



Accessories & Consumables Of Pudu CC1

Comprehensive usage guide for CC1
accessories and consumables in different scenarios





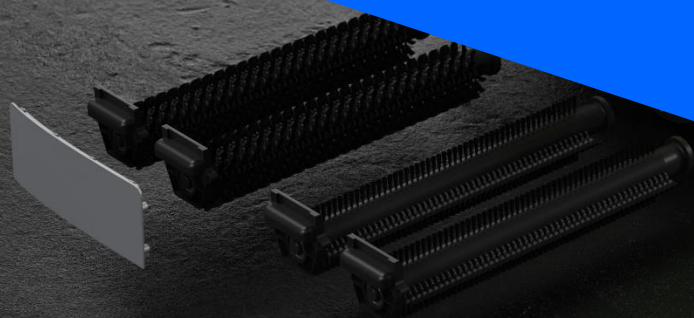
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INTRODUCTION

How can Pudu CC1 help in your industry?

Create a clean, sanitary, safe and comfortable working, living and production environment. This is to protect the health of employees and consumers, ensure the quality and safety of products, and improve work efficiency and production efficiency.



Retail

CC1 solves problems such as high cleaning frequency, limited cleaning time, and large cleaning area through fully automatic timing tasks and 4 cleaning modes, which helps to improve customers' shopping experience, maintain brand image, and create a safe and comfortable shopping environment.



Industrial Facility/Warehouse/Logistics

CC1 solves the problems of large cleaning area, 24h uninterrupted cleaning, stubborn wheel marks left by AGVS, and high cleaning requirements, like: clean rooms, through fully automatic cleaning, automatic water supply and drainage and recharging, so as to ensure a clean production environment, improve production efficiency, and reduce pollution risks.



Hospitality

CC1 can perform high-frequency dry dust mopping in the hotel lobby, cross-floor vacuuming in the guest room corridors, and daily cleaning in other public areas and swimming pools to provide a clean and comfortable environment for guests.



Residential & Office Buildings

Integrated with elevators achieve automated cleaning across floors, regularly scrubbing for the hard floors in the lobby, and vacuum the short-wool carpet areas, the working volume <70dB so that don't disturb everyone's life, providing a comfortable and professional environment.



Healthcare

In addition to the built-in emergency stop button and excellent obstacle avoidance system, additional more comprehensive safety protection, such as: adding a warning light mode, safety mode, etc., reduces the risk of cross-infection and protects the health and safety of patients and medical staff.



Education

Cute appearance, excellent obstacle avoidance navigation system, can be used as a teaching tool to stimulate students' interest in science during class, and can be used for cleaning work at night after class. One Robot has two uses.



Entertainment & Sport

The industry is usually open 24 hours a day, and the floor is easily contaminated by sweat, dust, bacteria, etc. If the floor is not fully dried during manual cleaning, it may increase slip and safety hazards. CC1 can easily remove dirt and water stains and reduce the risk of slips



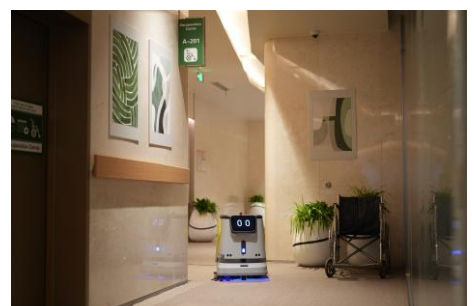
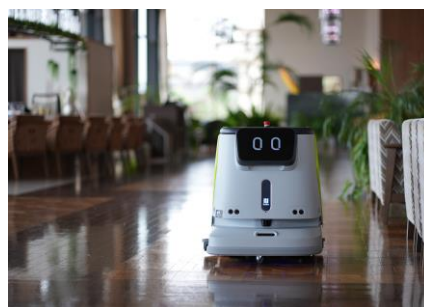
Transportation & Related Service

Vast ground space, busy places with many people, the ground is easily got dirty. Traditional manual cleaning mode can be very time-consuming and have limited effectiveness. CC1 can quickly and efficiently clean large areas, saving time and cleaning costs.



