WINDOWBUDDI

User Manual

Important Safety Precautions

Read all instructions before operating this device.

WARNING

1. Fasten the safety rope and tie to an indoor fixture before operating the device.
2. Check if the safety rope is broken or the knot is loose before operating the device.
3. A power cord must be used for the ROBOT to function properly.
4. For windows with no balcony, a warning area must be established on the ground below to prevent people from coming near it.
5. The battery must be fully charged (green light ON) before using.
6. Do not use on rainy or humid days.
7. Turn power on before putting device onto window.
8. When placing the appliance onto window, make sure it sticks to the surface before removing the supporting hand.
9. Remove the device before turning the power off.
10. Make sure to put the cleaning cloth onto the device correctly to avoid air leakage.
11. Do not spray or pour water onto the device.
12. Prohibit children from using this device.
13. Remove any obstructions on window. Do not use on cracked window. Reflective or coated window may be scratched during operation by dirt on the window.
14. Keep hair, loose clothing, fingers, and all body parts away from the openings and moving parts.
15. Do not use in areas containing flammable or combustible liquids or gases.
16. Only fill the water tank with fresh water or ROBOT window detergent, Other detergents are not allowed.
17. Empty the water tank before putting the device away.

Product Description

WindowBuddi has AI Technology embedded that calculates paths and auto-detects window edges; you can clean your windows as easy as in one touch. WindowBuddi also brings revolutionary bio-mimicry technology into play! The new patented invention carries double water tank along with an ultrasonic water spray nozzle which nebulizes water to 7μm mists then sprays it evenly on glass like the effect of human exhales on glass surface. WindowBuddi is very water-conservation and eco-friendly, it can clean more than one square meter area with just one milliliter water or detergent. Additionally, the easily-replaceable microfiber cloth not only attracts dirt into fibers but also absorbs water to offer smear-free finish. WindowBuddi, make your life better!

Product and Accessories

- Robot x 1
- Adapter x 1
- AC power cord x 1
- DC extension cord x 1
- Remote control x 1
- Water filling bottle x 1
- Microfiber polishing cloth x 3
- Safety rope x 1
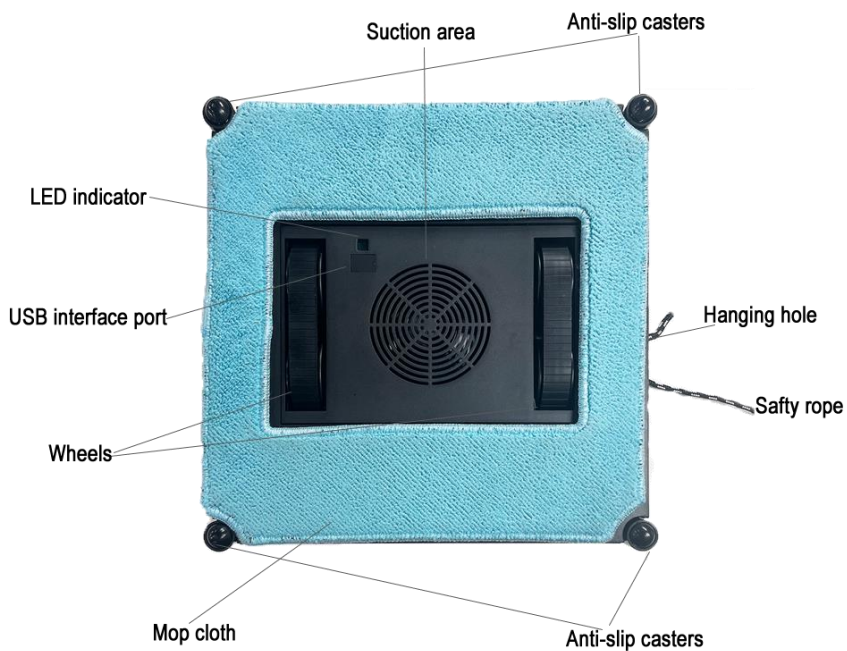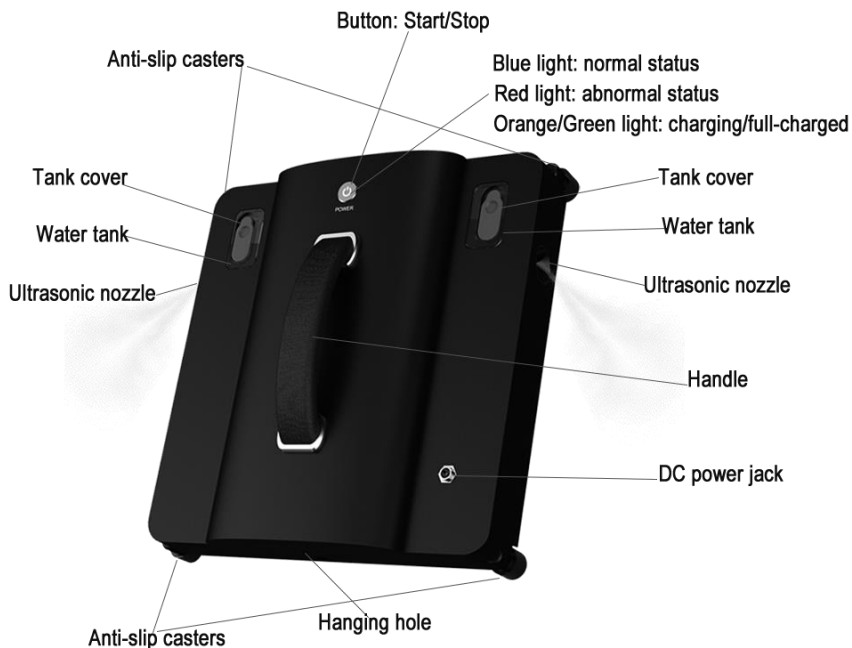- User manual x 1

