

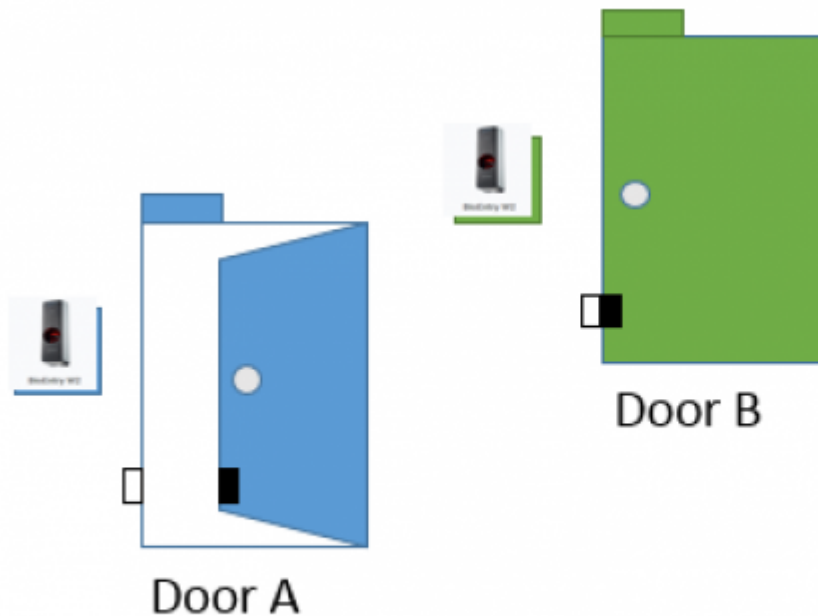
Table of Contents

How to Configure an Interlock Zone

1

How to Configure an Interlock Zone

To provide a secure interlock area, one of the doors must be locked when the external input, such as door status sensor, indicates that the other door is opened. This feature is usually considered important in laboratories or operation rooms where security of dust is of high concern.



Door B will only open if door A is closed and locked

Applied version: BioStar2 v2.6

Compatible case:

Only Local zone is supported for interlock zone

CoreStation should be a RS485 Master of the local zone

FW : cs40 v1.1.0 or higher version

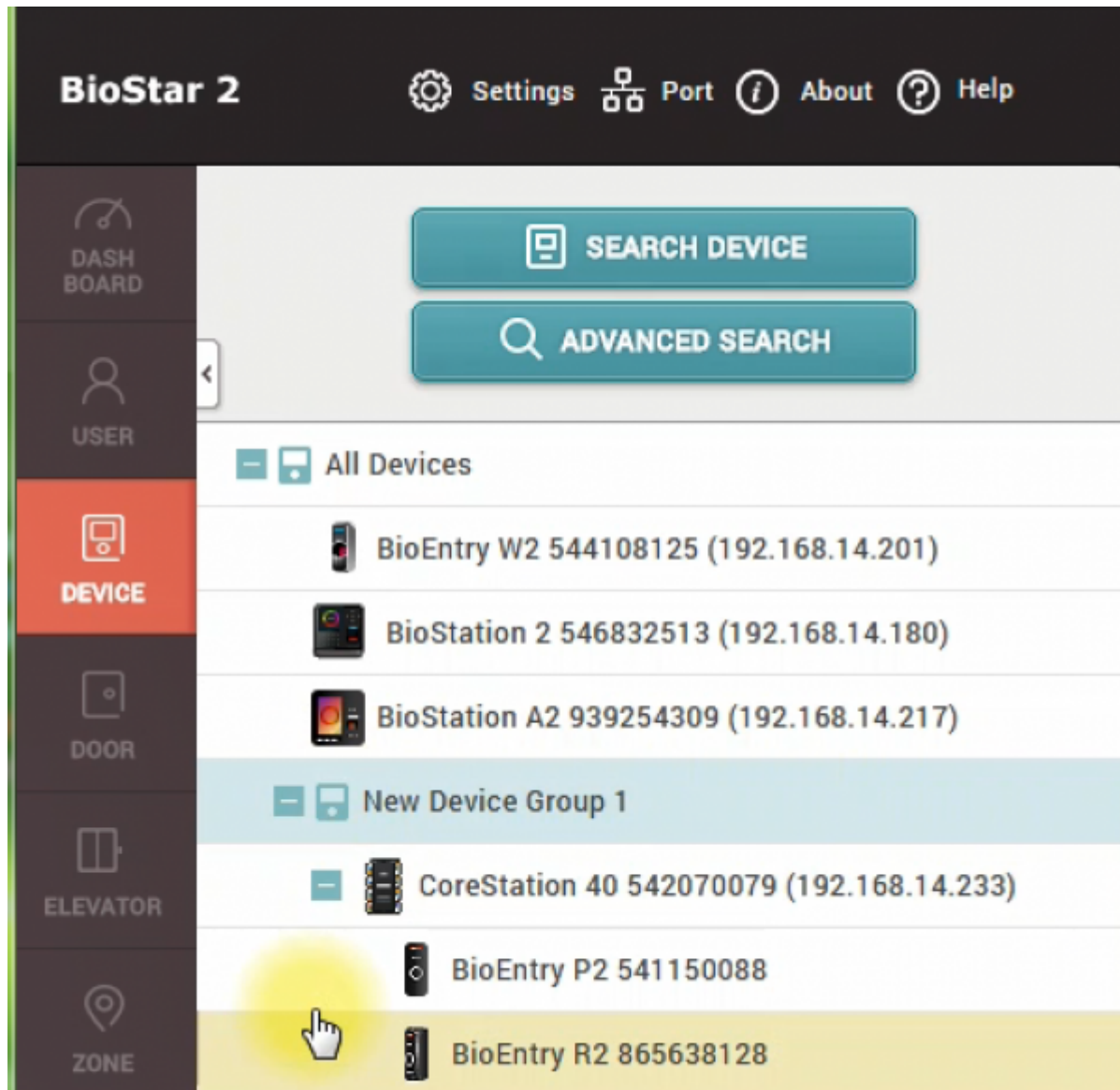
The interlock zone will be supported by CoreStation firmware. It means that you can use any devices for Interlock Zone Configuration as slave devices of CoreStation.

