

## DS-K1105 Series Card Reader Release Notes

### (2025-08-18)

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------|
| <b>Device Model:</b><br>DS-K1105EMB, DS-K1105EMKB<br>DS-K1105EMKB-QR<br>DS-K1105EDB, DS-K1105EDKB,<br>DS-K1105EDKB-QR,<br><br><b>Naming Rule:</b><br><b>E</b> for EM card, <b>M</b> for M1 card,<br><b>K</b> for keypad, B for Bluetooth<br><b>-QR</b> for QR reader | Firmware<br>Version | ACS_1105_M5S_GML_GM_V1.0.2_build250818.zip |
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#### **Reason of Upgrade**

Optimize the Bluetooth related function with model DS-K1105 series card reader.

#### **New Features**

1. The latest HCP mobile app for video, K1105 Bluetooth broadcast message has been modified to the latest protocol specified format (manufacturer changed to 0x0E25, signal strength calibration changed to -70dBm at 1m, and a new step to update random number added in the door opening process)
2. Added 485 protocol for infrared remote calibration. After triggering the protocol, the device enters a 5-second calibration period, indicated by flashing red light. Once calibration is completed, the red light stops flashing and the hand-waving door opening function becomes available

#### **Optimized Features**

Wave-to-open door interaction optimization:

1. Detect one wave, and it is valid, indicate with one quick flash of blue light
2. Detect one wave, but Bluetooth function is not enabled, indicate with red light flashing
3. When the number of waves is not met, prompt to continue waving by flashing green light quickly
4. If the required number of waves is not completed and no wave is detected within 5 seconds, stop the green light flashing and beep "di", indicating operation timeout
5. When the number of waves is completed (wave-to-open flag broadcast is triggered), beep "di", indicating wave-to-open door is triggered
6. After wave-to-open door is triggered, if no Bluetooth connection is made with a phone within 5 seconds, beep "di", indicating operation timeout.

## DS-K1105 Series Card Reader Release Notes

**(2025-02-20)**

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------|
| <b>Device Model:</b><br>DS-K1105EMB, DS-K1105EMKB<br>DS-K1105EMKB-QR<br>DS-K1105EDB, DS-K1105EDKB,<br>DS-K1105EDKB-QR,<br><br><b>Naming Rule:</b><br><b>E</b> for EM card, <b>M</b> for M1 card,<br><b>K</b> for keypad, B for Bluetooth<br><b>-QR</b> for QR reader | Firmware<br>Version | <b>ACS_DS-<br/>K1105_M5S_GML_GM_V1.0.0_build250210</b> |
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**Reason of Upgrade**

New model DS-K1105 series card reader first time released.

**New Features**

7. Supports RS-485 protocol, Wiegand (W26/W34) protocol, and OSDP protocol
8. Build-in M1 and EM card reading module (Frequency: 13.56 MHz&125 KHz)
9. Supports Desfire card reading (model with D only)
10. Built-in buzzer for identifying the reading status
11. Supports upgrade through access controller
12. Supports multiple authentication methods such as card swiping, PIN code(model with K only), Bluetooth, QR code(model with -QR)
13. Supports touch panel for operation(model with K only)
14. Supports occlusion detection, with bluetooth, it can realize door open via waving hands

**Sound Prompt Description**

| Sound                   | Description                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 "beep"                | 1. Swipe card 2. Press button 3. The input password length is too long 4. Two button pressing interval is too long (button pressing timeout) 5. Device booting 6. Multiple authentication timeout 7. QR code detected 8. Two consecutive intervals of tampering exceed 5 s |
| 3 slow "beep"           | Multiple authentication timeout                                                                                                                                                                                                                                            |
| 2 fast "beep"           | Card swiping is effective                                                                                                                                                                                                                                                  |
| 3 slow "beep"           | Card swiping is ineffective                                                                                                                                                                                                                                                |
| Continuous rapid "beep" | Buzzer Alarm                                                                                                                                                                                                                                                               |
| Continuous slow "beep"  | Reader unencrypted                                                                                                                                                                                                                                                         |
| 8 fast "beep"           | Card is a copy card (M card)                                                                                                                                                                                                                                               |

**LED Indicator Description**

| LED Status                              | Description                                       |
|-----------------------------------------|---------------------------------------------------|
| Red flash 3 times                       | Multiple authentication timeout                   |
| Solid Green for 3 seconds               | Card swiping is effective                         |
| Red flash 3 times                       | Card swiping is ineffective                       |
| Green flash once, and red flash 3 times | Device rebooting                                  |
| White breathing light                   | Device is on normal working mode                  |
| Red continuous flash - fast             | Card reader dropout, and registration failure.    |
| Green continuous flash                  | Wait in multiple authentication                   |
| Red                                     | Osdp protocol is in standby mode                  |
| Blue flash once                         | Tampering once                                    |
| Red flash twice                         | Two consecutive intervals of tampering exceed 5 s |

### **Customer Impact and Recommended Action**

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action. For any questions and request for this firmware, please contact our local technical support team.

Note:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request.
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