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## How to configure One Device(Legacy) Mode

In BioStar 2.5.0 or below, the wiegand input signal can be processed after you add the 3rd-party device as wiegand device. This means that you cannot regard the 3rd-party device as one device with Suprema reader. For example, if you should use the special card which is not supported in Suprema reader with the authentication mode "Card + Fingerprint", you may connect 3rd-party reader with Suprema reader via Wiegand. At this point, many customers would like to deal with the card authentication event as if it is generated in one device.

From BioStar 2.6.0, we will introduce new feature "**One device Mode**". In this feature, if the wiegand input is configured in device setting and then wiegand signal is generated without adding 3rd-party reader as wiegand reader to master device, the wiegand signal will be received in master device (Suprema reader).

Authentication Mode: Card(unsupported in Suprema reader) + Fingerprint



### How to configure?

You can configure One Device Mode without any additional task. You should just connect 3rd-party device with Suprema reader using wiegand cable.

1. Connect 3rd-party device with Suprema reader using wiegand cable. At this point, the wiegand input port should be connected in Suprema reader.
2. Set connection mode to either **Master** or **Default**.

One Device(Legacy) Mode supports all types of device if wiegand input setting is configured. The **SLAVE** device does not support One Device Mode. Only Master or Default(Standalone) can be supported.

3. Change **Format Type** into **Wiegand** and select the suitable wiegand format. In addition, select **Wiegand Card Format**.

CSN Card Format

- Format Type ☒ Wiegand
- Wiegand Format 

26 bit SIA Standard-H10301

Wiegand Card Format

- Wiegand Format 

ID#1 26 bit SIA Standard-H10301

4. In the Advanced Setting, configure **Wiegand Input/Output** into **Input** and then select the suitable **In/Out Format**.

Wiegand

- Input/Output 

Input
- In/Out Format 

ID#1 26 bit SIA Standard-H10301
- Output Mode ☒ Normal ☐ Fail Code 

0x00

5. We will test “Card + Fingerprint” authentication with these setting.

5-1. In Suprema reader, we configure Auth Mode to “Card + Fingerprint”.

Auth Mode

	Always	
+	Always	
+	Always	

+ Add

5-2. Once you succeed in card authentication on 3rd-party device, wiegand input signal will sent to Suprema reader. After that, Suprema reader requests you to scan fingerprint on it. If you succeeded in scanning fingerprint on Suprema reader, below event will happen as if “Card + Fingerprint” authentication is generated in one device.

Real-time Log

Save Filter Pause Clear

Date	Door	Elevator	Device ID	Device	User	Zone	Event	View
2018/03/28 11:13:48	15F office		541531003	BioStation A2 541531003 (192.168...			Door locked	
2018/03/28 11:13:45	15F office		541531003	BioStation A2 541531003 (192.168...			Door unlocked	
2018/03/28 11:13:45			541531003	BioStation A2 541531003 (192.168... 2(hailey)			1:1 authentication succeeded (Card + Fingerprint)	
2018/03/28 11:04:04	15F office		541531003	BioStation A2 541531003 (192.168...			Door locked	
2018/03/28 11:04:01	15F office		541531003	BioStation A2 541531003 (192.168...			Door unlocked	
2018/03/28 11:04:01			541531003	BioStation A2 541531003 (192.168... 2(hailey)			1:1 authentication succeeded (Card + Fingerprint)	

## Supported Device & Firmware version:

Device	Version
BioStation 2	V1.6.0 or above
BioStation A2	V1.5.0 or above
BioEntry P2	V1.1.0 or above
BioStation L2	V1.3.0 or above
BioEntry N2	V1.0.0 or above
BioEntry W2	V1.2.0 or above
FaceStation 2	V1.1.0 or above

\* Entry device which firmware version is V2.x is not supported

\* One Device Mode does not support CoreStation

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