

Introduction

This document describes how to receive the denied access events from Suprema readers.

This feature consists to configure the biometric readers in order to send a specific code to the controller in case of denial.

The controller interprets this code and sends the corresponding denied transaction to GuardPointPro

Requirements

This feature requires GuardPointPro version 3.0.033 or later. The controller firmware must be from: 03/04/2014 or later for IC2000/2001/4000/4001 07/04/2014 or later for IC-Pro 2/4

The Bio reader firmware must be as follows:

	Bio Reader	BioEntry Plus		BioEntry W						
		BioEntry Plus				BioL	ite Net			
	Card Type	125kHz EM card	Mifare (13.56MHz)	HID Prox.	iClass (13.56MHz)	Mifare (13.56MHz)	HID Prox.	iClass (13.56MHz)	125kHz EM card	Mifare (13.56MHz)
ĺ	Model	BEPL- OC	BEPM-OC, BEPM-TC	BEPH- OC	BEPI-OC	BEWM	BEWH	BEWI	BLR-OC	BLNM-OC
İ	Firmware	V1.6_140314	V1.62_170406	NA	NA	NA	V1.2_140314	NA	NA	V1.31_140117

You can download all special firmware from here

Use Biostar to upload the correct firmware

The firmware version may be checked either in the BioStar screen, or in the Diagnose screen of GuardPointPro from version 3.1.027.

BioStar V1.61		Diagnostic	1
Eile View Theme Option Administration	tor <u>H</u> elp		
🖝 Back 🛞 Forward 🌀 Refresh 🤱	Find User Print 🖕	Download Search 🐼 Status	for : 🚟 Controller 👖 Biometric readers
Device	Device	- 172.168.1.189	Rdr01 / Controller 002
Device Device Device Device	Basic Information		Status received at 10/6/2014 2:43:30 PM Network : 172.168.1.229 -BioLite
40277(172.168.1.189)	Name 40277[172.168.1.189] Device ID 40277	E 172.168.1.194	Linit address : 40282
40282[172.168.1.229]	Firmware V1.31_140117 Device Type BLNM-OC	🗆 🗖 🍓 Rdr02 / Controller 002	Unit type Suprema BioLite Net (BLNM-OC)
		P 172.168.1.217	Firmware Version V1.31_140117
	Operation Mode Fingerprint Network Access Control Input Output Black List Display/Sound	Bdr03 / Controller 002	Memory Usage 999/5000
	Biol Hahlat Time	E 172.168.1.223-Blocke	±-× Pending (1)
	Side we mile		
	Date 01/10/2014	172.168.19.26	
	Sensor Mode	- Trz. 168.2.73	
	Always On Always OK Pressed A	- T 🎀 172.168.3.173	

CAUTION: If one of the firmware version or the software version is not correct please contact us.



Description

On denied accesses from the Bio reader, GuardPointPro displays the denied events on the log event screen with a specific denied reason.

For example, if a cardholder named 'Bill' presents his card at the Bio Reader with a wrong finger, GuardPointPro will display the following event: 'Access Denied 'Bill' - Card known but finger unknown'

The specific denied reason may be different following to situation:

Situation	Corresponding denied reason in GPP
in Einger.	only mode
The presented card is not in the system.	Unknown Card
The presented card does not belong to anyone.	Non Allocated Badge
The presented card is not authorized at this reader.	Access Group
Unrecognized finger is presented.	Unrecognized finger
In this case, the code "9999" is sent and GPP receives 'Unknown	
card	
'00009999''.	
previously	
create a cardholder with the card code "00009999".	
The presented card belongs to someone but it is not in the reader	Card not in reader memory
memory.	
-	Frank i i barran France
finger	Card with wrong tinger
inger.	
in Card + F	inger mode
The presented card is not in the system.	Unknown Card
The presented card does not belong to anyone.	Non Allocated Badge
The presented card is not authorized at this reader.	Access Group
The processed and belongs to company but it is not in the condex	Cord pat in reader memory
memory.	card not in reader memory
The presented card is stored in the reader memory with another	Card with wrong finger
finger.	
A fearer has been accorded before the conductioners a condin	Condia annuined First
required first.	card is required first
In this case, the code "9999" is sent and GPP receives 'Unknown	
card	
'00009999''.	
To display the message "Card is required first", the user should	
create a cardholder with the card code "00009999".	
When finger template are stored on Smartcar	d only (INI option BioStoreTemplateToCard = 1)
The presented card is not in the system.	Unknown Card
The presented card does not belong to anyone	Non Allocated Badge
The presented card is not authorized at this reader.	Access Group
A finger has been presented before the card whereas a card is	Unrecognized finger
In this case, the code "9999" is sent and GPP receives 'Unknown	
card	
'00009999''.	
To display the message "Unrecognized finger", the user should	
previously create a cardholder with the card code "00000000"	
The presented Smartrard does not contain any template	Empty smart card
Note that if the card does not exist in the controller memory. GPP	chipty shart card
receives an "Unknown card" event instead.	
The presented Smartcard contains a template of another finger.	Smart card with wrong finger
1	



Example 1: if a card code is not in the reader memory, GuardPointPro will display the denied reason 'Card unknown'.