Product main features

- For any kind thickness glass
- AI Technology
- 3 kinds of automatic operation modes for cleaning entire window
- UPS (Un-interrupted Power System) support 40mins after power outage
- Anti-dropping control algorithm, safty rope double protection
- Auto detect edges of window
- Micro-fiber cloth for deep cleaning different surfaces
- High strength safety rope (150Kgf)
- Return to start postion after finishing cleaning
- Tuya smart app control, operate it conveniently
- OTA Upgrade the firmware version
- Super low noise won't affect daily life
- Ultra-thin body could working on narrow outside windows
- Walking belt-cleaning modes make users maintain the robot clean better
- Dual-side water spray make robot sprays in front of it when any modes
- Water spray modes support auto or manual, eco-friendly design

Specifications

Product size	245 mm x 245 mm x 89 mm (LWH) (9.6 in x 9.6 in x 3.5 in)
Product weight	1.3 Kg (2.8 lbs)
Gift box size	320 mm x 255 mm x 105 mm (LWH) (12.6 in x 10.0 in x 4.1 in)
Total gift box weight	2.5 Kg (5.5 lbs)

Input Voltage	100~240VAC, 50Hz~60Hz
Adapter output	Minimum 24V/3.0A
Power consumption	72 W
AC power cord length	1.2 m (3.9 feet)
DC extension cord length	4.0 m (13.1 feet)
Safety rope length	4.5 m (14.8 feet), Strength:150 Kgf
Water tank capacity	50 ml (left 25ml + right 25ml)
Nozzle type	Ultrasonic, 160 ± 5 Khz (Kilo Hertz)
Water particle size	7-8 μm (Micrometer)
Battery	Li-Ion, 4x3.7V
Battery working time	$>$40 minutes
Battery life	2 years
Cleaning speed	1.1 min/m^2 (6.6 sec/ feet2)
Noise	64 dB
Maximum cleaning area	Height: 6.0 m (20 feet) Width: 6.0 m (20 feet)

Overview

Button: Start/Stop

Anti-slip casters

Blue light: normal status
Red light: abnormal status
Orange/Green light: charging/full-charged

Tank cover

POWER

Tank cover

Water tank

Water tank

Ultrasonic nozzle

Ultrasonic nozzle

Handle

DC power jack

Anti-slip casters

Hanging hole

Suction area

Anti-slip casters

LED indicator

Hanging hole

USB interface port

Safty rope

Wheels

Mop cloth

Anti-slip casters

Get Started

Step 1. Preparing

    (1) Do not use the device on rainy or humid days.

