



X-Station

User Manual

EN 102.00.XST V1.31

www.supremainc.com

Features



X-Station uses RFID card scanner to provide more access control and T&A options.



3.5" color touchscreen LCD provides the X-Station with a powerful and initiative user interface.



The built-in camera provides X-Station the ability to store image logs, perform face detection and feature video intercom capabilities.



X-Station can be directly connected to a PC or server via various interfaces such as an Ethernet or RS485 interface.



X-Station supports up to 16 T&A events and various authentication modes.



X-Station is capable of storing up to 200,000 users, 1,000,000 logs and 5,000 image logs.

Important Safety Instructions

Carefully review the information within the user manual before installing/operating the device.

Pay careful attention to the warning and cautions below as they are here to prevent any risk/damage to any person(s) or property associated with the device.

Warning

Failure to heed these warnings may lead to serious injury or even death!

Installation

- Do not install the device near areas with direct sunlight, high humidity, soot or dust.
- Do not install the device near heat sources such as radiators, heat registers, and stoves.
- Do not install the device near areas of large electromagnetic interference.

Usage

- Do not disassemble, repair or reconstruct the device. Contact your nearest Suprema dealer for technical support.
- Do not obstruct or place wet objects near or on the vent.
- Do not place liquids such as water, beverages and other solutions near/on the device.
- Only use the device its intended use.

Caution

Failure to heed these cautions may lead to minor injury or damage the device.

Installation

- Do not leave cables (especially power cables) exposed to the outer environment.
- Do not install the device near objects with a strong magnetic field such as magnets, computer monitors (especially CRT), TV screens and speakers.
- Use a separate power supply for Secure I/O, electric lock and X-Station respectively. If connecting and using the power supply to these devices together, the devices may malfunction.

Usage

- Do not apply heavy pressure to or use sharp objects with the touchscreen LCD.
- Do not drop or apply any physical shock or impact to the device.
- Regularly clean the product with a soft dry cloth; avoid benzene or alcohol.

Contents

Features	2
Important Safety Instructions.....	3
1 Getting Started.....	7
Components	8
Optional Accessories	9
Product Description.....	10
Front	10
Dimensions	11
Basic Screen Views	12
Standby Screen	13
Authorization Methods	14
Cards for Authentication.....	15

2 Connection.....	16
Installation	17
Rear Panel	18
Cable Specifications.....	19
RS485 Cable.....	19
Ethernet Cable	19
Power and Relay Cable.....	19
Wiegand I/O and/TTL Switch Cable	19
RS485(for PC Connection)/ RS232(for Extension) Cable	19
Power Connection	20
Ethernet Connection.....	20
RS485 Connections	21
Connecting with a PC.....	21
Connecting with Secure I/O.....	21
Connecting with Other Devices	21
Relay Connections	22
Connecting with a Fail Safe Lock.....	22
Connecting with a Fail Secure Lock	22
Connecting with Automatic Doors	23
Input Connection	23



Wiegand Connections.....	24
Connecting a Wiegand Input	24
Connecting a Wiegand Output.....	24
System Setup	25
Standard.....	25
Secure (Secure I/O).....	25
Network Setup	26
3 Device Operation	27
Access Authorization.....	28
Using Card.....	28
Using Card and Face Detection.....	29
Using Card and Password Authorization	29
Using Card, Password, and Face Detection Authorization	30
Using Card and Password Authorization	30
Using ID, Password, Face Detection Authorization	31
Using PIN	31
T&A Authorization	32
T&A Authorization Mode	32
T&A Mode.....	34
Checking Extra T&A Events.....	35
Checking T&A and Entrance Records	35
Authorization Failure Screens.....	36

4 Device Configuration	37
Admin Settings	38
Administrator Registration	38
Entering the Admin Menu	40
X-Station Menu Tree	41
User Management.....	42
User Registration	42
Modifying User Information	44
Deleting Users.....	44
User Search	46
Checking the Registered User Information.....	47
Data Card User Management.....	48
Data Card Registration.....	48
Data Card Format	49
Network Setup.....	50
TCP/IP Setup	50
Server Setup	51
Serial Communication Setup.....	52



Mode Setup	53
Mode Operation Setup	53
T&A Mode Setup	54
Setting T&A Event Options	55
Setting Camera Event Triggers.....	55
PIN Setup for Authentication.....	56
Device Setup	57
Door Setup	57
Time Setup	59
Checking Device Information.....	60
Checking Memory Information.....	60
TouchScreen Calibration	61
Device Reset	61
Factory Default.....	62
Display & Sound Setup	63
Log Management.....	65
Checking the Log List.....	65
Deleting All Logs.....	66
Checking Log Information.....	66

Appendix	67
Product Specifications.....	68
Electrical Specification	68
FCC Rules	69
Font License	69

1 Getting Started

Components

Product Description

Dimensions

Basic Screen Views

Standby Screen

Authorization Methods

Cards for Authentication

Getting Started

Components

Each product package should contain the following items. If any of the following items is missing or damage, contact your retailer immediately.



Ferrite Core (1 ea)



Bracket (1 ea)



Wall Mount Screws (2 ea)



PVC Anchors (2 ea)



Termination resistor (2 ea)



Software (1 ea)



3 pin cable (1 ea)



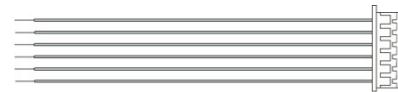
4 pin cable (1 ea)



5 pin cable (1 ea)



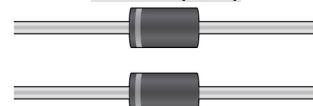
6 pin cable (1 ea)



8 pin cable (1 ea)

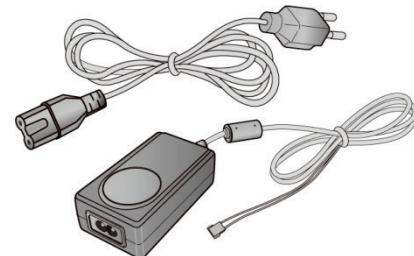


Diodes (2 ea)



Optional Accessories

12V Power Adapter



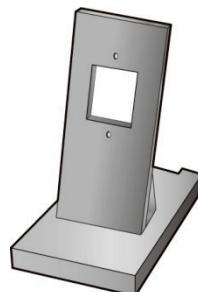
Secure I/O



RF Card

A light gray rectangular card with the letters "RF" printed in a large, bold, black font in the center.

Plastic Stand

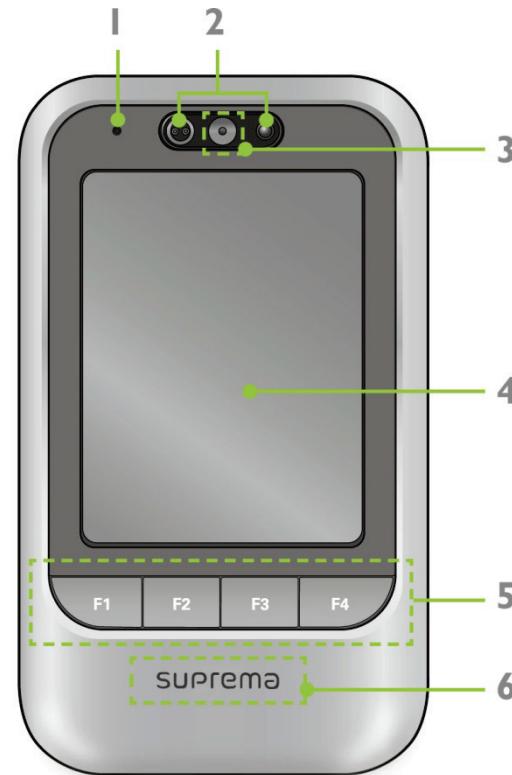


Mifare reader/writer



Product Description

Front



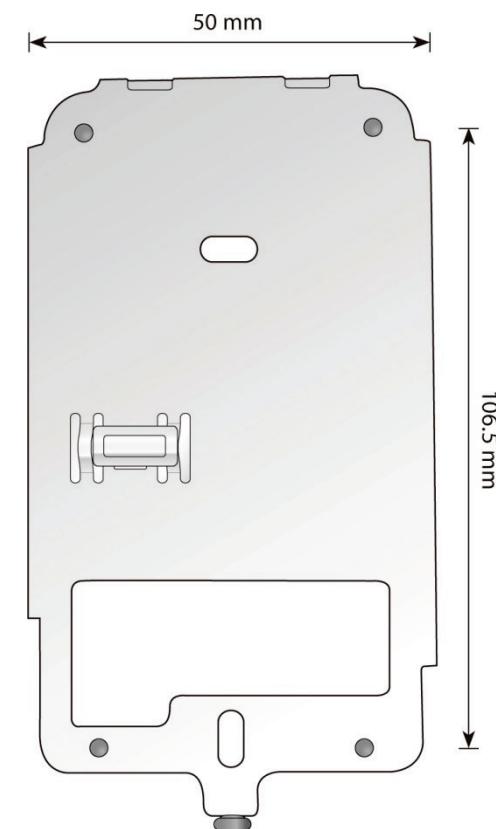
No	Name	Function
1	Microphone	Used to communicate with the interphone.
2	Proximity Sensor	Turns on LCD backlight when user gets close to sensor.
3	Camera	Detects and captures face images and videos.
4	Touchscreen LCD	Used to display the device operating status and device operations.
5	Basic T&A Buttons (F1 ~ F4)	Used to select time & attendance events.
6	RFID Card Scanner	RFID card interface.

Dimensions

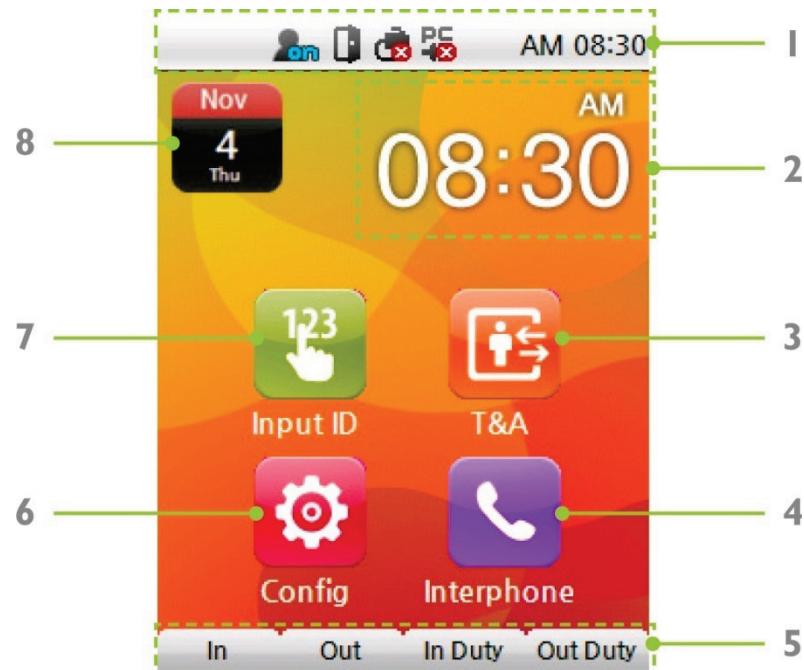
X-Station



Wall Mounting Bracket



Basic Screen Views



No	Name	Function
		Indicates the operational status of the device. The status bar consists of the following icons;
1	Status Bar	Face Detection Enabled LAN Connection Status RS485 Slave Connection Door Status PC Connection Status
2	Time	Time Current Time
3	T&A	Displays current time when "Time Display" is enabled.
4	Interphone	Accesses additional T&A options.
5	T&A Keys (F1~F4)	Initiates a call if an intercom system has been enabled.
6	Config	Used to select a T&A event.
7	Input ID	Accesses the setup menu.
8	Date or T&A Display	Used to input an ID for 1:1 authentication.
		Displays the current date or T&A event.

