



Add-On Products  
**OfficePlace**

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# Linak Sensor Configuration Guide

## Document Revision 01

Add-On Products  
Roms Hule 8 – 7100 Vejle – Denmark  
Phone: +45 7944 7000 Fax: +45 7944 7001

Mail: [info@add-on.com](mailto:info@add-on.com)  
Internet: [www.add-on.com](http://www.add-on.com)



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## Terminology

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Term	Definition
<b>Desk Tracking System</b>	The Desk Tracking System is developed for offices and allows DESKLINE applications to connect to a Wi-Fi network and track occupancy data from desks via a sensor.
<b>Desk Sensor</b>	An occupancy sensor that detects if an employee is using the desk where the Desk Sensor is mounted.
<b>Wi-Fi box</b>	A location where an appointment takes place. It can be a room, a desk, or any place in which an appointment can take place.
<b>Control box</b>	The control box ensures smooth drive of the desk and soft start/stop of the connected columns.

## CHAPTER 1.

# Introduction

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This document serves as a guide on how to add Linak Sensor to your Installation ID by configuring Desk Tracking System and Desk Wifi app.

The document consists of the following chapters:

- [Introduction](#) chapter gives you the structure of the document.
- [Step by step instructions](#) chapter provides you with the acquired steps that you need to set up Desk Tracking System and Desk Wifi app to add Linak Sensor to Installation ID.

CHAPTER 2.

# Step-by-step instructions

## Pre-requisite requirements

To be able to add Linak to your Installation ID, the following requirements must be met:

- You have generated the Installation ID and Installation token via Sensor Management. Refer to **Sensors User Guide** for how to retrieve them.
- An Android phone/tablet to install the Desk Wifi app.

To add Linak sensor to your Installation ID, you must set up a Desk Tracking System and use Desk Wifi App for configuring the tracking system.

## Step 1: Install Desk Wifi app

To download Desk Wifi app:

- Open the browser on your smartphone and enter the following [link](#) to navigate to Desk Wifi downloading interface. Tap the [Download] button.
- Once the download is complete, open your local Downloads folder.
- Tap on the Desk Wifi APK file and confirm 'Yes' when prompted for permission. The app will begin installing on your smartphone.

**NOTE:** This app can only be downloaded and installed on Android Operating System.

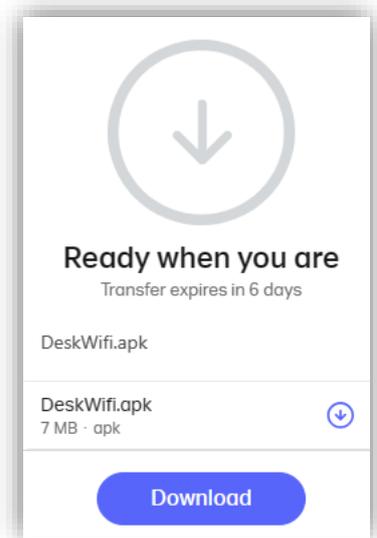


Figure 1. Download app

## Step 2: Grant permissions for Desk Wifi app

After installing Desk Wifi app successfully, you need to grant 2 permissions for this app. On your smartphone, open Settings and go to Apps. Select the app Desk Wifi to set the permission for.

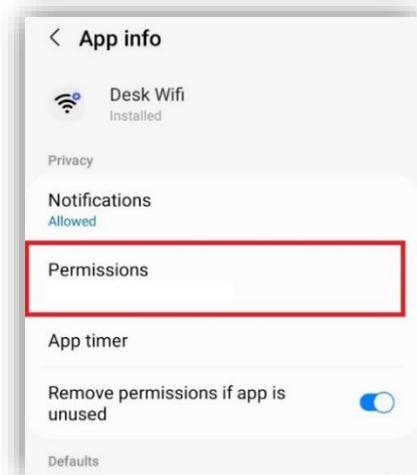


Figure 2. Grant permissions

In App info screen, tap on **[Permissions]** and you will see Allowed as well as Not allowed permissions for this app. You need to grant **Location** and **Nearby devices** permissions, however, Location permission is normally **allowed** automatically for you.

To allow Nearby devices, tap on it and select **[Allow]** to approve the access.

