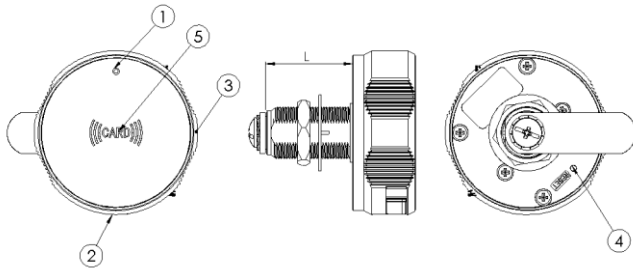


User Manual for Elec. Mifare1/Desfire Cam Lock “Phil”

Product introduction:



1. LED indicator
2. Battery compartment, use Cr2450 button cell battery
3. Type-C port, used for emergency charging
4. Reset button, used for factory setting recovery
5. Sensor area

Usage mode switch:

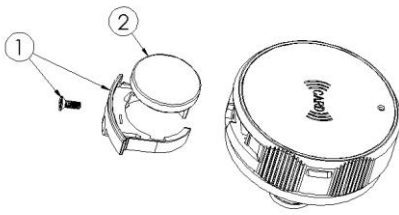
1. The product supports both public and private modes. It is set to public mode by default and can be switched using a tool or an administrator card.
2. Initialization by using a tool: Insert a pin into the reset button through the reset hole on the back of the product, and follow the prompts below (the buttons are cycle switched).
 - 1) Private Mode: Press and hold for more than 3 seconds; a single “beep” indicates the switch to private mode.
 - 2) Public Mode: Press and hold for more than 3 seconds; two “beeps” indicate the switch to public mode;
 - 3) Switch modes via the reset button will delete both administrator cards and user cards.
3. Switch modes by using an administrator card.
 - 1) Private Mode: Use any administrator card to touch the sensor area 4 times in succession; a single “beep” indicates that the system has switched to Private Mode.
 - 2) Public Mode: Use any administrator card to touch the sensor area 4 times in succession; two “beeps” indicate that the system has switched to Public Mode.
 - 3) Switch modes by using an administrator card will not affect the unlocking permissions of any previously registered cards.
 - 4) The switch between private and public modes now cycles back and forth: if the current mode is private, it switches to public; if the current mode is public, it switches to private. A beep is used to indicate the mode change.

Instructions:

1. Compatible smart cards include: contactless IC cards supporting the ISO 14443 protocol (such as MIFARE and DESFire)
2. Card types and function:
 - 1) This proximity card lock supports 30 cards in total, the 1st and 2nd cards are administrator cards by default;
 - 2) Administrator card capacity: 2 cards. Both two cards are capable of adding or removing administrators and users, and switching between operating modes;
 - 3) User card capacity: 27 cards. These cards are capable of unlocking the lock;
 - 4) Temporary card capacity: 1 card. This card is capable of temporarily locking and unlocking the lock in public mode;
3. Register the 1st Administrator card (the first card registered is automatically designated as Administrator 1)

