



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

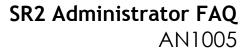
UniKey SR2 Specifications

- How much power does the reader use?
 - o When running on Low Power mode (default setting), the reader uses 50mA @12VDC.
 - o 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?
 - o The reader supports 26 to 37-bit Wiegand prox formats.2
- What card technologies does the reader support?
 - o 125 KHz prox cards and BLE credentials
- What RFID modulations does the reader support?
 - EM4102 (ASK modulations)
 - o 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?
 - o 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?
 - o 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?
 - o For Apple devices, the mobile app is distributed under the partner's name in the App Store and the partner's website.
 - o 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