Public Service

CC1 can automatically and quickly complete cleaning tasks without human intervention, and can perform continuous high-intensity work, greatly saving cleaning time and improving work efficiency.



Consumables Guides



Consumables Guides

Finding the right consumables to work

Choosing the right consumables for your flooring material and type of stain helps CCI to clean to a high standard and with high efficiency.

>>> Squeegees



Squeegee Rubber – Red

Suitable for a variety of floor types, excellent wet abrasive performance makes it more wear-resistant and longer life when wet cleaning



Squeegee Rubber – Blue

Achieve high oil and chemical resistance along with excellent abrasion resistance on all types of floor surfaces.

>>> Roller Brush



Sweeping Roller Brush – Low-density bristles

Ideal for dry cleaning such as sweeping, vacuuming, and cleaning relatively hard flooring materials and short-haired carpets.



Scrubbing Roller Brush – High-density bristles

Ideal for wet cleaning such as scrubbing, and cleaning relatively common hard flooring materials.



Universal Sweep & Scrub Roller Brush – Medium-density bristles

Suitable for both dry and wet cleaning, no need to change brushes when switching between wet and dry-cleaning modes.



Hard Scrub Roller Brush – Red

A more abrasion-resistant roller brush, recommended for deep cleaning of rough floors and dirty environments.



Soft Scrub Roller Brush – White

A softer roller brush, recommended for light cleaning of non-abrasive floors, e.g. high-grade marble, coated tile surfaces, wooden floors.

>>> Side Brush



Sweeping Side Brush – Standard

Shorter rubberized side brushes, recommended for regular floor and carpet cleaning scenarios.



Sweeping Side Brush – Longer

Longer & Denser bristles are recommended for hard floor cleaning in low, shallow areas with overhangs, such as areas under shelves.

Consumables Guides

Squeegee material selection guide

Right squeegee, Right floor, Right cleaning mode, For high quality cleaning at any time.

	Squeegee Rubber – Red  •95% natural rubber •Excellent resistance to cutting and tearing •Resistance to a wide range of Chemicals	Squeegee Rubber – Blue  •100% polyurethane •High oil and chemical resistance, High abrasion resistance
>>> Floor Type		
Brick Pavers	•	
Ceramic Tile, Glazed and Unglazed Quarry Tile	•	
Concrete, Polished & Unpolished	•	
Cork	•	
Granite	•	
Laminate	•	
Linoleum	•	
Luxury Vinyl Tile (LVT)	•	•
Marble	•	
Slate	•	
Terracotta	•	
Wood	•	
Vinyl Composite Tile (VCT)	•	•
Polyvinyl Chloride (PVC)	•	•
Electrostatic Discharge (ESD)	•	•
Poured Epoxy Anti-slip		•
Rubber		•
>>> Special Circumstances		
Noise: eliminates chatter, squeaking or foghorn		•
Oil or grease on floors: causes rubber squeegee to become wavy		•
Low water cleaning: experiencing diminished water pick-up or resistance when pushing scrubber		•
Premature squeegee wear: the rubber squeegee physically/visually erodes faster than expected		•

Consumables Guides

Squeegee use and care guide

Proper use and regular maintenance can properly extend the life of the squeegee rubber and provide a better cleaning service experience.

>>> User Guide

Step 1

Select the right rubber



Common flooring and scenarios
More wear-resistant



High oil floor

Step 2

Install squeegee rubber



Dismantling
squeegee



Rubber is secured to
the squeegee
through the pre-
drilled holes.