[interlock_zone.mp4](#)

1. Activate BioStar 2 AC license as standard or higher level For license inquiries, please contact to our

sales representative.

2. Confirm the **zone** menu
3. Go to **Device** menu
4. Add CoreStation and its slave devices



5. Confirm the firmware version of the CoreStation is 1.1.0 or higher version
6. Go to [Door] menu and make two doors
7. Confirm if each door is configured for Door Sensor

The screenshot shows the 'Configuration' section of a web interface. On the left is a sidebar with icons for 'DEVICE', 'DOOR' (highlighted in red), 'ELEVATOR', 'ZONE', 'ACCESS CONTROL', and 'CONFIGURATION'. The main area has two tabs: 'Configuration' and 'Option'. Under 'Configuration', there are fields for 'Entry Device' (BioEntry R2 865638128), 'Door Relay(s)' (Relay 1 of CoreStation 40 542070079 (192.168.14.233) Device), 'Exit Button' (Input Port 2 of CoreStation 40 542070079 (192.168.14.233) De...), 'Door Sensor' (Input Port 3 of CoreStation 40 542070079 (192.168.14.233) De...), 'Exit Device' (None), and two 'Switch' options: 'Normally Open' (ON) and 'Normally Closed' (OFF). The 'Option' tab is partially visible below, showing 'Open Time' set to 3 sec and 'Lock when door is closed' (ON).

8. Click [Zone]

9. Add Interlock Zone

10. Configure the door of the Interlock Zone

You can select up to 4 doors.

The screenshot shows the 'Add New Interlock Zone' page. It has a back arrow and the title 'Add New Interlock Zone'. The 'Information' section shows 'Name' as '14F Interlock Zone' and 'Type' as 'Interlock'. The 'Configuration' section has 'Mode' set to 'Local' (OFF), 'Active/Inactive' set to 'Active' (ON), and 'Door' set to 'P2 Door + 1'. A dropdown menu is open for 'Door', showing 'P2 Door' and 'R2 Door' both checked. A note states '* Door sensor must be set to use.' The 'Option' section is partially visible at the bottom.

11. If you would like to make an alert sound or output signal, set an alarm of the Interlock zone

Add Alarm

Event

☒ Interlock door open denied alarm

☐ Interlock door open denied alarm (Occupied)

Action

☐ Output

☒ Alert Sound

• Device

BioEntry P2 541150088

• Buzzer Volume

Low

Apply

Cancel

12. To confirm the configuration of the Interlock setting, go to **Monitoring**
13. Open one of the doors and keep the opened status, then try to authentication to same door
14. Confirm the [Interlock door open denied alarm] as follows

Real-time Log

Save Filter

Pause

Date	Door	Elevator	Device ID	Device	User	Zone	Event
2018/03/18 20:42:15	P2 Door					14F Interlo...	Interlock door open denied
2018/03/18 20:42:15						14F Interlo...	Interlock door open denied alarm
2018/03/18 20:42:15							Access denied (Interlock)
2018/03/18 20:42:11	P2 Door						Held door opened
2018/03/18 20:42:08	P2 Door						Door opened
2018/03/18 20:42:06	P2 Door						Door unlocked
2018/03/18 20:42:06							1:N authentication succeeded (Fingerprint)

Interlock door open denied alarm

• Device

CoreStation 40 542070079
(192.168.14.233)

• Alarm

Interlock door open denied alarm

• Date

2018/03/18 20:42:15

Comment

Acknowledge

Ignore

From:

<http://kb.supremainc.com/knowledge/> -

Permanent link:

http://kb.supremainc.com/knowledge/doku.php?id=en:how_to_configure_an_interlock_zone&rev=1640759836

Last update: **2021/12/29 15:37**