    (2) For windows with no balcony, a warning area must be established on the
        ground below to prevent people from coming near it.

    (3) Check to see if the safety rope is broken or if the knot is loose.

    (4) Fasten the safety rope and tie to an indoor fixture before operating if
clean outside of higher floor window.

Step 2. Connect the adapter and DC extension cord to ROBOT correctly.

Power adapter

DC Plug

L-shape connector

Step 1

Step 3:
Connect AC cord
to AC power port

Step 2
Plug into DC power jack

DC extension cable
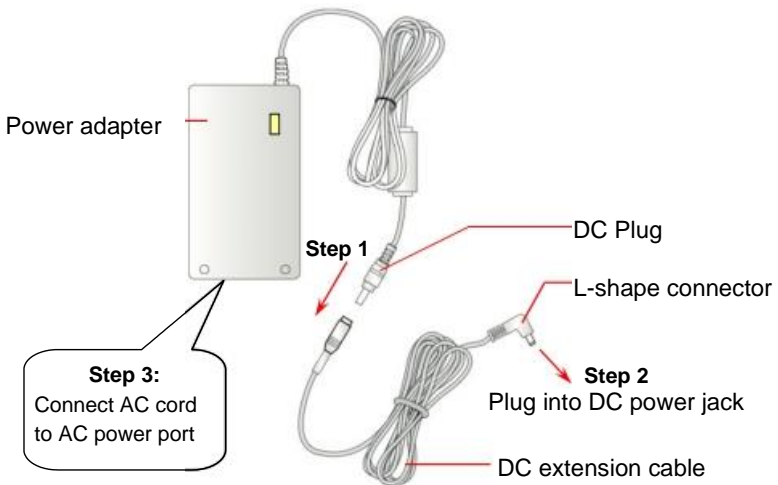
Step 3. Make sure the battery is fully charged (green light ON) before using:

    (1) Plug it into a power source. Orange light ON means charging.

    (2) Green light ON means the battery is fully charged.

Step 4. Make sure to put the cleaning cloth onto the device correctly to avoid air
     leakage.

    (1) ROBOT has 4 detective sensors for detecting glass edge. These
        sensors cannot be covered by cleaning cloth like pictures as shown.

    (2) Put cleaning cloth onto device flatly and do not let cloth cover the
        caterpillar wheel and these four sensors.

    (3) Check to see if the safety rope is broken or if the knot is loose.

    (4) Fasten the safety rope and tie to an indoor fixture before operating if
        clean outside of higher floor window.

4 detective sensors
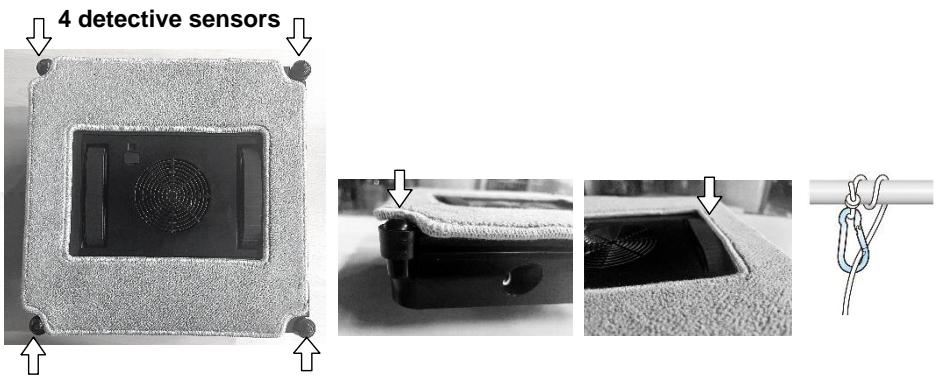
Step 5. Fill the two water tanks with fresh water and tighten the tank lid fully after filling.

Step 6. Place your robot on the glass.

