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How to use Lift I/O

In this document, we would like to introduce how to use Lift I/O in BioStar. Lift I/O is used to control access to the floors serviced by an elevator. This is carried out by wiring the Lift I/O and Suprema devices, so that Suprema devices determines and sends a signal to Lift I/O whether or not the user can be accessed and which floors can be selected. Please note that Lift I/O is compatible with Xpass, Xpass Slim, BioEntry Plus and BioEntry W only.
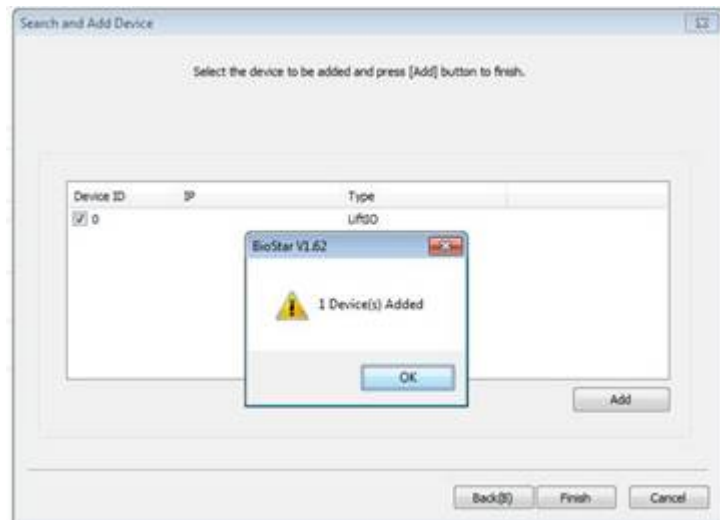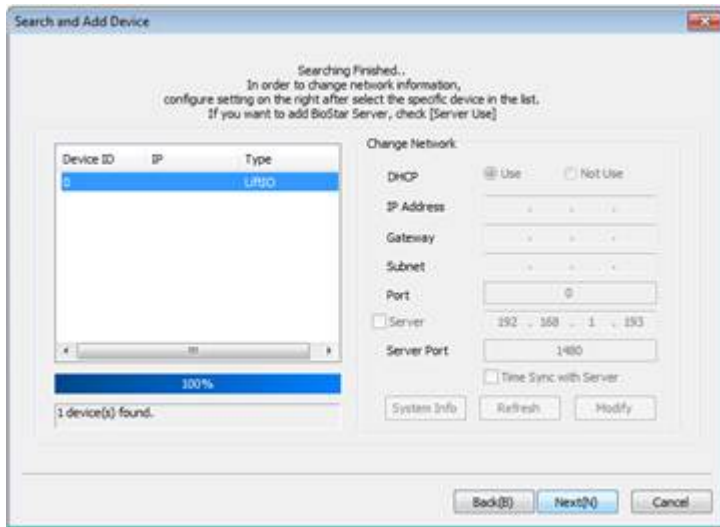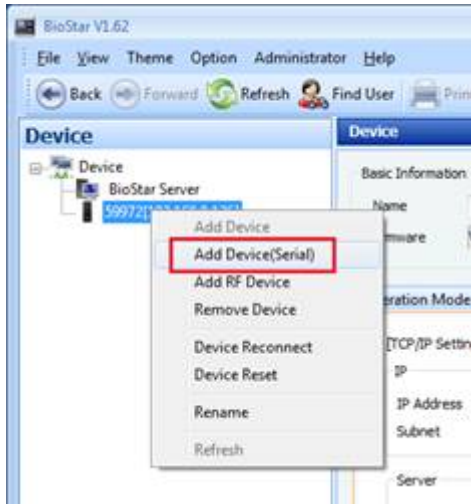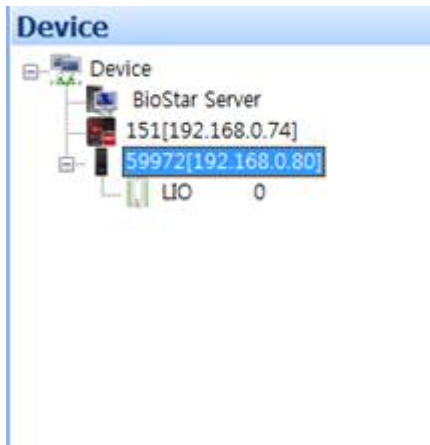
Wiring

Lift I/O and devices are connected by RS485 cable. Please see the actual wiring below.


Adding the Lift I/O in BioStar

1. On the **Device** tab, right-click the Suprema device you want and click **Add Device (Serial)**.

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File View Theme Option Administrator Help

Back Forward Refresh Find User Print

Device

Device
 BioStar Server
 59972...

