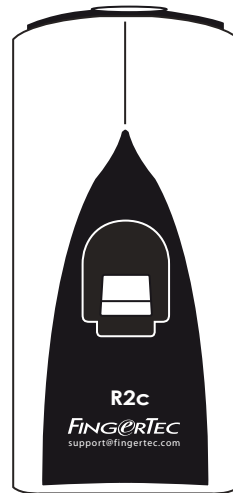


R2c

Slave Fingerprint Access Control Terminal



User Guide

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1 Introduction

LED Light Indicator

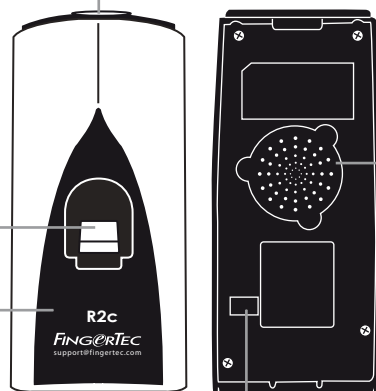
The red light indicates either standby or failed verification. The green light indicates that the fingerprint or card information is being read and sent to the master terminal for verification.

Fingerprint Scanner

Scans and sends fingerprint templates to the master terminal for verification.

Card Scanning Area

Reads and captures details of cards and sends it to the master terminal for verification. The default card technology is RFID and Mifare technology are available upon request.



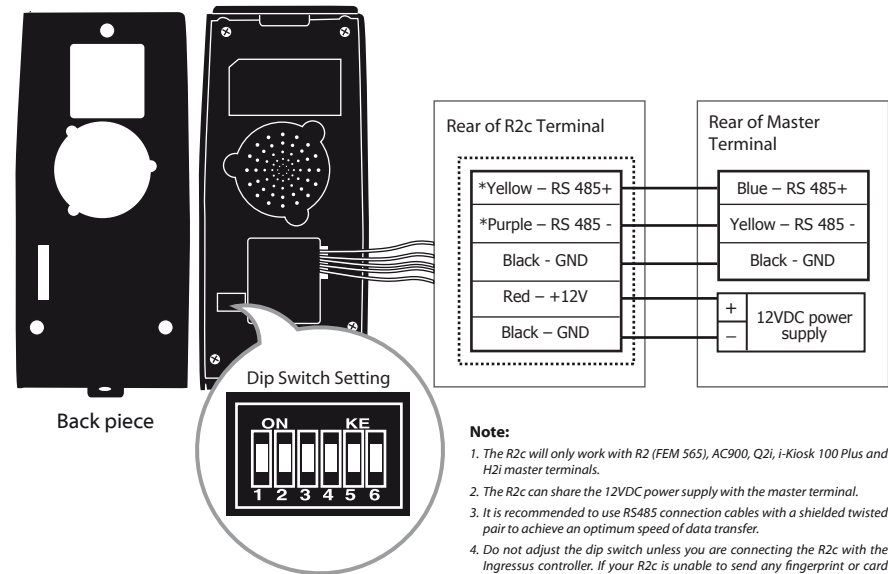
Buzzer

Emits audio indication for verification results.
One beep – Successful verification.
Two beeps – Unsuccessful verification.

Dip Switch

To set the device ID of the terminal. Use this only if you are installing the terminal with an Ingressus controller.

2 Connections & Wiring Diagram

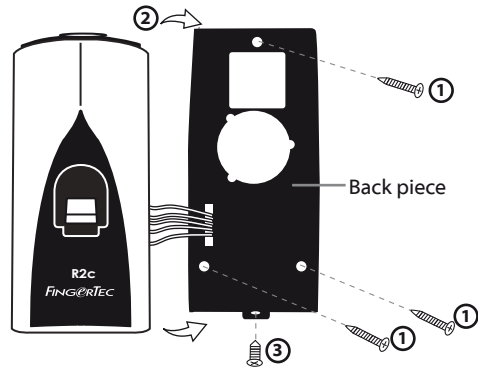


Note:

1. The R2c will only work with R2 (FEM 565), AC900, Q2i, i-Kiosk 100 Plus and H2i master terminals.
2. The R2c can share the 12VDC power supply with the master terminal.
3. It is recommended to use RS485 connection cables with a shielded twisted pair to achieve an optimum speed of data transfer.
4. Do not adjust the dip switch unless you are connecting the R2c with the Ingressus controller. If your R2c is unable to send any fingerprint or card data to the master terminal, please check the dip switch. Make sure it is set to the default settings as highlighted.

3 Installation

Note: Please read the instructions carefully before installing the R2c.



- ① Remove the back piece of the R2c from the main piece. Secure the back piece of R2c onto wall using the 3 screws provided but make sure that you have some space for the wires to go through the hole.
- ② Pass the wire from R2c through the small gap in the back piece.
- ③ Secure the R2c on the back piece and tighten the screw at the bottom.

4 Verification • Fingerprints

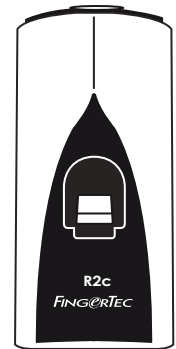
- ① Make sure the R2c is in its standby mode, where the green LED light is blinking and the user's fingerprint has been enrolled into a master terminal before you proceed to verify.
- ② Place a finger on the fingerprint scanner to scan a fingerprint. You will hear a beep, to indicate the fingerprint has been captured and sent to master terminal to verify.
- ③ Verification result:
 - a. **Successful Verification:**
Green LED blinks accompanied by a beeping sound.
 - b. **Failed Verification:**
Red LED blinks accompanied by 2 beeping sounds.

5 Verification • Cards

- ① Make sure the R2c is in standby mode, where the green LED light is blinking and a card ID has been enrolled into a master terminal before you proceed to verify.
- ② Wave card on the induction area to capture the card information. You will hear a beep, indicating the card information has been captured and sent to the master terminal to verify.
- ③ Verification result:
 - a. **Successful Verification:**
Green LED blinks accompanied by a beeping sound.
 - b. **Failed Verification:**
Red LED blinks accompanied by 2 beeping sounds.

NOTE: Specifications are subject to change. Check <http://product.fingertec.com> for latest product information.

SPECIFICATIONS	
MODEL	R2c
SURFACE FINISHING	Acrylonitrile butadiene styrene (ABS)
TYPE OF SCANNER	Non coated optical scanner
MICROPROCESSOR	Managed by master terminal
MEMORY	
ALGORITHM	Support BioBridge VX 10.0
PRODUCT DIMENSION (L x W x H), mm	64 x 42 x 135
STORAGE	
• Fingerprint templates	Storage in master terminal
• Transaction	
ENROLLMENT & VERIFICATION	
• Methods	Fingerprint (1:N) & card
• Recommended fingerprint per user ID	Managed by master terminal
• Fingerprint placement	Any angle
• Verification time (sec)	
• FAR (%)	Managed by master terminal
• FRR (%)	
CARD TECHNOLOGY	
• RFID: 64-bit, 125kHz	Yes
• MIFARE: MF1S50/S70, 13.56MHz	Made to order
COMMUNICATIONS	
• Method	RS485
OPERATING ENVIRONMENT	
• Temperature (°C)	0 ~ 45
• Humidity (%)	20 ~ 80
• Power input	Managed by master terminal
ACCESS CONTROL	
• EM lock driving output	Managed by master terminal
• Alarm output	
• Antipassback	



R2c

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Fingerprint

Card