

DATASHEET

SAFE REMOTE CONTROL

Foundation Series

PRODUCT

SAFE REMOTE CONTROL

SOURCE DOCUMENT

FORT_Safe_Remote_Control_Datasheet_043026.pdf



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Control with Confidence

- ✓ Rugged controller for machines, vehicles, or robots
- ✓ Familiar game-style design
- ✓ Built-in emergency stop
- ✓ Easy to learn and operate

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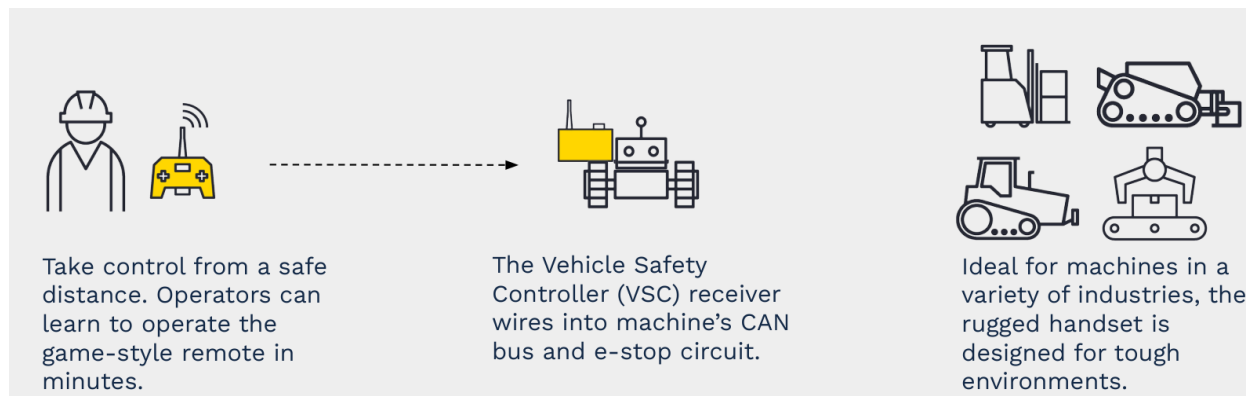
Wireless Control for Any Machine

FORT's Safe Remote Control (SRC), part of the FORT Foundation Series, is an easy-to-use controller for wireless machine operation over ISM radio. The rugged handset features a familiar design that is easy to learn, saving valuable training time. With a built-in emergency stop, patented safety

technology, and drop detection, the Safe Remote Control helps you reduce risk, prevent downtime, and maximize output for your machine.

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Boost Productivity with a Safe, Intuitive Remote



Take control from a safe distance. Operators can learn to operate the game-style remote in minutes.

The Vehicle Safety Controller (VSC) receiver wires into machine's CAN bus and e-stop circuit.

Ideal for machines in a variety of industries, the rugged handset is designed for tough environments.

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SAFE REMOTE CONTROL DETAILS





Receiver: Vehicle Safety Controller

For technical details and more information on FORT's Vehicle Safety Controller, please visit the [FORT website](#) or download the [datasheet here](#).

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SAFE REMOTE TECHNICAL SPECIFICATIONS

PART NUMBERS	SRC-002-2401-Y	SRC-002-901-Y
Device Form Factor	Wireless handheld remote control	
Dimensions (no antenna)	181mm x 155mm x 70mm (7.17" x 6.09" x 2.76")	
Base Unit Weight	589g (1.3lbs)	
Operating Temperature	-20°C to 60°C	
Charging Temperature	Charges at 0°C to 45°C	
Charging Voltage	5V DC @ 2A (USB)	
Battery Type	Lithium Ion, 14.8 Watt Hours	
Battery Life	Up to 12 hours; Operates while charging	
Connectors	Mini USB-B	
Inputs	(1) Dual channel emergency stop button (8) buttons (2) 1-axis finger sticks (2) 2-axis joysticks	
Ruggedness	Designed to meet MIL-STD-810	
Ingress Protection	IP65	