Add Device
Add Device(Serial)
Add RF Device
Remove Device

Device Reconnect
Device Reset

Rename

Refresh

Device

Basic Information

Name

Firmware

Operation Mode

TCP/IP Setting

IP

IP Address

Subnet

Server

Search and Add Device

Searching Finished..
In order to change network information,
configure setting on the right after select the specific device in the list.
If you want to add BioStar Server, check [Server Use]

Change Network

Device ID	IP	Type
0		LiftIO

DHCP   Use   Not Use
IP Address
Gateway
Subnet
Port   0
Server   192 . 168 . 1 . 193
Server Port   1480
Time Sync with Server

100%

1 device(s) found.

System Info   Refresh   Modify

Back(B)   Next(N)   Cancel

Search and Add Device

Select the device to be added and press [Add] button to finish.

Device ID	IP	Type
0		LiftIO

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 1 Device(s) Added
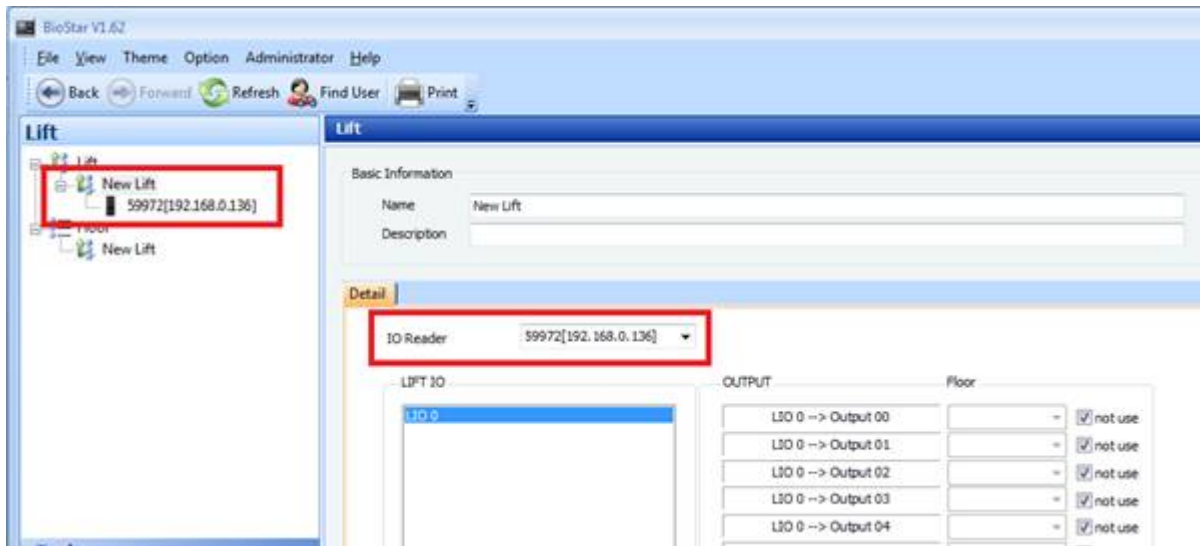
OK

Add

Back(B)   Finish   Cancel

Setting the Lift I/O in BioStar

1. On the **Lift** tab, select **Add New Lift** from the task pane. Right-click the New Lift and click **Add Reader** to add Suprema device.
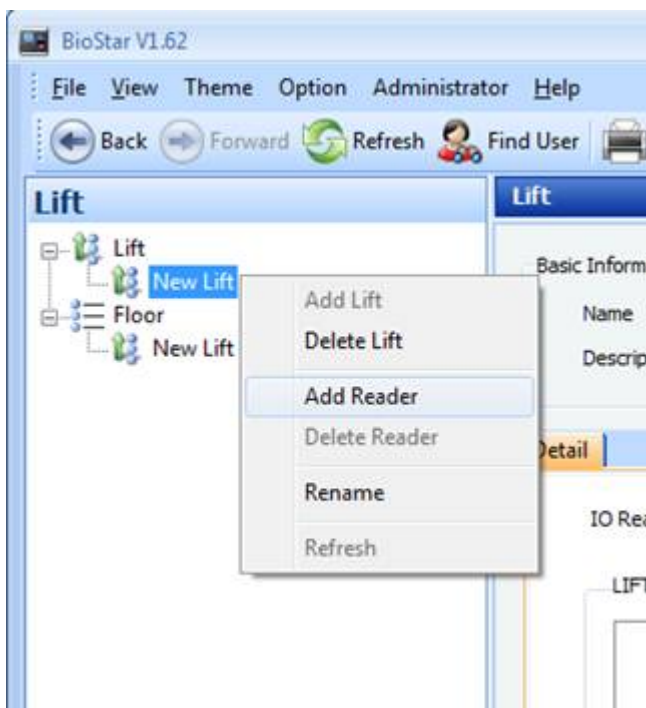

2. Now you have successfully added Suprema device as a reader.

3. Assign floors to selected Lift I/O outputs. One Lift I/O has total 12 outputs, that is, one Lift I/O is capable of handling 12 floors. Simply uncheck the **Not use** box and assign floors to each output.

