INTELLIBOT®
Robotics

Quick Reference Guide

DuoBot Floor Scrubber

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Introduction

This quick reference guide contains information on the daily operation and care of the DuoBot Floor Scrubber. Read it carefully and become familiar with its contents.

It is important to follow all instructions and any warnings contained within this guide. Ignoring them could result in personal injury or damage to the DuoBot floor scrubber that may not be covered by the limited warranty.

Customer Assistance 1-888-837-0002

Customer service is available 24 hours per day, 7 days per week.

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Operator Control Panel Overview

On/Off button: Press this button to power on the machine. A green ring will light up when pressed. You can use the same button to power down the machine.

Handle bar: To move the machine you must gently squeeze the pressure strip on the underside of the handle.

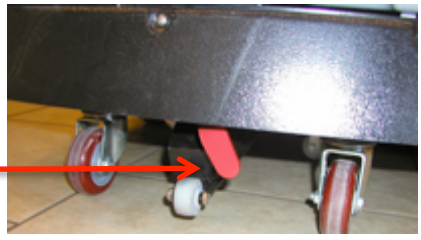
Touch Screen Display: Use the screen to log in, input commands and monitor the status of the machine.

Emergency stop switch: Depressing the stop switch will immediately "pause" the machine. Pull the button out to resume cleaning. Note: When running in Hands-Free mode, there will be a pause button on the touchscreen. This is the preferred method to pause the machine. The emergency stop button is best reserved for emergencies.

Amber warning light: Provides a visual indicator that the machine is operating.

Help Button: For help at any time touch this button to show Hint Bubbles, which explains what each button does.

Parking Brake: To the left is locked, to the right is released.



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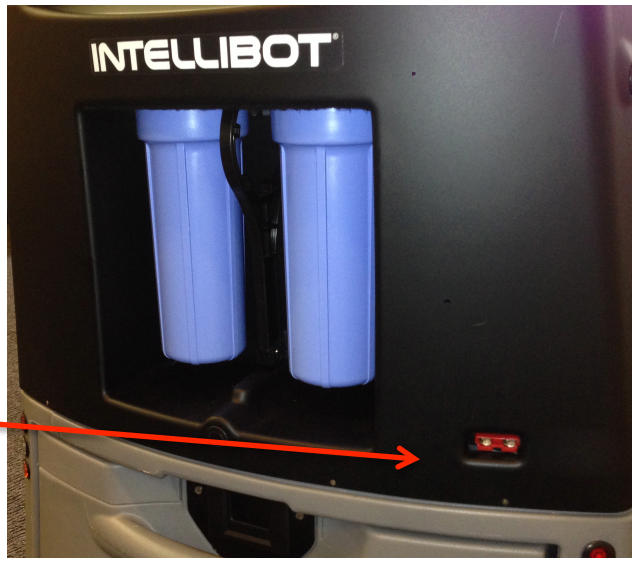
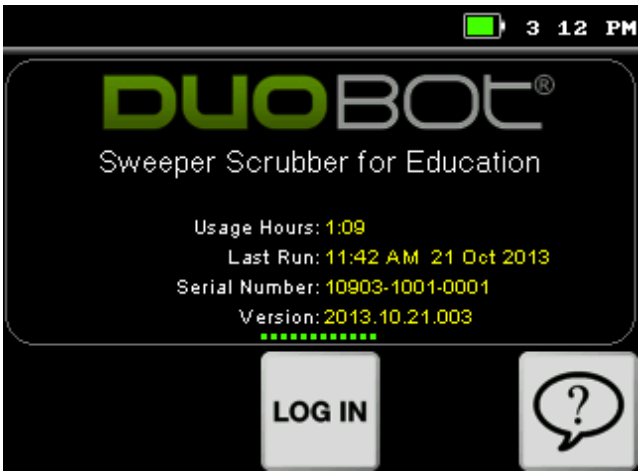
Start Up Steps

