



BrainOS Software 3.4 Update

January 2022

3.4 Overview

New Capabilities

- Delayed Start
- 12 Routes per Marker
- Route Sync
- Release Notes on UI

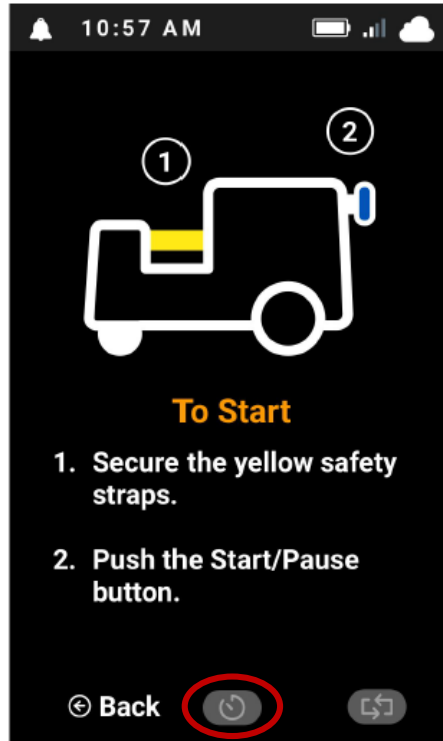
Improvements

- Area Fill - Chat Bubble
- Route Repeat Improvements - Lap Counter & Graceful Exit
- UX Improvements - UI Directional Arrows & Thank You GIF

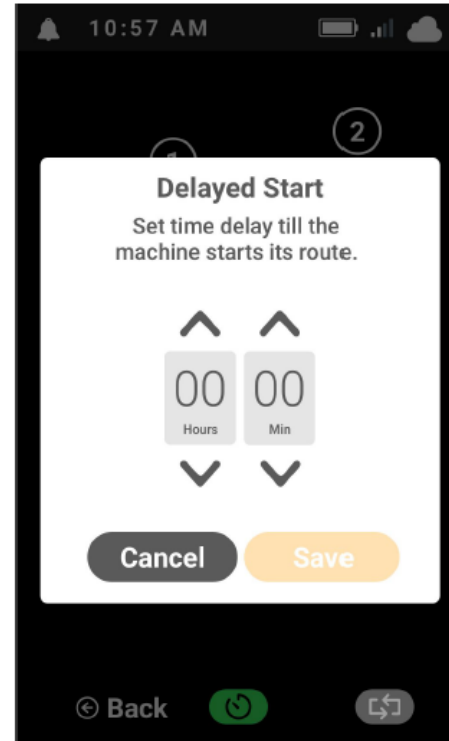


Delayed Start

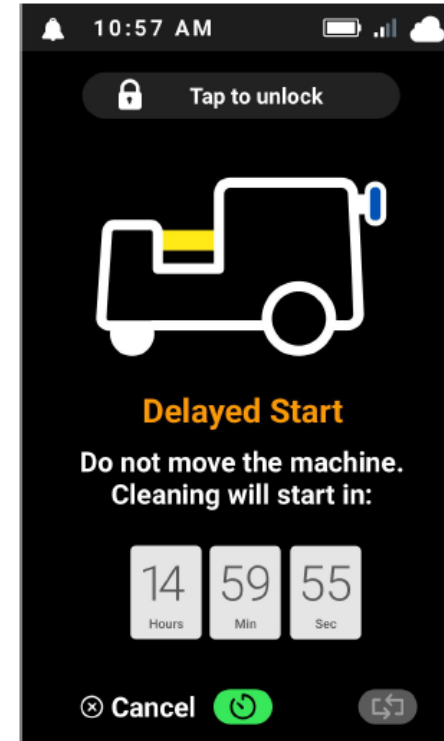
Add a delay before the machine starts its cleaning route(s).