- 1) Touch the sensor area with an unregistered card to complete the registration of the 1st Administrator card;
4. Register the 2nd Administrator card (the second card registered is automatically designated as Administrator 2)
 - 1) Touch the sensor area twice in succession with the Administrator one card to activate the administrator card registration mode (green light is flashing continuously);
 - 2) Touch the sensor area with the unregistered card within three seconds to complete the registration of the 2nd Administrator card.
5. Register general user cards (cards registered from the 3rd to the 29th are set as general users by default)
 - 1) Tap the sensor area three times consecutively with any administrator card to activate the user card enrolment mode (green light is flashing continuously).
 - 2) Tap the sensor area with an unregistered card within three seconds, a single long “beep” will sound, indicating that the user card has been successfully registered.
 - 3) Multiple cards can be enrolled consecutively whilst the enrolment mode is active. Multiple user cards enrolments are completed when green light flashes end.
6. Delete cards
 - 1) Touch the sensor area five times in succession with any administrator card, while the green light is flashing continuously, tap each user card you wish to delete against the sensor area once. When the green light stops flashing, a long “beep” will sound, indicating that the specified user cards have been deleted.
 - 2) Touch the sensor area five times in succession with any administrator card, after the green light flashes continuously for 3 seconds, a long “beep” will sound, indicating that all user cards have been deleted.
 - 3) Touch the sensor area six times in succession with any administrator card, after the green light flashes continuously for 3 seconds, a long “beep” will sound, indicating that all cards, including the administrator card, have been deleted.
7. Private mode:
 - 1) Unlocking: Touch the sensor area once with any registered user card. A long beep will sound to indicate success, then turn the handle to the unlocked position within 3 seconds.
 - 2) Locking: Turn the handle to the locked position by hand and wait for the indicator light turns off.
8. Public mode:
 - 1) In Public Mode, a temporary card must be swiped to lock the door each time; the same temporary card need be used when unlock it;
 - 2) Locking: the handle cannot be turned when the lock is in the unlocked status. The user touches the sensor area once with any type of card which is compatible with this lock, and a long ‘beep’ indicates success. Turn the handle to the locking position within 3 seconds and wait for the indicator light turns off, at this moment, the lock has recorded the temporary card.
 - 3) Unlocking: When the lock is in the locked status, the user touches the sensor area once with the temporary card which used for locking, a long ‘beep’ indicates success. Turn the handle to the unlocked position within 3 seconds. The handle cannot be turned when the unlock indicator light turns off.
 - 4) In public mode, the registered user cards will act as on-site management roles to unlock the door. Once unlocked, the temporary card becomes invalid and cannot be used to unlock the door again.

Battery replacement:

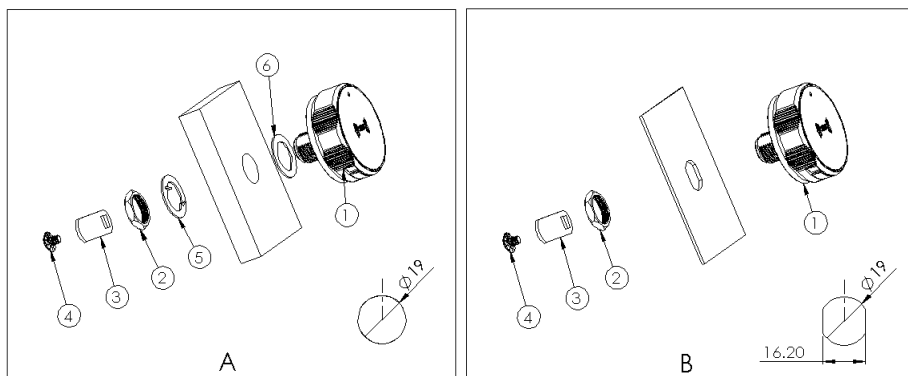


1. Use a screwdriver to remove the screws which are securing the battery compartment, then take out the battery compartment.
2. Replace with a new battery, battery model is Cr2450.
3. Insert the battery compartment into the lock and tighten the screws.

Troubleshooting

Fault Symptoms	Main reason	Solutions
After touching the card, the lock is still at locked status after two beeps.	Wrong card	Use correct card
A continuous sound lasting one minute	Too many incorrect card attempts	Use correct card
After entering the password to unlock, the device emits three consecutive short beeps.	Low battery voltage	Replace with new battery ASAP
Continuous beeping sound	Battery is running out	Replace the battery as soon as possible or use USB power source.

Installation Methods: A. wooden door installation method. B. steel door installation method.



Notes:

1. Battery specifications: Cr2450, battery life: 6000+ times;
2. Working temperature: -10°C~50°C;
3. Please keep administrator card in a safe place. User can only use reset button to restore factory setting when administrator card is missing.