In this example, we will use [Output 00] to [Output 04].

- [Output 00] → First Floor
- [Output 01] → Second Floor
- [Output 02] → Third Floor
- [Output 03] → Forth Floor
- [Output 04] → Fifth Floor
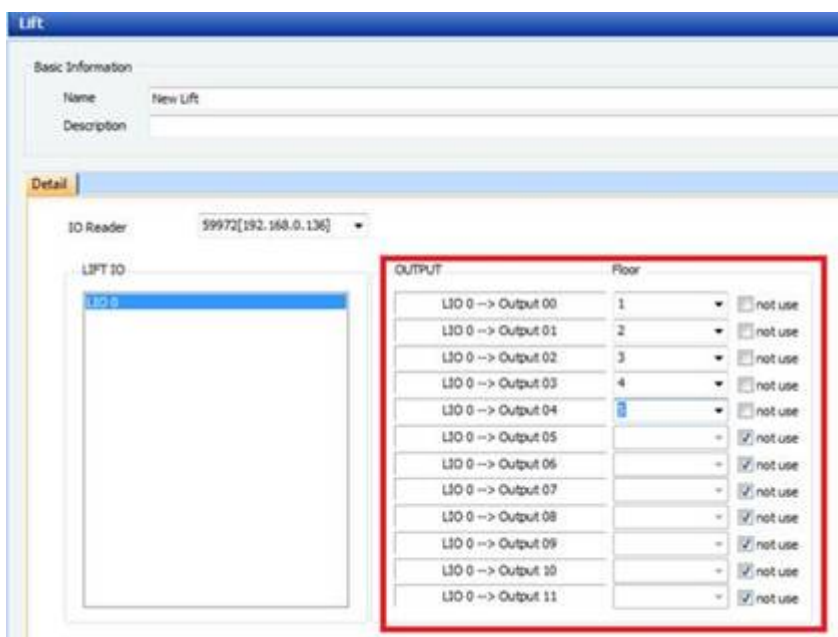
5. Click **Manage Users** in Task pane.

6. Select a user and assign floors.
In this example below, the user "Chorong Lee" is allowed only floor 1 to 3. This user is not allowed to gain access on floor 4 and 5. After assigning the floor, click **Transfer to Device** to transfer the users.
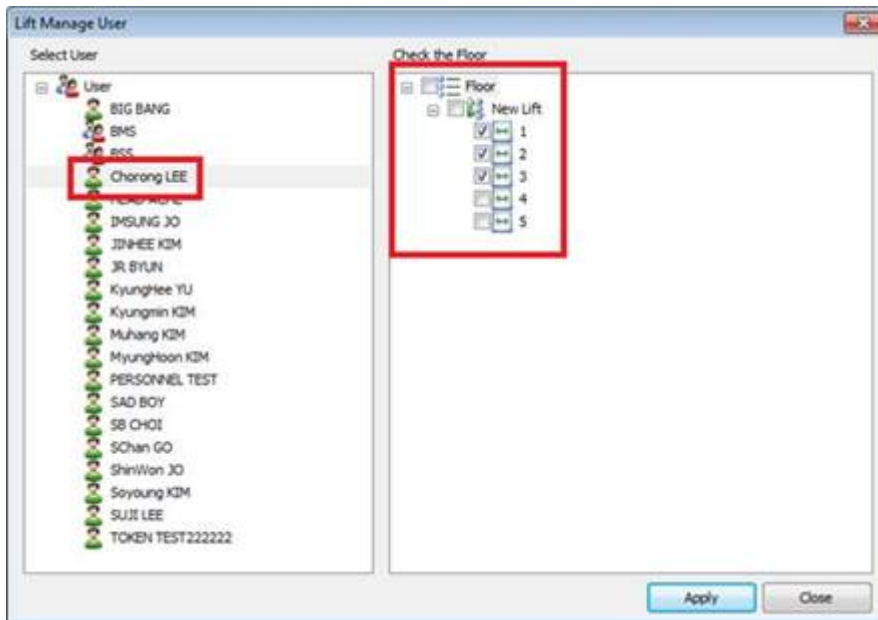
7. When placing card/fingerprint of the user "Chorong Lee", only three lights are turned on.