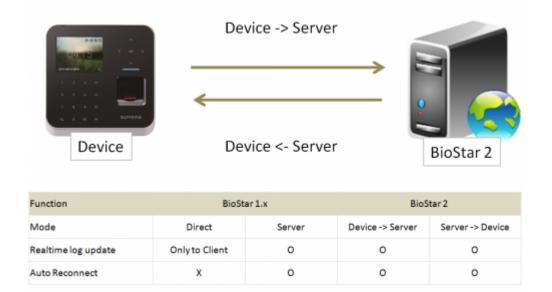
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#### System Configuration, BioStar 2, Device

# How to add devices

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



## Add devices to the BioStar 2 server

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

BioStar	2 💮 Setting () About	(?) Неір			
DASH BOARD	SEARCH DEVICE      Advanced search	All Devices			
Q USER	All Devices	De De	vice ID	Name	Group
DEVICE	🕞 Waiting Device				
DOOR					
					Not Found

2. Select the devices you want to add to your server.

BioStar 2 has two communication modes, **Device**  $\rightarrow$  **Server** and **Server**  $\rightarrow$  **Device**.

There's no functional difference between the two. However, **Device**  $\rightarrow$  **Server** direction can prevent the device connection from being changed or disconnected from the designated server.

Search	Device						
Found 7	device(s).						Search
	Device ID	Name	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	Ŧ	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.

Device ID			
15	BioEntryW	Use DHCP     IP Address	
538101264	Confirm	* IF Address	× 5.255.255.0
		everal minutes. Do you bly changes now?	2.168.16.1
			ection
	Yes	No	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 connection. Once you find the device, you can confirm and add it to the server by right-clicking on the device tree and clicking **Add Waiting Device** button.

BioStar	r 2 🔞 Setting () About	? Help			
Dash Board	Q ADVANCED SEARCH	All De	vices		
R USER	All Devices		Device ID	Name	
DEVICE	BioEntryW 15 (192.169.16.1 Add BioLiteNet 53810126+(172.1	Waiting Device			
DOOR	🕞 USB Device				
<b>O</b> ZONE					

SEARCH DEVICE     Q ADVANCED SEARCH	All Devices			
All Devices	- Device IC	) 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 via RS-485 interface

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

	Network				
	TCP/IP				
	Use DHCP				
]	IP Address				<ul> <li>Subnet Masi</li> </ul>
	Gateway	192.168.16.1			Device Port
]	<ul> <li>Support 100 BASE-T</li> </ul>	Not Use			MTU Size
	Server				
	Device Server	Connection			
	<ul> <li>Server IP</li> </ul>	192.168.16.25			<ul> <li>Server Port</li> </ul>
ő.	Serial				
3	• RS485	Default		A	Baud Rate
RING	10.00	Master			
		Slave			
		Default			
/	Authentication				
	Auth Mode	۲	Always	<b>∠</b> ¥	
		□ +	Always	29	
			Abvave	19	

- Master Making logical decisions and controlling local zone
- Slave Become a dummy reader to send credential input to the master device
- \*logical decisions: The master device matches user biometric information and user information received from the slave device, opens the door according to the result, and delivers the result to the slave device. It also controls the Local Zone.

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

DASH BOARD	Network			
A USER	TCP/IP			
_	Use DHCP			
	<ul> <li>IP Address</li> <li>Gateway</li> </ul>	192.168.16.144		Subnet Ma     Device Port
	Support     100 BASE-T	Not Use		MTU Size
DOOR	Server			
ZONE	Device Server Con	nection		
	Server IP			Server Port
	Serial			
~	• RS485	Slave	*	Baud Rate
MONITORING				

BioStar	2 🛞 Setting ()	About 🕐 Help			
DASH BOARD	Q ADVANCED SEARCH	All De	vices		
R USER	All Devices	264 (102	Device ID	Name	Group
Ģ	Waiting Device	Add Wiegand Device	8101264	BioLiteNet 538101264 (192.168.16.210)	All Devices
DEVICE	USB Device	Reconnect			
•		Manage Users in Device			
DOOR		Sync Device			
~		Reboot			
$\bigcirc$		Delete Device	J		
ZONE					
$\oplus$					
ACCESS CONTROL					
MONITORING					

3. Check the search result and click **Add** button.

Up to 31 slave devices can be connected through a daisy chain, and up to 8 fingerprint devices can be connected among the total.

But, if there's a need of making many fingerprint matching with multiple devices at the same time, it's recommended to use the limited number of slave fingerprint devices for the optimal matching performance.

#### 2022/07/22 08:00

				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

Image: Control of the state of the stat		
BioEntryW 15         S38101264         BioLiteNet 538101264 (192.168.16.210)         All Devices         BioLiteNet           Image: DoorModule20 100000030         I5         BioEntryW 15         All Devices         BioEntryW           Image: Waiting Device         DoorModule20 10000030         DoorModule20 10000030         All Devices         BioEntryW	ice Type ter/Slave)	IP Address
Image: Control of the second	M 1	192.168.16.210
Walting Device	8	
	8	

#### Video Demo

#### devices.mp4

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