Example 2: if a card code is in the reader memory but presented with a wrong finger, GuardPointPro will display the denied reason 'Card known but finger unknown'.

Example 3: upon unrecognized finger, GuardPointPro will display 'Unknown card 00009999'. If creating for example a cardholder with the name "Error" and the card code "00009999", upon unrecognized finger the message will be: 'Access Denied 'Error' - Unknown finger'.

Example 4: therefore, if a finger has been presented before the card in the Card+Finger mode, GuardPointPro will display 'Unknown card 00009999'.

If creating for example a cardholder with the name "Error" and the card code "00009999", when a finger is presented before the card in the Card+Finger mode, the message will be: 'Access Denied 'Error' - Finger is passed without a card'.

Configuration in GuardPointPro

1- The reader should be configured with the Technology "Wiegand" in the 'Reader > General' screen.

Reader	
New Save Delete First Prev. Nez	t Last Downld. Search Print Close
Rdr01 / TPL4	General - Rdr01 / TPI 4
Rdi01 / TPL4 Rdi02 / TPL4	Name : Rdr01 / TPL4 Number 1 Description : Camera CAmera (None> (None> (None> Motorized reader
	General
	Door control
	Access mode
	Finger Print
,	



2- Following to the card format, the Badge format and the Bio Wiegand Format must be as follows:

Card Format	Card code	Badge	Bio Wiegand Format:
	length	Format	Suprema Custom Format
34 bits	0	22	Total bits: 38
ex. A3361126	0		ID Length bits: 32
37 bits	0	23	Total bits: 38
ex. 780AB689F	0		ID Length bits: 32
26 bit	0	24	Total bits: 26
ex. 001A2B3C	0		ID Length bits: 16

3- The reader should be configured with the right Badge format in the 'Reader > Miscellaneous/Badge format' screen.

Hereunder an example when using 34 bits cards; following to the previous table the Badge Format should be '22' and the card code length should be '8'.

Reader	1 1 K. H. N.		
New Save Delete First Prev. Neg	t Last Downld. Search Print Close		
Select a reader :			
Rdr01 / TPL4	Miscellaneous/Badge format - Ro	ir01 / TPL4	
Rdr01 / TPL4 Rdr02 / TPL4	Unsuccessful attempts 99 Default transaction code 0 Reader Alarm Zone (F2) 0 Entrance/Exit Delay (F3) 0 Sec Min Door alarm buzzer Leave door relay open during all 'Door open time' Misc. 0 F1 3 4 5 6	Badge format Card code length Format	8
	PIN without Hash (#) General Door control Access mode Miscellaneous/Badge format Finger Print		



4- The reader should be configured with the right Bio Wiegand Format in the 'Reader > Finger Print' screen.

Hereafter an example when using 34 bits cards; following to the previous table the Bio Wiegand Format should be 'Suprema Custom Format', Total bits: 38 and ID Length bits: 32.

Reader	A REAL PROPERTY OF	
New Save Delete First Prev. Neg	t Last Downld. Search Print Close	
Select a reader :		
Rdr01 / TPL4	Finger Print - Rdr01 / TPL4	
Rdr01 / TPL4 Rdr02 / TPL4	Network	Bio Wiegand format
	TCP 219 Unit address 58306 Get Address	Suprema Custom Format Total bits 38
	Active SiteKey Settings Enrollment reader	ID Length bits 32
	Operation Mode Fingerprint only	
	Card + Finger	Admin Password
		Use Default: Edit
		OUse Personal:
	General	
	Door control	
	Access mode	
	Miscellaneous/Badge format	
	Finger Print	

5- A cardholder must be created with the name "Error" for example and the card code "00009999".

Note that it is important that the 'Bio Template ID' of the cards is not equal to 0. To check it, open the Badge screen and look at the corresponding field.





The 'Bio Template ID' is normally automatically computed by the system from the card code, based on the Badge format and the Bio Wiegand format.

However, in a case where the database already contains cardholders prior to the addition of the Suprema readers, 'Bio Template ID' of these cardholders will stay '0'. The value of zero is not acceptable by the reader. In such cases it is required to force GuardPointoPro to calculate the 'Bio Template ID'. This is done by

using the 'Advanced Setting' option in Badge screen.

Selecting the option reveals 2 buttons: 'Calculate' & 'Calculate All'.

Calculate \rightarrow Calculates the 'Bio Template ID' for the selected cardholder

Calculate All \rightarrow Calculates the 'Bio Template ID' for all the cardholders in the database

🗕 Badge					
Image: NewImage: SaveImage: Save	Image: Next Last Image: Downld. Search Print Image: Close				
Select a badge :		Create a group or badges			
00000608	General - 00000608				
00000608 44450372	Code : 00000608 Get from card	Owner :			
	j00000608 Get from card Type : Image: Constraint of the second section of the second	green			

This calculation should be done after all the readers were defined and their two formats ('Reader Format' & 'Bio Wiegand Format') were configured according to the above table.