![AWID - Applied Wireless ID]

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Installation Instructions
ST-UHF Supertag

**PLEASE READ
BEFORE ATTACHING TAGS**

The ST-UHF Supertag is for vehicle identification in access systems that use AWID's UHF long-range readers LR-2000, LR-2200, LR-3000, and their "HiLo" variations. This tag is specialized for rugged service conditions with extended range in industrial and commercial applications. The installing dealer must give instructions to the customer.

READER LOCATION

The UHF long-range **reader** is usually installed facing a clear, open, balloon-shaped space, about 40 feet long and 16 feet diameter. An adjustable-head bracket lets you aim the reader toward the location of tags. The reader must be mounted where it faces the planned location of the ST-UHF tag. A common reader location is on a post or pedestal or wall beside the lane, aimed straight across toward the side of the vehicle or container. Others reader locations can work well.

TAG LOCATION

- The ST-UHF **tag** must be installed inside the reader's effective RF field, usually 5 to 35 feet in front of the reader.
- The tag reads best if it is in line with the reader, face-to-face, with clear line of sight between the tag and the reader.
- The ST-UHF tag is usually attached permanently to a flat surface outside a truck, trailer or container. It may be exposed to weather.

The ST-UHF tag can be carried between vehicles or containers. Its uses may be temporary or permanent.

APPLICATION CHARACTERISTICS

- The ST-UHF tag may perform best when it is fastened on a large metal surface.

TEST FOR RELIABLE TAG READING

1. Move the vehicle or container so that the selected tag location is in the planned reading space. At the selected tag location, support the tag using wire or cable ties, or tape over the flat corners of the tags. Tape should be easily peelable (masking, electrical, duct tape – not clear mending or sealing tape). Keep the tag facing the reader directly.

2. Do not use adhesive behind the tag to hold it for testing. The same test tag may be used repeatedly.

3. Tag 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.

ATTACHING THE TAG

- **By adhesive**: Use double-side adhesive tape, or sealant, or suitable liquid adhesive. Press the tag firmly against the flat surface. Allow adhesive to cure for permanence.

- **By fasteners**: Select suitable screws or rivets. Hardware should be stainless steel or brass or Nylon. Mark and drill holes in the flat mounting surface. Insert washers under screw heads.
  For **removable tag**, use round-head or hex-head machine screws.
  For **permanent tag**, apply adhesive or double-stick tape behind the tag.
  Use security-head machine screws or rivets to prevent removal of the tag.

ALTERNATIVES   AWID has other tag types for installation inside and outside vehicles of all types. Please see AWID's "UHF Credentials" product sheet, or talk with the Sales or Technical staff.

FOR END USERS   Prepare written instructions for the customer. Train a technician in this installation procedure.