



Farpointe Long Range Reader - Configuration

With the obsolescence of the 433-TX/RX combination the reader portfolio was missing a long-range reader option. To fill this void, the Farpointe WRR-44V & WRT-4+ has been added as an OEM product.

The reader has been tested against ACT Enterprise, ACT365, SPC and SiPass Integrated, with the relevant configuration information on the following pages.

The reader has 4 possible Wiegand outputs, depending on which button is pressed on the remote.

For example, pressing button 1 relates to the AD0 and AD1 Wiegand output on the WRR-44V, pressing button 2 relates to the BD0 and BD1 Wiegand output, and so on for the remaining 2 buttons.

It's important to remember this when connecting the reader to the relevant control equipment, as connecting the wrong terminals will result in a different button on the transmitter being used.

SUPPORT INFORMATION

ACT Enterprise:

The WRR-44V receiver connects to ACT Enterprise as any other reader does, utilizing the reader connection along the left side of the board. 4 wires are needed, +v, 0v, D0 and D1.

Within the software, under card configuration you will need to enable the use of built in formats, as follows:

Format

Mifare Format
AUX Card Memory

There are 6 built-in Wiegand card formats. You can add one or more custom format, either from the predefined list, or directly using the data entry fields. Tick "Use this format" to use the additional format. Tick "Check built-in formats" if you want the built-in formats to be used.

Built-in Formats

- 32-bit No Parity
- HID 26-bit Wiegand**
- HID 34-bit Wiegand
- HID 35-bit Wiegand
- HID 37-bit Wiegand
- Vanderbilt 56-bit UID

Available Formats

- 37-bit no site code
- HID 64-bit Wiegand
- Vanderbilt 34-bit
- 34 Bit 1-

Wiegand Format

Name: 37-bit no site code

	Start	Length
Overall:		37
Site Code:	0	0
Card Number:	5	32
Issue Number:	0	0

Use this format

Check built-in formats

Add **Delete**

Providing the reader has been connected correctly, appropriate settings made, and controller synchronized, pressing a button on the remote should give you the corresponding number clocked in to the software.

SUPPORT INFORMATION

ACT365:

In order for the WRR-44V to work with ACT 365, no software configuration is required. Simply connect the reader to the controller, as you would any other Wiegand reader, using the connector block on the left hand side of the controller - +v, 0v, D0 and D1.

SUPPORT INFORMATION

SiPass Integrated:

For connection to SiPass Integrated, the WRR-44V has only been tested against the **ADD5100 (DRI)**, and a **“Custom Wiegand”** license will be required, in order to create the necessary “26 Bit Wiegand” protocol.

The reader connects to the DRI utilising the standard Wiegand reader connector block, with only +v, 0v, D0 and D1 being required.

Within the software it is then necessary to create the required 26 Bit format, before applying this to the reader.

The screenshot shows the 'Custom Card Configuration' dialog box. The 'Definition' section is active, showing the configuration for a '26-Bit Wiegand' card. The 'Decoding' section shows the results of the configuration, with 'Total Length' and 'Odd Parity' marked as 'Failed'.

Definition

Name: 26-Bit Wiegand™

Total Length: 26 (MSB)

Number: 16 (MSB)

Facility: 8 (MSB)

Facility Additional: 1 (MSB)

Revision: 1 (MSB)

Even Parity: 13 (MSB)

Odd Parity: 14 (MSB)

Decoding

Bits: [Empty]

Total Length: Failed (Length = 128)

Even Parity: Ok

Odd Parity: Failed

Number: 0

Facility: 0

Revision: 0

Buttons: Ok, Cancel, Apply

SUPPORT INFORMATION

SPC:

The WRR-44V connects to the DC2 door controller in the same way as any other Wiegand reader. It utilises the +v, 0v, D0 and D1 connections.

In SPC, you will also need to ensure that the 26 Bit Wiegand interface has been enabled.



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The screenshot shows the SPC configuration interface. On the left is a navigation menu with options: SPC Home, Status, Log, Users, Configuration (highlighted), Communications, and File. The main content area has a top navigation bar with tabs: Hardware, System (selected), Inputs, Outputs, Doors, Areas, Calendars, Change own PIN, and Advanced. Below this is a sub-tab bar with: System Options (selected), System Timers, Identification, Standards, and Clock. The main content area is titled 'Select supported card formats' and contains a list of card formats with toggle switches. The 'Wiegand 26bit' option is highlighted with a red box and its toggle is turned on. Other options include Wiegand 36bit, HID Corporate 1000, EM4102, Cotag, HID 37, HID 37F, HID 37BCD, AR618 WIE BCD 52, AR618 OMRON 80, HID ICLASS MIFARE, HID ICLASS DESFIRE, and Wiegand. At the bottom of the list are 'Save' and 'Back' buttons.

Card Format	Enabled
Wiegand 26bit	Yes
Wiegand 36bit	No
HID Corporate 1000	No
EM4102	No
Cotag	No
HID 37	No
HID 37F	No
HID 37BCD	No
AR618 WIE BCD 52	No
AR618 OMRON 80	No
HID ICLASS MIFARE	No
HID ICLASS DESFIRE	No
Wiegand	No

SUPPORT INFORMATION



If you have any questions, please contact our Technical Competence Centre.
Contact details can be found on our website.

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