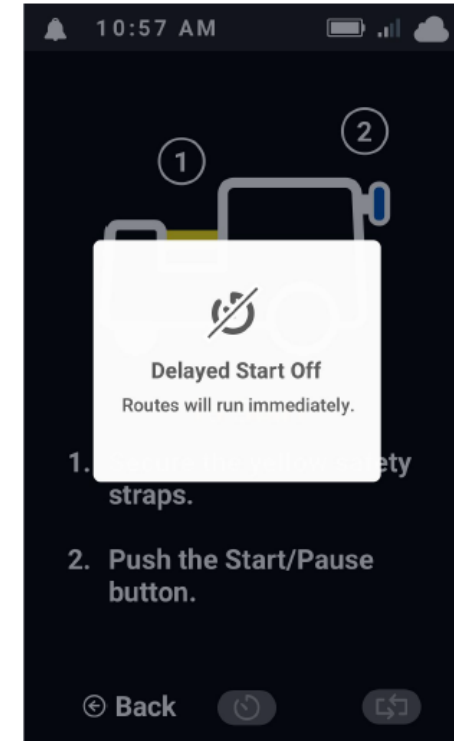
After selecting your route(s), add a time delay by hitting the timer icon at the bottom.



Select your time in increments of 5 minutes, up to 15 hours.



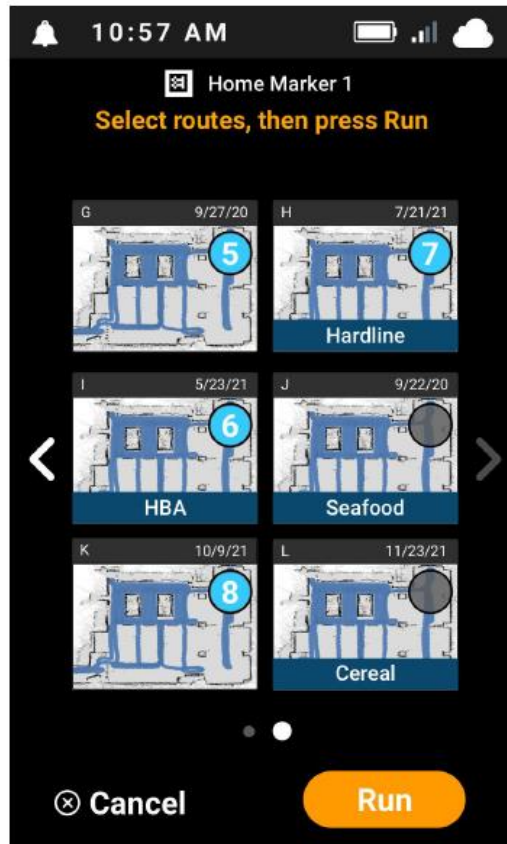
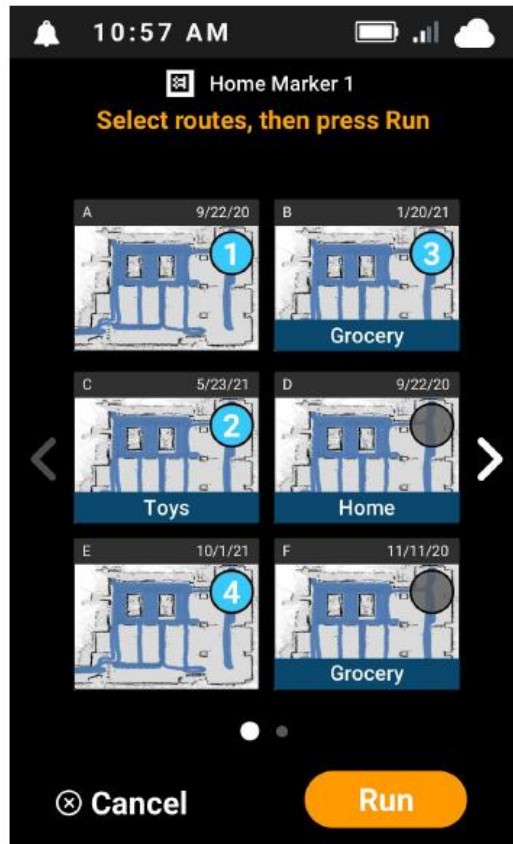
The UI will display a countdown informing of the time till cleaning begins.



Delayed Start can be canceled by unlocking the UI, then clicking again on the timer icon.

