

UltraLink Activation

Troubleshooting guide


16 November 2023



Linmore LED
ULTRALINK
WIRELESS CONTROLS SIMPLIFIED

www.linmoreled.com/ultralink

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


Problems

1. When I try to add a device to the zone, a “Device is not activated” message (and ☹) appears

Contact UltraLink Support to check the device activation. Make sure to include:


- Device name
- App logs (tap  and select **Send logs > More... > Save to files**)


2. I do not see a device to add in the UltraLink mobile app

1. Move as close to the device as possible. It seems that the Bluetooth connection was lost. Then, in the **UltraLink mobile app**, set the slider to **All**.
2. Do one of the following steps to check if the device has not already been added to a different zone or project.
 - Power the device off and on.
 - Monitor the flashing of the status LED of the device.
3. If the device does not flash a few times after power on, or the status LED flashes every two seconds, it means that the device has been added to a different zone or project. In such a case do one of the following steps to remove this device from the zone or project.
 - Refer to the device datasheet for instructions about how to reset the device. In most cases you need to press and hold a reset button for some time. But some devices have a switch that triggers a reset when a magnet is applied to them. When the reset is triggered, the status LED will flash every one second. After the reset is complete, the status LED will flash every 0.3 seconds.
 - In the **UltraLink mobile app**, find which zone the device has been added to. Tap  next to the device name to make sure that this is the correct device. If the correct device flashes quickly, tap .
4. Make sure that the device is correctly connected to the power source and installed according to its installation guide.
5. If you still do not see the device, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Device type and manufacturer
 - App logs (tap  and select **Send logs > More... > Save to files**)

3. I cannot add a device. The device appears as “Failed” instead of “Completed”




1. Move as close to the device as possible. It seems that the Bluetooth connection was lost.
2. Make sure that your mobile device is connected to the internet and that Bluetooth is on.
3. Go back to the list of devices and tap **Configure all**.
4. Move to the zone and do a mesh quality test.

In the **UltraLink mobile app** for iOS/iPadOS, go to the project and in the area field, tap  > **Mesh quality > Start test**.
5. After the test is complete, tap the zone. If some devices are shown in red, see [Optimizing mesh network performance](#).


6. If you still get this error, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Device type and manufacturer
 - App logs created after failed attempt of adding the device (tap  and select **Send logs > More... > Save to files**)

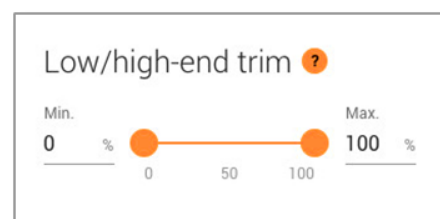
4. I cannot control or configure devices or change the function of devices with the mobile app

1. Move as close to the device as possible. It seems that the Bluetooth connection was lost.
2. Do a mesh quality test.

In the **UltraLink mobile app for iOS/iPadOS**, go to the project and in the area field, tap  > **Mesh quality > Start test**.
3. After the test is complete, tap the zone. If some devices are shown in red, see [Optimizing mesh network performance](#).
4. Make sure that these devices work correctly.
 - a. On the **Test** tab, tap  next to each device name to make sure that the device flashes.
 - b. On the **Devices** tab, tap **Diagnostic > Element 0 – Health Server > UltraLink Registered Faults** to make sure that there are no errors.
5. Make sure that these devices are correctly connected to the power source and installed according to their installation guide.
6. If you still cannot control or configure devices or change the function of devices, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Name of the zone and devices
 - App logs after failed attempt of control, configuration, or function change (tap  and select **Send logs > More... > Save to files**)


5. Light level in the zone is lower than expected

1. Make sure that the number and power of the installed luminaires is sufficient.
2. In the [UltraLink web app](#), go to the project and area.
3. On the **Commissioning** tab, click the zone and then .
4. Make sure that the light levels are set as intended.
5. Set the **Max.** value for the **Low/high-end trim** to 100%.
6. Click **Save**.
7. In the **UltraLink mobile app**, go to the zone and tap **Configure all** to configure all devices in the zone again.
8. If a *Daylight harvesting* scenario is used, see [Silvair Daylight Harvesting](#).
9. If the light level is still lower than expected, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Name of the zone

