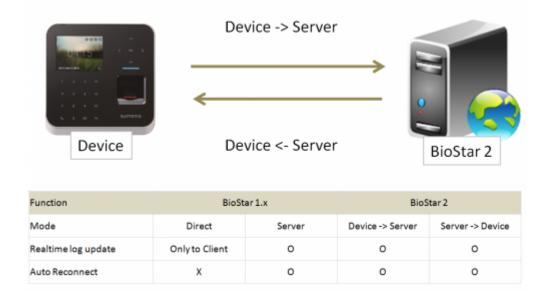
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System Configuration, BioStar 2, Device

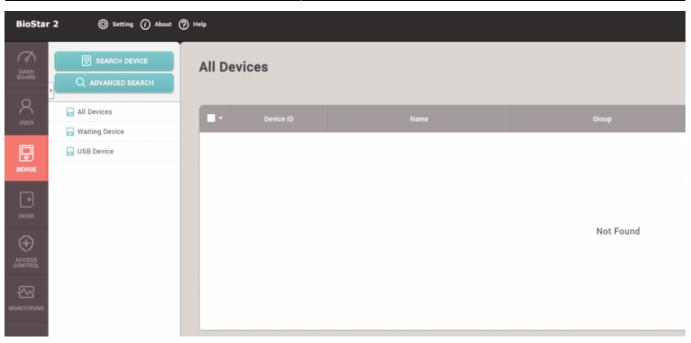
How to add devices

BioStar 2 supports two connection modes as the below image shows. Check the fundamental course contents for more information.



Add devices to the BioStar 2 server

1. Go to **Device** and click **Search Device**.



2. Select the devices to add to the server. BioStar 2 has two communication modes, **Device** \rightarrow **Server** and **Server** \rightarrow **Device**.

No functional difference between the two. But, **Device** \rightarrow **Server** direction can protect the device connection not to be changed or disconnected from the designated server.

Search	Device						
Found	7 device(s).						Search
	Device ID	Neme	Group		Device Type (Master/Slave)	IP Address	Status
~	15	BioEntryW 15 (192.168.16.144) 🖋	All Devices	~	BioEntryW	192.168.16.144	ок
	10006	BioEntryW 10006 (192.168.16.1 🖋	All Devices	~	BioEntryW M	192.168.16.171	ок
	538102099	BioLiteNet 538102099 (192.168 🖋	All Devices	Ŧ	BioLiteNet M	192.168.16.204	ок
	539308121	BioEntryPlus 539308121 (192.1 🖋	All Devices	Ŧ	BioEntryPlus M	192.168.16.239	ок
	538101264	BioLiteNet 538101264 (192.168 🖋	All Devices	~	BioLiteNet	192.168.16.210	ок
	538102578	BioLiteNet 538102578 (192.168 🖋	All Devices	Ŧ	BioLiteNet	192.168.16.200	ок
	546832488	BioStation 2 546832488 (192.16 🖋	All Devices		BioStation 2	192.168.16.238	ок

If you want to change the device IP address or their communication modes to **Device** \rightarrow **Server**, click **Set IP** instead of **Add** button.

Found 7	device(s).	Set IP				×	Search
	Device ID						
	15	Device ID	Device Type	Use DHCP		14	ОК
	10006	15	BioEntryW		92.168.16.144	n	ок
	538102099	538101264	BioLiteNet	Subnet Mask 2	55.255.255.0	04	ок
	539308121			• Gateway	92.168.16.1	39	ОК
	538101264			Device Port	1211	10	ОК
	538102578			Device Server Con	nection	00	ок
	546832488			_	92.168.16.25	38	ок
				Server Port	1212		
	Set IP						Close

3. Set the server IP address and click **Apply**. Then, the device will automatically try to make a connection.

		Use DHCP	
15	BioEntryW	IP Address	
538101264	Confirm		× 5.255.255.0
	<u> </u>		2.168.16.1
	May take s want to ap	everal minutes. Do you ply changes now?	211
	_		
	Yes	No	ection
			2.168.16.25
		Server Port	51212

4. With the **Device** \rightarrow **Server** direction, the device will be shown on the **Waiting Device** list. Refresh the browser to check the connectivity. Once you find the device, you can confirm and add them to the server by right clicking on the device tree and click **Add Waiting Device** button.

