



Quick Start Guide GT-2 & GT-4 Receivers

Description

Long Range Receivers with an integrated receive antenna are OSSI's 433mhz long-range identification solution known as the GT series. They are intended for security access control applications, and alarm indications with OSSI's KTT series wireless communications. The two-channel GT-2 Receiver (Channels A and B) allow the GT series to Transmit data via a pair of Wiegand outputs to any access control panel. Formatting of the Wiegand output is dependent upon the data encoded on each individual OSSI KTT Transmitter.

The Receiver kit includes:

- (1) Receiver mounted in an IP66 enclosure
- (1) Cable grommet for weather resistance
- (2) #6 x 1-inch Phillips flat head machine screws for mounting on a single gang wall box
- (4) #6 x 1-inch Phillips flat head wood screws for flat surface mounting
- (4) Self-captivating M4 screws for lid mounting

OS-GT-2



- A: Channel 1 LED
- B: Channel 2 LED
- C: Power LED
- D: Receive LED
- E: 6-PIN Terminal Block

OS-GT-4



- A: 10-PIN Terminal Block
- B: Beeper On/Off switch
- C: External Antenna Switch
- D: Adjustable Range Control
- E: Power LED
- F: Receive LED
- G: Beeper
- H: External Antenna Connector

Cable Requirements

24 AWG minimum, multi-conductor stranded with an overall foil shield, for example Belden 9535 or similar. Per the SIA's Wiegand specification, maximum cable length is 500-feet (152 m).

Output Formats

Wiegand (industry standard 26-bit Wiegand and custom Wiegand formats) Grounding Shield (drain) continuity must run from the reader to the access panel. Shield (drain) and reader ground must be tied together at the access panel and connect to an earth ground at one point.

Power

The Receiver may be powered by the access panel. A linear power supply is recommended for best operation. Power required is 8 to 24 VDC at 80 mA (nominal).

Mounting

The Receiver may be mounted indoors or outdoors. The base of the enclosure includes a drill template providing mounting provisions to a wall box

Range

The read range between the Receiver and Transmitter may be adjusted. As shipped, the Receiver is set for the maximum, up to 150 feet (46 m). This may be reduced to a minimum typically of 5 ft (1.5 m) by adjusting the Range Pot in the counter-clockwise direction.

Installation Recommendations

For best performance it is important that the Receiver be mounted as far from potential interference sources as possible. These sources may include, but are not limited to, large metal obstructions, as well as magnetic fields and radio transmissions.

Be aware of the risks of 433 mhz Code Sniffing and unauthorized signal duplication

Troubleshooting

Issue	Possible Cause	Corrective action
No data received	Transmitter Not Enrolled	Transmitter must be clicked twice to be learned by receiver at short range
No data received	Read range not adjusted properly	Turn adjust knob clockwise to increase range. (OS-GT-4 only)
Some Buttons not working	Channel Jumpers not set properly	Channel A for buttons 1&2. Channel B for buttons 3&4 (OS-GT-4 Only)