

Maximum RFID

CREDENTIALS for UHF READERS LR-2000, LR-2200, LR-3000 & UA-612

VEHICLE-MOUNTED TAGS

WS-UHF-0-0 Windshield Tag

- Self-adhesive tag applied inside windshield
- Hands-free vehicle identification
- Secure tag permanently attached directly on glass
- Out of driver's vision slim, neat design

RV-UHF-0-0 Rearview Mirror Tag

- Self-adhesive tag applied to rearview mirror frame
- Hands-free vehicle identification
- Secure tag permanently attached on inside mirror
- Almost invisible tag's black side faces windshield

VT-UHF-0-0 Sunvisor Tag

- Clip-on tag for sunvisor reads through windshield
- Quick access driver lowers sunvisor to read tag
- Held by plastic clip out of sight between reads
- Easily moved from one vehicle to another by user

HT-UHF-0-0 Hangtag for Inside Mirror

- Hook-on tag hangs on post of inside mirror
- Hands-free vehicle identification
- Visible through windshield for printed identification
- Can be moved to other vehicles or hidden from view

MT-UHF-0-0 Metal-Mount Bar Tag

- Variety of uses inside or outside, fixed or movable
- Use tag's adhesive or fasteners or hook & loop tape
- Ideal for big trucks & buses tag facing side of lane
- For other uses forklifts, golf carts, wheelchairs...

HAND-HELD CARDS

CS-UHF-0-0 Clamshell Card

- Rugged hand-held slotted card for these UHF readers
- Squeeze between thumb & finger aim outside window
- For vehicle gate access and people at doors in building
- May have adhesive overlays for photo ID badging

GR-UHF-0-0 Graphics-Quality Card

- Slim hand-held card for direct photo ID badge printing
- Squeeze between thumb & finger aim outside window
- For vehicle gate access and people at doors in building
- Uses: vehicle ID, door access, photo ID badge, bar code

















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Reading Distances - Rated Up To These Distances In Practical Applications

Tag or Card	LR-2000, LR-2200	LR-3000	UA-612
WS-UHF-0-0	25 feet (7.6 meters)	25 feet (7.6 meters)	(Not applicable)
RV-UHF-0-0	20 feet (6.1 meters)	20 feet (6.1 meters)	(Not applicable)
VT-UHF-0-0	15 feet (4.6 meters)	15 feet (4.6 meters)	(Not applicable)
HT-UHF-0-0	10 feet (3.0 meters)	10 feet (3.0 meters)	(Not applicable)
MT-UHF-0-0	25 feet (7.6 meters)	25 feet (7.6 meters)	(Not applicable)
CS-UHF-0-0	25 feet (7.6 meters)	25 feet (7.6 meters)	6 inches (15 cm)
GR-UHF-0-0	20 feet (6.1 meters)	20 feet (6.1 meters)	6 inches (15 cm)

Reader Selection

Vehicle-mounted tags: Use with these UHF long-range ("LR") readers only.

Hand-held cards: Use with these UHF long-range readers and also UA-612 readers.

Technology in Tags and Cards

UHF communications: Bi-directional between UHF readers and credentials.

Excitation frequency: 865-868 MHz for LR-2200 readers; 902-928 MHz for other readers.

Set in the readers. For "LR" readers, rep rate is 3 reads per second (field-programmable to slower rates). Read repetition rate:

Encoding for Tags and Cards

Code format types: Wiegand type for general use; other types on special order.

Open codes - 26 bits and 37 bits. Proprietary codes - up to 50 bits. Special formats - call AWID. Code format options:

Information Required in Purchase Order (Include leading zeros in facility code and ID numbers)

1. Credential part number and quantity.

2. Code format name (nn-bit-FFF, where nn = total number of bits, and FFF = 3 letters for format assignment). Example: 26-bit-STD.

Facility code (also called site code or company code).

4. Starting and ending numbers for the individual identification numbers (in sequence).

Environmental Conditions

Operating temperature: -31° F to +150° F (-35° C to +65° C).

Operating humidity: 0% to 95% non-condensing.

Exposure to sunlight: Remove UHF cards from direct sunlight inside closed vehicles in hot weather.

Size of Tags and Cards

Tag or Card	Width	Height	Thickness	Notes
WS-UHF-0-0	4 inches	1 inch	<1/32 inch	Peel-off sheet covers adhesive.
RV-UHF-0-0	4-3/16 inches	1-1/8 inches	<1/32 inch	Peel-off sheet covers adhesive.
VT-UHF-0-0	4-1/2 inches	2-3/8 inches	1/32 inch	Plus U-clip for sunvisor.
HT-UHF-0-0	2-1/4 inches	6-1/2 inches	1/32 inch	With hook to hang on mirror.
MT-UHF-0-0	8 inches	15/16 inch	1/4 inch	Peel-off label covers adhesive.
CS-UHF-0-0	3-3/8 inches	2-1/8 inches	0.065 inch	1 side has beveled edges.
GR-UHF-0-0	3-3/8 inches	2-1/8 inches	0.033 inch	ISO specifications.

Slots and Holes

WS-UHF, RV-UHF, HT-UHF: Must have no slots or holes, punched or drilled.

VT-UHF: Contains a slot for the sunvisor clip (supplied with the tag).

MT-UHF: Contains holes at the ends for screws, rivets, wire ties. Must not be punched or drilled.

CS-UHF: Contains a molded slot for "portrait" hanging from a clip-strap, lanyard or flexible chain.

GR-UHF: May be slot-punched or drilled only at the locations shown on the instructions (included in the shipment).

Applications

Credentials may be used on cars, trucks and buses of all sizes, and on special vehicles (fire trucks, forklifts, motorcycles, golf carts, wheel chairs, gurneys).

For security, WS-UHF and RV-UHF tags rip apart when they are removed from their original positions.

For user convenience, all other tags and cards may be moved easily from one vehicle to another vehicle.

Credential type and mounting location must be consistent for all readers in a particular installation.

If used with a "HiLo" reader (dual antennas), credentials may be different types, in different locations, on different vehicle types.

CS-UHF and GR-UHF cards read on "LR" readers through driver's window, and also on UA-612 reader for people access in buildings.

Installation Guidelines for UHF Credentials

Before installing these credentials, read AWID's "Installation Instructions" sheet. It contains guidelines and specific steps for using these credentials.

Options and Accessories

LR-KIT Installation Kit: Required – a one-time purchase for the installing dealer.

Contact your AWID Representative. Custom graphics:

Instructions

Download product sheets, instructions, Technical Reference issues, and Technical Support memos.



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