BioSta	r 2 🛞 Setting 🕧 About	Help			
Dash Board	SEARCH DEVICE Q ADVANCED SEARCH	All Dev	vices		
R USER	All Devices		Device ID	Name	
DEVICE	BioEntryW 15 (192.160.16.1 Add BioLiteNet 53810126	Waiting Device			
DOOR	🕞 USB Device				
ZONE					

SEARCH DEVICE ADVANCED SEARCH	All Devices			
All Devices	- Device ID	Name	Group	Device Type (Master/Slave)
BioEntryW 15 (192.168.16 BioLiteNet 538101264 (192.	15	BioEntryW 15 (192.168.16.144)	All Devices	BioEntryW
Waiting Device	538101264	BioLiteNet 538101264 (192.168.16.210)	All Devices	BioLiteNet
USB Device				

Add slave devices connected through RS-485 interface

1. Check the physical device connection, and change the device to be the master device in the device setting.

2022/07/22 08:00

Network						
тср	/IP					
	Use DHCP					
	IP Address					 Subnet Ma
	Gateway	192.168.16.1				Device Por
	 Support 100 BASE-T 	Not Use				 MTU Size
Serv	ver					
	Device - Server	r Connection				
	Server IP	192.168.16.25				 Server Port
Seri	al					
	• RS485	Default			*	Baud Rate
		Master				
		Slave				
Authenticat	ion	Default				
	Auth Mode				+ Add	
			Always	21		
		-	Always	20		

- Master Making a logical decision and control a local zone
- Slave Become a dummy reader to send credential input to the master device

2. Change the device to be **Slave Mode** to be able to be searched by the master device. Connect to the master device through RS-485 cable, and check the physical wiring connection, and go to BioStar 2 and **DEVICE** tap and right click from the device tree and then click **Search Slave Device**.

DASH BOARD	Network			
8	TCP/IP			
USER	Use DHCP			
	IP Address	192.168.16.144		• Subnet Ma
DEVICE	Gateway	192.168.16.1		Device Port
POOR	 Support 100 BASE-T 	Not Use		• MTU Size
	Server			
	□ Device → Server	Connection		
(+)	Server IP			Server Port
ACCESS	Serial			
	• RS485	Slave	Ŧ	Baud Rate
MONITORING				

BioStar	· 2 🛞 Setting ()	About 🕐 Help			
DASH BOARD	Q ADVANCED SEARCH	All De	vices		
Q USER	All Devices	264 (192	Device ID	Name	Group
Ģ	Waiting Device	Add Wiegand Device	8101264	BioLiteNet 538101264 (192.168.16.210)	All Devices
DEVICE	USB Device	Search Slave Device Reconnect			
•		Manage Users in Device			
DOOR		Sync Device Reboot			
\odot		Delete Device			
ZONE			- -		
Ð					
ACCESS CONTROL					
MONITORING					

3. Check the search result and click **Add** button. Up to 31 slave devices can be connected through daisy chain, and up to 8 fingerprint devices can be connected among the total. But, if there's a situation of making many fingerprint matching with multiple number of devices at the same time, it's recommended to use the limited number of slave fingerprint devices for the optimal matching performance.

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				Sear
	Device ID	Name		Device Typ
~	10000030	DoorModule20 100000030	,	DoorModul 20
	15	BioEntryW 15	1	BioEntryW
BioLite	Net 538101264 (1	192.168.16.210) has 2 slave Device(s)		
		Add		Cancel

All Devices	Device ID	Name	Group	Device Type (Master/Slave)	IP Addre
BioLiteNet 538101264 (192	538101264	BioLiteNet 538101264 (192.168.16.210)	All Devices	BioLiteNet	192.168.16.210
BioEntryW 15	15	BioEntryW 15	All Devices	BioEntryW	5
Waiting Device	100000030	DoorModule20 10000030	All Devices	DoorModule20	8
US8 Device					

Video Demo

devices.mp4

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