

# XPass D2

## Firmware Revision Notes

Version 1.3.2

# Firmware Version 1.3.2 (Build No. 1.3.2\_210408)

Release: 2021-04-12

## 1. Bug Fixes

- 1.1. Card data were output with the wrong BitCount while the device was communicating with a 3rd party controller via OSDP. (Affects version: v.1.0.0)
- 1.2. The LED indicator lighted up in cyan when setting it to blue while the device was communicating with a 3rd party controller via OSDP. (Affects version: v.1.0.0)
- 1.3. Modified to output 4 bits for each key input on the keypad while the device was set as a Wiegand reader. (Affects version: v.1.2.0)
- 1.4. The OSDP LED Temporary command did not work properly. (Affects version: v.1.0.0)
- 1.5. While the device was communicating with a 3rd party controller via OSDP, the device connected as a slave responded that it supported transparent mode by OSDP\_PDCAP even though it did not actually support that mode. (Affects version: v.1.0.0)
- 1.6. Improved the function to operate according to Timer Count when setting the Temporary LED while the device was communicating with a 3rd party controller via OSDP. (Affects version: v.1.0.0)
- 1.7. A 'Receive Timeout' error occurred with a tamper event while the device was communicating with a 3rd party controller via OSDP. (Affects version: v.1.0.0)
- 1.8. When changing the device settings by using the Device Manager while the device was communicating with a 3rd party controller via OSDP, the LED indicator lighted up in blue. (Affects version: v.1.0.0)
- 1.9. Delay occurred when reading a smart card that contained credentials which the device did not support while the device was set as a Wiegand reader. (Affects version: v.1.0.0)
- 1.10. The LED setting did not reflect changes immediately. (Affects version: v.1.0.0)

# Firmware Version 1.3.1 (Build No. 1.3.1\_200721)

Release: 2020-07-22

1. New Features and Improvements
  - 1.1. Added a feature to restore the Config area.

# Firmware Version 1.3.0 (Build No. 1.3.0\_200515)

Release: 2020-06-02

1. New Features and Improvements
  - 1.1. Added feature to change device ID.
  - 1.2. Enhancement in the security of the device.
    - Supports secure tamper.
  - 1.3. Changed the color of LED indicator.
  
2. Bug Fix
  - 2.1. A problem where the DESFire smart card is recognized as CSN after restarting the device when the DESFire Advanced setting is in use.
  - 2.2. A bug where card data is sent with null values.
  - 2.3. An issue where the device sends 32 bytes of card data regardless of byte values of cards when transferring card data via OSDP communication.
  - 2.4. A bug where the PIN is sent instead of the smart card ID when authenticating while the device is set as a Wiegand reader using a smart card with private mode set to Card + PIN.
  - 2.5. A problem where it fails to upgrade the firmware from BioStar 2 when the previous upgrade attempt was done from the Device Manager application but canceled.
  - 2.6. A bug where the device cannot recognize the smart card after deactivating the Smart Card Layout setting.

# Firmware Version 1.2.0 (Build No. 1.2.0\_190715)

Release: 2019-07-16

## 1. New Features and Improvements

### 1.1. OSDP Standardization

- Improved to comply with OSDP V2.1.7 protocol when connecting with 3rd-party controllers.

### 1.2. Supports options for selection by card type.

### 1.3. Improves each key value to be output whenever a key is pressed when communicating with Wiegand.

## 2. Bug Fix

2.1. In the card + PIN authentication mode, if the Auth Timeout is exceeded, the PIN that was already entered is not initialized.

2.2. When the status of Intrusion Alarm Zone is Arm, if the connection with the master device is lost, the LED status indicator does not work in normal color.

2.3. When the device is connected to RS-485 with the default key, the device operates as Wiegand.

2.4. Authentication fails if a user enters the card ID on the keypad when the byte order is set to LSB.

2.5. If the device is connected to a third-party controller, the device cannot transfer card data without setting the secure session.

2.6. The LED status indicator does not work in normal color when the device is disconnected from the Device Manager application.

# Firmware Version 1.1.0 (Build No. 1.1.0\_181129)

Release: 2018-11-30

1. New Features and Improvements
  - 1.1. Support to BioStar 2 Device Manager.
  - 1.2. If the data transmission fails when communicating with OSDP, it is transmitted again.
  - 1.3. Support to DESFire/DESFire EV1 Advanced option.
  - 1.4. Support to AES encryption type for DESFire card.
  
2. Bug Fix
  - 2.1. Modified to upgrade the firmware only if it is a raw data.
  - 2.2. The device cannot read CSN because the card recognized as an NFC tag.
  - 2.3. When communicating with OSDP, the LED color is displayed differently from the setting.
  - 2.4. The device does not reboot when initializing the device settings.
  - 2.5. The maximum value of the Wiegand input interval is output differently from the setting.
  - 2.6. A beep sound occurs even when there is no action or event on the device.
  - 2.7. A beep sound occurs differently from the setting.

## Firmware Version 1.0.2 (Build No. 1.0.2\_180702)

Release: 2018-07-25

Pass D2-MDB

1. New Features and Improvements
  - 1.1. Improves the performance of RS-485 communication.
  
2. Bug Fix
  - 2.1. The device LED displays in the wrong color if the door is opened when the intrusion alarm zone is set to Arm.
  - 2.2. The device does not stop playing the Arm/Disarm Delay Time alarm sound if restarting the master device while the alarm sound is playing in the intrusion alarm zone.
  - 2.3. The device LED displays in the wrong color if pressing the reset button more than 5 times when setting the RS-485 rate.
  - 2.4. The device plays the card scan sound for 10 seconds when authenticating with the mobile card.
  - 2.5. The device LED displays in the wrong color if authenticating by AoC with the unsupported Auth Mode when connected as a slave to a 3rd-party device.

## Firmware Version 1.0.2 (Build No. 1.0.2\_180702)

Release: 2018-07-27

pass D2-GDB, XPass D2-GKDB

1. Add XPass D2(XPD2-GKDB).

# Firmware Version 1.0.1 (Build No. 1.0.1\_180412)

Release: 2018-04-18

XPass D2-MDB

## 1. New Features and Improvements

- 1.1. Improves authentication speed by modifying the mobile device to not transmit the fingerprint data to XPass D2 when authenticating the mobile card via BLE.

# Firmware Version 1.0.0 (Build No. 1.0.0\_180322)

Release: 2018-03-22

1. Initial firmware developed.



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