* If the hardware version of XSM or XSE is respectively higher or v03 and v02, it is the SLC type supporting VoIP, BioStar Videophone and BioStar Lite. The earlier versions are MLC. Analog phone is not supported regardless of the hardware version.

Standby Screen



Logo Screen



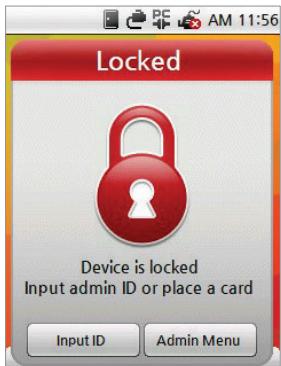
Auto T&A mode Screen



Fix T&A mode Screen



Announcement Screen



Terminal Locked



Security mode On



Data Transfer mode

Authorization Methods

Card Only

Scan a registered card.

Card+Face Detection

Scan a registered card and then perform face detection.

Card+Password

Scan a registered card then enter the corresponding password.

Card+Password+Face Detection

Scan a registered card, enter the corresponding password and then perform face detection.

PIN Only

Enter one of three global PIN numbers.

Card+Password+Face Detection

Enter a registered ID and
then enter the corresponding password.

PIN Only

Enter a registered ID, enter the corresponding password
and then perform face detection.

Note

- Refer to '[Access Authorization](#)' for further explanations.

Cards for Authentication

CSN Card

A CSN (Card Serial Number) is used as the unique identifier for the card.

Data Card

A data card stores information such as the user ID and password directly onto the card.

2 Connection

Installation

Rear Panel

Cable Specifications

Power Connection

Ethernet Connection

RS485 Connections

Relay Connections

Input Connection

Wiegand Connections

System Setup

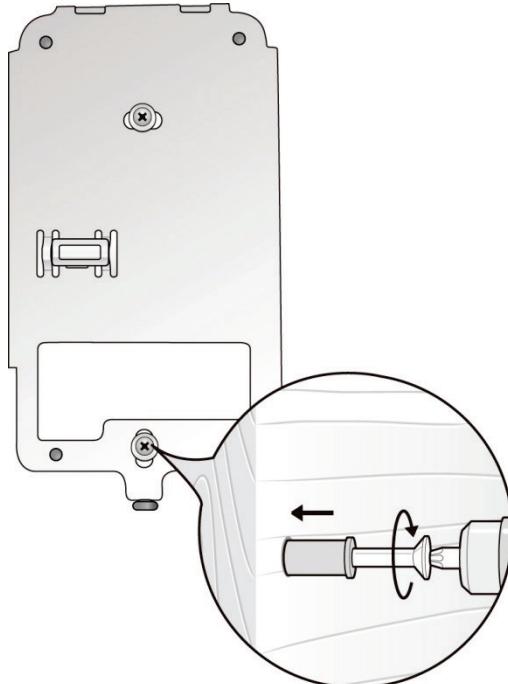
Network Setup

Installation

As X-Station has a built-in camera for face detection and a video intercom system, the correct installation height is extremely important to maximize the performance of the device. Select the optimal installation height for all users.

-
- 1** Place the bracket on the desired location.
-

- 2** Fix the bracket to the location using the anchors and screws.
-

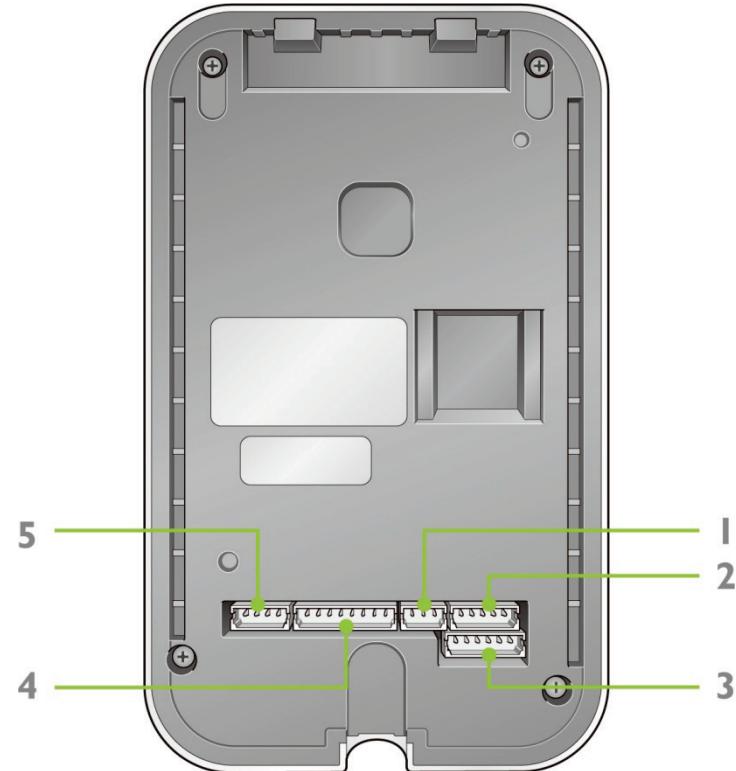


-
- 3** Mount the device onto the bracket.
-

- 4** Fix the device to the bracket using the device mount screw.
-



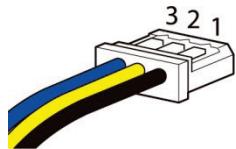
Rear Panel



No	Name	Function
1	3 pin connector	RS485 Port 2 (Slave device connection)
2	5 pin connector	Power and relay connection
3	6 pin connector	Wiegand I/O and TTL Inputs
4	8 pin connector	RS485 Port 1 (Connection with PC) / RS232 Port (Extension)
5	4 pin connector	Ethernet connection

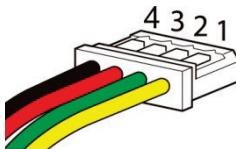
Cable Specifications

RS485 Cable



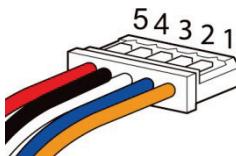
Pin	Pin Description	Wire Color
1	485 GND	BLACK
2	485 TRXN	YELLOW
3	485 TRXP	BLUE

Ethernet Cable



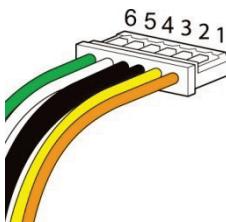
Pin	Pin Description	Wire Color	RJ45 PIN
1	ENET TXP	YELLOW	6
2	ENET TXN	GREEN	3
3	ENET RXP	RED	2
4	ENET RXN	BLACK	1

Power and Relay Cable



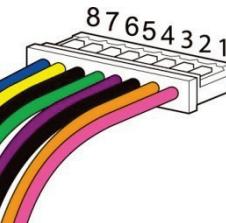
Pin	Pin Description	Wire Color
1	RLY NC	ORANGE
2	RLY COM	BLUE
3	RLY NO	WHITE
4	PWR GND	BLACK
5	PWR +VDC	RED

Wiegand I/O and/TTL Switch Cable



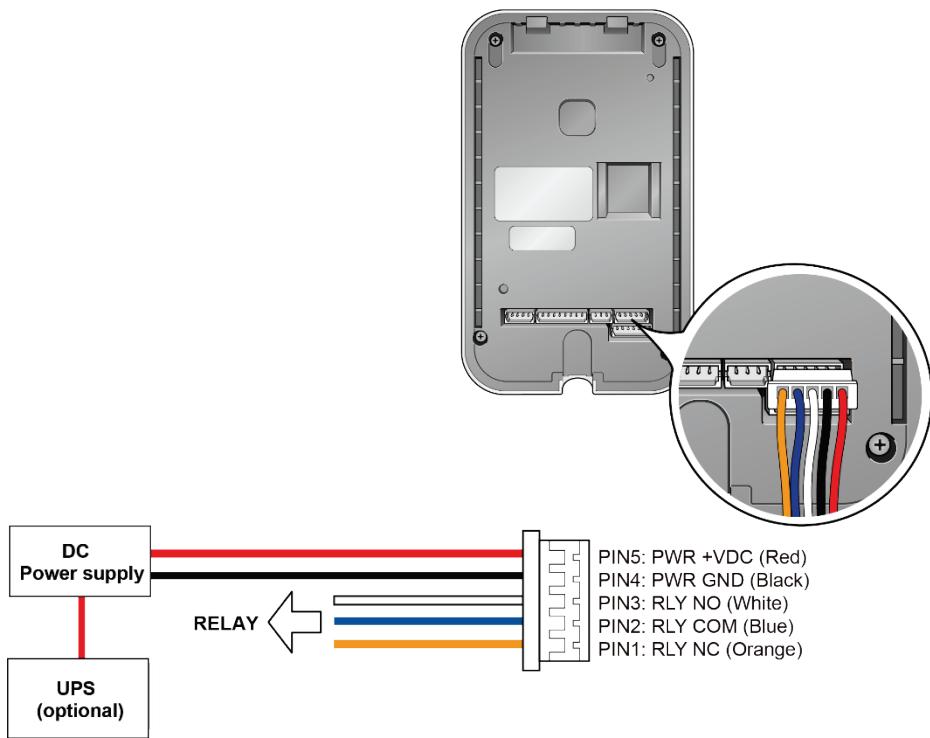
Pin	Pin Description	Wire Color
1	TTL IN1	ORANGE
2	TTL IN0	YELLOW
3	TTL GND	BLACK
4	WG GND	BLACK
5	WG D1	WHITE
6	WG D0	GREEN

RS485(for PC Connection)/ RS232(for Extension) Cable



Pin	Pin Description	Wire Color
1	232 CTS	PINK
2	232 RTS	ORANGE
3	232 GND	BLACK
4	232 TX	PUPPLE
5	232 RX	GREEN
6	485 GND	BLACK
7	485 TRXN	YELLOW
8	485 TRXP	BLUE

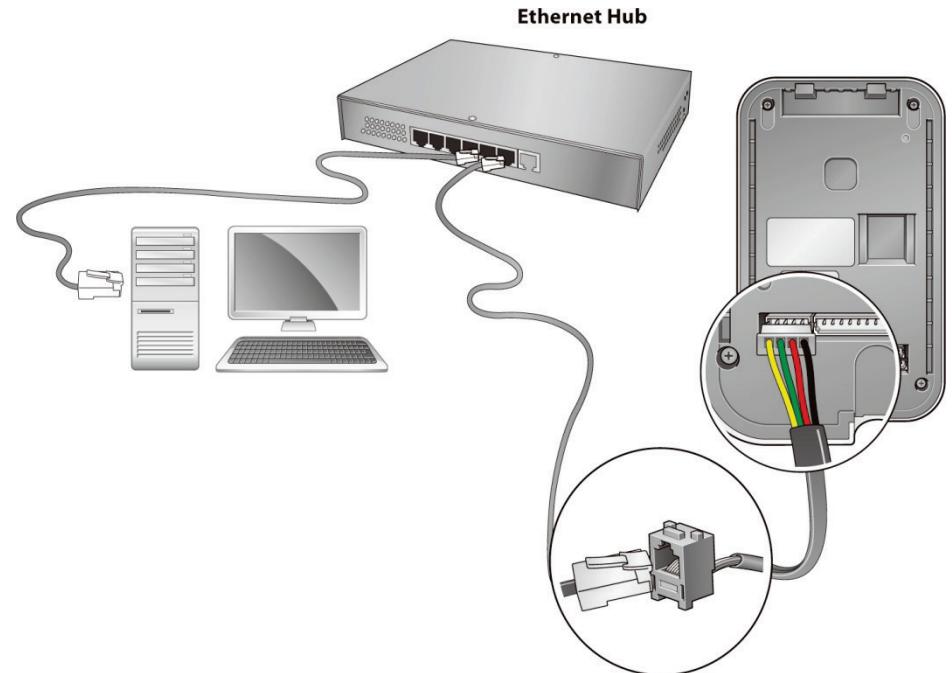
Power Connection



Note

- Voltage 12V ±10%, current 1500mA or above. You should use an authorized IEC/EN 60950-1 12V adapter.
- Use a separate power supply for Secure I/O, electric lock and X-Station respectively. If connecting and using the power supply to these devices together, the devices may malfunction.