PART NUMBERS	SRC-002-2401-Y	SRC-002-901-Y
Safety Features	Emergency stop button Free-fall/drop detection Orientation detection Idle controller detection- pause for unattended controls	
Safety Timeout Period	Configured by user <i>Default TX Rate: 35 ms; Default RX Timeout: 332 ms (includes latency)</i>	
Regulatory	E-Stop functionality designed to meet: SIL 2 (per IEC 61508) and Cat 3, PLd (per ISO 13849) Radio modules FCC & IC compliant (US & Canada)	
Receiver	FORT Vehicle Safety Controller (VSC) receiver (mounted or embedded versions available)	
Pairing	Pair 1 Safe Remote Control with 1 Vehicle Safety Controller	
Pairing Interface	FORT configuration tool for Linux and Windows	
ISM Radio Options	2.4 GHz	902-928 MHz (US, Canada)
Maximum Wireless Range <i>May vary based on antenna placement and environment</i>	200m Line of sight	2 km Line of sight
Output Radio Transmission Power	20-30dBm <i>Be sure to follow all local RF communication regulations while operating.</i>	

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SAFE REMOTE CONTROL PART NUMBERS & ACCESSORIES

Safe Remote Control Handsets

Safe Remote Control Handset with 2.4GHz radio

SRC-002-2401-Y

Safe Remote Control Handset with 902-928 MHz radio for US and Canada

SRC-002-901-Y

Starter Kits (Bundles Including All Recommended Accessories)

Starter Kit Accessory Bundle for SRC-002-2401-Y

100-0139

Includes all of the following:

100-0029

USB Cable Type A to mini-B, 3ft

270-0004

USB Power Type A connector, 10W

275-0003

2.4 GHz antenna, RP-SMA male

400-0006

Hard carrying case (black)

Starter Kit Accessory Bundle for SRC-002-901-Y	100-0138
<i>Includes all of the following:</i>	<i>100-0029</i>
<i>USB Cable Type A to mini-B, 3ft</i>	<i>270-0004</i>
<i>USB Power Type A connector, 10W</i>	<i>275-0002</i>
<i>750-950 MHz antenna, RP-SMA male</i>	<i>400-0006</i>
<i>Hard carrying case (black)</i>	
Individual Accessories	
USB Cable Type A to mini-B, 3ft	100-0029
USB Cable, Type A to mini-B, 6ft	250-0160
USB Power Type A connector, 10W	270-0004
750-950 MHz antenna, RP-SMA male	275-0002
2.4 GHz antenna, RP-SMA male	275-0003
Standard hard carrying case (black)	400-0006
Large hard carrying case (yellow)	400-0049

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Warranty & Support Options

Foundation Series

Coverage for Wireless E-Stop, Safe Remote Control, Vehicle Safety Controller, and Wired Remote Control. All devices ship with Standard coverage in year one. An active warranty is required for any device support or service.

	Standard <i>Included year 1 · Renewable annually</i>	Advantage <i>Available upgrade · Renewable annually</i>
Product Codes	870-0050 (Year 1) 870-0051 (Extension)	870-0052
SUPPORT		
Support Channels	Email & Portal	Email, Phone & Portal
Coverage Window	Business hours (M–F, ET)	24×7
Escalation Path	—	Priority escalation & scheduled reviews
RESPONSE SLAs		
Priority 1 — System Down	Best effort	< 1 hour
Priority 2 — Degraded	Best effort	< 4 hours
Priority 3 — General	Best effort	< 8 hours
WARRANTY & REPLACEMENT		

Warranty Shipping	Standard handling	Priority handling
Advanced Replacement	Within 2 weeks	Within 3 days
When Standard Works ▶ Low-risk or lower-duty-cycle applications. ▶ Spare or reserve devices for staged deployments. ▶ Single-shift operations where best-effort response is acceptable. When Advantage Pays Off ▶ Production-critical devices where downtime has real cost. ▶ 24x7 operations or safety-critical environments. ▶ Sites where a 2-week replacement window is unacceptable.		
Product Code	Description	
870-0050	Device Warranty — Standard, Year 1 (included with every device)	
870-0051	Device Warranty — Standard, annual extension	
870-0052	Device Warranty — Advantage, annual	

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FORT ROBOTICS CONTROL PLATFORM

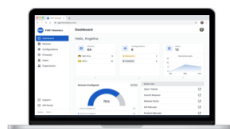
Pro Series



Safe Remote Control Pro



Endpoint Controller



FORT Manager



Nano Safety Controller Pro



Wireless E-Stop Pro

Foundation Series



Safe Remote Control



Vehicle Safety Controller



Wireless E-Stop



Wired Remote Control

Professional Services



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