The rubber is fixed
vertically on the
squeegee

Step 3

Maintain

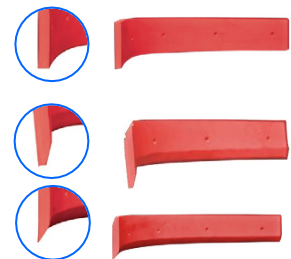


Clean & inspect
squeegee regularly

New rubber 4 edges

Time to flip to a new
edge

Time to rotate to
other side or replace



Step 4

Maintain



Worn



Torn



Wavy

>>> Care Guide

Working temperature

Red: -40°C to +70°C

Blue: -10° to 60°C

Storage

Cool, dry, dark and well-
ventilated area.

Avoid

Direct sunlight, Strong acids

Consumables Guides

Roller brush selection and care guide

5 different bristle densities and materials for a wide range of floors and cleaning modes.

>>> Roller Brush		Scrubbing	Sweeping	Vacuuming
	Sweeping Roller Brush		•	•
	Low density bristles			
	Scrubbing Roller Brush	•		
	High density bristles			
	Universal Sweep & Scrub Roller Brush	•	•	•
	Medium density bristles			
	Hard Scrub Roller Brush – Red	•		
	Coarse bristles			
	Soft Scrub Roller Brush – White	•		
	Fine bristles			

>>> How to clean

Extract the brushes.
Remove stuck debris or anything entangled in the bristles, then rise with water.



>>> When to Replace



The bristles are 3mm away from the red line
New



The bristles reach to the red line
Excessive wear

Consumables Guides

Roller brush use guide

5 different bristle densities and materials for a wide range of floors and cleaning patterns.



>>> Floor Type					
Brick Pavers	•	•	•	•	-
Ceramic Tile, Glazed and Unglazed Quarry Tile	•	•	•	•	•
Concrete, Polished	•	•	•	•	-
Concrete, Unpolished	-	-	-	-	-
Cork	-	-	-	×	•
Granite	•	•	•	×	-
Laminate	•	•	•	×	•
Linoleum	•	•	•	×	•
Luxury Vinyl Tile (LVT) Light Embossed Texture	-	-	-	-	-
Marble	-	-	-	×	•
Slate	-	-	-	×	•
Terracotta	-	-	-	×	•
Terra	-	-	-	×	•
Wood	•	•	•	×	•
Vinyl Composite Tile (VCT)	-	-	-	×	•
Poured Epoxy Anti-slip	•	•	•	×	-
Luxury Vinyl Tile (LVT) Heavy Embossed Texture (deep grooves & ridges)	×	×	×	×	×
Rubber	-	-	-	×	•
Polyvinyl Chloride (PVC)	•	•	•	•	•
Electrostatic Discharge (ESD)	•	•	•	-	•
Short wool carpet	×	•	•	×	×

- Recommended
- Could Be Used (Depends on the scenarios)
- × Not recommended

Consumables Guides

Side brush use guide

2 different side brushes for cleaning the bottom of suspended obstacles at different depths.



Sweeping Side Brush – Standard

About 5cm clean depth, Coarse bristles,



Sweeping Side Brush – Longer

About 10cm clean depth, Medium bristles,



How to clean:

Extract the brushes.

Remove stuck debris or anything entangled in the bristles, then rise with water.

		
>>> Floor Type		
Brick Pavers	•	•
Ceramic Tile, Glazed and Unglazed Quarry Tile	•	•
Concrete, Polished & Unpolished	•	•
Cork	•	•
Granite	•	•
Laminate	•	•
Linoleum	•	•
Luxury Vinyl Tile (LVT)	•	•
Marble	•	•
Slate	•	•
Terracotta	•	•
Terra	•	•
Wood	•	•
Vinyl Composite Tile (VCT)	•	•
Poured Epoxy Anti-slip	•	•
Rubber	•	•
Polyvinyl Chloride (PVC)	•	•
Electrostatic Discharge (ESD)	•	
Short wool carpet	•	
>>> Special Circumstances		
Shelf bottom (Factory, Retail stores)		•
Facility bottom		•
Wall edge		•

Accessories Guides



Accessories Guides

Finding the right accessories to work

Pudu robotics provides a variety of accessories to support special cleaning needs in different scenarios.