Ethernet Connection

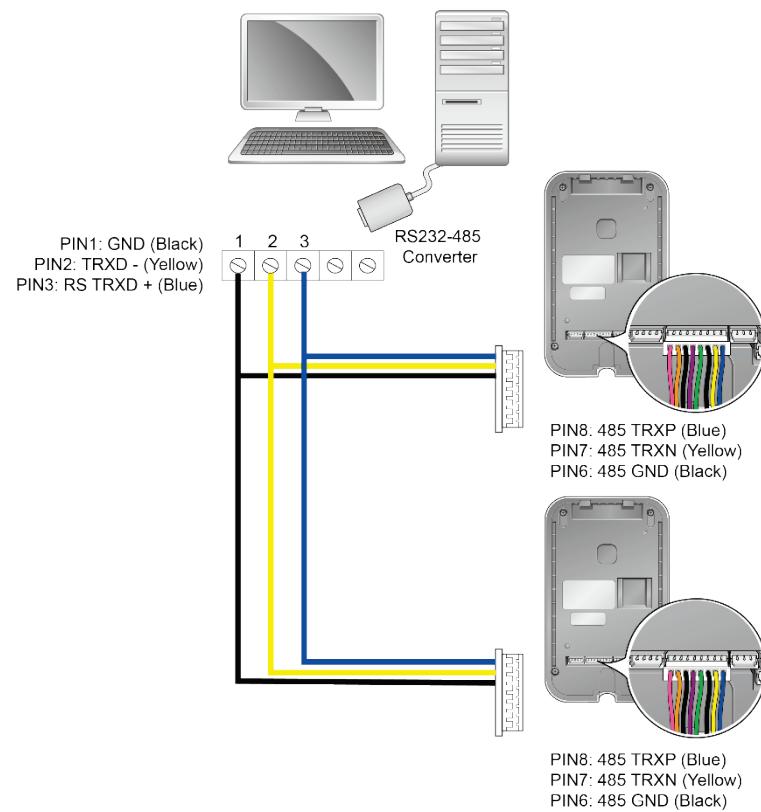


Note

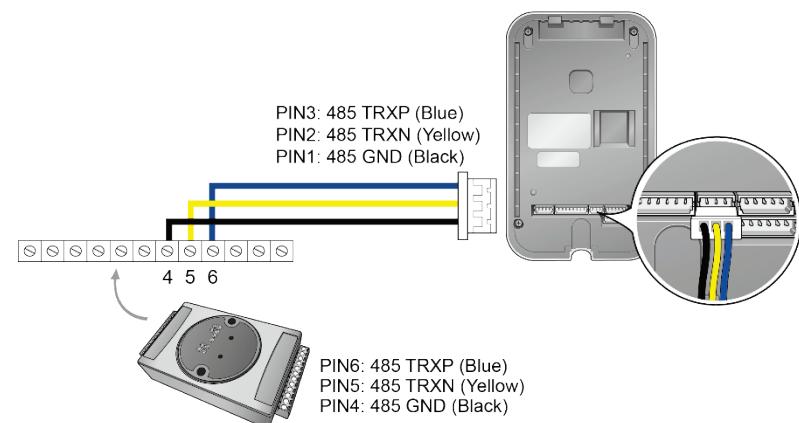
- After plug the 4 pin cable to the back of the terminal, connect the RJ45 socket of the 4 pin cable with a LAN cable to the hub.

RS485 Connections

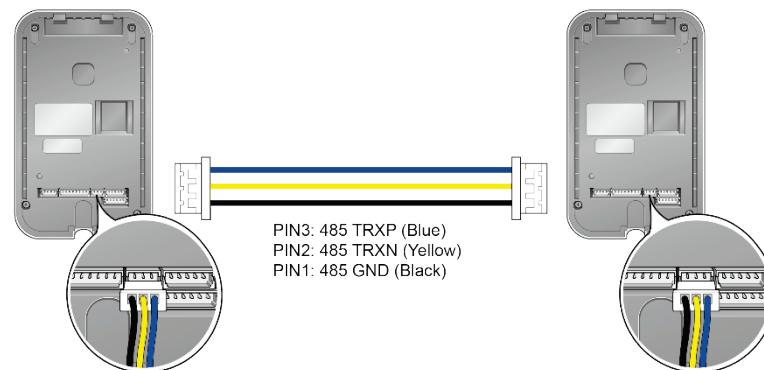
Connecting with a PC



Connecting with Secure I/O



Connecting with Other Devices

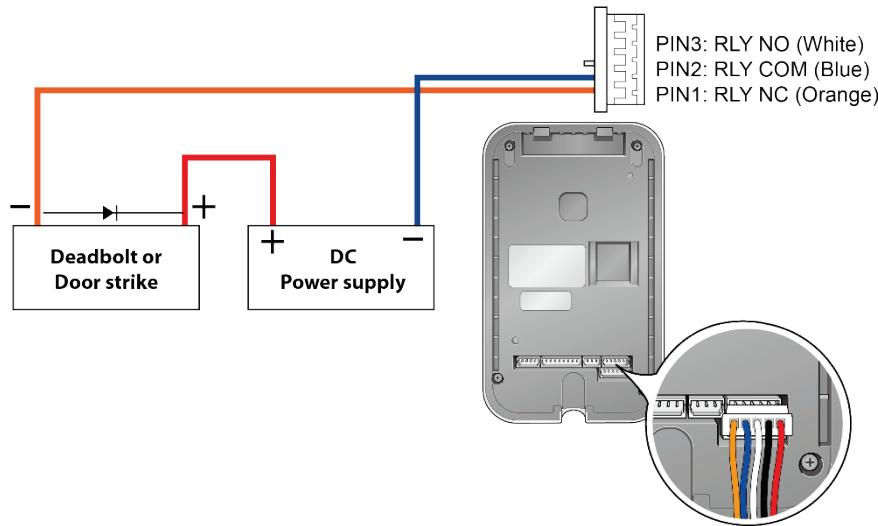


Note

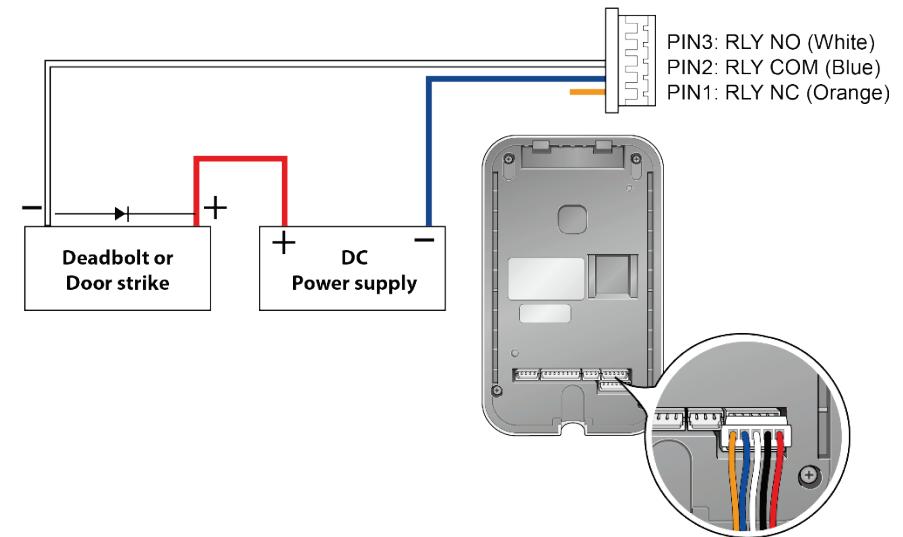
- In case the signal is not sent correctly, you should install a terminal resistance at both ends of the bus. (120Ω resistance)
- The signal quality can vary depending on the route, so you need to adjust the transmission speed or lower the transfer rate.

Relay Connections

Connecting with a Fail Safe Lock



Connecting with a Fail Secure Lock

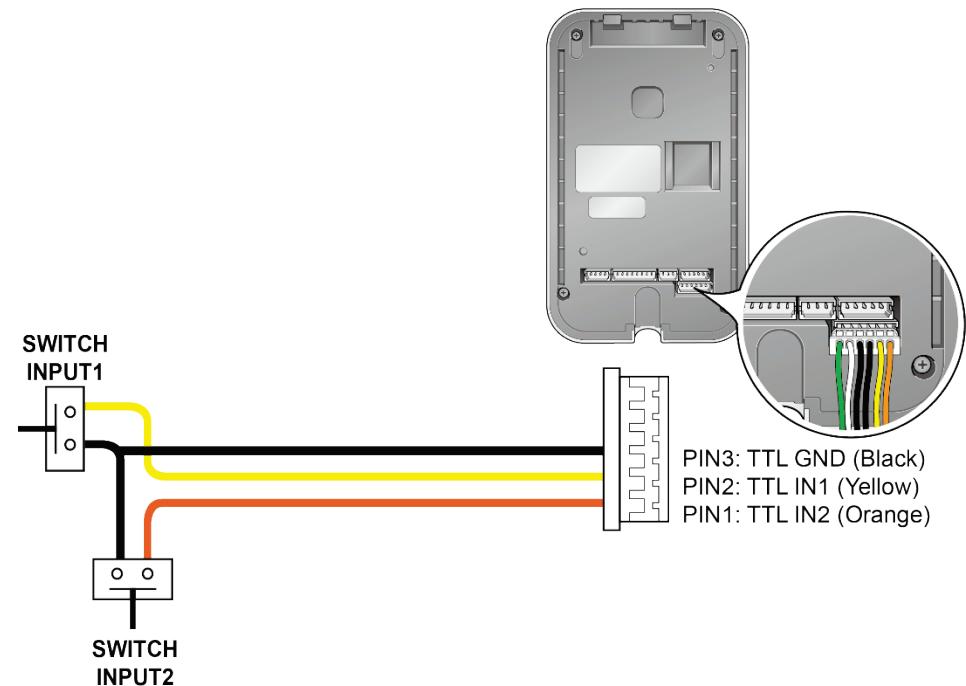
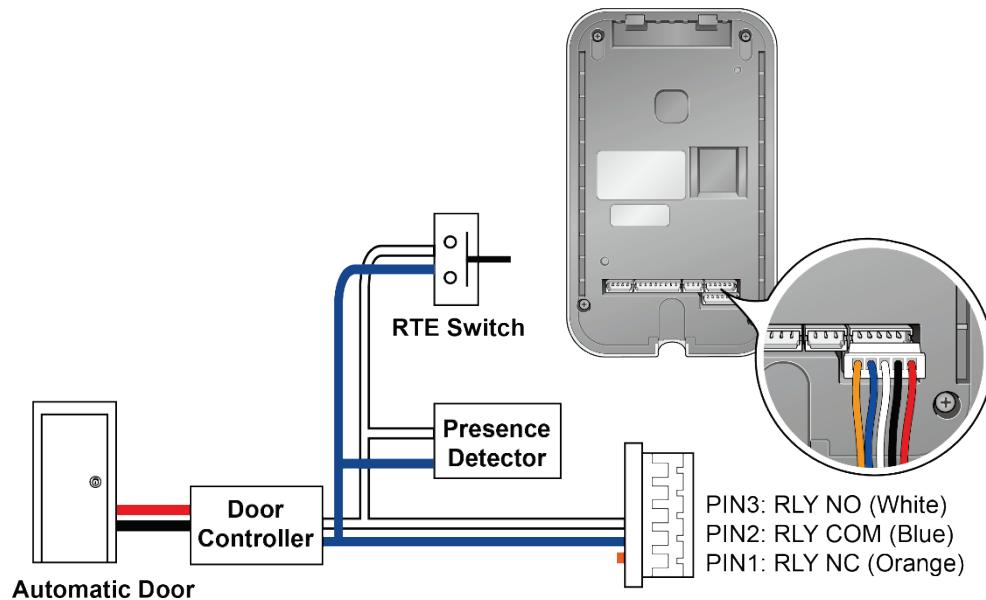


Note

- N.O. (Normally Open): A control signal closes the circuit.
- N.C. (Normally Closed): A control signal opens the circuit.
- Take care of the direction of the diode.
- Make sure to install the diode near to the door lock.
- Make sure to use different power supplies for the X-Station and the door lock.
- Make sure to install the diode at both ends of the circuit as shown in the figures above in order to protect the relay contact from the reverse current that occurs when the door lock works.

