



ALR-S350 SLED HANDHELD

UNIVERSAL MOBILE RFID WITHOUT THE HASSLE

The Alien Technology[®] ALR-S350 UHF Passive sled:

- Enables access to latest high speed communication infrastructure
- Provides ability to use iOS[®] or Android[®] mobile devices
- Designed For All-Day Use

FEATURES

- Supports Apple iOS[®] and Google Android[®] via Smart Device
- Enables LTE and 802.11ac/ad via Smart Device*
- Available for ETSI, India & FCC Operation
- ERP 2W/EIRP 3.3W
- 2D imager supporting all major 1D / 2D barcodes
- Ergonomic 350 g / 12.3 oz
- Robust Quad Lock[®] physical smart device connection
- Bluetooth Low Energy communications to Smart Device

APPLICATIONS

- Retail
- Warehouse
- Work in Progress
- Transportation
- Missing item location



| Feature | Enabled By | Benefit |
|---|--|---|
| Long battery life | <ul style="list-style-type: none">• Double-capacity single battery• Low power electronics | <ul style="list-style-type: none">• Up to 24 hours of intensive use |
| Robust Design | <ul style="list-style-type: none">• Dust and water ingress protection (IP54)• Solid drop tested design (1.5m/4,9ft)• Quad Lock[®] robust phone mounting | <ul style="list-style-type: none">• Robust to normal knocks and drops despite being a sled form-factor |
| Simple to use | <ul style="list-style-type: none">• Effortless Bluetooth 4.2 (Low Energy) connectivity• Single battery operation - only one battery to manage | <ul style="list-style-type: none">• Simple smart device pairing• No battery swapping required for full day use• Dual battery systems may not operate when one of the batteries is weak |
| Operating System and Communications Technology Agnostic | <ul style="list-style-type: none">• Sled design splits RFID from Communication and O/S• Download Apps from the Apple App Store or the Google Play Store | <ul style="list-style-type: none">• Use Android or iOS• Use LTE of next gen 5G services• Use latest WiFi 802.11ac, ad etc• Use a phone, tablet or media player (e.g. iPod Touch) |

* Features may vary depending on Smart Device specifications



ALR-S350 UHF Passive RFID Sled

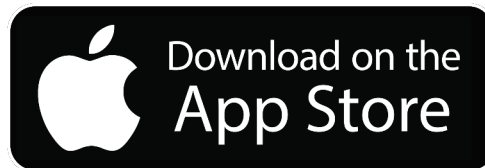
Universal Mobile RFID without the Hassle

Unlike competitive sled units, the Alien ALR-S350 comes with everything required to begin use. All the user needs to provide is the phone, tablet, or a simple media player such as an iPod touch. Included are:

- ALR-S350 RFID sled
- Li-Po double capacity 7000mAh 3.7V battery
- Multi-national power adapter/charging kit
- Cradle/dock with spare battery charging slot
- Micro USB cable for charging your smart device when the ALR-S350 is docked and charging



To get started, simply visit the appropriate App Store for your device and download the Alien RFID Application, pair your device and you are ready.





RFID

| Feature | Description |
|-------------------------|--|
| Standards | ISO 18000-63 (EPC Class 1 Gen2v2) AES authentication in accordance with ISO/IEC 29167-10 supported |
| Frequency | See table for specific model region |
| RF Power | See table for specific model region |
| Antenna features | Software controlled antenna modes: linear (horizontal & vertical), circular and proximity Nominal reading distance: Linear polarization mode 7 m/22 ft (crossed dipole) |
| Read Speed | Up to 200 tags per second |

Bar Code

| Feature | Description |
|------------------|--|
| 2D Imager | All major 1D barcodes and 2D codes High visibility LED aimer 2 character pre and post fixes, padding, replacement Enhanced aiming mode (automatic switching between scan line / aiming dot) Configurable scan alert sounds |

User Interface

| Feature | Description |
|----------------------|---|
| Keys | Power and Unpair a Bluetooth device Trigger button |
| User Feedback | 3 LEDs and buzzer |

Communications

| Feature | Description |
|---------------------|---|
| Wireless PAN | Bluetooth 4.2 (Low Energy) Class 2 Supported profiles: GATT, HID |

Power

| Feature | Description |
|------------------------------|---|
| Battery | Rechargeable, removable Lithium-Ion battery pack 7000 mAh, 3.7V |
| Charging of S350 | Charging in cradle (0 to 100 %) 5 h Charging over micro USB connector (0 to 100 %) 5–10 h |
| External power supply | AC adapter for desktop charger: input 100–240 VAC, 0.6 A, 50–60 Hz / output 5.2 VDC, 3 A, 15 W / Power adapter for EU, UK or US |