12 Routes per Home Marker

Train and Run up to 12 Autonomous Cleaning Routes per Home Marker

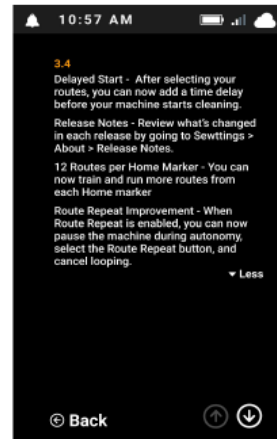
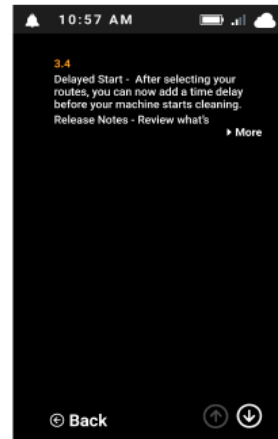
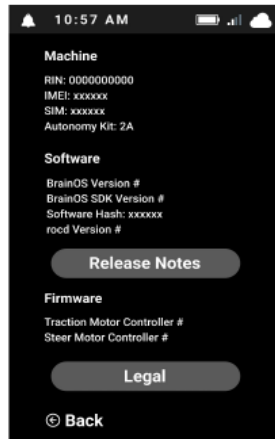
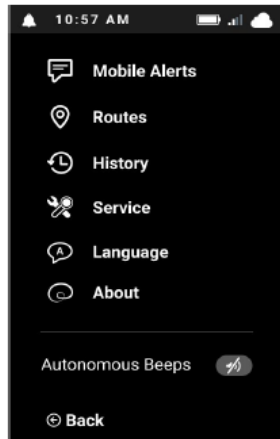
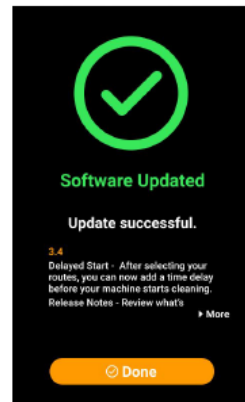
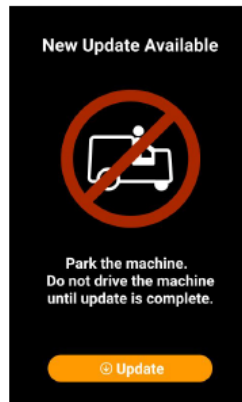


- When training and running autonomous cleaning routes, operators will be able to select from 2 pages
- Operators can use consecutive routes run up to 12 routes back to back and so on
- Operations can be simplified greatly by reducing the number of Home Markers, if applicable for a given site size and workflow



Release Notes on the UI

Brief Description of Key Changes which could impact Operator Workflow



- Will appear for Major BrainOS Releases only
 - 3.3 → 3.4 ✓
 - 3.4.0 → 3.4.1 ✗
- Appears during completion of update installation
- Can be referenced later in Settings > About > Release Notes
- Is translated for each supported UI language



