

# LR-3000 UHF Long-Range Reader



## Overview of Solution

AWID's Model LR-3000-B-U reader is used in RFID applications like gate access to parking facilities and gated communities. It provides hands-free access to automated gates and doors, at a fraction of the product and installation cost of a toll-highway type of reader and tag. The LR-3000 reader also serves disabled users for door and elevator access in buildings, and forklifts in industrial plants. AWID offers 5 different types of vehicle-mounting tags, and 2 types of hand-held cards, to assure optimum solution in many applications.

## Value Proposition

- Wiegand and RS-232 interfaces, for all standard access control and special control systems.
- Codes in long-range vehicle tags identical to codes in credentials for proximity readers systems.
- Mix-and-match reader and credentials types in the same access control system.
- Installation like other types of card readers, using same controller panels and system software.
- Passive tag technology for unlimited tag and card life.
- Modest cost for a strong package of product features and applications.

## Questions to Identify Potential Customers

**Q#1:** Is individual identification of cars or trucks or other vehicles required in the application?

**Q#2:** Can the vehicles move in a specific lane toward the reader?

**Q#3:** Will vehicles move at speed of about 15 miles per hour, or less?

**Q#4:** Can the encoded tag or card be aligned with the reader, facing the reader directly at the reading distance (typically 15-20 feet), with clear line-of-sight between the tag and the reader?

**Q#5:** Is there a hand-held application in which the need to hold the tag or card can be eliminated by a hands-free product?

## Competition

- TransCore
- Nedap
- (Toll highway readers)

## Contacts

Eastern Region: Julie Crawford Phone: 847-828-6496

[J.Crawford@awid.com](mailto:J.Crawford@awid.com)

Western Region: Mike Raudabaugh Phone: 714-585-6989

[M.Raudabaugh@awid.com](mailto:M.Raudabaugh@awid.com)

Technical Support, Applications: Leigh Hickcox Phone: 203-268-8566

[L.Hickcox@awid.com](mailto:L.Hickcox@awid.com)

# AWID – LR-3000 UHF Reader

## Key Features

- Long reading distance – up to 25 feet.
- Small, attractive reader – single unit, slim design.
- Easy installation – plug-and-play reader; quick wiring.
- Wide selection of credentials – 7 tags and cards.
- Unlimited tag or card life – passive; no battery.
- Flexible data output – variable read repetition rate.
- No cross-talk with other readers – settable RF field.
- RF output as needed – reader has an arming control.
- 2 status LEDs – indicate power on and tag reading.
- Mix with other readers – same codes and interface.
- May be exposed to weather – indoor/outdoor use.



## Key Differentiators

- Replaces hand-held cards or fobs, and reader at side window.
- Makes vehicle identification fully automatic.
- Eliminates stopping the car for code reading.
- Lets the gate be open as the authorized vehicle reaches it.
- Works with a buried loop or pressure sensor for gate control.
- Compatible with other access control devices in the same system.
- Installs like a proximity reader – same tag codes & data interface.
- Mates with other AWID readers for other applications.
- Ideal upgrade from legacy system – same cable, mounting, power.



## Material List

- LR-3000-B-U UHF reader
- LR-MB-0-0 mounting bracket
- Tags and cards (see list)
- LR-KIT-0-0 installation kit
- DC power supply, 12 V, 2.5 A
- Pole, post or pedestal
- Cable for data
- Cable for DC power
- Vehicle sensors
- Gate, gate motor
- Access control system