Input Connection

Connecting with Automatic Doors

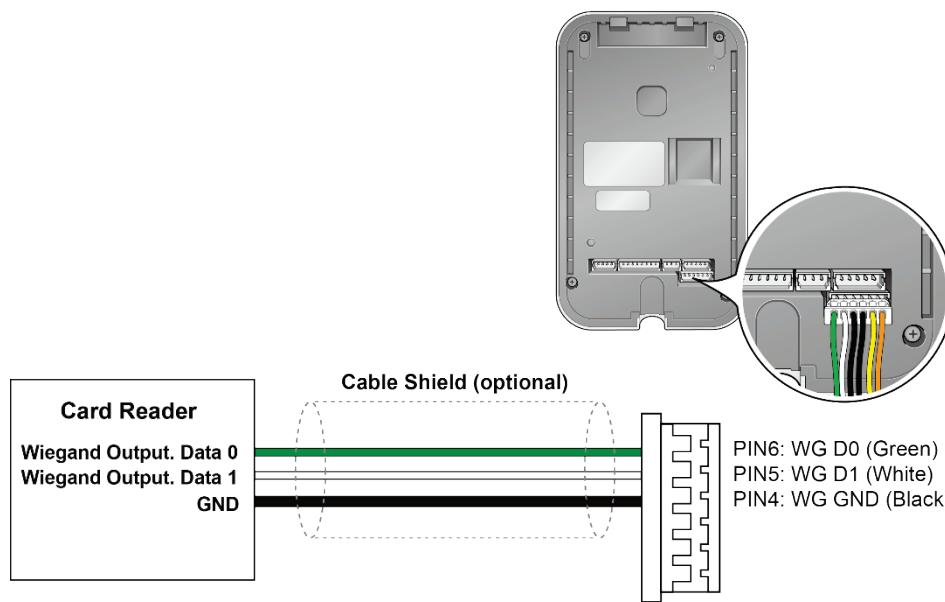


Note

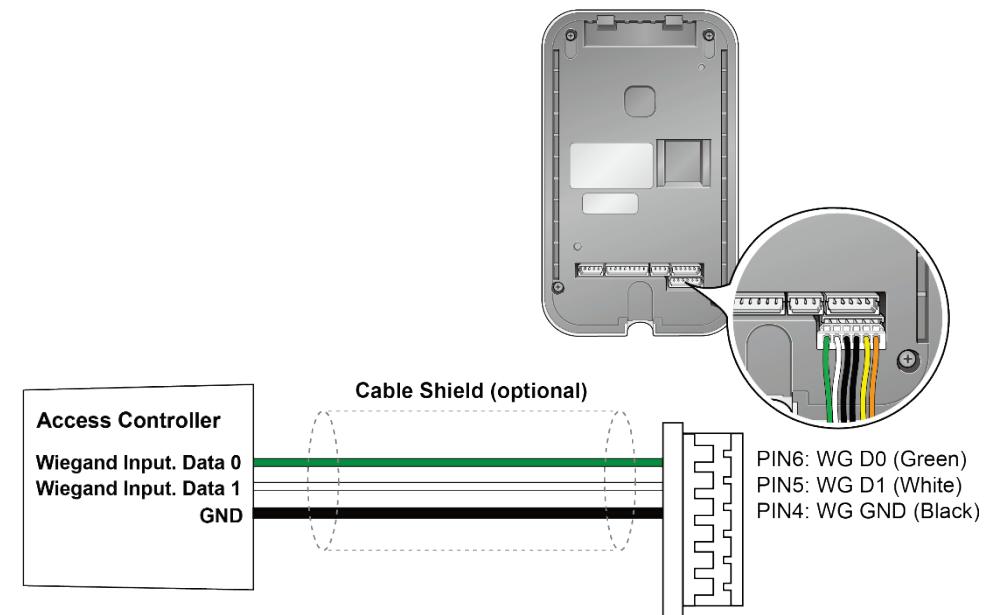
- N.O. (Normally Open): A control signal closes the circuit.
- N.C. (Normally Closed): A control signal opens the circuit.

Wiegand Connections

Connecting a Wiegand Input



Connecting a Wiegand Output

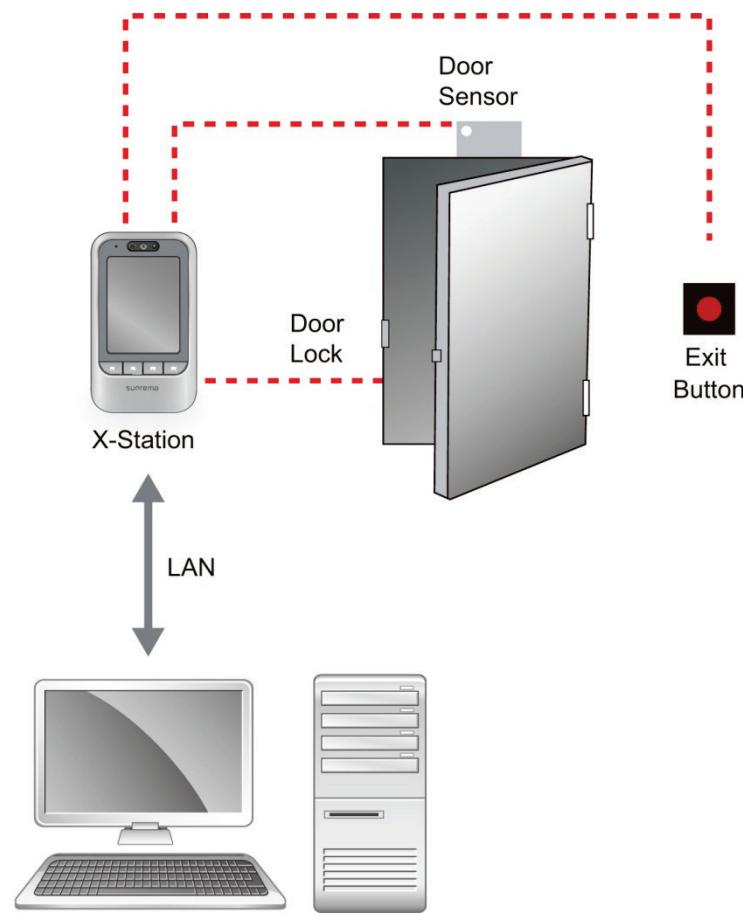


Note

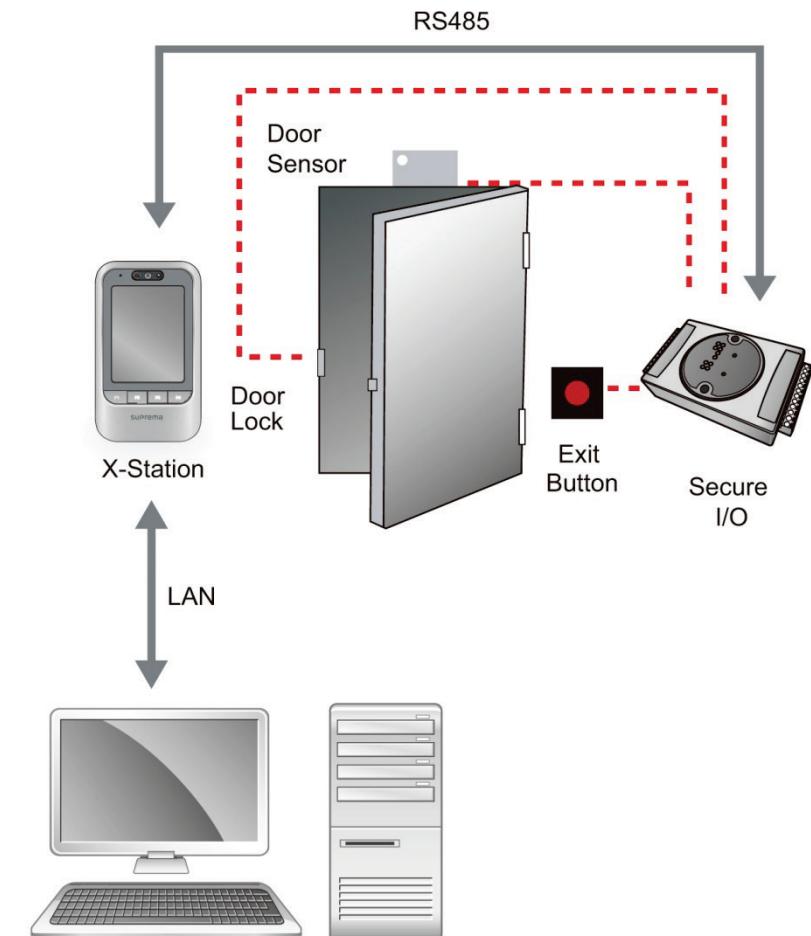
- You can configure the Wiegand Input and Output settings in the BioStar.

