

KR210-K User Manual

The KR210-WMAE 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
- 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:

- Power Down: Ensure kiosk power is completely OFF before servicing.
- ESD Safety: Wear an ESD wrist strap and ground yourself to avoid static damage to the PCB.
- Access Panel: Remove the kiosk front panel or access cover to expose the RFID reader assembly.
- Remove Existing PCB
- Locate the RFID Reader PCB within the kiosk assembly.
- Disconnect all connectors attached to the board, paying attention to:
- P701 (9-pin header): Main signal/power interface.
- P301 (8-pin header): Secondary I/O or reader interface.
- Gently release each connector by pressing the latch (if present) and pulling straight up — do not twist or pry.
- Remove mounting screws securing the PCB to the chassis or standoffs.
- Lift the old PCB out carefully.
- Align the new RFID Reader PCB onto the same standoffs and secure.
- Plug the 9-pin header (P701) connector into the corresponding socket on the new board.
- Plug the 8-pin header (P301) connector into its corresponding header.
Ensure proper orientation — keyed connectors should align naturally without force.
- Verify that all connectors are fully seated and wires are not pinched or stressed.
- Reinstall the access panel or cover.
- Restore power to the kiosk.
- The RFID reader LED indicators should illuminate during startup.
- Test RFID card or credential detection.
- If the reader fails to respond, power down and recheck all header connections.

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- (Required for all Part 15 devices)

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- (ONLY Required for 15.109-JBP devices)

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- (Required for license-exempt devices)

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.

RF Exposure Statement:

The device has been evaluated to meet the general RF exposure requirements. The device can be used in portable exposure conditions without restriction.