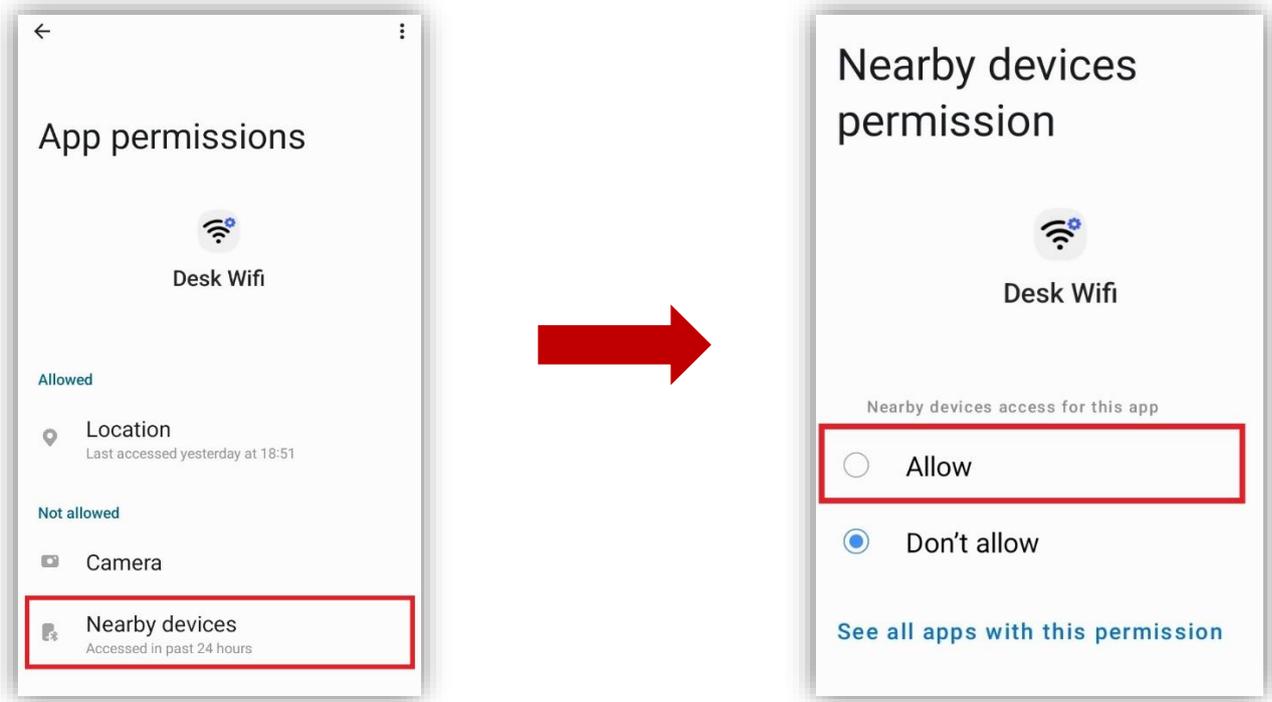


Figure 3. Allow access

The following screenshot should be assembled as a consequence of the delegation:

