

Wireless SUPREX® Quick Start Guide: SPX-5631 & SPX-5641

1. Check that all units & parts are included:

- ☐ Central
- ☐ Remote
- ☐ 6 connectors (2 each: 2-pin, 8-pin & 10-pin)
- ☐ Warranty

2. Bench Test:

- Set up near control panel. Use spare reader. Place Central & Remote at least 24" apart.
- Connect suitable power supply (8-16 VDC @ 300 mA) to each unit.
- After short delay, status LED pulses green on each unit (power/communication).
- Touch jumper wire from Central's GND pin to Relay 1 input. Remote's Relay 1 activates with audible click. Multimeter/continuity tester shows Remote's Relay 1 "normally open" contacts closing when Central's Relay 1 input is activated.
- Select DIP Switch Settings as needed (see below).
- Connect reader to Remote; connect Central to panel. Scan card to ensure proper read.

DIP Switch Settings:

Default Settings:

- Interface type = Standard Wiegand
- Supervision relay & pull-up resistors disabled

Config Mode:

- Power OFF both SUPREX® units; turn OFF DIP switch 3.
- On both SUPREX® units, turn ON DIP switch 1 & 5.
- Select the interface type via DIP switches (see "Config Mode" table below).
- Power ON both SUPREX® units; status LED should be flashing green.
- Power OFF both SUPREX® units; turn OFF all DIP switches.
- Reselect Run Mode settings (see "Run Mode" table below).
- Power ON both SUPREX® units.

Config Mode DIP Settings			
Interface	DIP (X = ON)		
	6	7	8
DEFAULT			X
Standard Wiegand			X
OSDP			
Keypad (Wiegand/ No Filter)		X	
F/2F (Unsupervised)	X	X	X
Strobed Rising Edge (MR-5)		X	X
Strobed Rising Edge (Dorado)	X		
Strobed Rising (MagTek)	X		X
Strobed Falling Edge	X	X	

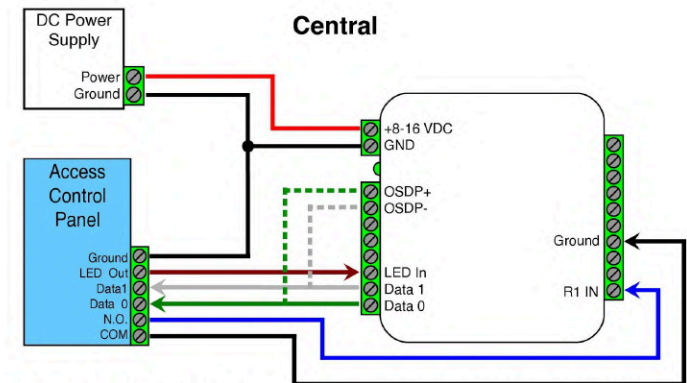
Run Mode DIP Settings		
DIP	Switch ON	Switch OFF
2	Remote digital input	Remote analog input
3	Central	Remote
4	Enable supervision relay	Disable supervision relay
5	Enable pull-up resistors	Disable pull-up resistors
EXP Select		
(Not supported in OSDP mode)	No EXPs (6-8 OFF)	
	1 EXP (8 ON)	
	2-7 EXPs (See Manual)	
OSDP Mode Only	Require SC (6 ON)	
	Find Reader Mode (8 ON)	

Relay Locations			
Relay #		Input	Output
1	2	Central	Remote
3	4	Remote	Central

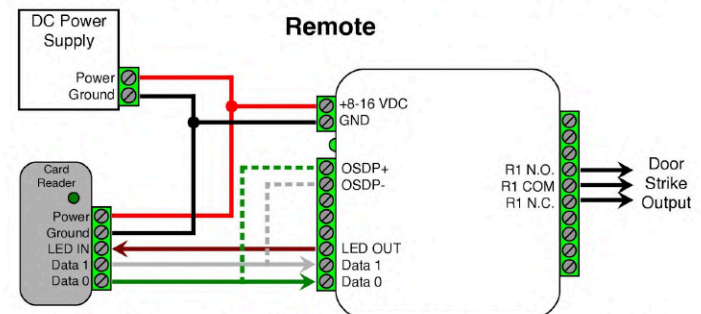
3. Field Installation Checklist:

- ☐ Central & panel have a common ground.
- ☐ Remote & reader have a common ground.
- ☐ Top of Wireless SUPREX® points towards the sky.
- ☐ Central & Remote installed at similar heights (above obstacles such as vehicles, trains, buildings, trees, etc.).
- ☐ Direct line-of-sight between Central & Remote (unless using an [RPT-5651 Repeater](#)).
- ☐ Avoid mounting to metal surfaces; if unavoidable, mount Wireless SUPREX® w/ a non-metal spacer.
- ☐ Fasten enclosure w/ locking screws (6-32 x 3/8); max torque rating 8.5 inch-pounds.

If troubleshooting is necessary, please see manual.



NOTE: dashed lines indicated OSDP wiring. Please connect to the RS-485 on the ACU, not a Wiegand port.



NOTE: dashed lines indicated OSDP wiring. Please connect to the RS-485 on the PD, not a Wiegand port.