System Setup

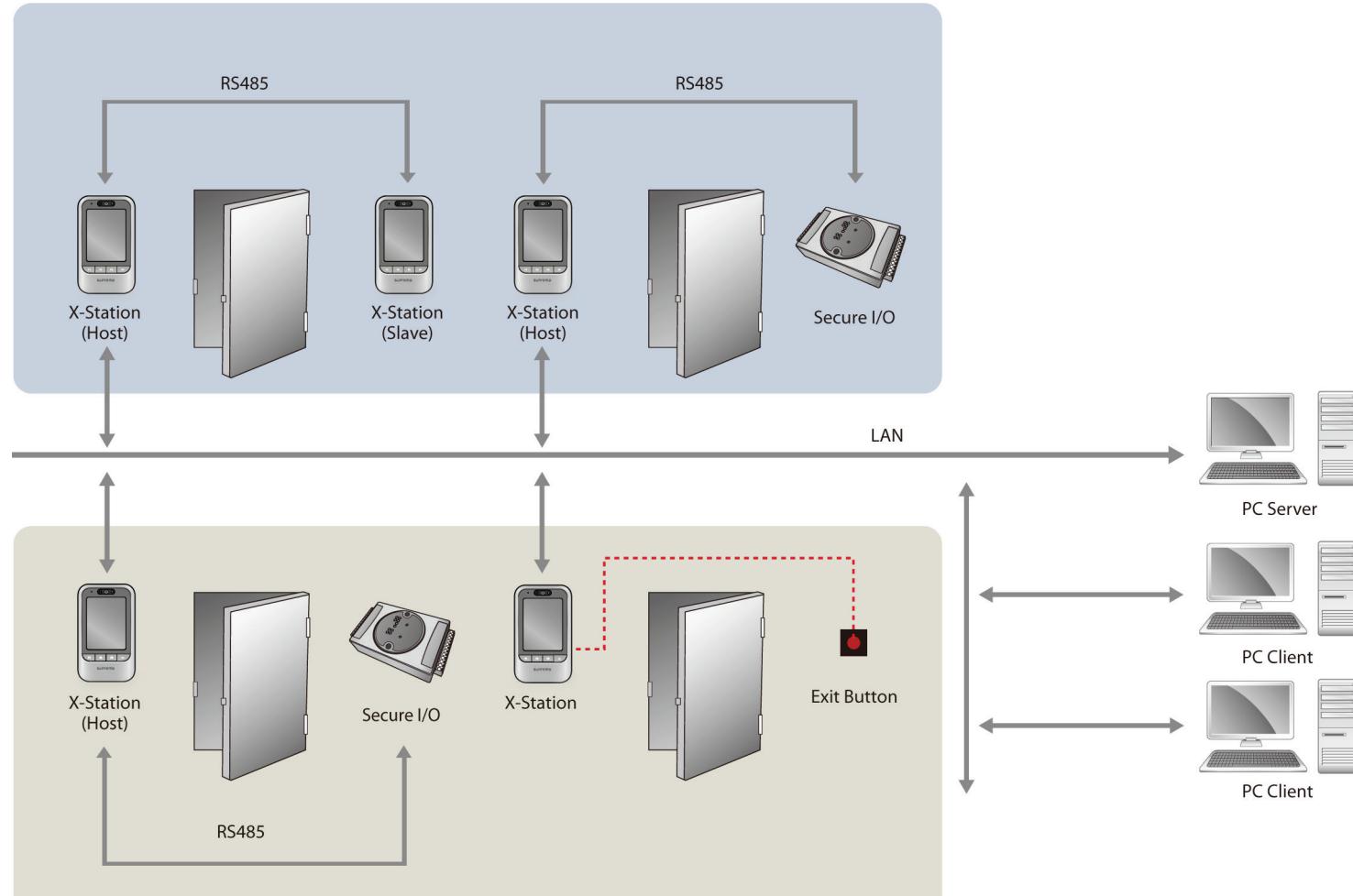
Standard



Secure (Secure I/O)



Network Setup



3 Device Operation

Access Authorization

T&A Authorization

Device Operation

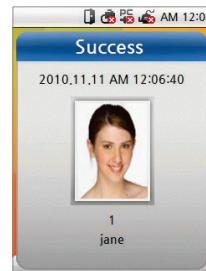
Access Authorization

Using Card

Card authorization is only operated in **Card Only** authentication mode or **Bypass Card**.

1

Scan the card on the terminal.

2

An authorization success screen will appear.

Note

- The default screen will appear when authorization success.
If no user image is registered, the recorded image will be shown.



When an image is registered



When an image is not registered

Using Card and Face Detection

To use this feature, Face Detection mode must be set to **Use**.

1

Scan the card on the terminal.

2

Position your face within the window shown.

3

An authorization success screen will appear.

Note

- When the face detection mode is on, please fit your face in the frame.

Using Card and Password Authorization

To use password authorization, use Auth Mode with the **ID/Card+Password** setup.

1

Scan the card on the terminal.

2

Enter the password and press **OK**.

3

An authorization success screen will appear.

Using Card, Password, and Face Detection Authorization

1

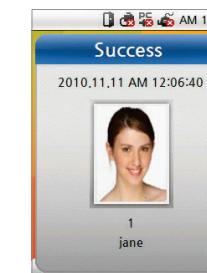
Scan the card on the terminal.

2

Enter the password and press **OK**.

3

Position your face within the window shown.

4

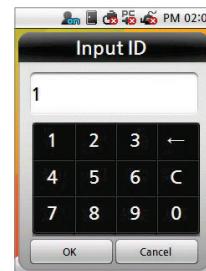
An authorization success screen will appear.

Using Card and Password Authorization

To use password authorization, use Auth Mode with the **ID/Card+Password** setup.

1

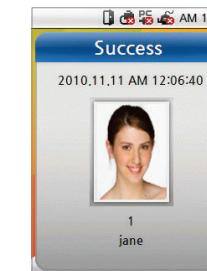
Press **Input ID** on the main screen.

2

Enter your ID on the ID screen and then press **OK**.

3

Enter your password and then press **OK**.

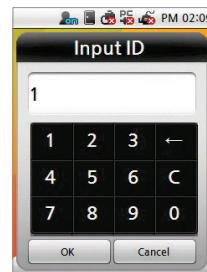
4

An authorization success screen will appear.

Using ID, Password, Face Detection Authorization

1

Press **Input ID** on the main screen.

2

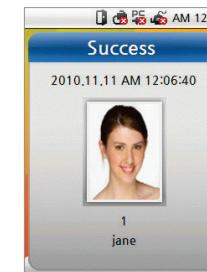
Enter your ID on the ID screen and then press **OK**.

3

Enter your password and then press **OK**.

4

Position your face within the window shown.

5

An authorization success screen will appear.

Using PIN

PIN authorization is operated in PIN Only authentication mode. If you use PIN authorization, select **Config > Mode > PIN Only > PIN Only** and set 3 passwords for authentication. Enter one of the 3 registered PIN numbers in authentication.

1

Enter the password and press **OK**.

2

An authorization success screen will appear.

T&A Authorization

T&A Authorization Mode

Card Only

1



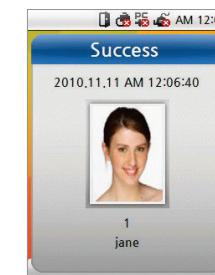
Press the desired T&A event. (F1~F4)

2



Scan the card on the terminal.

3



An authorization success screen will appear
and the T&A event will be logged.

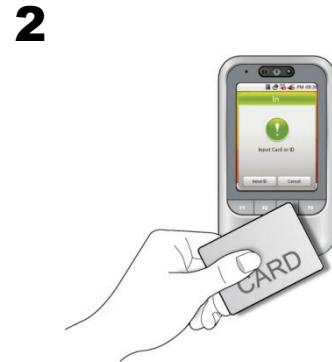
Note

- You can use Face Detection mode with T&A mode.

When the Face Detection mode is activated, you have to successfully authorize card and face to enter.

ID/Card+PIN Authorization

1
Press the desired T&A event.
(F1~F4)



2
Scan the card on the terminal.



3
Enter your password and then
press **OK**.



4
An authorization success screen
will appear and the T&A event will
be logged.

ID+PIN Authorization

1
Press the desired T&A event.
(F1~F4)



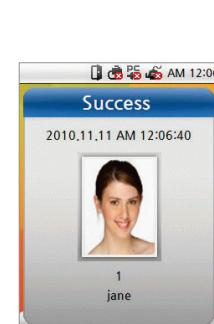
2
Press **Input ID**.



3
Enter your ID and then press **OK**.



4
Enter your password and
then press **OK**.



5
An authorization success screen
will appear and the T&A event will
be logged.

T&A Mode

Manual Mode



If the T&A mode is set to **Manual**, users must press a T&A key to leave a T&A record.

Fixed



If the T&A mode is set to **Fixed**, the device will automatically log a scheduled T&A event upon authentication. The T&A event cannot be changed. The T&A event schedule can be set using BioStar.

Auto Mode



If the T&A mode is set to **Auto**, the device will automatically log a scheduled T&A event upon authentication. The T&A event schedule can be set using BioStar. Different T&A events can still be manually logged using the T&A keys.

Disabled



If the T&A mode is **Disabled**, the basic T&A keys will be removed and only access control functions will be active.

Manual Fix



If the T&A mode is set to **Manual Fix**, the device will remain in the last known T&A event. Users can change the T&A event manually by using the T&A keys.

Checking Extra T&A Events

1

Press **T&A** on the main screen to select extra T&A events.

2

Extra T&A events screen.

Note

- 4 basic events (In, Out, In Duty, and Out Duty,) are displayed on the standby screen, which can be changed.
 - You can set up to 12 extra T&A events besides of basic T&A events in the BioStar.
- Example) Arriving at work after offsite work, leaving work after offsite work, returning after offsite work, etc.

Checking T&A and Entrance Records

This feature is only available for standard users. Administrators will access the Admin Menu.

1

Select **Config** on the main screen.

2

Scan your card on the terminal or press **Input ID**.

3

If the authorization was successful, you can check your access/T&A records.

Authorization Failure Screens

When authorization fails, the screen is displayed as follows.



Auth Mode setting does not match.



Authorization interval was invalid.



The maximum number
of authorizations
was exceeded.



User is not in the
authorization group.



The anti-passback is limited.



Unregistered user.



Input wrong password.

4 Device Configuration

Admin Settings

User Management

Data Card User Management

Network Setup

Mode Setup

Device Setup

Display & Sound Setup

Log Management

Device Configuration

Admin Settings

Administrator Registration

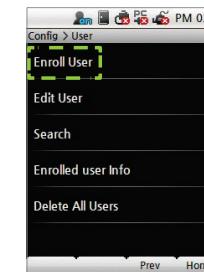
There is no registered user data in the new product. Please register the administrator immediately after the first installation. The Admin enables to add/delete user, and configure device setting.

1

Press **Config** on the main screen.

2

Select **User**.

3

Select **Enroll User**.

4

Check the **Admin** box.

5

Enter the user ID. The user ID can be created numbers 1 to 4294967295.

6

Scan the card on the terminal.

7

Enter the name.
(You can only use English characters.)

8

Enter a password.

9

Touch the image to capture
a profile image.

10

An enroll success screen
will appear.

Note

- You have to enter either card or password to make a registration.
- The T&A button on the lower part of the screen has the same function as the F1~F4 keys. Instead of pressing **Prev/Home**, you can also use F3/F4.
- Users who are registered with a **Bypass Card** will be authorized by bypass regardless of the Auth Mode. Users who are registered with the 'Private Auth mode' will have priority in the terminal's Auth mode and be authorized in Private Auth.
- The 'Access Group' determines whether a user can enter or not. You can select an Access Group within the BioStar software for the relevant terminal.
- The picture capture data will be used when authorization is successful and can be saved with BioStar.

Warning

- Register an administrator. If no administrator is registered, all users will have access to the Admin Menu.

Entering the Admin Menu

Card Only Mode

1

Press **Config** on the main screen.

2

Scan an administrator card on the terminal.

3

The Admin Menu will appear.

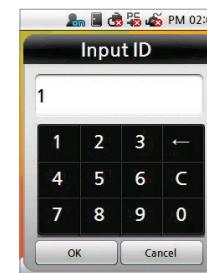
Card/ID + Password Mode

1

Press **Config** on the main screen.

2

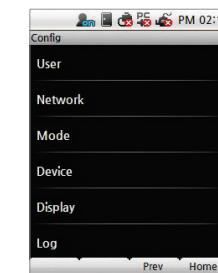
Scan an administrator card on the terminal.

3

Enter your ID and press **OK**.

