

## Instructions for Use

### CS-UHF and GR-UHF Cards

#### **PLEASE READ BEFORE DISTRIBUTING CARDS**

*The CS-UHF Clamshell Card and the GR-UHF Graphics Card are for identification of people in access systems that use AWID's UHF long-range readers LR-2000, LR-2200, LR-3000, and small wall-mounted UHF readers. The cards are presented to the reader by hand. The installing dealer must give instructions to the customer for the end users.*

#### **READER LOCATION**

The UHF **long-range reader** is usually installed facing a clear, open, balloon-shaped space, about 30 feet long and 16 feet diameter. An adjustable-head bracket lets you aim the reader toward the location of vehicle tags and hand-held cards. The long-range reader may be dedicated to use with these UHF cards only.

The UHF **wall-mounted reader** is usually installed on a wall close beside a controlled-access door or gate for pedestrians.

#### **CARD READING LOCATION**

- The UHF **card** must be held by hand inside the reader's effective RF field, usually 15 to 20 feet in front of the long-range reader, or up to 6 inches in front of the small reader.
- The card reads best if it is in line with the reader, face-to-face, with clear line of sight between the card and the reader.

#### **VEHICLE CHARACTERISTICS**

With the UHF long-range reader, it is possible for the hand-held card to read through the windshield or a side window. A few vehicles may have **metallic coating** on the windshield, or **wires embedded** in the glass, which shorten the read range. If so, the card's user may need to hold the card through the open side window, facing toward the reader.

#### **TEST FOR RELIABLE CARD READING (with a Long-Range Reader)**

1. Move the vehicle so that the selected card reading location is in the reader's effective RF field. At the selected card location, hold the card squeezed between the thumb and the fingers, so that the hand is behind the card and the fingers do not cover the face of the card. The card should face the reader directly.
2. Card reads are indicated by AWID's LR-Sounder clipped to the reader's wires, or by the reader's LED, or by gate or door opening. (Do not attach the card to any material for testing. It must be unattached, squeezed between fingers.)

#### **USING THE CARDS**

- Hold the card by supporting it between the thumb and the fingers. The hand should be behind the card. The fingers should not extend over the face of the card.
- At the planned reading distance, align the card with the face of the reader.

#### **FOR END USERS**

- Prepare written instructions for the customer.
- Train the customer's technician in use of the cards.