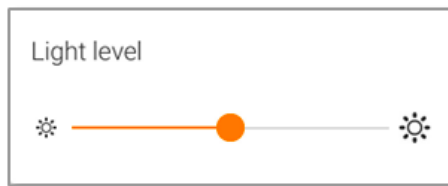



6. Calibration does not start when I tap the button

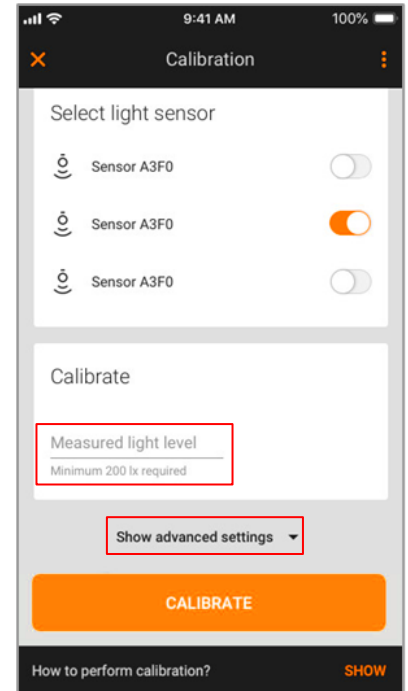
1. Wait for more sunlight so that the measured light level is at least the minimum specified below the **Measured light level** field.
2. If the required minimum light level cannot be achieved, because for example you must calibrate at night, continue as follows.

 Calibrating in conditions other than daylight can cause daylight harvesting not to work correctly.


3. In the **UltraLink mobile app**, go to the **Devices** or **Settings** tab, tap **Calibrate**, and expand **Show advanced settings**.
4. Move the **Light level** slider to the right so that the light meter shows the minimum required by the app.




5. In the **Measured light level** field, enter the value in lux (lx) shown on the light meter.
6. Tap **Calibrate**.
7. If you still cannot calibrate, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Sensor type and manufacturer
 - App logs created after failed calibration attempt (tap  and select **Send logs > More... > Save to files**)
 - Photo/video of the setup



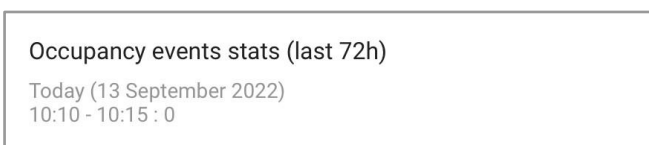
7. “There are some issues with the light sensor” message appears when I calibrate the sensor


1. Make sure that the sensor is not too far away from the luminaires and is not added to a different zone.
2. Make sure that the correct light sensor is selected in the calibration view.
3. Make sure that the sensor is positioned so that the light of the luminaires is in the field of view of the sensor.
4. Make sure that the sensor works correctly, and is not damaged or covered with paint.
 - a. In the **UltraLink mobile app for iOS/iPadOS**, go to the **Devices** tab, and tap the sensor. Then, tap **Diagnostic > Element 1 – Sensor Server > Data** and read the value.
 - b. Point the beam of a flashlight at the sensor.
 - c. Tap  and make sure that the value changes.
5. Remove anything that obstructs the view of the sensor.
6. Make sure that the sensor is installed according to the recommendations of the manufacturer, has the correct field of view, and is not subject to light from outside of this field.
7. If you still get this error, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Sensor type and manufacturer

- App logs after failed calibration attempt (tap  and select **Send logs > More... > Save to files**)
- Photo/video of the setup

8. There is no presence but the light is on when occupancy/vacancy sensing is used

1. In the **UltraLink web app**, make sure that the zone linking is configured as intended and that no other linked zone triggers the light in this zone.
2. Make sure that there is no presence in the zone, go to the **Test** tab in the mobile app, and use buttons and sliders to check if the light responds. If the light does not respond as intended, [make sure that you can control the devices](#).
3. If manual controls are used in the zone, make sure that the **Manual override timeout** is enabled in the profile for the zone in the web app. Then, press the **Auto** button on the wall switch, or in the mobile app go to the **Test** tab and tap **Auto**.
4. Check if the sensors work correctly.
 - a. In the **UltraLink mobile app for iOS/iPadOS**, go to the **Test** tab, expand the sensor list. If any sensor has a green marker that is flashing or constantly on, replace the sensor.
 - b. If there is no such a faulty sensor, continue as follows.
 - i. Go to the **Devices** tab, tap the sensor that you suspect does not work correctly, and then tap **Monitoring**.
 - ii. Tap **Occupancy event stats (last 72h)** and see if the value has increased even though there was no presence in the zone. If the value has increased, replace the sensor.



