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How to configure One Device(Legacy) Mode

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

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

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



How to configure?

You can configure One Device Mode with no additional task. You just have to connect the 3rd-party device with a Suprema reader using a Wiegand cable.

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

One Device (Legacy) Mode supports all types of devices if the 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** 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 settings.

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 a 3rd-party device, the Wiegand input signal will be sent to the Suprema reader. After that, the Suprema reader requests you to scan fingerprints on it. If you succeeded in scanning fingerprints on the Suprema reader, the 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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