>>> Battery & Stations



Battery – 50Ah

30s quickly changeover, no need to wait for charging, Help CC1 realize immediately cleaning which guaranteeing the timeliness of cleaning.



Charging Station

Meets the need for dry-cleaning and [auto power replenishment](#).



Docking Station

Meets the need for full-function cleaning and [auto water and power replenishment](#).



Docking Station + Mobile Water Station

Unrestricted by space, meets full-function cleaning and [auto water and power replenishment needs](#).

>>> HEPA 11 & HEPA 13



HEPA 11

Provide air filtration for places with strict air quality requirements



HEPA 13

Provide air filtration for places with strict air quality requirements

>>> Capacity Expanded accessories



Enlarged trash bin

Used for daily cleaning in scenarios where a lot of solid waste is generated



lightweight dust bag (capacity expanded)

For daily cleaning of large areas of short-wool carpets



lightweight dust bag (capacity expanded) bracket

For fixing lightweight dust bag

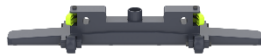
Accessories Guides

Finding the right accessories to work

Pudu robotics provides a variety of accessories to support special cleaning needs in different scenarios.

>>> Vacuuming Accessories

Carpet vacuuming assembly



The optional cleaning accessory is specifically designed for vacuum cleaning. After replacement, it enables to use CC1's carpet vacuuming mode.

>>> Add-on Accessories

Warning light



Modify CC1 to add warning lights to warn, which avoid active collisions caused by people not paying attention.

Interface for user-provided camera (Camera not available)



Provides mobile monitoring capabilities for CC1 during cleaning tasks.

External Suction Hose Kit



Provides cleaning for façades and tight gaps

>>> Easy Maintenance Accessories

Water adding tool



CC1 does not have docking station. When water needs to be manually injected using a water pipe, this accessory can be used to assist in fixing the water pipe, making water injection more convenient.

Manual cleaning brush tool for roller brush chamber maintenance



Manually used for daily cleaning of dirt adhering to the inner wall of the roller brush bin or the inner wall of the sewage tank.

Accessories Guides

Battery & Stations selection guide

Different batteries and stations are matched according to the scene conditions and water and electricity endurance requirements to achieve 7*24 hours unattended operation of CCI.

>>> Water and electricity life within 24 hours by selecting different accessories

Endurance Combination Plan	Combination Diagram	Max Electric Endurance Time (h)	Max Water Endurance Time (h)	24-Hour Multi-Mode Endurance Time (h)
CCI + Battery		24	5	Scrubbing: 5 Sweeping: 24 Dust Mopping: 24 Vacuuming: 24
CCI + Charging station		18	5	Scrubbing: 5 Sweeping: 15 Dust Mopping: 18 Vacuuming: 14
CCI + Docking station (+Mobile Water Station)		18	24	Scrubbing: 15 Sweeping: 15 Dust Mopping: 18 Vacuuming: 14
CCI + Workstation (+Mobile Water Station) + Battery		24	24	Scrubbing: 24 Sweeping: 24 Dust Mopping: 24 Vacuuming: 24

Accessories Guides

Mobile Water Stations use and care guide

Automatic water supply and drainage can be completed without modifying the waterway.

