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System Configuration, BioStar 1, Connection Mode, Direct Mode, Server Mode

Connection Mode in BioStar 1

The chart below shows a quick summary of the differences in the two modes.

	Direct Mode	Server Mode
Connections	BioStar Client -> Device	Device -> BioStar Server
Logs	Automatically saved in the DB only when BioStar Client is running	Automatically saved in the DB
How to add	Administrator should manually connect the device	Devices automatically connect to the BioStar Server
How to reconnect	Administrator should manually reconnect the device	Devices automatically reconnect to the BioStar Server
When to use	When real-time monitoring is not required	- When real-time monitoring is required - When using Suprema devices in WAN or VPN

If a device in server mode loses connection and then reconnects to the server, it will continue to upload the logs based on the last log index that was sent to the server before it lost connection. Hence no logs are lost.

Configuring Server Mode

Devices are in direct mode by default. To change the connection type to server mode:
1. Go to **DEVICE > Network**.

2. Set Server to **Use**.
3. Enter the **IP address** of the Server.

4. Check **Time Sync with Server** if all devices are in the same timezone.

- This will avoid wrong punch logs which may occur with devices with different times.
- This feature synchronizes the time of the device if there is more than 1 minute difference with the server.

5. Click **Apply**.

Viewing Devices on Server Mode

You can differentiate devices on server mode or direct mode by looking at the device tree:

- Devices directly under the Server tree are in server mode.
- Devices under the device tree are in direct mode.

> 2.x devices (A2, BioStation 2 etc.) will appear below the server tree regardless of connection type.
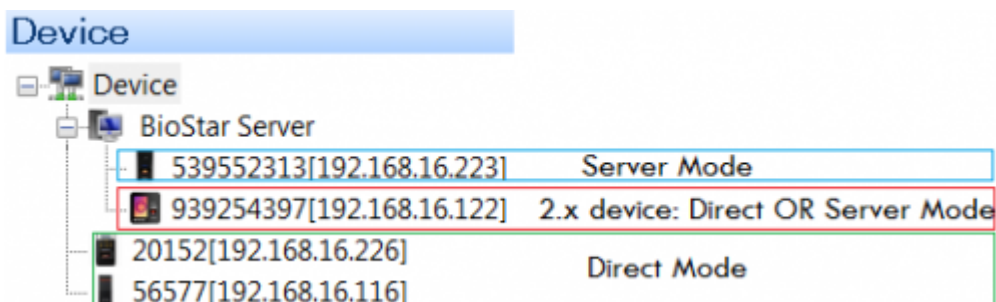
Troubleshooting Connection Change Issues

If a device does not shift to the server tree after changing it to server mode, try the method below:
1. Delete the device if it appears disconnected as direct mode.
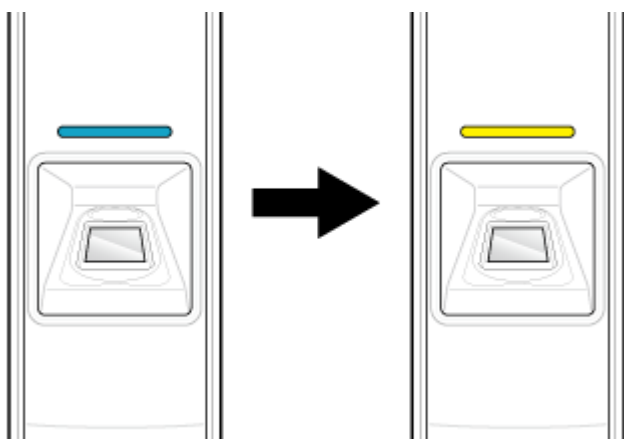2. Right click on the device tree and click **Refresh**.
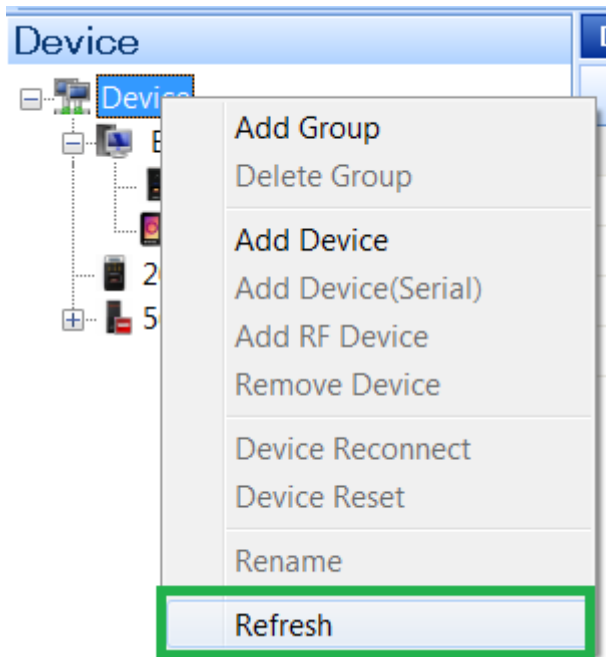
3. If the device fails to appear on the server tree after refreshing, check if you can ping the device.

4. If the ping is failing, it means that your device has no network connection. Check your network connection.
5. If the device is showing a Blue / Yellow LED, it means that it hasn't received an IP. Check your DHCP server.

6. If you have trouble finding the device with BioStar, you can use BioStar Config to search and change the network setting of the device.
Download BioStar Config Tool

The manual is included in the zip file.

7. If you cannot search with BioStar Config either, try resetting the device network settings to default. Instructions on how to set it to default is included in the device manual.