    (1) Turn power switch on make sure fan is working.

    (2) Put device onto window and keep 10cm away from the window frame.

    (3) Check the robot sticks to to the window before releasing it.

    Warning: the robot must be placed on a window with an orientation of 15 to 90 °.

    Otherwise it could get into error and not work

Step 7. Operate the robot via different methods

    (1) Click the button of the robot, start "N" cleaning with auto-spray mode

    (2) Operate the robot by remote control, you could press central button or "Z"

    "N" "Z/N" button to start the robot's auto cleaning modes

    (3) Connect it by your mobile phone, need active Bluetooth and download

    "Tuya smart" APP then connect it and operate by the APP.

Step 8. Finish cleaning and remove the robot

    (1) After cleaning completed, move the robot to the down edge of the window.

    (2) Hold the handle firmly and power off the robot

    (3) Remove the robot from the windows to a safe area

UPS (Uninterruptible Power System) Function

(1) The UPS function will be enabled automatically when no electric power is supplied. The backup time of this UPS is 40 minutes.

(2) If no electric power is supplied, the device will stop automatically, sound an alert, and flash a red light. The user should take the device down from the glass as soon as possible.

(3) The safety rope can be used to pull the device back. Gently pull the safety rope at an angle close to the glass to prevent it from falling off.

Maintenance

● When the device easily slips on the surface of window, it is because belts are stained with accumulation of dust after using. Please follow 3 steps below.

Step 1: Turn the device upside down.

Step 2: Press remote control button ⟨🔄⟩, the device's caterpillar belts continually rotate for your better clean up the dirts and dusts on the belts.

Step 3: Customers use cloth clean caterpillar belts and keep cloth in the middle of belts to avoid cloth being jammed in the belts. If cloth is jammed, users can press the same button to stop and draw it out.

Frequency: Before each use

● Clean the four corner detective sensors
   Use a clean and dry soft cloth to clean these four
   sensors. Frequency: Before each use

● Replace or wash the mops when the mop is too dirty,
   Make sure when you use it next time it won't too dirty
   Or too wet (after wash it should dried before use.)

Cleaning Tips

● Dusty windows must be cleaned with a dry-cleaning cloth or with the device without turning on the spraying function.

● If there is water or detergent on the cloth or window, the water or detergent will mix together with the dust or dirt to become mud. Thus, dusty windows must be cleaned with dry- cleaning cloth as the first step of cleaning wondows, no water or detergent is needed, exterior windows especially.

● **Use ROBOT on sunny days or days with low humidity for best results.**

● **The surface of window with water molecules becomes slippery and has white streaks left on the window so it is not suggested using the device to clean exterior windows on rainy or high humidity days.**

Remote Control

Robot can be remote controlled from nearby space, it's 2.4G type.
To replace the battery, just pull down the battery cover.
Make sure install AAA batteries before you use it.

| Button Icon	Function	Robot's Light Status
	Auto-spray water mode actived button Press can swith auto or manual spray mode	Blue light flashing when auto-spray, blue light always on when manual
	Manual spray water button Press once, robot spray once	Blue light always on
	Up cleaning button, press once, the robot go to the top then stops	Working blue light on, stops white light on
	Down cleaning button, press once, the robot go to the bottom then stops	Working blue light on, stops white light on
	Left cleaning button, press once, the robot go to the left edge then stops	Working blue light on, stops white light on
	Right cleaning button, press once, the robot go to the right edge then stops	Working blue light on, stops white light on
	Start N mode/ Pause cleaning/ Continue cleaning button	Working blue light on, stops white light on
	"Z" cleaning mode, robot go up to down in "Z" cleaning path automatically, and return to start point after finishing cleaning task.	Working blue light on, stops white light on.
	"N" cleaning mode, robot go up to down in "N" cleaning path automatically, and return to start point after finishing cleaning task.	Working blue light on, stops white light on.
	"Z/N" cleaning mode, robot go up to down in "Z" then go left to right cleaning path automatically, and return to start point after finishing cleaning task.	Working blue light on, stops white light on.
	Stop button, once press this button, the robot will stop currently cleaning.	Robot stop the light will be white. Standby status.
	Wheel belt cleaning button. When robot power off, place it flat with the bottom c facing up and press it once, the robot will start the belt cleaning mode, press it again and it will stop.	Robot will show charging light. Orange(charging) or Green.(full of charged)

