

# uPASS Target

## Quick Install Guide

### Power Supply:

Linear 24vdc 2-3 AMP

### Cabling:

Shielded twisted 6 (18-22 Gauge) for communication wiring.  
A separate pair (14-18 Gauge) for the power supply.

### Tools:

- 1 small flathead screwdriver for landing the wiring
- Wire strippers

### Wiring:



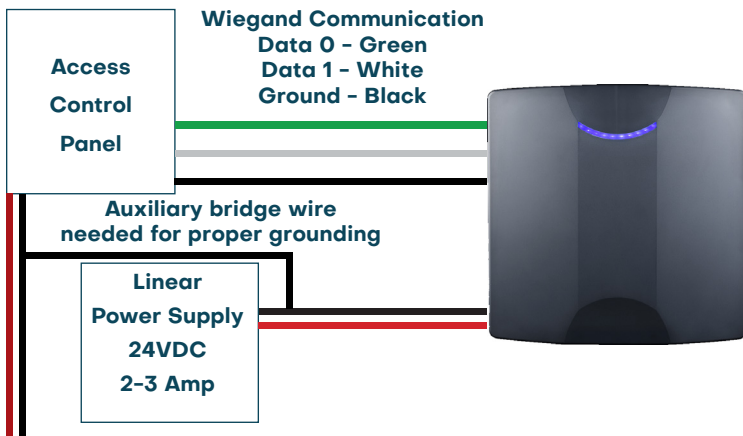
Figure 9: CONN. 5

### Power:

Pin	Function
1	-
2	Ground
3	DC+
4	-

Table 1: Power supply connection

### Grounding:



### Additional Resources:

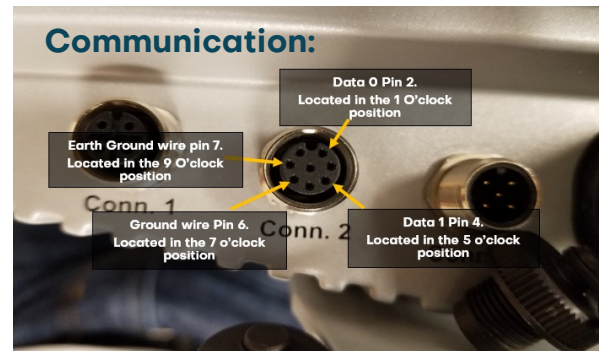
These are available for download through our IDS Knowledge Center at [support.nedapidentification.com](http://support.nedapidentification.com) by creating a guest account.

- Install Guide (included in the reader box) PDF available online.
- UHFTool. Only needed if slight adjustments are needed. Out of box set to Max Read Range and setup to output Wiegand.
- Datasheets (available through the website or Knowledge Center)

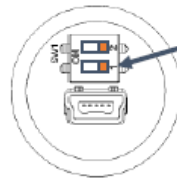


Out of the box, the reader is set to output Wiegand and the antenna is set to max read range and antenna power.

### Communication:



Continuity is created by landing a jumper between the 12v ground powering the access control panel to the 24v ground powering the reader.



UHF Processor Switch 1 "OFF" (default)  
Transit Compatible mode Switch 1 "ON"

### Quick Shots:

- OSDP Installation - pages 13-15 of the Install Guide
- UHF Windshield Tags and Exterior Tag Installation sheets (available in our Knowledge Center for download.)

## Read Lobe Examples:

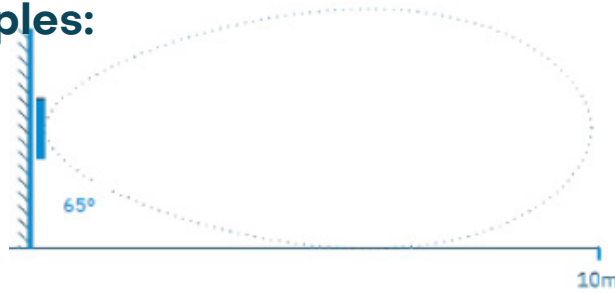


Figure 2: uPASS Target antenna coverage

Maximum read range: 10 meter (33 feet).  
 Antenna polarization: Circular  
 Horizontal reading angle: 65°  
 Vertical reading angle: 65°

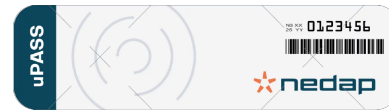
## Tag Enrollment:

For Stock Tags, you will find the Facility Code under the description. UHF W26 FC:020. The tag number is printed on the box and tag as well.

