

# DM-20

## Firmware Revision Notes

Version 1.2.1

# Firmware Version 1.2.1 (Build No. 1.2.1\_210323)

Release: 2021-03-29

## 1. New Features and Improvements

1.1. Improved that the Wiegand input signal is correctly transmitted regardless of the hardware version.

- The inverted Wiegand input signal was made due to the Weigand circuit change.

# Firmware Version 1.2.0 (Build No. 1.2.0\_200604)

Release: 2020-06-05

1. New Features and Improvements
  - 1.1. Added feature to change device ID.
2. Bug Fixes
  - 2.1. Mac error occurs when RS-485 communication does not comply with OSDP standard.

# Firmware Version 1.1.5 (Build No. 1.1.5\_190306)

Release: 2019-06-14

1. Bug Fix
  - 1.1. An authentication failure error occurs if setting the Wiegand format to 256 bit when XPass D2 is connected as Wiegand reader.

# Firmware Version 1.1.4 (Build No. 1.1.4\_181031)

Release: 2018-11-28

## 1. New Features and Improvements

- 1.1. When there is the response data with OSDP Secure Session, it responds with 0x16 for SEC\_BLK\_TYPE value and responds with 0x18 when there is no data.

# Firmware Version 1.1.3 (Build No. 1.1.3\_171229)

Release: 2018-04-13

## 1. New Features and Improvements

1.1. When there is the response data with OSDP Secure Session, it responds with 0x16 for SEC\_BLK\_TYPE value and responds with 0x18 when there is no data.

1.2. Verified OSDP compatibility with the latest version of the master device.

- FS2-AWB/D(V1.1.0)
- BSA2-OEPW/OHPW/OIPW/OMPW(V1.5.0)
- BS2-OEPW/OHPW/OIPW/OMPW(V1.6.0)
- CS40(V1.1.0)
- BEW2-OAP/ODP/OHP/OAP(UL)(V1.2.0)
- BSL2-OE/OM(V1.3.0)
- BEP2-OA/OD/ODS(V1.1.0)

# Firmware Version 1.1.2 (Build No. 1.1.2\_170103)

Release: 2017-02-13

## 1. New Features and Improvements

### 1.1. OSDP

- Add two Manufacturer Specific Command (MFG\_RELAY\_ON and MFG\_RELAY\_OFF)
- Support Release Alarm
- Add ability to change Secure Key in Secure Session

# Firmware Version 1.0.15 (Build No. 1.0.15\_160429)

Release: 2016-12-08

1. Bug Fix
  - 1.1. Communication is not possible when encountered a packet size exceeding the maximum OSDP packet queue.



# Firmware Version 1.0.14 (Build No. 1.0.14\_160111)

Release: 2016-01-19

1. Bug Fix
  - 1.1. OSDP ID is changed to zero and communication is not possible if FW upgrade is performed when connecting to BioStation 2 or BioStation A2 as a slave device.

# Firmware Version 1.0.13 (Build No. 1.0.13\_150810)

Release: 2015-08-10

1. New Features and Improvements
  - 1.1. Output the NACK signal when SecuBlock error occurs.
  - 1.2. Change Wiegand Input Interval Time
  - 1.3. Reset the setting values of Supervised Input when press INIT button
2. Bug Fix
  - 2.1. Displays incorrect port number when Supervised Input port is grounded several times.

# Firmware Version 1.0.0 (Build No.1.0.0\_150130)

Release: 2015-01-30

1. Initial firmware developed.



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