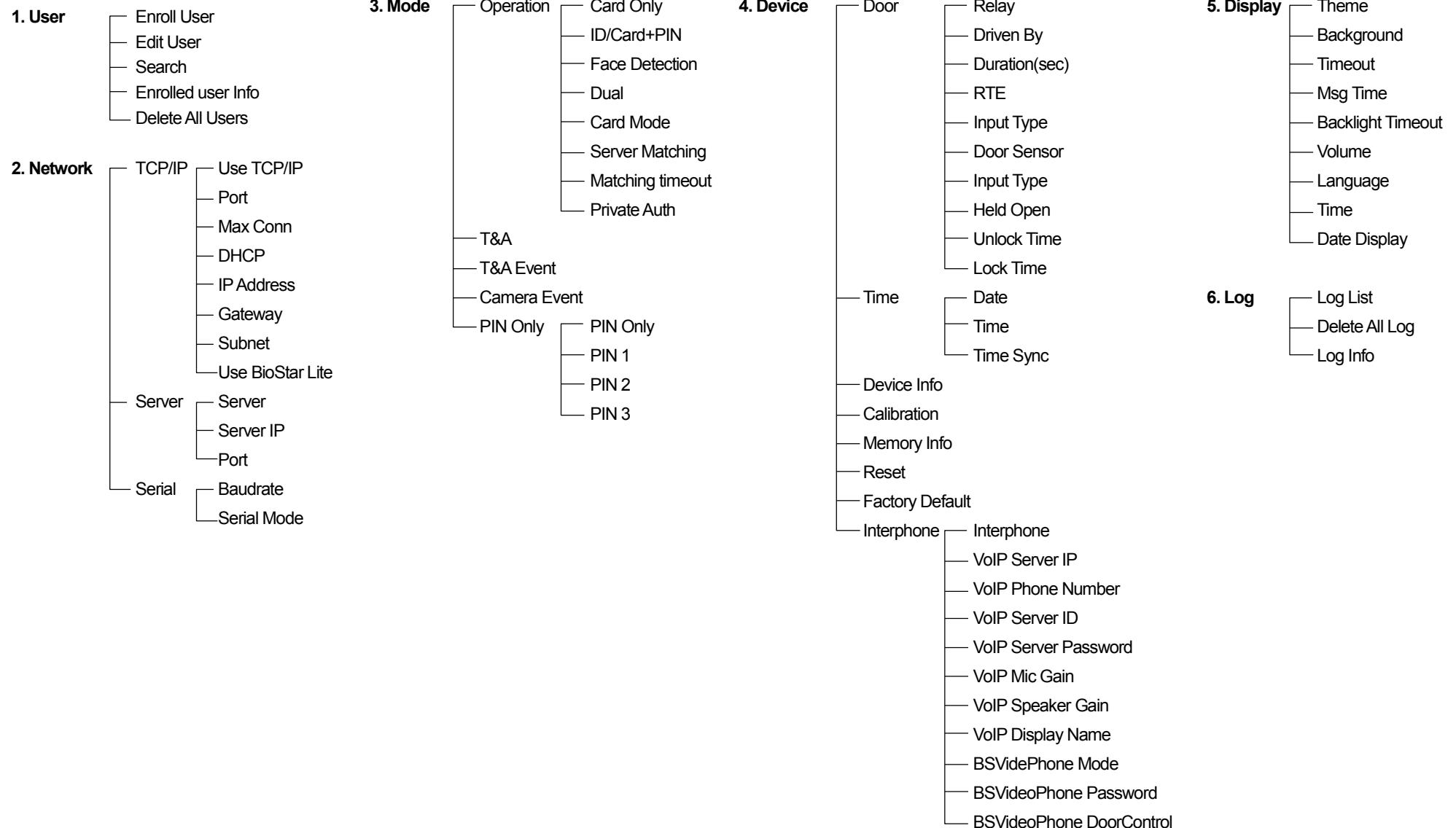
4

Enter the corresponding password and press **OK**.

5

The Admin Menu will appear.

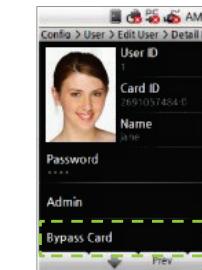
X-Station Menu Tree



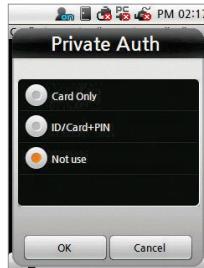
User Management

User Registration

Registration at the Terminal (when using a CSN Card) If you use a CSN Card, select **Config > Mode > Operation > Card Mode > Use CSN**.

- 1** 
 - 2** 
 - 3** 
 - 4** 
 - 5** 
 - 6** 
 - 7** 
 - 8** 
 - 9** 
 - 10** 
- Press **Config** on the main screen.
- Select **User**.
- Select **Enroll User**.
- Do not check the box **Admin** when registering a user.
- Enter the user ID. The user ID can be created numbers 1 to 4294967295.
- Scan the card on the terminal.
- Enter the name.
(You can only use English characters)
- Capture an image profile and press **OK**. The image will appear each time authorization is successful.
- Enter the password.
- Select whether or not to use a **Bypass card** and press ↓ on the bottom of the screen to continue.

11



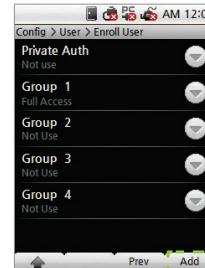
Select whether or not to assign a private authentication mode.

12



Select whether or not to use a special access group.

13



Press Add or F4.

14



An enroll success screen will appear.

Note

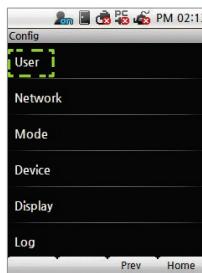
- Users who are registered with a Bypass Card will be authorized by bypass regardless of the Auth Mode.

Users who are registered with **Private Auth** will have priority in the terminal's Auth mode and be authorized in Private Auth.

The Access Group determines whether a user can enter or not. You can select an Access Group within the BioStar software for the relevant terminal.

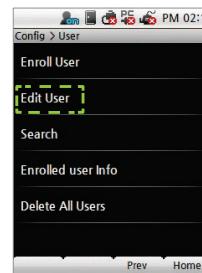
Modifying User Information

1



Select **User**.

2



Select **Edit User**.

3



Press the name of the desired user.

4



Make the desired changes and then press **Add** or F4.

5



An enroll success screen will appear.

Deleting Users

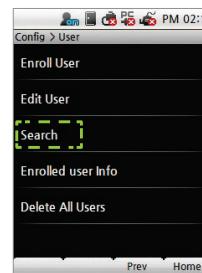
Deleting Using Search

1



Select **User**.

2



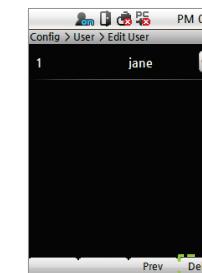
Select **Search**.

3



Use a search method to find the user.
(See User Search for more details)

4



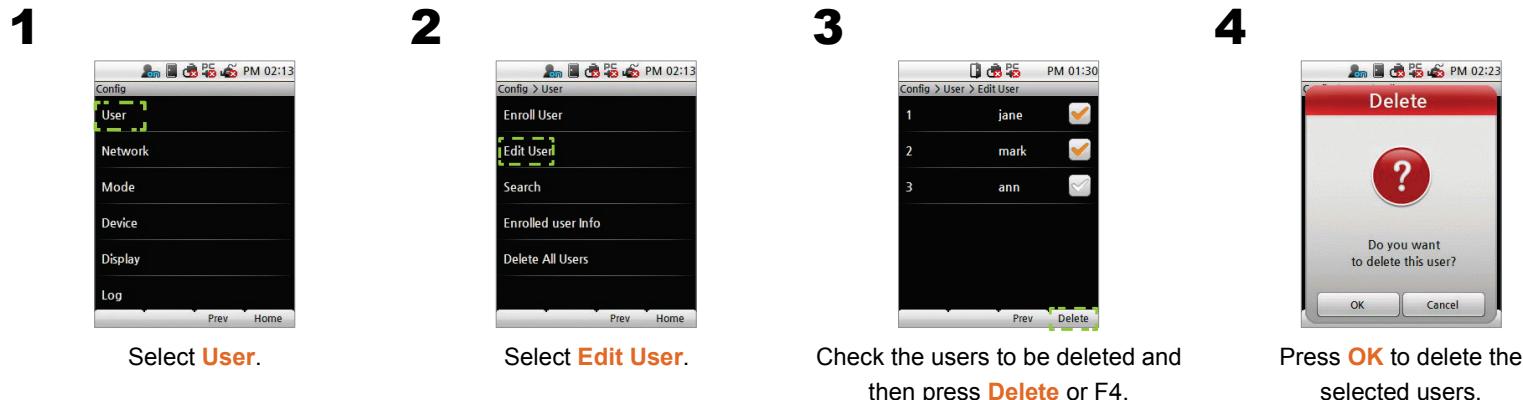
Check the desired user and then press **Delete** or F4.

5



Press **OK** to delete the user.

Deleting Multiple Users



Delete All Users



Attention

- You cannot restore user data that is not stored in the BioStar database.

User Search

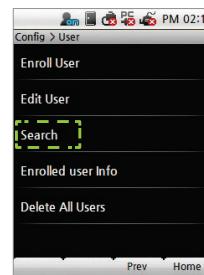
Search by User ID

1



Select **User**.

2



Select **Search**.

3



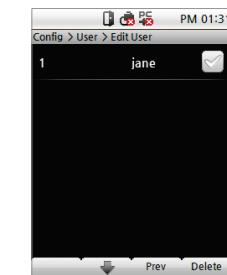
Select **Search by ID** and press **OK**.

4



Enter the user ID and press **OK**.

5



The corresponding ID search results will appear.

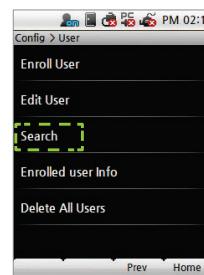
Search by Name

1



Select **User**.

2



Select **Search**.

3



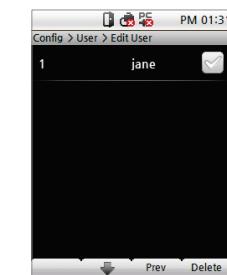
Select **Search by Name** and press **OK**.

4



Enter the name and press **OK**.

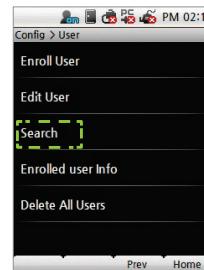
5



The corresponding usernames starting with those letters will appear.

Search by CSN Card
1

Select **User**.

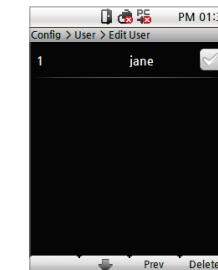
2

Select **Search**.

3

Select **Search by CSN** and
press **OK**.

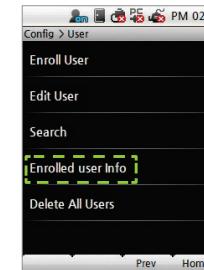
4

Place the CSN Card
on the X-Station.

5

The corresponding CSN search
results will appear.

Checking the Registered User Information
1

Select **User**.

2

Select **Enrolled user Info**.

3

Press **OK** to return to the previous
screen.

