

# Connecting a Nedap Transit Ultimate reader to Net2

## Overview

The Transit Ultimate is the robust long-range reader, based on semi-active RFID technology, that enables automatic vehicle and driver identification at distances of up to 10m (33ft) and speeds of up to 200km/h (125 mph). This high-end reader is designed to perform well in high security applications, demanding vehicular access control applications and under harsh environmental conditions. The reader works with Nedap’s own credentials: Booster ultimate, window tag ultimate, heavy duty tag, compact tag and window button.



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	
NOT USED	Red LED	
NOT USED	Amber LED	
NOT USED	Green LED	
Cable 0 - 3	Wiegand D0	
Cable 0 - 2	Wiegand D1	
NOT USED	NOT USED	
GND	0V	

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.

LED control via the Net2 controller was not available at the time this reader was tested.

## Configuration

The reader will send out a 26 bits wiegand output without further configuration.

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

When you want the output of Transit Ultimate reader to change to for instance a 37 bits wiegand output you will have to use the Nedap transit PIC load software and upload firmware file 'P85' to the reader via a USB interface. Different firmware files are needed for different outputs. Also dipswitches have to be changed on the reader to complete this.

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

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