Three different automatic cleaning paths diagram shown as below.
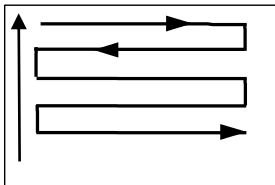
Auto Z mode
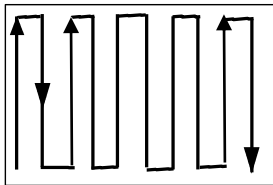
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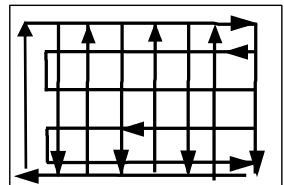
Auto Z/N mode

Set Up The Robot With Tuya Smart App.

Step 1. Scan QR code or search "Tuya Smart" on the App Store or Google Play to download Tuya Smart App on your smart phone or tablet.

Step2. Active Bluetooth and open Tuya Smart App.

Step3. Turn on the robot and Add Device automatically. Robot shown on TUYA App.

Make sure both your Tuya Smart App and the robot are on, so you can use your iOS or Android smart mobile to operate the robot conveniently.
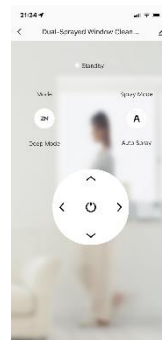
LED Indication

Situation	LED indication/Sound
1.Auto-Spraying function is on	Blue LED is flashing
2.Manual Spraying function is on	Blue LED is always ON
3.Battery charging	Orange LED is ON
4.Battery charged full	Green LED is ON
5.No electrical power	Red LED flashing Sound: repeat beep
6.Hardware error	Red-LED flashing Sound: beep 3-8 times
7.Robot stops/standby	White LED is on

Frequently Asked Questions (FAQ)

Q1: When the power switch is turned on, the fan does not rotate, and no any beep sounds.

Case	LED indication / Sound	Situation and Solution
1. Battery voltage is too low	Blue: flash Red: off Orange: on Sound: no beep	It means battery charge is too low. Wait for battery to fully charge (green light is on). If machine still can't be used after charging for 5 hours, the battery should be replaced.
2. Hardware failure	Blue: flash Red: flash Sound: beep	Machine hardware failure. Please contact a local retailer or local authorized dealer for repairs.

Q2: When the power switch is turned on, the fan is rotating, Blue-LED is lighting, Red-LED is flashing, with repeat beep sounds.

Ans: No electrical power supplied. Please connect and check power cord, adapter, and the device.

Q3: When the power switch is turned on, ROBOT can't start up by remote control.

Case	LED indication / Sound	Situation and Solution
1. Pressure not enough	Blue: on Red: flash one time Sound: single beep	The vacuum pressure is not enough. User could re-attach cleaning cloth onto device again, or change a new cleaning cloth.
2. Remote control failure	Blue: on Red: off Sound: no beep when press remote key	Remote control failure. Please contact a local retailer or local authorized dealer for repairs.

Q4: The ROBOT slips and cannot detect the upper frame of window in "N" mode.

Ans: (1) Press ▷|| or (STOP) to stop, switch to ▽ manual mode to lower the half of the device and then switch to "N" mode again.

or, (2) Press ▷|| or (STOP) to stop, switch to ▽ manual mode to lower the half of the device and then switch to "Z" or "Z/N" mode.

Q5: ROBOT cannot finish cleaning the whole window and stops in the middle area.
Ans: Press ▶❙❙ or "Z"or " N"mode to continue cleaning.

Q6: ROBOT slips and cannot reach the top of window.
Ans: (1) The cleaning cloth already got heavy dirt or too wet. It shall change cleaning cloth.
   (2) The caterpillar belt might be too wet or got heavy dust. It shall clean caterpillar belt.
   (3) Spray two or three times water to the mop or on the window surface in front of the robot running.