Note

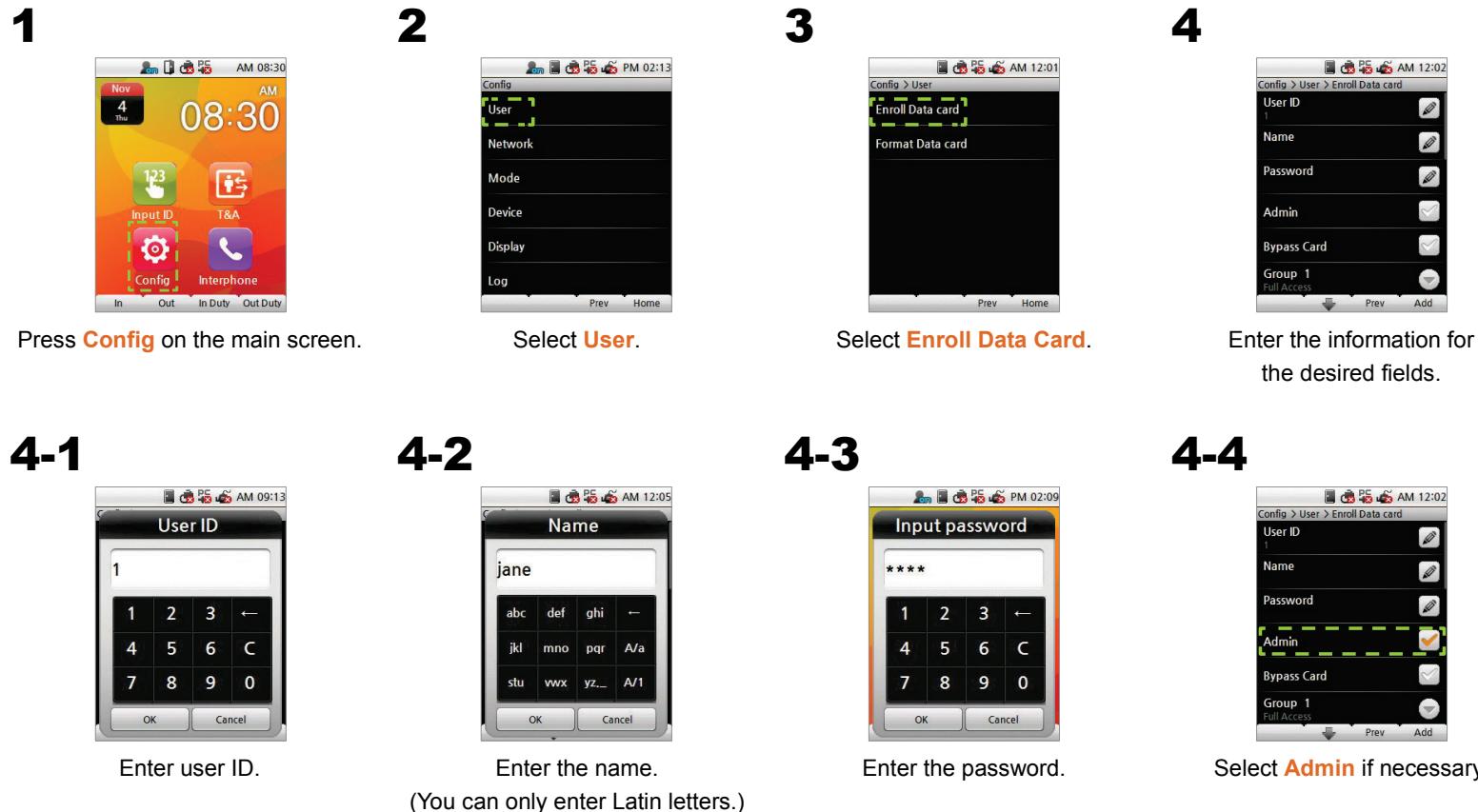
- X-Station can store a maximum of 200,000 users and 5,000 images.

Data Card User Management

Data Card Registration

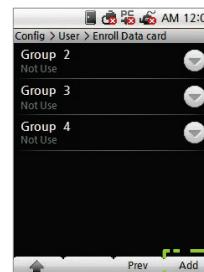
If you use a Data Card, go to **Config > Mode > Operation > Card Mode** and select Data Card.

If a Data Card is used, the user data will not be saved on the terminal, but on to the card. The user data must be managed separately.



4-5


Set up a **Bypass Card** and an Access Group if needed.

5


Press **Add** to enroll the data into the card.

6


Scan the card on the terminal.

7


A enrollment success screen will appear.

Note

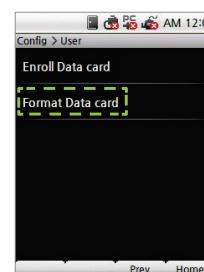
- Bypass cards provide authorization independent of the Auth Mode.
- Access Groups can be configured using BioStar and is used to restrict access to certain devices.
- CSN Cards and Data Cards cannot be used at the same time.

Data Card Format

All saved data on Data Cards will be deleted.

1


Select **User**.

2


Select **Format Data Card**.

3


Scan the card on the terminal.

4


A format success screen will appear.

Network Setup

TCP/IP Setup

Enable to setup TCP/IP for connecting the terminal and BioStar.

1

Press **Config** on the main screen.

2

Select **Network**.

3

Select **TCP/IP**.

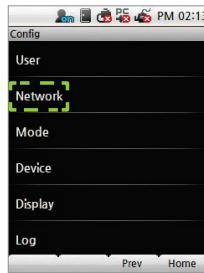
4

Set the desired network settings and press **Prev** or **Home** when finished.

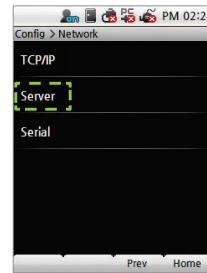
- **Use TCP/IP** Enable/Disable the Ethernet port on the device.
- **Port** Enter the desired network port for the device. (Default: '1470')
- **Max Conn.** Set the max number of BioStar connections to the device.
- **DHCP** Enable/Disable the DHCP. When DHCP is enabled the IP address, Gateway, and Subnet will be disabled.
- **IP Address** Enter the desired IP address for the device. Ask your network administrator for assistance.
- **Gateway** Enter the desired gateway address for the device. Ask your network administrator for assistance.
- **Subnet** Enter the desired subnet mask of the device. Ask your network administrator for assistance.
- **Use BioStar Lite** Enable/Disable BioStar Lite.

Server Setup

Server mode will create a link between the device and a BioStar server.

1

Select **Network**.

2

Select **Server**.

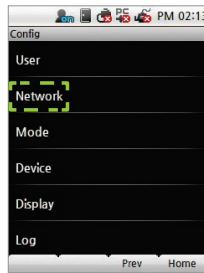
3

Setup the use of server, IP, and port press **Prev** or **Home** to activate the settings.

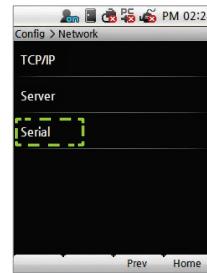
- **Server** Enable/Disable Server Mode for the device.
- **Server IP** Enter the IP address of the connected server.
- **Port** Enter the server port. (Default: '1480')

Serial Communication Setup

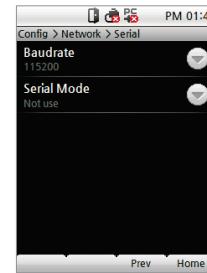
Serial communication is used in various ways.

1

Select **Network**.

2

Select **Serial**.

3

Set the Baudrate and Serial Mode.

- **Baudrate** Set the network speed between the terminal and a PC in RS485 communication. (Setting values: 9600/19200/57600/115200)
- **Serial Mode** Set the desired RS485 communication mode.
NET-HOST allows slave devices to be connect to the device; **NET-SLAVE** allows the device to connect to a host.

Note

- The RS485 network supports up to 1 host devices and 7 slave devices (including up to 4 Secure I/O).
- Baudrate only affects RS485 Port 1. (Connection to a PC)
- Serial Mode only affects RS485 Port 2. (Connection to other devices)

Mode Setup

Mode Operation Setup

Setup the various authentication modes, operation modes, and/or time & attendance triggers for the device. The authentication modes will operate according to the timezone set via BioStar.

1

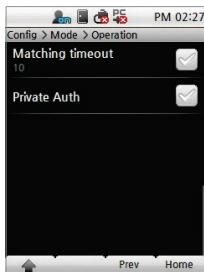

Press **Config** on the main screen.

2


Select **Mode**.

3


Press **Operation**.

4


Set the desired operation mode of the device.

- **Card Only** Scan a card for authentication.
- **ID/Card+Password** Input an ID or scan a card then enter the corresponding password for authentication.
- **Face Detection** Enable/Disable Face Detection. When enabled, a face must be detected before authorization is granted.
- **Dual** Requires two consecutive authentications of two different users within 15 seconds before authorization is granted.
- **Card Mode** Set the card type used on the terminal. (Setting values: Use CSN/Use Data Card/Not Use)
 - **CSN Card**: The card CSN (Card Serial Number) will be used for authentication.
 - **Data Card**: The data stored on the card will be used for authentication.
- **Server Matching** Enable/Disable Server Matching. To use server matching, the device must be set to server mode. Server matching will use the BioStar DB to perform the matching.
- **Matching Timeout** Select the duration for which the device will attempt to authenticate the user.
- **Private Auth** Enables/Disables the private authentication mode.

Attention

- If device setting is **Card Only - No Time** and **ID/Card+ password - No Time** at the same time, users can only authorize by Bypass Card. You cannot enter the Admin Menu with authorization with ID/Card, so have to register a Bypass Card when registering user.

T&A Mode Setup

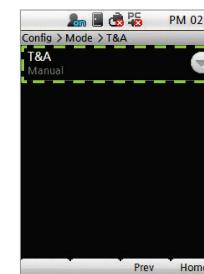
Set up the T&A mode for the device.

1

Select **Mode**.

2

Select **T&A**.

3

Select **T&A**.

4

Select the desired T&A mode and press **OK**.

Note

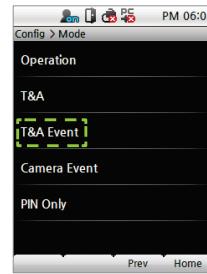
- Refer to '**T&A Mode**' for more details.

Setting T&A Event Options

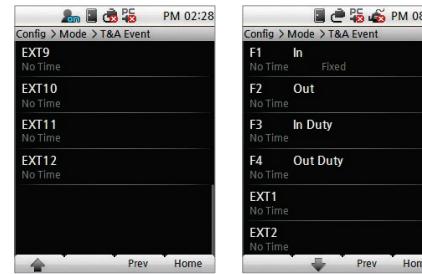
Sets the various T&A options for the device. Actual T&A events can only be setup through BioStar.

1

Select Mode.

2

Select T&A event.

3

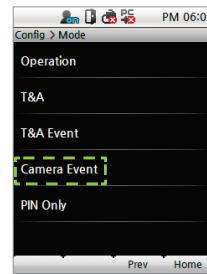
Program the desired location for each T&A event.

Setting Camera Event Triggers

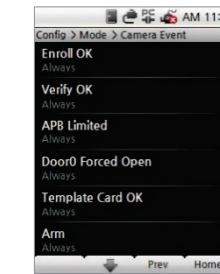
Sets event triggers for image capture. Timezones for the camera events can only be setup through BioStar.

1

Select Mode.

2

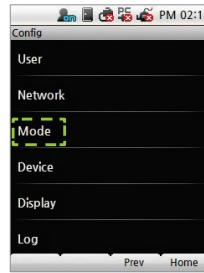
Select Camera Event.

3

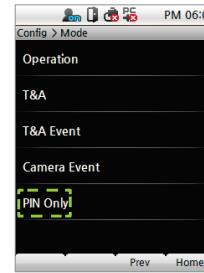
Select and program the desired events to trigger an image capture.

PIN Setup for Authentication

Sets a global PIN for general authentication. Up to three global PIN numbers can be registered.

1

Select **Mode**.

2

Select **PIN Only**.

3

Check **PIN Only** and select a PIN to create.

4

Enter the desired PIN and press **OK**.

Device Setup

Door Setup

1



Press **Config** on the main screen.

2



Press **Device**.

3



Press **Door**.

4



Enter the desired settings.



- Relay**

Select a relay to trigger upon authentication.
 (Settings: Not Use/Internal Relay/External Relay 0/External Relay 1/SIO0 Relay0/SIO0 Relay1/SIO1 Relay0/SIO1 Relay1/SIO2 Relay0/SIO2 Relay1/SIO3 Relay0/SIO3 Relay1)

Note

- When an External Relay is selected, the hardware ID of the selected device must be entered.



