A delivery expert delivers various items safely

LG CLOi™ ServeBot



LG | Business Solutions

LG CLOi™ ServeBot

safely performs simple and repetitive delivery tasks

With expanded interior space and improved customer usability, you can use it more effectively in various places.



Providing space for storing various items

With the detachable partitions, the storage space can be adjusted from 1 to 4 compartments to accommodate various items.





Enhanced usability with reinforced convenience

- Featuring automatic door opening upon delivery arrival and closing after item retrieval, elevating user convenience.
- Enhanced functionality is achieved by integrating escort features, including path guidance and provision of facility information.
- Servebot can recognize low obstacles and move autonomously with its 17 sub-sensors.

* Sensors : Lidar 1ea, 3D Camera 2ea, RGB Camera 1ea, Magnetic Sensor 1ea, ToF 12ea (Bumper 8ea, Obstacle Sensing 4ea)

A pleasant experience
for our customers!
Comfort for users!

Enjoy with
LG CLOi™ ServeBot

Office / Residence

Satisfying residents with a smart and convenient experience through contactless delivery services for food, packages, and mail.



LG CLOi™ ServeBot
User Guide

❶ Call / Order

❷ Order Confirmation

❸ Item Storage

❹ Delivery (Elevator Boarding)

❺ Arrival Notification
and Item Collection

❻ Return



Hospital

LG CLOi ServeBot takes over frequent transportation tasks, such as delivering supplies within hospitals, allowing medical staff to prioritize patient care, creating an environment where healthcare professionals can focus on patient well-being.



Hotel / Resort

By implementing room service through robots, it protects the privacy of guests and provides a special experience. Moreover, LG CLOi ServeBot can improve the working environment for employees. We provide password options to allow only users recognizing the passwords can collect items. (Options such as location-specific passwords are also available.)



External contents and solution integration functions

Equipped with CMS* function, you can utilize various contents such as images and video clips. Besides, external devices can be connected easily through the USB ports (USB 2.0 x 2ea). We also provide a solution integration function (AMS*) that allows external apps to be installed on robot.

* CMS: Contents Management System
* AMS: Application Management System

LG CLOi ServeBot can be used more safely and conveniently through the LG CLOi Cloud Station (Mobile / PC).



Real-time delivery monitoring

Through the LG CLOi Cloud Station (Mobile / Web), you can monitor the robot status easily. In addition, we provide a robot paging function and scheduling.

* The UI on the screen may be different from the image

Providing interface solutions for extended building infrastructure

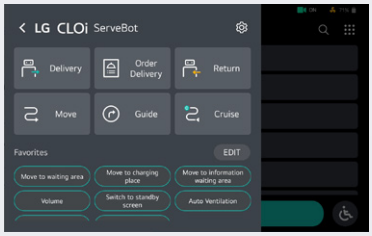
Contactless room service and delivery.
Supports elevator boarding, automatic door.*

* Integration may vary depending on the elevator manufacturer / mode of each facility, with different methods and costs.



LG CLOi™ ServeBot Key Design / UX and Product Specifications

1) Delivery / Pickup Service Menu



2) Specify Delivery Destination
- Select Apartment Unit



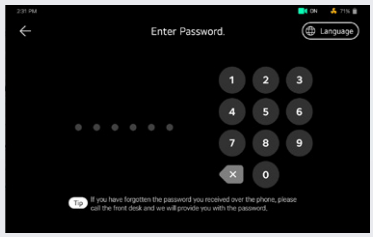
3) Choose Delivery Destination



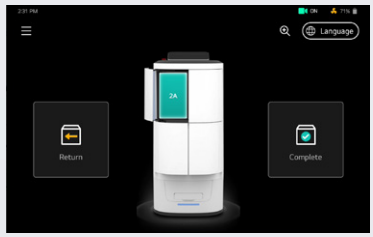
4) Start Automatic Scheduling and Multi-Delivery



5) Unlock Drawer (Password)



6) Delivery Completed



* The UI may be different from the screen as it is subject to change.



Delivery specialist delivers diverse items safely.

- Offering adjustable shelves and ample storage space.
  (Supports up to 66.1 lbs. (30 kg) loading)
- Equipped with navigation function for guidance purposes beyond delivery.
- Accessibility mode for individuals with disabilities enables item collection and navigation through voice commands.*
- Various authentication methods (random, destination-based, general) supporting max 4P multi-point delivery.
- Supports elevator boarding, automatic door.**

* Compliance with VPAT (Voluntary Product Accessibility Template) to adhere to the U.S. Americans with Disabilities Act (ADA)
** Integration may vary depending on the manufacturer/mode of each facility, with different methods and costs.



Specification	Dimensions (W x H x D)	21.7 x 48.2 x 22.0 in. (551 x 1,225 x 560 mm)
	Weight	160.9 lbs. (73 kg)
	Load capacity	30 kg (66.1 lbs.) (each drawer holds up to 7.5 kg (16.5 lbs.))
	Shelf size (W x H x D)	1 compartment (when using 4 compartments) 8.1 x 12.9 x 15.2 in. (205 x 328 x 385 mm) 1 compartment (when using top and bottom 2 compartment, removing vertical shelf) 16.4 x 12.9 x 15.2 in. (416 x 328 x 385 mm) 1 compartment (when removing all shelves) 16.4 x 27.6 x 15.2 in. (416 x 700 x 385 mm)
	Number of Shelves	4 (Expandable to 1 compartment)
	Sensor	LIDAR / ToF / RGBD Camera / Magnetic sensor
	Display	10.1" x 2 ea
	Status LED (action / status alert)	RED / BLUE / GREEN
Battery	Capacity	1,150 Wh (Min)
	Charging time	Manual: 8 / Automatic: 6 (hours)
	Continuous operating time	12 hours
	Battery certification	UL2271
Driving	Obstacle recognition	Automatic obstacle recognition
	Real-time route planning and obstacle avoidance while driving	Real-time route planning and obstacle avoidance while driving
	Speed (max.)	3.9 mph (1.2 m/s)
	Drive width (min.)	31 in. (80 cm)
	Surface compatibility Marble / Tile / Cement / Uneven tile / Carpet	Surface compatibility Marble / Tile / Cement / Uneven tile / Carpet
	Cruise driving route setting: User-configurable	Cruise driving route setting: User-configurable
CMS	Update Screen, Voice, Background sound	Update Screen, Voice, Background sound
	Guidance / Promotion	Yes
Others	Control Mobile / PC	Mobile / PC
	Automatic door	Yes (Purchase modules separately for automatic door connection.)
	Automatic detection of items unloading	Yes
	Content management	Yes
	Application management	Yes (Screen)
	Elevator boarding	Yes (Apply additional integration costs)
	Product name and model number	LDLIM31
	Warranty	Limited 3 Year Warranty



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