

## KR100-M User Manual

The KR100 reader is a RFID proximity card and Bluetooth reader for Kastle access control systems. It is intended to be used in conjunction with an access control board such as a KZDM, KZSRDR, or Axiom Control Board.

### Notes on Use:

- Operating Temp: 0-49 degrees C
- Must use 22 AWG or larger with a wire run no longer than 500 ft
- All Wiring shall be in accordance with the National Electrical Code, ANSI/NFPA 70
- The Reader is to be mounted in a protected premise



To install and use the reader:

- Connect the reader wires using wire nuts or beanie wire connectors to the existing wire run coming out of the mounting hole or receptacle box. Make sure to connect all wire by color white to white, green to green, black to black, and red to red. (green with stripes and white with stripes to be used for Wiegand data connections)
- Remove the reader backplate. Mount the backplate to the wall / or door frame by securing screws through mounting holes. Push wire bundle back in to mounting hole or receptacle box. Mount the reader to the backplate.
- After the reader is terminated and connected on both ends and power is applied, the red LED should blink for 30 seconds and then turn solid blue.

FCC:

IC: Per RSP-100, Sec 4 - Required Notices to the User Radio/broadcast products shall comply with the requirements to include required notices and/or statements to the user of the product for each unit of the product offered for sale. The required notices shall comply with the following requirement:

- The notices shall be as specified in the applicable RSS regulation(s) to the product.
- These notices shall be shown in a conspicuous location in the user manual for the product, or to be displayed on the product — variable formats are acceptable for providing the notices (i.e. in paper form, CD, DVD, or insert with download link on the company's website).
- If more than one notice is required for multiple product versions, the product version to which each notice pertains should be identified.
- The suppliers of radio equipment shall provide the notices and/or statements in both English and French.
- In cases where the user notifications are only available in one language (English or French) at the time of the certification process, the applicant shall provide a declaration in writing that the user notices and/or statements to the user of the product will be in both English and French when the product is for sale and/or lease in Canada.

**FCC Part 15.19 Warning Statement-**

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

**FCC Part 15.21 Warning Statement**

NOTE: THE **GRANTEE** IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

**FCC Part 15.105(b) Warning Statement-**

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**IC RSS-GEN, Sec 8.4 Warning Statement-**

**ENGLISH:**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**FRENCH:**

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.