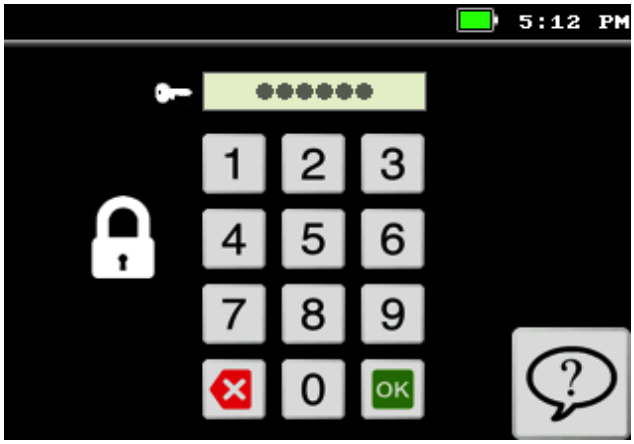


1. Disconnect the Battery Charger (it will not start if connected).

2. Press the "ON" button. Note: It takes almost two (2) minutes for the machine to fully power up.



3. Touch the Log In button.



4. Enter your operator code and Touch "OK". (If your passcode is unknown, contact your administrator.)

A series of screens will appear that will prompt you through the preparation steps prior to cleaning.

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Before Cleaning:

Clear Obstacles

Make sure the area to be cleaned is as clutter-free as possible by removing all items from the area such as garbage bags, trashcans and cleaning carts.

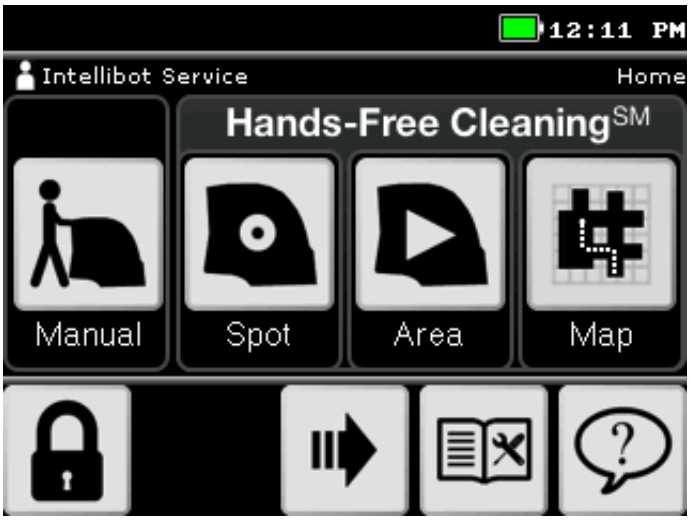
Floor Preparation

Dry or dust mop the area prior to cleaning. This will prevent lint, dust balls, strings, or other objects from getting caught under the squeegee blades, causing water streaking on the floor.

Cleaning Options

There are two operating modes for the DuoBot: Manual and Hands Free. Manual allows you to control all cleaning functions including speed and water flow.

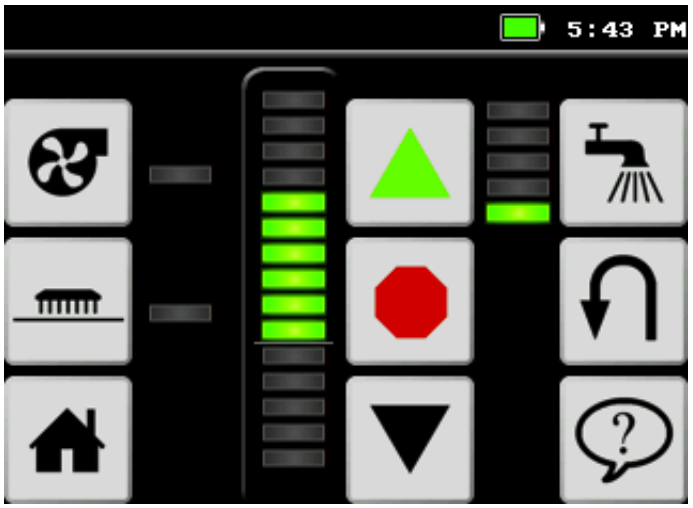
Hands Free allows you to let go while the machine cleans the area automatically.



