger the device. To achieve 24/7 online status and voice speaker control, you must purchase any Tuya BLE relay Bluetooth Gateway and connect it to home Wi-Fi.

- Products beyond the warranty period;
- Damage caused by human factors such as dropping, squeezing, water ingress or unauthorized disassembly;
- Damage from improper use (e.g., non-5 V/1 A chargers, forced operation with jammed mechanical arms);
- Lithium battery is a consumable component covered under a 6-month limited warranty only;
- 3M double-sided tape is a disposable consumable and not covered by warranty;
- Base plate wear from regular disassembly is not covered; structural defects on base plates within 12 months are eligible for replacement.

Please retain your purchase receipt. Contact ADAPROX official after-sales via the "Help & Feedback" section in Smart Life App or scan the QR code on the manual back cover for support.

Main App Control Panel

Upon opening the panel, the App will automatically establish a Bluetooth connection, synchronize the clock and load initial device data once paired successfully. All core controls are displayed on the homepage.

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The Pro model upgrades from contact touch to proximity induction. It is enabled by default with no extra configuration needed:

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Countdown & Weekly Timers

Enter the "Timer" page on the homepage to set:

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Program Mode

Switch to "Program" in Motion Settings to access program configuration. You can define up to 8 independent steps, each with separate settings:

- Position (0–100%): Exact descent percentage of the mechanical arm;
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RGB Halo Light Ring

- Light Colors: 12 preset colors + customizable HSV color wheel;
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Remote & Voice Assistant Control

After binding the device to a Tuya Bluetooth Gateway, you can create smart scenes to enable automation, remote control and voice operation. Once the Bluetooth Gateway connects to home Wi-Fi, the device stays online on the cloud 24/7 (Tuya Bluetooth Gateway sold separately).

Example automation scenario: When a temperature & humidity sensor detects temperature above 27°C, the Fingerbot Pro mounted on the air conditioner panel automatically presses the power button to turn on the air conditioner.

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This device cannot replace professional safety equipment.

Child Safety Warnings

The package contains small parts including 3M double-sided tape. Keep out of children's reach to prevent choking hazards from accidental ingestion.

Children under 12 are not recommended to use, install or charge the product without adult supervision.

Do not let children play with the Type-C charging port during charging to avoid electric shock or short circuits.

Network & Privacy Tips

Pair the device with trusted home Wi-Fi; avoid public open networks.
All uplink data is encrypted and transmitted via Tuya Cloud. You may view or revoke device authorization in the "Family Members" section of the Smart Life App.
Share device access via the App's family member function instead of sharing account passwords directly.

FAQ

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Warranty & After-Sales Service

This product complies with national three-pack warranty regulations valid from purchase date:

- 7-day free return for unused, undamaged products eligible for resale;
- 15-day free replacement for non-human-induced performance failures;
- 12-month free main unit warranty for hardware failures not caused by human damage.

Exclusions from Warranty Coverage

- Products beyond the warranty period;
- Damage caused by human factors such as dropping, squeezing, water ingress or unauthorized disassembly;
- Damage from improper use (e.g., non-5 V/1 A chargers, forced operation with jammed mechanical arms);
- Lithium battery is a consumable component covered under a 6-month limited warranty only;
- 3M double-sided tape is a disposable consumable and not covered by warranty;
- Base plate wear from regular disassembly is not covered; structural defects on base plates within 12 months are eligible for replacement.

Please retain your purchase receipt. Contact ADAPROX official after-sales via the "Help & Feedback" section in Smart Life App or scan the QR code on the manual back cover for support.

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance 20cm between the radiator and your body: Use only the supplied antenna.