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BioStar 2, Network, VPN, WAN

BioStar 2 Server and Device Port Usage

BioStar 2 uses several ports to establish device and data communication. This information is crucial if you are installing the devices on remote networks with WAN or VPN. If you need more information regarding connection modes please refer to Connection Modes in BioStar 2

The server port of BioStar 2 is 51212 by default, but it can be configured to another port in **Setting** > **Server**.

Maria DB uses port 3312 T&A module uses port 3000, 3002 Nginx uses port 9000

To check out the full list of port usage, refer to our Freshdesk FAQ article

Server to Device

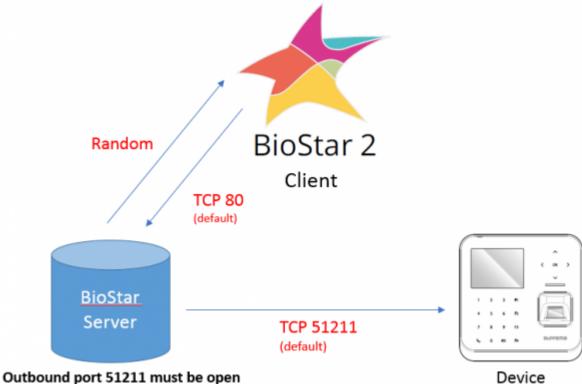
With server to device mode, the device connection is initiated from the BioStar Client and the client makes a connection to the server. This is why you cannot see the device from another client when it's already connected to particular client. In this case, the port number is like the below.

BioStar 2	2 @ Set	ting () About () Help		
DASH BOARD	 ✓ Serv 	rer		
А user	General			
DEVICE		BioStar IP Address	Апу	¥
DOOR		BioStar Port	51212	
© zone		Web Server Protocol	● HTTP ○ HTTPS	

If you are installing devices in a remote network, it is recommended that you use device to server, so that the device will automatically connect to the server if it loses connection.

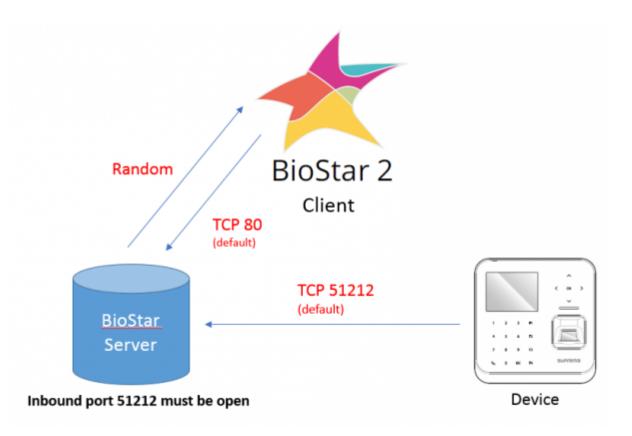
Refer to the images below to see what ports should be open and forwarded as necessary in your firewall and router.

Server to Device Mode



Outbound port 51211 must be open

Device to Server Mode



Changing the Web Server Port

The server HTTP port or HTTPS port which is used to communicate with the client can be changed in BioStar Setting.

BioStar Setting is included in the installation of BioStar. You can search for the application in the start menu.

You will have to stop the services to change the port.

BS2	The BioStar 2 service has been stopped.	Stopped	Start
CORE	The Core Web Server service has been stopped.	Stopped	
T&A	The core web server service has been scopped.	Stopped	Start
	The T&A Web Server service has been stopped.	Stopped	Start
2			

Changing the Server Port

The server port can be changed in **Setting** > **Server** in BioStar 2's menu.

BioStar	r 2	🚱 Setting 🕜 About 🧿 Help	
dash Board		← Server	
Q USER		General	
Ð		BioStar IP Address	Any
		BioStar Port	51212
DOOR			
(O) ZONE		Web Server Protocol	HTTP HTTPS

Changing the Device Port

You can change the device port in the device menu after selecting the device. It is found in the network tab.

	Network			
	TCP/IP			
DOOR.	Use DHCP			
© zone	IP Address	192.168.14.233	Subnet Mask	255.255.255.0
æone ⊕	- Gateway	192.168.14.1	Device Port	51211
ACCEBS	DNS Server Address			

Below is a screenshot of BioStation 2's device manual. For device with LCDs, you can set it on the device as well.

< тср/ір	,		
Туре	•	Ethernet	•
PORT		51211	
DHCP		Enabled	
IP Address		192.168.16.141	
Gateway		192.168.16.1	
Subnet Mask		255.255.255.0	

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