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JIAN BOLAND ID-10

JIAN BOLAND ID-10 RFID Proximity Smart ID Card User Manual

Model: ID-10

Introduction Features Setup Operation Maintenance Troubleshooting Specifications Support

1. Introduction

The JIAN BOLAND ID-10 RFID Proximity Smart ID Cards are designed for use in access control systems and time attendance applications. These cards utilize RFID (Radio-Frequency Identification) technology for secure and efficient identification. Each card is read-only, meaning its unique identification number is pre-programmed and cannot be altered or rewritten. They are compatible with standard access devices and ID readers that support EM4100/4102 and TK4100 protocols.



Image 1.1: A stack of JIAN BOLAND ID-10 RFID Proximity Smart ID Cards, showing their uniform white appearance and printed identification numbers.

Important Note: These are RFID cards and are not compatible with IC (Integrated Circuit) cards. They are strictly read-only and cannot be programmed or written to.

2. Key Features

- **Read-Only Functionality:** Each card contains a unique, pre-programmed identification number that can only be read by compatible devices. It is not possible to write new data to these cards.
- **Wide Compatibility:** Designed to work seamlessly with access control systems and ID readers that support

EM4100/4102 and TK4100 protocols.

- **Durable Construction:** Made from high-quality PVC plastic, ensuring longevity and resistance to wear and tear.
- **Convenient Slot Hole:** Each card features a slot hole, allowing for easy attachment to lanyards, keychains, or badge clips for convenient carrying.
- **Standard Card Size:** Dimensions of 3.38 inches x 2.18 inches (85.5mm x 54mm), similar to a standard credit card, making them easy to handle and store.



Image 2.1: An ID-10 RFID card attached to a blue lanyard, highlighting the integrated slot hole for easy carrying.



Image 2.2: A close-up view of an ID-10 RFID card under a magnifying glass, clearly showing the unique printed identification number.

3. Setup and Registration

The JIAN BOLAND ID-10 RFID cards are passive devices and do not require any internal power or configuration. Their setup primarily involves registering their unique identification numbers with your existing access control or time attendance system.

1. **Verify System Compatibility:** Ensure your access control system or ID reader is compatible with EM4100/4102 or TK4100 RFID protocols. Refer to your system's documentation for compatibility details.
2. **Locate Unique ID:** Each ID-10 card has a unique identification number printed on its surface. This number is essential for registration.
3. **Register Cards:** Follow the specific instructions provided by your access control or time attendance system manufacturer to register each ID-10 card. This typically involves entering the card's unique ID number into the system's database and assigning it to a specific user or access level.

4. **Test Functionality:** After registration, test each card by presenting it to a compatible reader to ensure it is correctly recognized and grants the intended access or records attendance.

No software installation or battery insertion is required for the cards themselves.

4. Operation

Operating the JIAN BOLAND ID-10 RFID cards is straightforward once they are registered with your system.

1. **Present the Card:** Hold the ID-10 card within the reading range of a compatible RFID reader. The exact reading distance may vary depending on the reader and environmental factors, but it is typically a few centimeters.
2. **Wait for Confirmation:** The reader will typically provide a visual (e.g., LED indicator) or audible (e.g., beep) confirmation when the card has been successfully read.
3. **Access Granted/Attendance Recorded:** Upon successful reading, your access control system will grant access (e.g., unlock a door) or your time attendance system will record the event (e.g., clock-in/out).



Image 4.1: A hand holding an ID-10 RFID card, illustrating how it would be presented to a reader for operation.

5. Maintenance

The JIAN BOLAND ID-10 RFID cards require minimal maintenance to ensure their longevity and reliable performance.

- **Keep Clean:** Wipe the cards periodically with a soft, dry cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive materials, which can damage the card surface or printed numbers.
- **Avoid Extreme Conditions:** Do not expose the cards to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

- **Prevent Physical Damage:** While durable, avoid bending, scratching, or puncturing the cards. Store them in a protective holder if possible, especially if carried frequently.
- **No Internal Components:** As passive RFID cards, there are no batteries or internal components that require replacement or servicing.

6. Troubleshooting

If you encounter issues with your JIAN BOLAND ID-10 RFID cards, consider the following troubleshooting steps:

- **Card Not Reading:**
  - Ensure the card is held correctly and within the optimal reading range of the RFID reader.
  - Check if the card is registered correctly in your access control or time attendance system. Verify the unique ID number entered matches the one on the card.
  - Test with another known working card to determine if the issue is with the card or the reader.
  - Inspect the card for visible damage (e.g., severe bends, cracks).
- **System Not Responding:**
  - Confirm that the RFID reader is powered on and functioning correctly.
  - Verify the connection between the reader and the access control system.
  - Consult the manual for your specific access control or time attendance system for system-level troubleshooting.
- **Compatibility Issues:**
  - Remember these are RFID (EM4100/TK4100) cards and are not compatible with IC cards.
  - Ensure your reader explicitly supports EM4100/4102 or TK4100 protocols.

If problems persist after attempting these steps, contact the manufacturer of your access control system or JIAN BOLAND customer support for further assistance.

7. Specifications

Attribute	Detail
Brand	JIAN BOLAND
Model Number	ID-10
Card Type	RFID Proximity Card (Read-Only)
Compatibility	EM4100/4102, TK4100 compatible access control systems and ID readers
Material	PVC Plastic
Dimensions (L x W x H)	3.38 x 2.18 x 0.03 inches (85.5 x 54 x 0.76 mm)
Item Weight (per card)	Approximately 0.06 Kilograms (2.08 ounces for a package of 8)
Connectivity Technology	Wireless (RFID)
Batteries Required	No

Features	Slot Hole for lanyard/clip attachment
UPC	785039239897



Image 7.1: An ID-10 RFID card with its length (85.5mm/3.35inch) and width (54mm/2.13inch) clearly indicated.

8. Warranty and Support

For specific warranty information regarding your JIAN BOLAND ID-10 RFID Proximity Smart ID Cards, please refer to the purchase documentation or contact your retailer. For technical support or further inquiries, you may reach out to JIAN BOLAND customer service through their official channels or the platform where the product was purchased.
Please have your product model number (ID-10) and any relevant purchase details ready when contacting support.

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