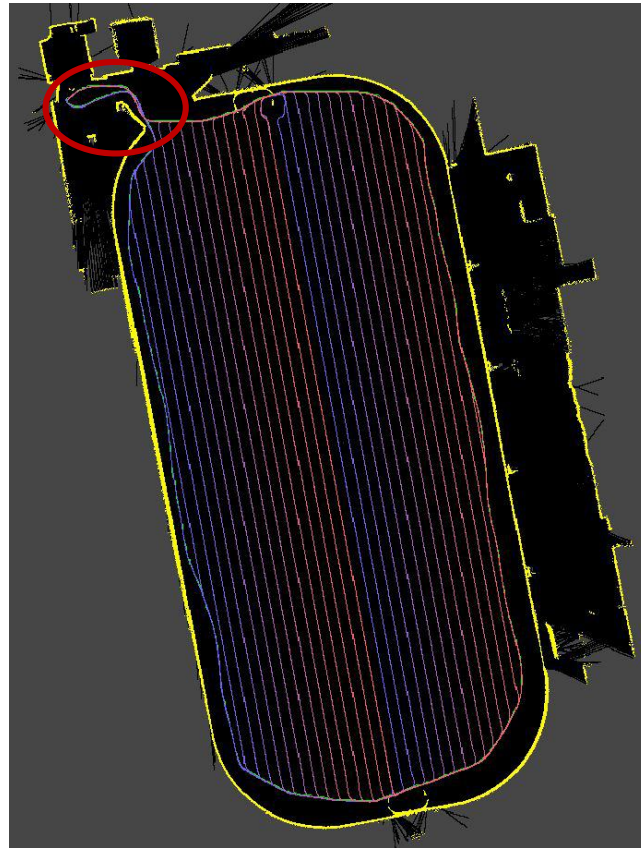
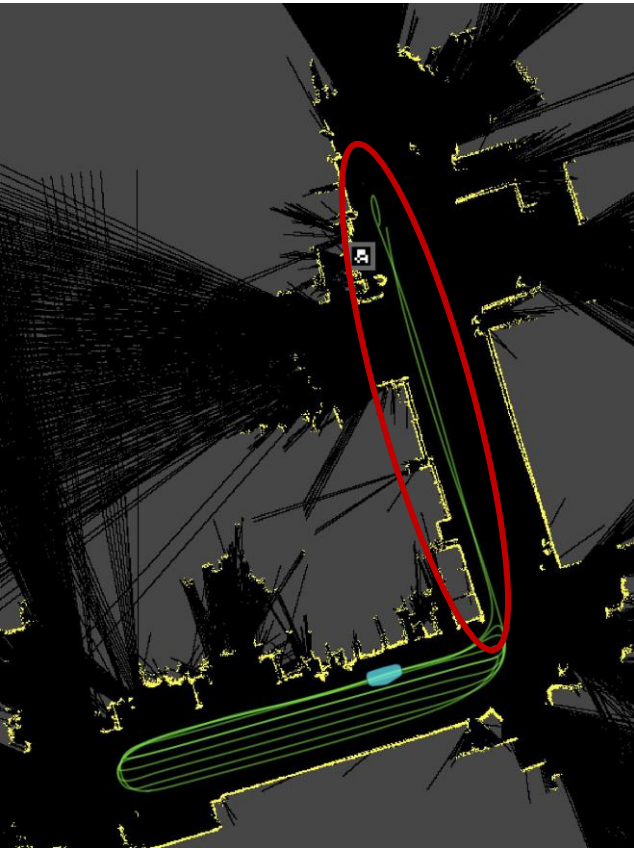
Route Sync

Enables sharing of routes between multiple machines for Multi-machine Sites and Machine Swaps.

- Process
 - Email the Tennant Customer Success team at customersuccess@tennantco.com with the following information:
 - Multi-machine Site vs Machine Swap
 - List of RINs
 - Site Info
- Each request will take up to 5 business days to complete



Area Fill Improvement - Chat Bubble

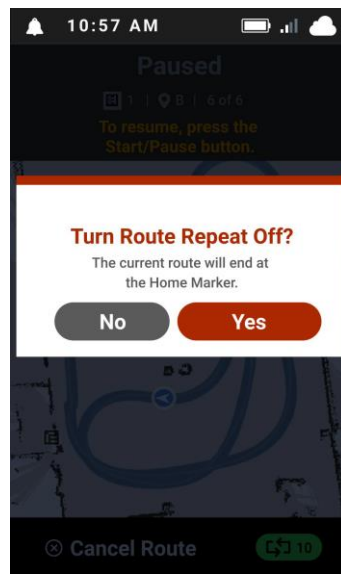
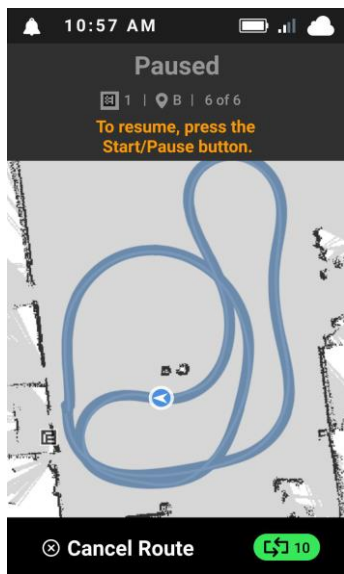


- Thin **transit paths** will be excluded from the Area Fill perimeter
- The machine will still clean during the **transit path**, but it will not loop back to the marker with each lap

Other Enhancements

Route Repeat Improvements - Lap Tracker & Graceful Exit

- The UI will now track the # of laps the machine has done for the route(s) that are looping
- The operator will be able to cancel looping without exiting autonomy



UX Improvements - Directional Arrows & Thank You GIF

- UI will display the intended direction of the machine during cleaning
- Thank You GIF plays when an assist is resolved