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Universal Mobile RFID without the Hassle

Size and Weight

| Feature | Description |
|------------|---|
| Dimensions | (H) 196 x (W) 83/91 x (D) 21/135 mm (H) 7.7 x (W) 3.3/3.6 x (D) 0.8/5.3 inch |
| Weight | 350 g / 12.3 oz (without battery) 500 g / 17.6 oz (with battery) |

Drop and Shock

| Feature | Description |
|---------------|---|
| Drop & Impact | 1.5m / 4.9ft |
| ESD | Contacts +/- 4KVdc Air discharge +/- 8KVdc |

Environmental

| Feature | Description |
|-------------------|--------------------------------------|
| Temperature | Operating -20 to +55 °C -4 to +131°F |
| | Storage -20 to +60 °C -4 to +140°F |
| | Charging 0 to +45°C +32 to +113°F |
| Relative Humidity | 10 % to 95 % non-condensing |
| Fastening | Quad Lock® |



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Ordering Information

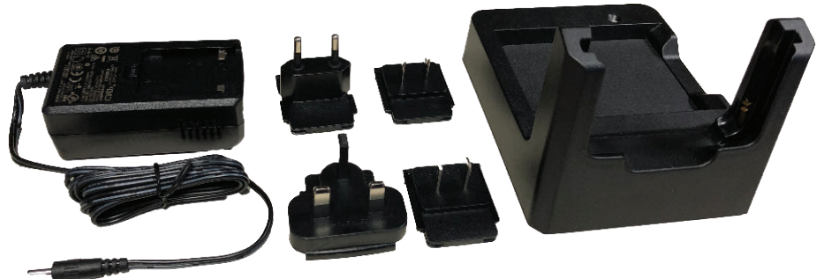
| Model Number | Countries | Frequency | Transmit Channels | Channel Spacing | RF Power | Compliance Certification |
|--------------|--------------------------|-------------------|-------------------|-----------------|----------|---|
| ALR-S350-USA | USA, Canada | 902 - 928 MHz | 50 | 500 KHz | 4W EIRP | Emissions: FCC Part 15 Safety: cTUVus tested to: CAN/CSA-C22.2 No.60950-1-03, and UL 60950-1:2007 specifications IEC 60950-1 and EN60950-1 |
| ALR-S350-EMA | Europe | 865.6 - 867.6 MHz | 4 | 600 KHz | 2W ERP | RED: 2014/53/EU EMC: 2014/30/EU LVD: 2014/35/EU RoHS: 2011/65/EU |
| ALR-S350-IND | India | 865.6-867.0 MHz | 3 | 600 KHz | 2W ERP | Emissions: EN 302-208-2, EN 301-489. Safety: IS 13252 (Part 1) / IEC 60950-1 |
| ALR-S350-JP3 | Japan | 916-921 MHz | 4 | 1200 KHz | 4W EIRP | ARIB STD-T106 |
| ALR-S350-RSA | Republic of South Africa | 915.4-919 MHz | 17 | 200 KHz | 4W EIRP | Emissions : ICASA |

Accessory Ordering Information

| Model Number | Description |
|--------------|---|
| ALX-540 | Docking Station & International Power Supply for ALR-S350 |
| ALX-541 | Quad Lock® Connector for smart devices |
| ALX-542 | Replacement battery for ALR-S350 |



ALX-542 (one included in base SKU)



ALX-540 International PSU & Dock (included in base SKU)



ALX-541 Quad Lock® smart device connector

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HANDLING PRECAUTIONS Observe standard handling practices to minimize ESD.

DISCLAIMER Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general purpose product not designed or intended for any specific application.

This product is covered by one or more of the following U.S. patents: 7716208, 7716160, 7688206, 7671720, 7659822, 7619531, 7615479, 7598867, 7580378, 7576656, 7562083, 7561221, 7559486, 7559131, 7554451, 7411503, 7385284, 7377445, 7364084, 7353598, 7342490, 7324061, 7321159, 7301458, 7295114, 7288432, 7265675, 7262686, 7215249, 7214569, 7199527, 7193504, 7173528, 7172910, 7172789, 7141176, 7113250, 7101502, 7080444, 7070851, 7068224, 7046328, 6998644, 6988667, 6985361, 6980184, 6970219, 6952157. Other patents pending.

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