# SR2 Administrator FAQ
AN1005

This page is intended for administrator reference on the UniKey SR2 Reader and corresponding information.

## UniKey SR2 Specifications

- How much power does the reader use?
  - When running on Low Power mode (default setting), the reader uses 50mA @12VDC.
  - When running on High Power mode, the reader uses 120mA @12VDC.[1]

- What voltage does the reader require?
  - Minimum of 6VDC and maximum of 16VDC

- Does the reader support specific Proximity cards?
  - The reader supports 26 to 37-bit Wiegand prox formats.[2]

- What card technologies does the reader support?
  - 125 KHz prox cards and BLE credentials

- What RFID modulations does the reader support?
  - EM4102 (ASK modulations)
  - ISOProx II (HID Prox II H10301 compatible FSK modulations)

- Can the SR2 replace an existing reader?
  - Yes, simply swap any existing reader with the SR2 and configure within the admin mobile application.

- Can a single-gang reader be replaced by a mullion reader?
  - Yes, the mullion reader comes with a single-gang mount and adapter plate. Single-gang mounting points align with the most popular mullion reader currently installed.

- Is the reader compatible with any regular access control panel?
  - Yes, the reader is compatible with pre-existing access control panels, so long as it supports standard Wiegand protocol output.[3]

[1] Both power modes use pigtail wire connectivity.
[2] In-field firmware will support other bit formats in a future release.
[3] The reader does not support RS-485/OSDP at this time.

## Mobile Device

- What mobile devices are supported?
  - Any Apple device running iOS 10.0 or higher
  - Any Android device running Android v5.0 (Lollipop) or higher, so long as it supports BLE peripheral mode

- Is the mobile device required to have an internet connection for credential use?
  - No, once the credential is accepted on the mobile device, it is stored and available for access without the need of an internet connection.

- Are mobile credentials secure?
  - Yes, the reader uses the UniKey Mobile Credential Platform, which is the largest mobile access control platform in the world with over 100 million+ access transactions to date. This platform is regularly featured in national media for the unparalleled strength of its security architecture. Mobile credentials feature AES128 encryption using a PKI implementation that meets and exceeds the industry's standard practices.

- Are end-users required to present the mobile device to the reader for access?
  - The distance required between the reader and mobile device varies based on settings configured in the admin mobile app. Access distance for each mobile credential is specified by the admin.
    - The credential can be restricted to a short distance; requiring the mobile device to be presented to the reader for access.
    - The credential can be relaxed to a farther distance, thus allowing the mobile device to be in a purse, pocket, or bag for access; this simply requires a hand wave over the reader.

- As an admin, how do I issue/modify/revoke mobile credentials to end-users?
  - Admins control access through a simple web-based portal that allows admins to manage access of any end-user's credential. Issuance, modification, and revocation take effect immediately on the end-user's mobile device.

- Does the BLE connection needed for the mobile credential still work if the mobile device is actively using classic Bluetooth connectivity simultaneously?
  - Yes, having the mobile device on a classic Bluetooth connection (i.e. streaming music or a wireless phone call) does not interfere with reader access.

## Mobile Application

- Is the mobile app required to be active in the foreground for access?
    - No, as long as the mobile app has been launched since last powered on, the mobile app will run in the background without further action.

- As an admin, how do I receive Bluetooth credential credits to issue to end-users?
    - After purchasing credential coupons from UniKey, the admin portal allows for redemption of purchased credential coupons for credits. These credits are sent to end-users within their mobile app as credentials immediately available for access.[4]

- How do I get the admin app?
    - For Apple devices, the mobile app is distributed under the partner's name in the App Store and the partner's website.
    - For Android devices, the mobile app is available under the partner's website as a downloadable APK.

[4] For more information on the Admin Portal, please see Related Documents.

Related Documents

## UG1001: Administrator Portal User Guide

For use by admin in creation and maintenance of web-based portal. Allows admin to setup and maintain Organizations and control issuance of credential credits.

## UG1002: Administrator Mobile Application User Guide

For use by admin in navigating mobile app, issuing and/or revoking credential credits, and accessing the organization.

## Revision History

| Revised By | Revision Date | Version | Change Summary |
|---|---|---|---|
| RLJ & EKC & MBM | 9/27/2017 | 1.0 | Initial Release |