

Magic II Bluetooth

Multi-technology standard and keypad readers



Standard | Keypad

App-based Bluetooth access alongside Mifare, DESFire and 125 kHz credentials. The mobile app must receive a card-number authorization before it can operate the reader.

Design and functions

- Show-to-Go, Shake-to-Go, Hands-Free and Manual Button access modes.
- AES128-protected app data and communication, with dynamic-key, corporate-key and end-user-key authentication.
- Configurable read distance, reader name, IN/OUT role and access mode.
- Password-controlled app configuration and authorization validity periods.
- Reader selection when several readers are within range, with Bluetooth signal-strength indication.
- Background app operation and adjustable shake sensitivity.
- Directional Bluetooth antenna and optional keypad.

Configuration and operation

Configuration window	5 seconds by default or 30 minutes after power-up
Buzzer control	Reader and controller control by default
Mobile authorization	Card-number authorization with a configurable validity period
Security	Dynamic authentication key, corporate key, end-user key and AES128

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Technical specifications

Technologies	Bluetooth + Mifare + DESFire + 125 kHz
App platforms	iOS and Android
Bluetooth range	Configurable; confirm minimum range with TECHOUSE
Antenna	Directional
Output	Wiegand; RS485 optional
Wiring distance	150 m using 22 AWG shielded cable
Keypad output	4-bit default / 8-bit / 26-bit
Supply / current	10–15 VDC / 150 mA max
Temperature	–30 to +70 °C
Humidity	10–90%
Dimensions	115.5 × 84.5 × 20.5 mm
Weight	210 g
Housing / colours	PC + ABS / black or white

Model selection

Model structure	X1 X2 N1 N2 N3 – N4 X3
RF prefix	BT = Bluetooth + Mifare + DESFire + 125 kHz
Function / enclosure	N1: 3 = normal reader; N2: 2 = standard Magic
Reading mode	N3: 2 = UID; 3 = sector
Connection / keypad	N4: 7 = RS485 pigtail optional, 8 = Wiegand pigtail; X3: N = no keypad, K = keypad