Manual Clean

To operate the machine in manual cleaning mode, perform the following actions:

1. Touch the Manual Clean button on the home screen.



2. Turn on the vacuum and squeegee by touching the fan icon button.
3. Turn on cleaning head by touching the scrub brush icon button.
4. Touch the forward arrow icon until the speed bar indicator is at the desired speed.
5. Squeeze the handle bar and maneuver the machine over the surface to be cleaned. To stop the machine, release the handle bar.
6. Touch water faucet icon button to set the flow rate.

Note: the indicator bars will blink yellow while priming. Once the system is primed, the indicator bars will change to solid green at the specified flow rate.

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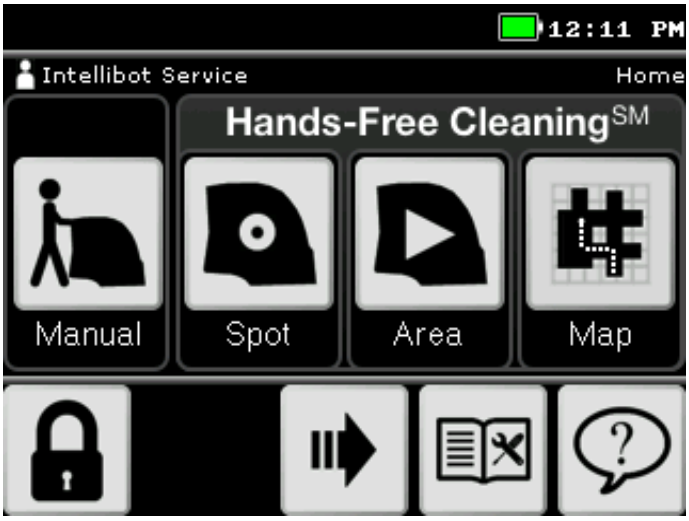
Spot Clean

Spot Clean is used to clean a hallway or aisle for a specific distance (minimum of 20 feet). The hallway/aisle must be between 5.5 feet and 60 feet wide. There must be two walls, one on the left and one on the right, at the start of Spot Clean for it to accurately measure the width of the area to clean.

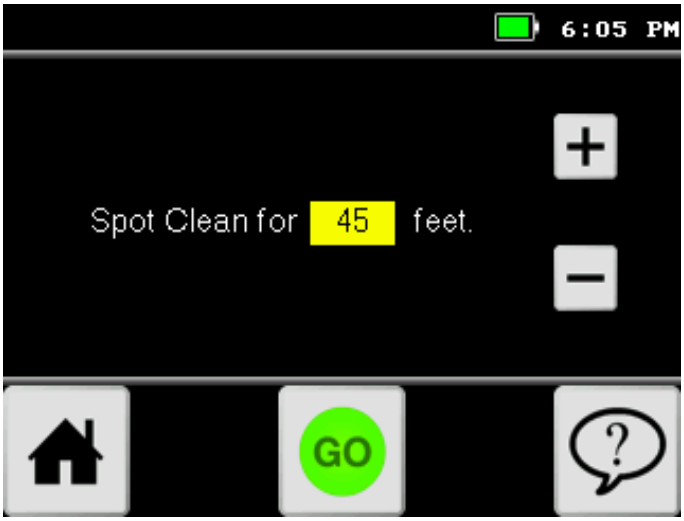
Position the machine in the middle of the hallway/aisle and perform the following actions:

