

SOLUTIONS FOR REMOTE-CONTROLLED AND AUTONOMOUS MOWING

Maximize uptime, usability, and safety with FORT's Safe Remote Control Pro, Wireless E-Stop, Endpoint Controller, and Vehicle Safety Controller.



INTRODUCTION

Forward-thinking, future-proof solutions like remote-controlled and autonomous mowers can not only reduce injuries and accidents but also address the labor shortage the industry has been facing in recent years.

Not to mention, end users have more time to dedicate to edging, weeding, and administrative tasks when utilizing smart solutions like self-mapping autonomous mowers.

How can you design autonomous, remote-operated, or robotic mowers that maximize your investment without sacrificing safety?

The key is in choosing the right control solutions for your machine.

- **Trusted Wireless Communications,**
- **Responsive Remote Control, and**
- **Safety-Rated Emergency-Stop Capabilities**

These features are essential to safe, productive turf care equipment.



CHOOSING SMART SOLUTIONS FOR ANY MACHINE



FORT's product series and cloud management solutions are designed for the machines of today and tomorrow. Whether you are retrofitting existing equipment or building new smart machines, there is a FORT solution that can help you maximize productivity, safety, and ease of use.

For mowing applications, FORT's Safe Remote Control, Safe Remote Control Pro, and Endpoint Controller are popular amongst our existing turf care clients.

FORT's Wireless E-Stop has also been an ideal solution for machine developers in the R&D phase, as well as users who want to add additional safety and peace of mind to their existing applications. The Atlanta-based startup, Greenzie, recently used FORT solutions on their autonomous lawnmowers. Learn more about Greenzie's application in this [case study](#).

***Discover The
Right FORT
Solution for You.
Speak with an
Expert.***

SAFE REMOTE CONTROL PRO

Maximize Uptime & Safety With The Safe Remote Control Pro
Access the datasheet [here](#)



Easy to program

Simple CAN configuration and modification for buttons and controls. Easy integration and drag-and-drop pairing app.



Minutes to learn

Intuitive, game-style design is familiar to most operators, reducing training time.



Built for safety

The safety-rated emergency stop keeps users out of harm's way. Drop and orientation detection ensure safe operation.



FLEXIBLE CONTROL FOR ANY JOB

Control a fleet of mowers from a single remote

Use a single remote control to operate up to 30 mowers. Easily pair and unpair in the field for a seamless workflow.

Reliable control at long or short range

ISM radio for up to 1km line of sight connectivity. Bluetooth option limits range without risk of infrared interference in sunlight.

Ready to scale with your fleet

Scalable configuration and management with FORT Manager web app and APIs.

FORT Safe Remote Control Pro



Generic Belly Box Controller



OPTIMIZED FOR PRODUCTIVITY

Use one remote for multiple machines	up to 30 machines	up to 2 machines
Light weight for comfortable all day use	1 lb	4 lbs
Intuitive design to reduce training time	gaming-style controller	cumbersome interface
Wireless communication options	ISM Radio 9xx and 868 MHz Bluetooth Low Energy	ISM Radio 400-930 MHz
Operating range	30m (BLE), 1km (ISM) line-of-sight	100m
Manage and configure devices from the cloud	FORT Manager Web App and APIs	NA

ENHANCED SAFETY & SECURITY

Drop, orientation, inactivity detection	all included, customizable	orientation detection only
Range-limiting function	set ISM transmission power limits or use Bluetooth Low Energy	Infrared- susceptible to interference from sunlight
Advanced security to prevent hacking	tamper-proof, embedded secure element and advanced security protocol	NA

ENDPOINT CONTROLLER

Enable Secure Communications With The Endpoint Controller
Access the datasheet [here](#)



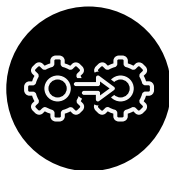
Build with the FORT platform

The Endpoint Controller is a flexible module that brings FORT's safe, secure cloud platform to your machine or device. It features three safety-rated inputs, outputs, and a secure embedded element.



Communicate over any network

Designed for safe, secure communication over Wi-Fi, Ethernet, Bluetooth, or ISM Radio.



Integrate with existing systems

Communicate with other FORT hardware units, or integrate with your existing HMI.



Manage, configure, and update

With the FORT Manager app and APIs, you can manage devices from the cloud.

Safety and Security are the major factors that set FORT apart. All of our hardware and software are designed to prevent accidents, keep people safe and keep hackers or bad actors from being able to interfere with machine operations.

PREVENT HACKING AND INTERFERENCE

Tamper-proof



FORT hardware with embedded secure element prevents interference

Secure Boot, Communication and Updates



Secure protocol ensures that machines only listen to authorized commands, and prevents bad actors from intruding during startup, configuration, or updates.

FORT helps ensures only authorized parties can take control of your mower with features like:

- **Tamper proof hardware**
- **Robust communication protocol**
- **Secure user authentication**

\$200K

*average ransomware payment made by companies in 2022 **

*Cyber Incident Reporting Act, S.2875 - Cyber Incident Reporting Act of 2021

WIRELESS E-STOP & VEHICLE SAFETY CONTROLLER

Take Control From a Distance With Wireless Solutions

Access the Wireless E-Stop datasheet [here](#)

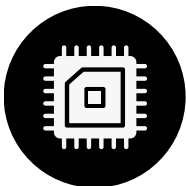
Learn more about the Vehicle Safety Controller [here](#)



Stop up to 11 machines simultaneously

Using FORT's Wireless E-Stop, you can stop up to 11 machines at once from a single handset.

Pair your handsets and receivers in the way that works best for your team. Choose from several pairing options designed to maximize productivity for your team.



Easily integrate with existing systems

The Vehicle Safety Controller receiver mounts on your machine and integrates with typical e-stop circuits. Easily integrates with machines using the CAN J1939 protocols and various connectors.



Reduce the risk of accidents and liability

Protect your team and prevent accidents with a patented safety system equipped with dual channel design and redundant monitoring to ensure your machines stop when needed.





SPEAK TO AN EXPERT

**DISCOVER WHAT FORT
CAN DO FOR YOUR MACHINES**



FORT

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