

# Connecting a Nedap uPASS Target reader to Net2

## Overview

The uPASS Target is a high-end reader that offers long-range identification using the Rain RFID (UHF EPC Gen II) Standard. It offers a read range of up to 10 meters (33 ft.) which makes it a solid solution for long-range identification of vehicles, people and rolling stock at industrial sites and logistic depots. This reader works with Nepad's own credentials: UHF windshield tag, UHF combi card and the UHF heavy duty tag.



To connect the reader to a Net2 door controller, use the following instruction. Use connector 2 on the reader:

Connector 2	ACU terminal
NOT USED	+12V
Cable 8	Red LED
NOT USED	Amber LED
Cable 1	Green LED
Cable 2	Wiegand D0
Cable 4	Wiegand D1
NOT USED	NOT USED
Cable 7 & 8	0V

Red 12V dc	Reader 1
Red LED	
Amber LED	
Green LED	
Data/D0	
Clock/D1	
Media Detect	
0V out	

Ensure any unused wires are safely terminated.

A separate 12V/24V or PoE plus power supply is needed for the reader, it cannot be connected to the reader output terminals of the Net2 controller due to its high power consumption.

## Configuration

The reader has to be configured using the USB interface on the reader and Nepad's UHF tool software which is available with Nepad.

In the 'LED control' menu, select: Remote (inputs) to allow the LED's to be operated by the Net2 controller.

For the test we used the UHF combi card and selected in the 'extra output tool' menu of the UHF tool:

- Protocol: Wiegand
- Data source: EPC number
- Alignment: Left
- Data Length: 24 bits/ Offset: 0
- Tick the box: Add parity bits

Set the reader settings in Net2 to - wiegand reader - and - wiegand 26 bits -.

For further information and current details please contact the company Nepad.



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