Q7: ROBOT does not move smoothly, or it moves irregularly.
Ans: (1) Cleaning cloth is too dirty. Please change a clean-cleaning cloth and clean again.
   (2) Window surface has different friction factor areas due to glass stickers, window film, and so on. Please limit use the ROBOT to certain areas of the window.

Q8: What to do if ROBOT stops due to a power outage?
Ans: (1) User can pull ROBOT back with the safety rope. Gently pull the safety rope at an angle close to the glass to prevent it from falling off the window.
   (2) Switch the power switch to "off".
   (3) Check whether there is a poor connection or broken cord.

Q9: What to do if ROBOT unexpectedly stops and the red light is flashing, with no alarm sounding?
Ans:(1) User can move ROBOT to safe area by remote control, or pull ROBOT back with the safety rope. Gently pull the safety rope at an angle close to the glass to prevent it from falling off the window.
   (2) Remove obstacles on the window surface.
   (3) Check whether there is air leakage caused by a gap or uneven window frame.

Q10: The ROBOT cannot spray water.
Ans:(1) Check if you have turned on the spraying function.
   (2) Clean the surface of the ultrasonic nozzle with a soft, dry and clean cloth.
   (3) Ask the wholesaler to change water tank if Answer (1) and (2) are inapplicable.

Safety Information About Adapter/Battery

- Use only the power adapter supplied with this device. Use of other types of power adapters will result in malfunction and/or danger.
- Please use a proper electrical outlet and make sure no heavy objects are placed on the power adapter or the power cord.
- Allow adequate ventilation around the adapter when using it to operate the device. Do not cover the power adapter with objects that will reduce ventilation and cooling.
- Do not use the adapter in a humid environment. Never handle the adapter with wet hands.
- Connect the adapter to a proper power source. The voltage requirements are listed on the adapter.
- Do not use a broken adapter, power cord, or plug.
- Do not attempt to service the adapter. There are no service parts included. Replace the whole unit if it is damaged or exposed to high moisture. Consult your ROBOT dealer for help and maintenance.
- The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not disassemble, short the contacts, heat above 60°C (140°F), or incinerate.
- If you have to dispose of old equipment, please take it to the local recycling center for recycling electrical and electronic parts.
- Please charge the battery every 3 months to conserve the battery life.

General Safety Information

- Retain the safety and operating instructions for future reference.
- Follow all operating and use instructions.
- Do not expose your device to rain or excess humidity, and keep it away from liquids (such as beverages, faucets, and so on).
- Avoid exposing your device to direct sunlight or sources of intense light, and keep it away from sources of heat (such as radiators, space heaters, stoves, and so on).
- Do not place the device in the vicinity of strong magnetic fields.
- Keep the device and accessories away from children.
- Product operating temperatures: 0°C~40°C (32°F~104°F).
- Product storage temperatures: -10°C~50°C (14°F~122°F).

Cleaning Cloth Laundry Instructions

- Washing under 40°C (104°F)
- Do not bleach
- Do not tumble-dry
- Do not iron
- Do not dry clean
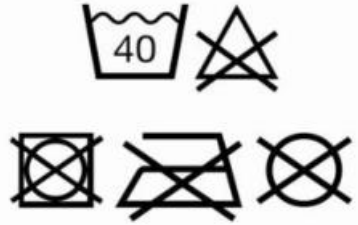
Limited Warranty

If there are defects in your WindowBuddi window cleaning robot due to faulty materials, poor workmanship, or malfunction within the warranty period from the date of purchase or delivery, please contact a local retailer or local authorized dealer for repairs or replacement.

Not Covered By Warranty

- Normal wear and tear (e.g. cleaning cloth, safety rope, water tank, etc).
- Reduction in battery discharge time due to battery age or use.
- Damage caused by assembly or installation that is not in accordance with the instructions included with the WindowBuddi.
- Damage caused by using the window cleaning robot for anything other than normal domestic household purposes.
- Damage caused by using parts and accessories which are not specified by WindowBuddi.
- Damage caused by accidents, abuse, or misuse.