

# SAFE REMOTE CONTROL

## Data Sheet



## Wireless control for any machine

FORT's Safe Remote Control (SRC) is an easy-to-use controller for a variety of machine applications. Operate off-highway vehicles from a distance, take control of an autonomous robot, or stop a machine instantly with the built-in emergency stop. Rugged enough for any environment, the SRC puts you in control of machine safety and productivity.

### WORK SAFELY

- Operate dangerous equipment from a safe distance
- Improve visibility of the worksite
- Reduce operator fatigue and injury risk

### BOOST PRODUCTIVITY

- Remote operation increases work site productivity
- Lightweight, ergonomic design for comfortable all-day use
- Familiar game-style format reduces training time

### CONTROL WITH CONFIDENCE

- Patented wireless system for safety-critical commands
- Built-in emergency stop button and drop detection
- Adheres to leading industry safety requirements

## APPLICATIONS



### CONSTRUCTION

Operate heavy equipment from a safe vantage point outside the cab.



### AGRICULTURE

Safely navigate or stop autonomous tractors and other equipment.



### ROBOTIC SYSTEMS

Use with mobile robots or autonomous vehicles for teaching and maintenance.



### LABS AND R+D:

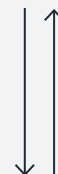
Accelerate development and testing with trusted safety controls.



The Safe Remote Control pairs with FORT's Vehicle Safety Controller receiver (VSC).



The wireless remote with integrated e-stop button enables control from a safe distance



The remote and receiver are in constant two-way communication.



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

## TECHNICAL SPECIFICATIONS

### WIRELESS FREQUENCY OPTIONS

- 900 MHz FHSS
- 2.4 GHz FHSS

### LINE OF SIGHT RANGE

- Up to 2km at 900 MHz
- Up to 500m at 2.4 GHz
- May vary based on antenna placement, obstructions, and environment

### TRANSMIT POWER

- Up to 1W, subject to local regulations

### LATENCY

- TX Rate: 35 ms default
- RX Timeout: 332 ms default
- Configuration-dependent

### SAFETY RATING

- Designed to ISO 13849 PLd Cat 3

### HANDSET:

#### SAFE REMOTE CONTROL (SRC)

- Battery life: Up to 12 hours
- Operates while charging
- IP65 enclosure
- Operating temperature: -20°C to 60°C
- Input voltage, charging: 5V DC @ 2A (USB)
- Measures 7.25" x 6.5" x 3"
- Approximately 1.1 lbs
- Drop and abandonment detection (user configurable)
- Sunlight-readable LCD, backlight setting
- Controls:
  - Built-in emergency stop safety control
  - (2) 2-axis joysticks
  - (2) 1-axis finger sticks
  - (8) buttons

### RECEIVER: VEHICLE SAFETY CONTROLLER (VSC-006)

- CAN-J1939, RS232 and USB data interfaces
- Dual channel emergency stop input loop
- Dual channel safety relays for emergency stop output
- IP 66 enclosure
- Operating temperature: -40°C to 70°C
- Input power: 9-36V
- RP-SMA female antenna connector
- Measures 5.9" x 3.2" x 2.5"
- LED indicators for e-stop status
- Embedded options also available; contact FORT for details