1. Touch the Spot Clean button on the Home screen.



2. Select the distance to clean with the "+" and "-" buttons to set the cleaning length from 20 to 200 feet.

3. Touch "GO" and the machine will start cleaning.



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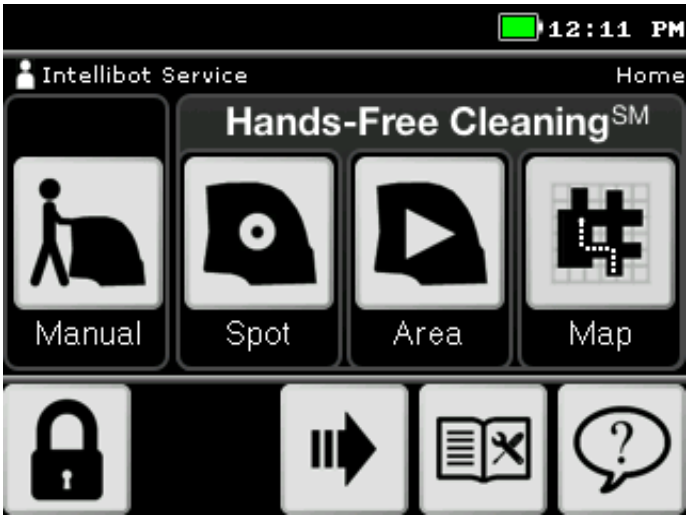
Area Clean

Use this mode to clean hallways, conference rooms and aisles 5.5 feet to 60 feet wide automatically. Area Clean can clean an area with only one sidewall as a reference, but works best when both a left and right wall are present. An end wall or some other obstacle is needed to designate the end of the cleaning area for the machine.

Position the machine in the middle of the hallway/aisle and perform the following actions:

1. Touch the Area Clean button on the Home screen.

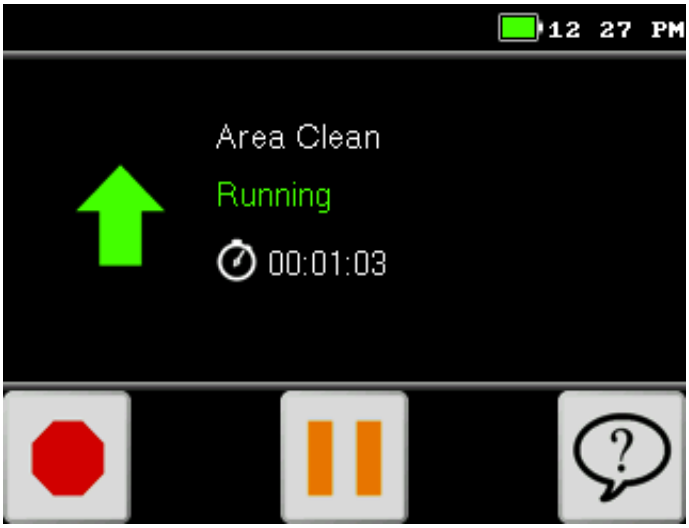
2. Touch "GO" and the machine will start cleaning.



1. To pause the machine, touch the pause button "II."

2. To resume cleaning, touch the blinking "GO."

3. To stop cleaning, touch the "Stop." The machine will ask you to confirm that you want to stop cleaning. If not, the machine will be paused and can be resumed.



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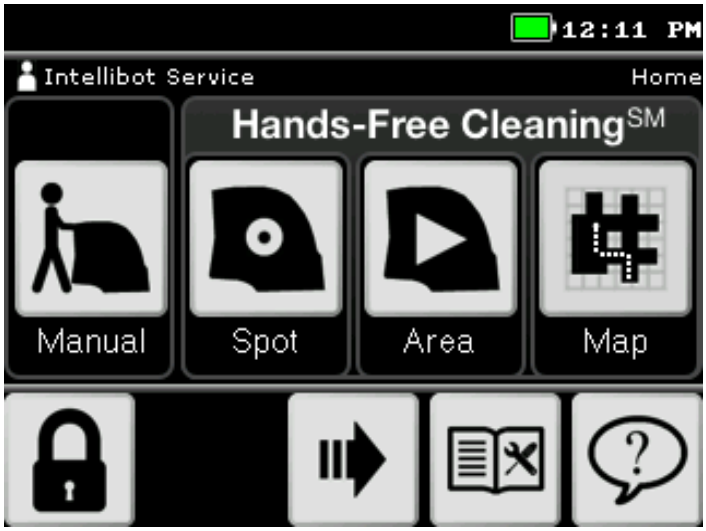
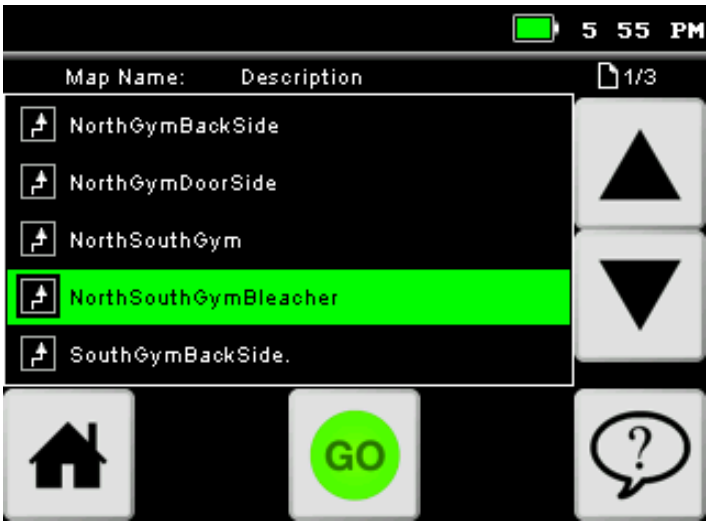
Map clean (optional)