For Special Programmed tags, this information is submitted by the customer.

You will be able to go in and enroll your tags with the knowledge provided above.

## Stock & Special Programed Tags:



The new Stock and Special Programed tags have the same look. The bar code and tag number are printed on the front.

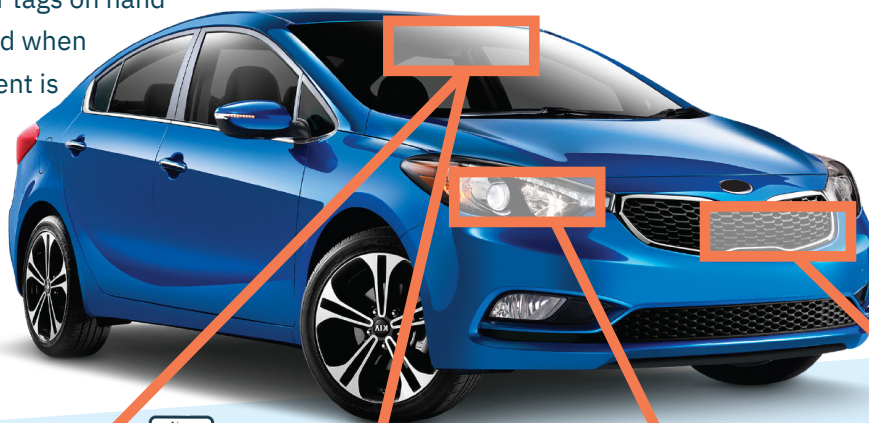
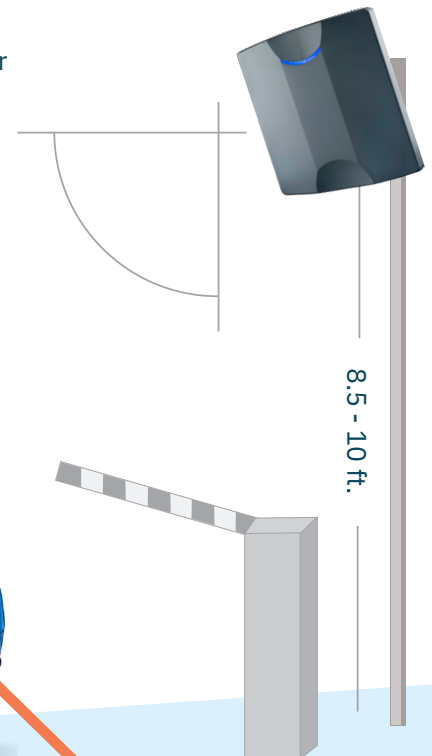
## Tag Placement:

Two things block/affect all RFID reads and that is metal and water. Some high end vehicles and aftermarket tint in windshields will block the signal from reaching the tags. If metalized content is present in the area of application, there won't be a read achieved.

Best practice is to have a pack of External Sticker tags on hand as a workaround when metalized content is present in the recommended area of application.

## Installation Height:

Best practice is to mount the reader 4-6 ft above the highest tag placement and angle the reader down and across (45 degrees) the read lane.



**#9947426**  
**W26 Stock Windshield Sticker Tags (Packs of 25)**

**#9988807**  
**Special Programed Windshield Sticker Tags (Min. 200)**



**#9988823**  
**Stock W26 Hang Tags (Packs of 25)**

**#9988831**  
**Special Programed Hang Tags (Min. 200)**



**#9224726**  
**Stock W26 External Tags (Packs of 25)**

**#9215255**  
**Special Programed External Tags (Min. 200)**



**#9224718**  
**Stock W26 External Heavy Duty Tags (Packs of 10)**

**#9219641**  
**Special Programed External HD Tags (Min. 10)**