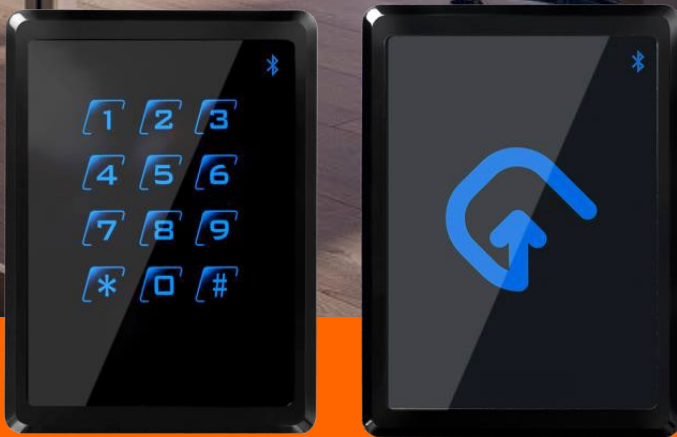


# EP.BSR EP.BSKR

## Bluetooth Multi-technologies Reader



Picture shown is for illustration purposes only. Actual products may vary due to product enhancement.

### Smart phone's App based on iOS and Android system :

- iOS® version – installed in Apple mobile phone, which required iPhone 5s model or above.
- Android™ version – installed in Android™ mobile phone, which required version 6.0 or above.

The smart phone's App needs to assign a card number (authorization) before it works with BT Reader.



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# EP.BSR / EP.BSKR

Bluetooth Multi-technologies Reader

## Modes of Access:

- Show-to-Go: Show the mobile phone in front of the reader to open the door (same as swipe a card)
- Shake-to-Go: Shake the mobile phone to open the door (NOT to turn the mobile phone).
- Hands free: door opened automatically when mobile phone entered in connecting area.
- Manual Button: click the button in the APP to open the door manually.

## Security

Since Bluetooth does not carry any security element, all the communication and data stored inside the App are encrypted with AES128. The authentications as follows:

- 1st Authentication: Dynamic key is used to authenticate both Bluetooth reader and App.
- 2nd Authentication: Reader will check if the App assigned repeated Customer Code.
- 3rd Authentication: Reader will check if the App assigned repeated End User Code.

## Bluetooth Reader & Mobile Phone Apps

- Bluetooth reader supports both Bluetooth + Mifare And /Or DesFire + 125KHz technologies.
- Bluetooth reader can set different reading distance from 0.1m to 5m.
- Support IN/OUT reader configuration.
- Enter password in case of change configuration in the App, allow authorized user to configure: reading range of reader, name a reader, set different Modes of access and modes of IN/OUT reader.
- The App supports Manual Active Button when the app is running normally.
- When there is more than one reader within the reading range, all the names of readers will be popped up on the screen for user to choose which reader should be activated.
- The App shows the strength of detected Bluetooth signal.
- The App supports to run in the background mode of mobile phone.
- Supports to set a validation period of authorization.

# EP.BSR / EP.BSKR

## Bluetooth Multi-technologies Reader

### Reader Specifications

	Standard Reader	Keypad Reader
Reconfiguration Window	5 seconds (Default) or Half an hour after Power up	
Reading Technologies	Bluetooth & Mifare & DesFire&125KHz	
BT Antenna	Directional	
Keypad Output	N/A	4bits(default)/8bits/26bits
Buzzer Control	Reader & Controller control (Default)	
Read Range	BT is configurable 1m~5m;	
Wiring Distance	150m (22 AWG with shielded cable)	

### Apps Specifications

Operating System	Both iOS & Android
Data Encryption	Customer Code + End User Code + AES128
Show-to-Go	Reading distance is adjustable
Shake-to-Go	Phone vibrate when motion is success
Shake Sensitivity	Adjustable

### Operating Specification:

Operating Voltage	10 - 15VDC
Operating Current	150mA (max)
Operating Temperature	-30°C -70°C
Exterior dimension	115.5mm x 84.5 x 20.5mm
Case material	PC+ABS
Standard Color	Black or White
Operating Humidity	10% - 90%
Weight	210g

#### Ordering information:

EP.BSR700 - Bluetooth enabled reader that support multi card format (125KHz & 13.56MHz) with OSDP protocol

EP.BSKR700 - Bluetooth enabled keypad reader that support multi card format (125KHz & 13.56MHz) with OSDP protocol

EP.BSR700-Wie - Bluetooth enabled reader that support multi card format (125KHz & 13.56MHz) with wiegand protocol

EP.BSKR700-Wie - Bluetooth enabled keypad reader that support multi card format (125KHz & 13.56MHz) with wiegand protocol



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