- iii. If there are other sensors in the zone, compare their **Occupancy event stats (last 72h)** to find a sensor whose value is much larger than for the rest of the sensors.
 - c. If the **Occupancy event stats (last 72h)** option is not available, create zones so that there is only one sensor per zone. Then, monitor where the light comes on while there is no presence in the zone to find the faulty sensor.
5. Make sure that the light is not triggered by trees, animals, fans, moving objects, or scheduling events.
 6. If the light is still on with no presence, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Sensor type and manufacturer
 - App logs (tap  and select **Send logs > More... > Save to files**)
 - Photo/video of the setup
 - Value of the occupancy event stats

9. Scheduled in-node events do not work


1. Make sure that the project version is 202101 or later.
 - a. In the **UltraLink web app**, go to your projects.
 - b. In the project field, click **⋮ > Edit**.
 - i. Read the project version on the right of the **Project name** field.
 - ii. If the project version is earlier than 202101, click the version number and select **Update now** to update the project.
2. Make sure that all devices have firmware version 2.20.2 or later.
 - a. In the **UltraLink web app**, go to the project.
 - b. Click **Report > Download** to download the *Commissioning report*.
 - c. Open the report and search for “firmware version”.
 - d. If the firmware version of any of the devices is earlier than 2.20.2, update the firmware as described in [OTA firmware update for provisioned devices](#).
3. If the firmware of devices has been recently updated, remove the devices from the zones and add them again.
4. Make sure that the time zone and the time of events are set correctly.
 - a. Go to your project and click **Edit project** to make sure that the time zone is correct.
 - b. In the **UltraLink web app**, go to the project and area, and click **Scheduling** to make sure that the time of each event is correct.
5. Make sure that the scheduled zones have a profile with a *Multiple scenes / Scheduling* scenario and that the profile settings are correct.

In the **UltraLink web app**, go to the project and area, and click the zone and then **✎**.
6. Make sure that each event has zones assigned.



In the **UltraLink web app**, go to the project and area, and click **Scheduling**. If there are no zones assigned, click the event, select a scene and make sure that the required zones are highlighted, and click **Save**.
7. Go on site to the zone and do a mesh quality test.


In the **UltraLink mobile app for iOS/iPadOS**, go to the project and in the area field, tap **⋮ > Mesh quality > Start test**.
8. After the test is complete, tap the zone. If some devices are shown in red, see [Optimizing mesh network performance](#).
9. Sync the time between the mobile device and the mesh network.
 - a. In the **UltraLink mobile app for iOS/iPadOS**, go to the project list.
 - b. In the project field, tap **⋮ > Time sync > Sync time**.
10. If the events still do not work, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Name of the area, zone, and event

10. Scheduled gateway events do not work or the gateway does not collect data


1. Make sure that the gateway is powered (LED is green), connected to the internet, and has no issues.
2. Make sure that the gateway status in the [UltraLink web app](#) is OK.
Go to the project > **Gateways**.
3. Make sure that the gateway is assigned to the related areas.
Go to the project > **Gateways** > **:** > **Edit**.
4. Make sure that the gateway is in range of the related areas. The best location for the gateway is in the center of the area and close to a relay.
5. Make sure that the hosts and ports listed in [UltraLink Gateway user guide](#) have been added by the local admin to the list of allowed hosts and ports.
6. Make sure that, for scheduling, the zones controlled by the gateway have a profile with a *Multiple scenes / Scheduling* scenario and that the profile settings are correct.
In the **UltraLink web app**, go to the project and area, and click the zone and then .
7. Make sure that each event has zones assigned.
In the **UltraLink web app**, go to the project and area, and click **Scheduling**. If there are no zones assigned, click the event, select a scene and make sure that the required zones are highlighted, and click **Save**.
8. Make sure that each event has the correct local time set.
9. [Make sure that you can control the devices](#).
10. Make sure that the scenes are configured correctly.
 - a. In the **UltraLink mobile app**, go to the **Test** tab, and press the scene buttons to check if the light behaves as intended.
 - b. If the light does not behave as intended, configure the devices in the zone again (tap **:** > **Full reconfiguration** > select devices > **Configure**) and try to control the light again.
11. If the events still do not work or the gateway still does not collect data, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - Name of the area, zone, and devices
 - Scheduling event name
 - Gateway location in the building