Map clean is created with an optional software package. Maps are created and stored on the machine. Each map has a unique starting location. The machine must be within 2 feet of that starting location and oriented in the proper direction for the route to run successfully.

1. Position the machine at starting point that is associated with a specific map.
2. Choose "MAP" from the menu.



3. Select appropriate map from list.
4. Touch Go.



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Completing Daily Cleaning Routine

The tank should be drained, rinsed and cleaned at the end of every shift. Filters should be removed, rinsed and allowed to air dry. Pleated filters need to be brushed and rinsed after drying and before re-installing in canisters. This will ensure the machine remains clean and free from bacteria.

Maneuver the machine to a location where the fluids can be drained.

Draining the Tank

1. Open tank lid.
2. Locate the drain hose and position the end to where fluids can be dumped.
3. Pull the drain valve. The dirty water should now dispense into the drain area.

4. Using the canister wrench, remove the blue canister(s) by turning counterclockwise. Remove filters(s). If using cotton wound filter, rinse and allow to dry before next use. If using pleated filters, allow to dry completely; brush filters with brush and rinse before using. Inspect filters(s) and replace as necessary.

Important!

Make sure O-rings remain on the interior lip of blue canisters!

5. Remove wire basket and clean.
6. Rinse tank.
7. Clean tank lid, removing any debris.

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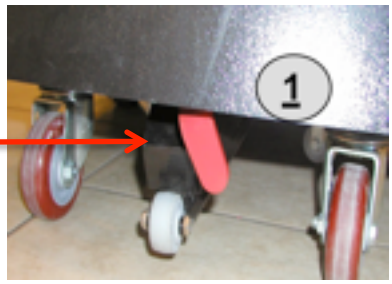
Parking and Storage.

1. Maneuver the machine to the charging station.
2. Power down by pressing the on/off button on the control panel.

Exchanging Battery Packs



1. Set the parking brake.

WARNING: THE BATTERY PACK CONTAINS 4 BATTERIES, ALL OF WHICH HAVE AN ACTIVE CHARGE THAT CAN CAUSE PERSONAL INJURY. USE CAUTION WHEN HANDLING.

2. Position battery exchange cart to receive battery pack. Latch the guide ramp into slots located above rear bumper. Lock the casters on the Battery Exchange Cart.

WARNING: A BATTERY PACK WEIGHS 260 LBS. BE SURE THAT THE EXCHANGE CART CASTERS ARE IN A LOCKED POSITION TO PREVENT PERSONAL INJURY.

3. Press latch to release battery pack.
4. Using the handle, pull the battery pack onto the cart.
5. Release locking latch and casters.
6. Spin battery Cart 180 degrees, aligning new battery pack.
7. Engage latching gate and lock casters.
8. Push battery pack into place until handle latch locks.

Important!

The machine must be placed on a continuous charge for 18 hours for a full charge. Only 24-volt chargers with a gel cell setting can be used. These chargers ensure that the batteries do not overheat. Using any other charger will damage the batteries.

Important!

The DuoBot Scrubber should be inspected and serviced by a factory-trained and certified Intellibot service technician every 250 hours. Call Intellibot Customer Assistance (1-888-837-0002) to schedule service.

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