




# Farpointe Data WRR-22 Ranger Long Range Receiver User Guide

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**Farpointe Data WRR-22 Ranger Long-Range Receiver**



## Ranger Long-Range Access Control Solution

### Product Information

The Ranger is a long-range access control solution that provides a versatile and valuable addition to your access control offering. It can work with traditional readers, or in place of them in certain situations, making it ideal for a wide range of access control scenarios.

### Key Features

- No line-of-sight is required between the transmitter and receiver
- Supports industry standards: Wiegand or OSDP protocols
- Installed and programmed just like traditional readers and credentials
- 2-Channel WRR-22 Receiver has a fixed read range of up to 100 feet (30.5 m)
- 4-Channel WRR-44 Receiver has an adjustable read range of up to 200 feet (61 m)
- WRR-44 read range can be extended with an external antenna (sold separately)
- WRT-2+ and WRT-4+ Transmitters are equipped with a proximity or contactless smartcard module for use as traditional presentation credentials with RFID readers

### Product Usage

1. Install the Ranger access control solution according to the manufacturer's instructions.
2. Program the Ranger just like traditional readers and credentials, using industry-standard Wiegand or OSDP protocols.
3. The 2-Channel WRR-22 Receiver has a fixed read range of up to 100 feet (30.5 m), while the 4-Channel WRR-44 Receiver has an adjustable read range of up to 200 feet (61 m). For even greater read range, the WRR-44 can be fitted with an external antenna (sold separately).
4. The WRT-2+ and WRT-4+ Transmitters are equipped with a proximity or contactless smartcard module for use as traditional presentation credentials with RFID readers.
5. For more information on product usage and to see real-world examples of the Ranger in action, refer to the Ranger Use Cases and External Antenna Reference Document available for download on the manufacturer's

website.

Most access control professionals will need to sell, spec or install an access solution for a parking structure, gated community, storage facility, marina, or other long-range scenario where a typical RFID reader may not be ideal. Farpointe's Ranger® was designed for these types of applications. Operating at the 433-MHz frequency, Ranger gives users up to 200 feet (61 m) of read range at the push of a button!

However, Ranger provides much more than that. Farpointe engineered a solution that can work with traditional readers—or in place of them in certain situations—making the versatile Ranger a valuable addition to your access control offering.

Following are a variety of resources to help you get the most out of Ranger and provide the most value to your customers.

## Key Features of Ranger

- No line-of-sight is required between the transmitter and receiver
- Supports industry standards: Wiegand or OSDP protocols
- Installed and programmed just like traditional readers and credentials
- 2-Channel WRR-22 Receiver has a fixed read range of up to 100 feet (30.5 m)
- 4-Channel WRR-44 Receiver has an adjustable read range of up to 200 feet (61 m)
- WRR-44 read range can be extended with an external antenna (sold separately)
- WRT-2+ and WRT-4+ Transmitters are equipped with proximity or contactless smartcard module for use as traditional presentation credentials with RFID readers

## Ranger Transmitters...Quality from the Inside, Out



- Durable construction
- Ergonomic design
- Weather-resistance
- Long-life battery
- Multi-application

## Extend Your Read Range with an External Antenna

The Ranger WRR-44 Receiver may be fitted with an external antenna that can increase its read range beyond the nominal range of up to 200 feet (61 m) and support directivity. Download the WRR-44 External Antenna Reference Document for more details, including potential antennas and accessories that may be used.



### **Ranger Use Cases**

Ranger is one of the most versatile access control ID solutions on the market today. While designed for parking, gates and other typical long-range uses, its flexibility is ideal for a wide variety of applications. As an example, take a small office building with four access points: front door, employee entrance, secure IT closet and shipping area. A single WRR-44 Receiver can control all four points, each assigned to its own channel, and its own button on a WRT-4+ Transmitter. This eliminates the need to install and run cable for four separate readers.

Download our Ranger Use Cases for an inside look at the ways Ranger can be used in a variety of access control scenarios.



### **Real-World Examples**

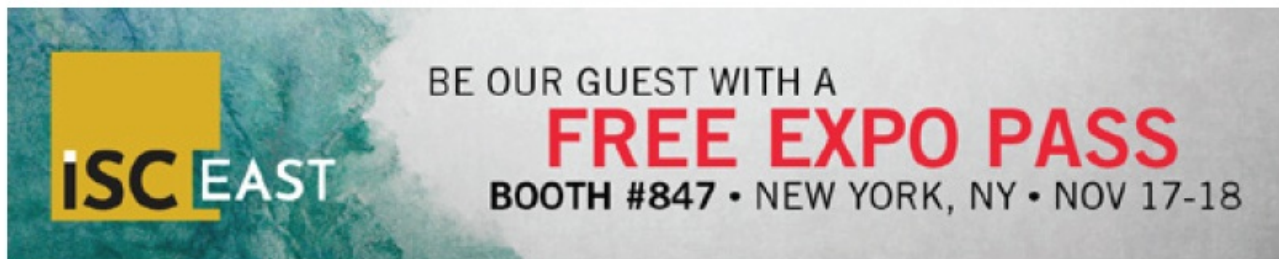


**READ MORE:** Schneider Electric, in Espoo, Finland, uses a Ranger WRR-44 Long-Range Receiver to control access into their underground parking garage.



**READ MORE** Integrated with a gate entry system, a Ranger WRR-44 is installed at the main gate of Kolea at Waikoloa Beach Resort in Hawaii.






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### Documents / Resources

	<p><a href="#">Farpointe Data WRR-22 Ranger Long Range Receiver</a> [pdf] User Guide WRR-22 Ranger Long Range Receiver, WRR-22, Ranger Long Range Receiver, Long Range Receiver, Range Receiver, Receiver</p>
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### References

- [Farpointe Data - RFID Readers and Credentials for Electronic Access Control](#)