>>> 01 Introduction



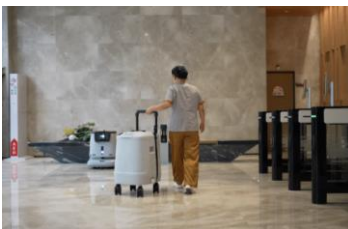
- 30L sewage tank, 30L clean water tank, meeting CC1 2-time water filling and replacement cycle
- Remote notification of water tank full and empty status

>>> 02 Adding water



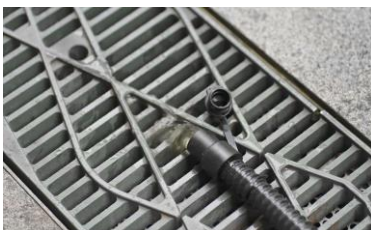
- Manual water addition

>>> 03 Trolley case design, easy to move



- User-friendly design, pull and go

>>> 04 Draining water



- Wall-mounted sewer pipe for easy drainage

Accessories Guides

HEPA 11 & HEPA 13 selection and use guide

Provide air filtration for places with strict air quality requirements



- **HEPA 11** has a filtration efficiency of 95%, meaning it can filter out 95% of particles larger than 0.3 microns in the air.
- **HEPA 13** has a filtration efficiency of over 99.95%, filtering out more than 99.95% of particles larger than 0.3 microns. *Thus, HEPA 13 offers higher efficiency and stronger filtration capability, making it suitable for environments requiring higher air quality.*

>>> Recommended Usage Scenarios	HEPA11	HEPA13
Residential	•	
Office building	•	
Clean room		•
Hospital		•
.....		•

Where to install?

Installed at the vent of the sewage tank



When to replace?

We recommend replacing it every 6 months *(the actual replacement frequency depends on specific environment)*

Accessories Guides

Capacity expanded accessories selection and use guide

Pudu Robotics provides 3 types of capacity expansion accessories to meet the ultra-long life requirements of some special scenarios, such as: large-area short-hair carpet scenes, scenes with a lot of garbage, etc.

>>> Capacity Expanded accessories

Enlarged trash bin



Used for daily cleaning in scenarios where a lot of solid waste is generated

- Material: ABS
- Capacity: 1.2L
- Cleaning mode: Sweeping & Vacuuming
- Cleaning frequency: Every 2 days

Lightweight dust bag (capacity expanded)



For daily cleaning of large areas of short-wool carpets

- Material: Non-woven fabrics
- Capacity: 6L
- Cleaning mode: Sweeping & Vacuuming
- Replacement frequency: Disposable, replace when full



lightweight dust bag (capacity expanded) bracket

For fixing lightweight dust bag

Accessories Guides

Carpet vacuuming assembly use guide

The optional cleaning accessory is specifically designed for vacuum cleaning. After replacement, it enables to use CCI's carpet vacuuming mode. The separated design, with sweeping in the front and vacuuming in the rear, ensures powerful suction, delivering commercial-grade carpet cleaning performance. It is suitable for vacuuming regular short-pile carpets.

>>> Why choose it to vacuum:

The unique structural design provides better downward suction power.



When the robot is working on the carpet, it can deeply clean the dust and dirt hidden deep in the carpet.

>>> When to use:

Cleaning mode: Vacuuming mode

Scenarios: Large area carpets, for example: hotel corridors, conference rooms, temple carpet, etc.

>>> How to use:

When using vacuuming mode,

- Switch CCI's squeegee to the carpet vacuuming assembly
- Connect the robot's fan pipe
- Start cleaning task.



Accessories Guides

Add-on accessories selection and use guide

Connect various add-on accessories according to your needs to achieve more functions and applications.

>>> Add-on Accessories

Warning light



Modify CC1 to add warning lights to warn, which avoid active collisions caused by people not paying attention.

- It is recommended to be used in areas with heavy traffic, such as transportation hubs, supermarkets, and factories.

Interface for user-provided camera (Camera not available)



Provides mobile monitoring capabilities for CC1 during cleaning tasks.

- Scenarios where CC1 is needed for mobile monitoring, such as shopping malls, supermarkets, factories, etc.
- Camera size < 10cm*10cm*12cm
- Camera power supply specification: 5V/1A USB

External Suction Hose Kit



Provides cleaning for façades and tight gaps

- Applied in supermarket shelves, Freezer gap, etc.