- Driven by**

Select the event(s) that will trigger the relay.

- **All events**

Associated devices will open the door on any successful authorization events.

- **Auth**

Associated devices will open the door only on successful credential authorization events.

- **T&A**

Associated devices will open the door only on successful T&A authorization events.

- **Auth+T&A**

Associated devices will open the door on successful T&A or credential authorization events or T&A authorization event.

- **Disabled**

Associated devices will not open the door, regardless of the attempted authorization events.



- **Duration(sec)**

Enter the duration for which the door will remain open.



- **Input Type**

Select the input switch's circuit type. (Set values: N/O, N/C)



- **Held Open**

Set the duration after which to trigger a held open door alarm.



- **Lock Time**

Select the schedule for which the door will remain locked.

(Settings: Always/No time)

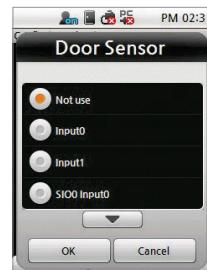
Access control timezone can only be created using BioStar.



- **RTE**

Select the input to be used as the RTE switch.

(Set values: Not Use/Input0/Input1/SIO0 Input0-3/ SIO1 Input0-3/ SIO2 Input0-3/ SIO3 Input0-3)



- **Door Sensor**

Select the input to be used as the Door Sensor. (Settings: Not Use/Input0/Input1/SIO0 Input0-3/SIO1 Input0-3/ SIO2 Input0-3/ SIO3 Input0-3)



- **Unlock Time**

Select the schedule for which the door will remain unlocked.
(Set values: Always/No time)

Access control timezone can only be created using BioStar.



- **Device ID**

Enter the device ID for which you will use as a slave when you set External Relay in relay setting.

Time Setup

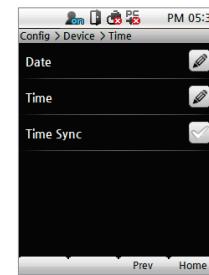
You can set up the time that appears on the terminal. You have to set up the time to receive accurate log data.

1

Press **Device**.

2

Press **Time**.

3

Set up data, time, and time sync.



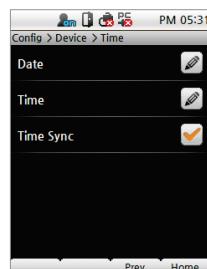
- **Date**

Set the current date (YYYY/MM/DD) and press **OK**.



- **Time**

Set the current time (hh:mm:ss) and press **OK**.



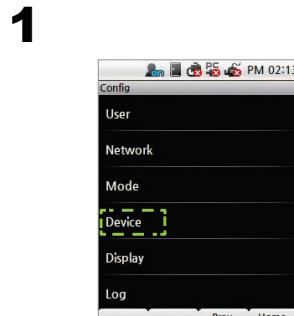
- **Time Sync**

Check Time Sync to synchronize the device time with the server time. Time Sync can only be used in "Server mode".

Every hour the time will automatically be adjusted on the device if the difference between the device and server is greater than 5 seconds.

Checking Device Information

Displays key device information.



Press **Device**.

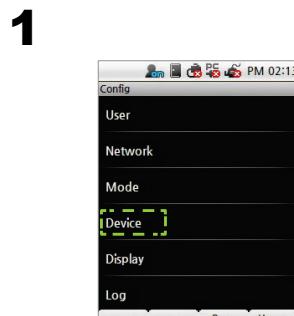


Select **Device Info**.



Various device specific information will be displayed.

Checking Memory Information



Press **Device**.



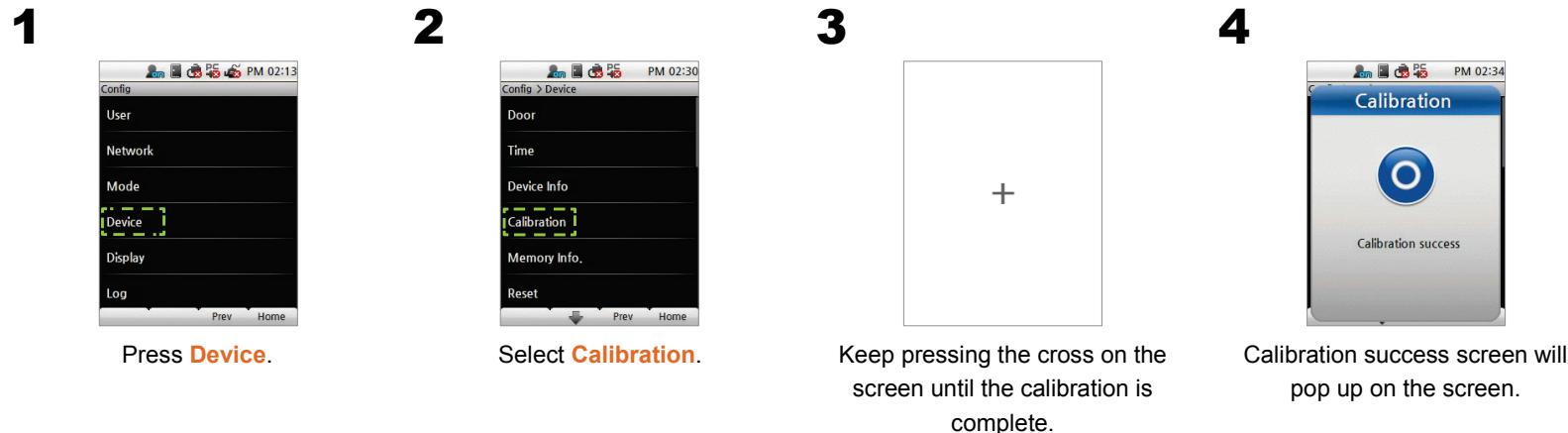
Select **Memory Info..**



The memory usage of the device will be displayed.

TouchScreen Calibration

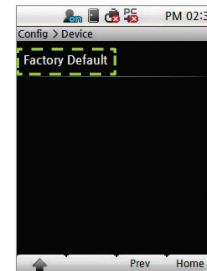
Recalibrates the touchscreen to coordinate the point of contact with the user interface.



Device Reset



Factory Default

1Press **Device**.**2**Press **↓** to navigate to the next page.**3**Select **Factory Default**.**4**Press **OK** to reset all settings to factory default.

Warning

- Factory default will change all settings to its factory defaults. Wallpapers, sound effects, notice, etc. will all be deleted.
- User information and Log data will not be affected by a Factory default.

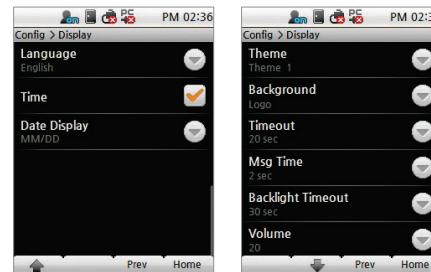
Display & Sound Setup

1

Press **Config** on the main screen.

2

Click **Display**.

3

Select the desired settings.



- **Theme**

Select a background theme.

(Selection: Theme 1/Theme 2/Theme 3)



- **Background**

Select a background style for the standby screen.

(Selection: Logo/Notice/Slide Show)



- **Timeout**

Select the amount of idle time required before returning to the home menu.

(Selection: 10sec/20sec/30sec/Infinite)



- **Msg Time**

Select how long a authentication message will remain on the screen.

(Selection: 0.5sec/1sec/2sec/3sec/4sec/5sec)



- **Backlight Timeout**

Select the amount of idle time required for the LCD backlight to turn off.

(Selection: 10sec/20sec/30sec /40sec/50sec/60sec/Infinite)



- **Volume**

Select volume of the sound effects.
(Selection: 0~100)



- **Language**

Select the language displayed on the terminal.

You have to reboot the terminal to activate language changes.

(Selection: Korean/English/Custom)



- **Time**

Select whether the time and date will be displayed on the standby screen.



- **Date Display**

Select the date format.

Note

- Notice or Slide Show backgrounds will appear after authentication attempts, menu timeouts, and LCD backlight activation.

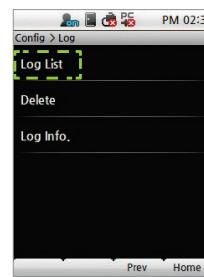
Log Management

Checking the Log List

Log records can be viewed directly from the terminal.

1

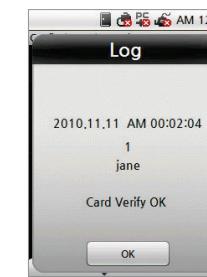
Click **Log**.

2

Select **Log List**.

3

Click on a log record to view details.

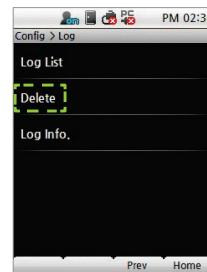
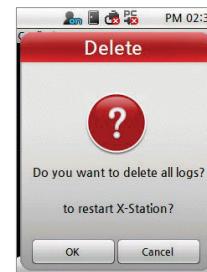
4-1

Displays detailed information of the log event.

4-2

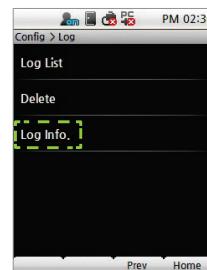
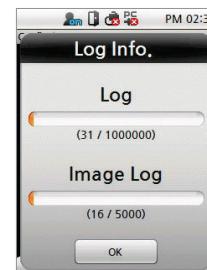
Log items with  will display the captured image.

Deleting All Logs

1Click **Log**.**2**Select **Delete**.**3**Click **OK** to delete all logs.**4**

Delete success screen will pop up on the screen.

Checking Log Information

1Click **Log**.**2**Select **Log Info..****3**Displays the number of logs stored on the terminal. Click **OK** to return to the previous screen.

Note

- X-Station stores up to a maximum of 1,000,000 normal logs and 5,000 video logs.

Appendix

Product Specifications

Electrical Specification

FCC Rules

Font License

Product Specifications

Item	Specifications	
Card Options	125KHz EM, 13.56MHz Mifare/DESFire	
Capacity	Max. User	200,000
	Log Capacity	1,000,000
Interfaces	Communication Interfaces	TCP/IP RS485 x 2ch
	Wiegand	In or Out (Switchable)
	TTL I/O	2 inputs
	Built-in Relay	1
Hardware	CPU	667MHz RISC x 1
	Memory	1GB flash + 256MB RAM
	LCD Display	3.5" color touch screen
	LCD Display	3.5" color touch screen
	Operating Temperature	-20°C ~ 50°C
	Humidity	90%
	Tamper	Switch
	Operating Voltage	12V DC
	Dimensions	79mm(W) x 135mm(H) x 19(15)mm(D)

Electrical Specification

	Item	Min. Value	Mean Value	Max. Value	Note
Power	Voltage (V)	10.8	12	13.2	Use regulated DC power adaptor only.
	Current (mA)	-		360	
Switch Input	VIH (V)	3.5	-	10.0	
	VIL (V)	-	-	2.0	
Wiegand Output	Pull-up resistance (Ω)	-	4.7K	-	The input ports are pulled up with 4.7 KΩ resistors.
	VOH (V)	-	5	-	
	VOL (V)	-	0.8	-	
Relay	Pull-up resistance (Ω)	-	4.7K	-	
	Voltage	-	-	24VDC	
	Current	-	0.5A	1.0A	

FCC Rules

Caution

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interface, and (2) this device must accept any interface received, including interference that may cause undesired operation.

Information to User

This equipment has been tested and found to comply with the limit of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, user and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more the following measures:

1. Reorient / Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help

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Version 1.1 - 26 February 2007

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