

## Technical Reference

### **Tags and Cards for Long-Range Readers – Instructions for Users**

#### **Change History**

Version	Date	Author	Comments
1.0	19 September 2012	L. Hickcox	First release.

*When an AWID long-range UHF reader is installed for parking access, garage door operation, or automated vehicle identification, it is best if a specialist in operation of the system supervises the attachment of tags on vehicles and advises the users on good driving techniques. This contributes to good tag-reading performance by the reader.*

*This memo contains instructions for using the tags and cards, and information for the users (drivers).*

#### **Tags and Cards**

The attached “Installation Instructions” show the Credentials (encoded tags and cards) that match the UHF reader model. These General Rules also are in the “Installation & Operation Manual” for the UHF long-range reader (Section 6.1).

1. Study the General Rules. Select the rules that apply to this installation. Use these when instructing the users.
2. Identify the tag or card type that is used in this installation. Use these instructions for attaching the tags to vehicles, or for holding the cards.

#### **Readers**

The “Installation & Operation Manual” contains much information that may be helpful to users, as well as installers. The Manual can be downloaded from AWID’s Web site.

The “Quick Installation Guide” for this reader is inserted in the white carton in which AWID ships the reader. It too has useful information in short form.

In the Manual’s Section 9, “Applications”, select the sub-section that describes this type of reader and tag configuration. Use this to picture the arrangement of the reader and tags.

#### **Driving Techniques**

The drivers easily learn the techniques that result in quick and reliable tag reading.

1. Use the assigned tag or card in the way that the system’s administrator advises.
2. Drive in the marked lane, as instructed by the administrator.
3. Drive in a straight line, as close to the reader as allowed by the lanes, as the tag passes in front of the reader.
4. Align the tag or card with the reader at that reading zone. They should be about parallel (same slope and angle).
5. Drive at a speed of about 15 miles per hour through the reading zone – faster if possible, slower if necessary.
6. Continue moving toward the gate. Stop the vehicle only if necessary while waiting for the gate to open.

**Reference** AWID’s “FAQs” for the LR-2000 reader contains much useful information.

**Attachment** Installation Instructions for compatible tags and cards.

**Notes** AWID’s long-range UHF readers and credentials are *not* like toll highway tags. AWID’s credentials use passive tag technology (no battery). Reading distance and vehicle speed are less than with toll tags.