11. All luminaires do not respond to EnOcean



1. Make sure that there is a device that acts as an EnOcean adapter in the zone.
 - a. Select a device to act as an EnOcean adapter. This device must be close enough to the EnOcean switch.
 - b. On the **Devices** tab, tap the device, and then tap the **EnOcean** toggle switch to set this device as an EnOcean adapter. Make sure that this device is not also set up to act as a *static proxy* or a *relay*.
 - c. Tap  next to the device name to make sure that the device flashes.
2. Make sure that there is no warning on the **Devices** tab. If there is a warning, tap **Configure all** or **Repair**.
3. In the **UltraLink mobile app for iOS/iPadOS**, go to the **Test** tab and tap  to make sure that all devices flash.

4. If the luminaires still do not respond, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - App logs (tap  and select **Send logs > More... > Save to files**)
 - The type of the EnOcean switch


12. Sometimes all luminaires do not respond to EnOcean

1. In the **UltraLink mobile app**, go to the **Devices** tab and make sure that the device that acts as an EnOcean adapter is not also set up to act as a *static proxy* or a *relay*.
2. Set a different device to act as an EnOcean adapter. This device must be close enough to the EnOcean switch.
3. Use a different Bluetooth EnOcean switch.
4. Optimize the performance of your network (see [Optimizing mesh network performance](#)).
5. If the luminaires still do not respond, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - App logs (tap  and select **Send logs > More... > Save to files**)
 - The type of the EnOcean switch

13. Some luminaires do not respond to EnOcean

1. Make sure that the non-responding luminaires are added to the zone.
 - a. In the **UltraLink mobile app for iOS/iPadOS**, go to the **Devices** tab.
 - b. Tap **+** and add the luminaires to the zone.
2. On the **Test** tab, tap  next to the name of each non-responding luminaire to make sure that the luminaires flash.
3. Optimize the performance of your network (see [Optimizing mesh network performance](#)).
4. If the non-responding luminaires are in a different zone, it can be a problem with zone linking. Refer to *Zone linking recommendations* section in the [UltraLink Activation and Commissioning user manual](#).
5. Make sure that the non-responding luminaires are connected to the power source and installed according to their installation guide.
6. If the luminaires still do not respond, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - App logs (tap  and select **Send logs > More... > Save to files**)
 - The type of the EnOcean switch

14. Sometimes some luminaires do not respond to EnOcean

1. Set a different device to act as an EnOcean adapter. This device must be close enough to the EnOcean switch.
2. Optimize the performance of your network (see [Optimizing mesh network performance](#)).
3. If the luminaires still do not respond, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - App logs (tap  and select **Send logs > More... > Save to files**)

- The type of the EnOcean switch

15. I cannot control the linked zones

1. Make sure that no exclamation mark shows in the floor plan for the linked zones.
2. Make sure that each linked zone has the correct scenario set. Refer to *Zone linking recommendations* section in the [UltraLink Activation and Commissioning user manual](#).
3. Go on site to the zone that controls other zones and do a mesh quality test.
In the **UltraLink mobile app for iOS/iPadOS**, go to the project and in the area field, tap **⋮ > Mesh quality > Start test**.
4. After the test is complete, tap the zone. If some devices are shown in red, see [Optimizing mesh network performance](#).
5. If you still cannot control the linked zones, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL
 - A description of the required behavior of zone linking

16. “Risk of exceeding the RPL limit” message appears

1. Divide projects into areas so that no area has more than approximately 200 devices.
2. Divide areas into zones according to [Recommendations for complex lighting installations](#).
3. To remove this message, remove all devices from all zones in the project. Then, add some devices to these zones again and add the rest of devices to some new zones. To avoid this message in the future, create smaller zones.
4. Use devices with firmware version 2.18 or later. If the firmware version is earlier than 2.18, continue as described in [OTA firmware update for provisioned devices](#) to update the firmware.
5. See [Recommendations for complex lighting installations](#) to take into account the factors that contribute to the RPL of a device.
6. Do not use zone linking so that one zone is controlled manually from more than 28 zones.
7. If you still get this error, contact UltraLink Support to troubleshoot the issue. Make sure to include:
 - Project ID or URL

17. A part of the Bluetooth network does not work like the rest or cannot be controlled by the mobile app (IV index issue)

See the [Silvair IV index application note](#).

Contact information

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