

SimOccluder User Guide

1. Powering the Device

Turning On:

- To turn on the device, push the power button located on the back.
- Blue double blink (every 3 seconds): Device is on and searching for Bluetooth
- Quick blue double blink (once): Bluetooth just connected – short confirmation flash.

Turning Off:

- Continue holding the power button for up to 3 seconds to shut down.
- Rapid red blinking: Indicates the power button is being held.
- Solid red: Device is shutting down – saving state and resetting motor before turning off.



2. Bluetooth Connection Status

- Blue double blink (every 3 seconds): Searching for a Bluetooth connection.
- Blue single blink (every 5 seconds): Connected and operating normally.

3. Device in Use / Motor Activity

- Purple blink (every 2 seconds): Motor is moving or running startup calibration..

4. Battery & Charging Status

- Blue breathing (smooth fade): Charging normally – leave connected until full.
- Red triple blink (every 3.5 seconds): Low battery – charge soon.
- Red breathing (smooth fade): Charging error – unplug and reconnect the charger.
- Fast red double blink: Critical battery – device is about to shut down. Charge immediately.

5. Error Conditions

- Red blink (every 0.5 seconds): System error – device requires attention.
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6. Auto-Shutdown Timing

The device will automatically turn off if there's no activity:

- After 15 minutes if it's not connected to Bluetooth.
 - After 60 minutes if it's connected but not in use.
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LED Color Summary

- **Blue** = Normal operation
 - **Purple** = Motor activity
 - **Red** = Battery warning, system error, or shutdown
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Connecting SimOccluder to REALiTi 360

1. **Power on the REALiTi 360 system, then connect the monitor and the controller tablet.**
2. **Open the Connection Panel**
On the Monitor tablet, swipe from right to left to open the connection panel.
3. **Connect SimOccluder**
Select SimOccluder from the list and connect it to the REALiTi system.
4. **Adjust Occlusion Settings**
In the Controller, you can adjust:
 - Occlusion value
 - Trend time

Tap 'Send' to apply the settings.

SimOccluder Settings

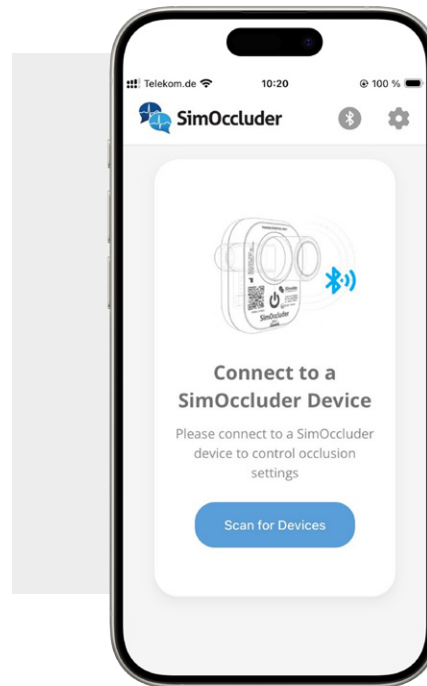
1. **Change Device Name**
You can rename the device as desired (up to 16 characters).
2. **Firmware Update**
 - A pop-up notification will appear if a firmware update is required.
 - You can also check the current firmware version and update status in settings.

For Non REALTi 360 User

Connecting SimOccluder to the SimOccluder Standalone App

- 1. Download the SimOccluder App**
Install the SimOccluder application on your device from the Google Play Store or Apple App Store – it's free to download.
- 2. Launch the App and Power On the Device**
Open the SimOccluder app and switch on your device.
- 3. Scan and Connect**
Use the app to scan for available devices, then select and connect to your device.
- 4. Adjust Occlusion Settings**
Once connected, you can adjust the following settings via the controller:
 - Occlusion Value
 - Trend Time

Tap 'Play' to apply the settings.



Download the SimOccluder app for free from the Google Play Store or Apple App Store

SimOccluder App Settings

- 1. General**
 - Application version status
 - Language selection
- 2. Device Settings**
 - Device connection status
 - Change device name using the 'Edit' button
 - Disconnect device
 - Scan for another device
- 3. Device Firmware**
 - Current firmware version
 - Firmware update prompt (appears if an update is required)
- 4. Debug**

View general system information:

 - App version
 - Connection status
 - Battery information
 - Occlusion data
 - Device information



Note

Please ensure that Bluetooth is enabled on your device for the SimOccluder app. If SimOccluder is currently connected to another device, disconnect it first before attempting to connect to a different device.

IF YOU HAVE ANY QUESTIONS OR NEED SUPPORT, PLEASE SCAN HERE



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