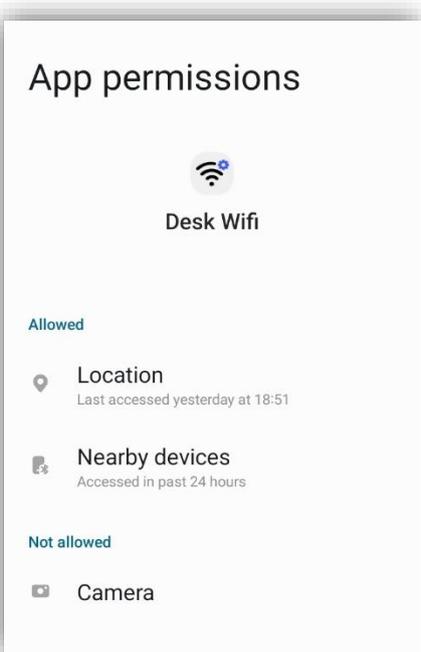


Figure 4. Permissions result

### Step 3: Connect Desk Tracking System

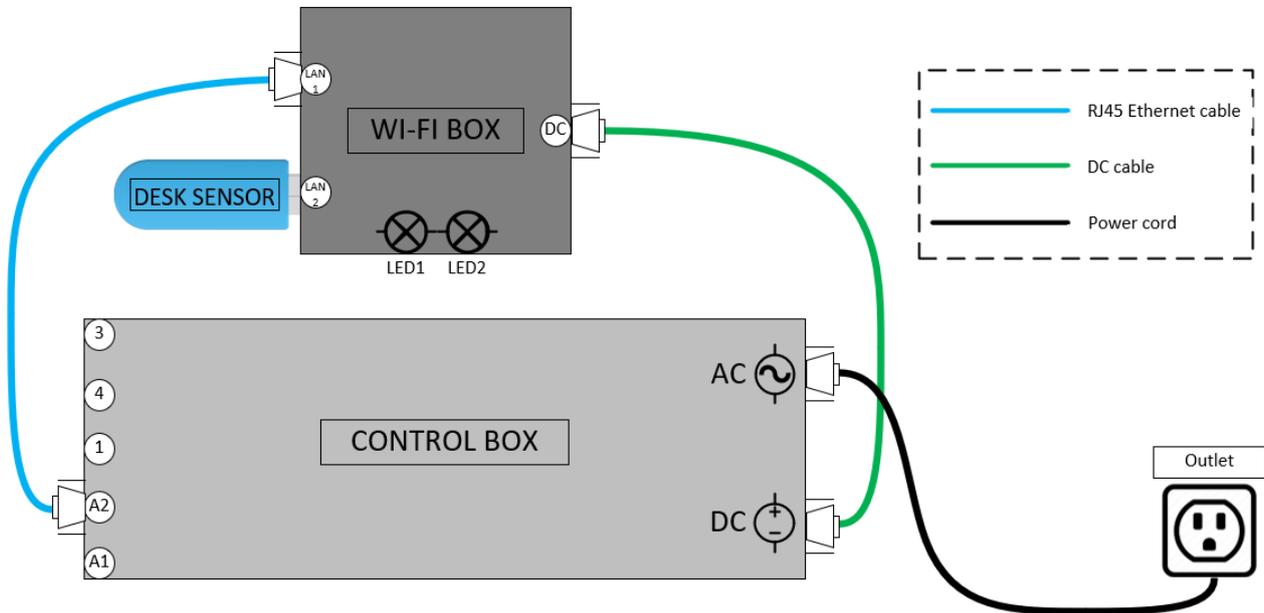


Figure 5. Desk Tracking System

In order to add Linak sensor to your Installation ID, you must have three physical devices connected together by several wires.

Preparation:

Hardware devices	Wires
Desk Sensor	1 power cord
Wi-Fi	1 RJ45 Ethernet cable
Control box	1 DC cable

1. Plug Desk Sensor into one LAN port of Wi-Fi Box.
2. Then, connect one end of the RJ45 Ethernet cable to the remaining LAN port on the Wi-Fi Box, and plug the other end into the Control Box's A2 port.
3. Use the DC cable to connect DC port of the Control Box to that of Wi-Fi Box.
4. Attach the power cord to the AC connector of the Control Box and plug it into an electrical outlet.

### Step 4: Reset Desk Tracking System

After connecting Control Box, Wi-Fi Box, and Desk Sensor together, you must reset this system before adding Linak sensor to your Installation ID.

With the Wi-Fi Box powered on, turn it to the side that has the Reset button. The Reset button is usually on the right side of this device.

Insert a paperclip or other thin wire through the label and depress the reset button. You will see the solid green color in both LED lights when it is pressed (you should not have to press very hard).

After several seconds, both LED lights will then turn to solid blue color. Keep holding down for 10 more seconds until you see a solid red light and a blinking blue light.

Release the button and unplug from the electrical outlet. Wait until the lights turn off and plug in the outlet again. The solid red light and the blinking blue light will display again, signaling that you have successfully reset your devices.

**IMPORTANT NOTE:** As soon as you re-plug the power cord to the outlet, you must quickly perform **Step 5** since you only have approximately 2 minutes to configure the Desk Wifi app before the solid red-blinking blue lights turns to solid red-blinking green. If the lights turn to solid red-blinking green, please unplug the power cord from the outlet and wait for the light to turn off. Then, plug in again and repeat **step 5**.

## Step 5: Configure the Desk Wifi app

**NOTE:** Before configuring the Desk Wifi app, you must connect your smartphone with Wi-Fi connection and switch on Bluetooth feature.

Open Desk Wifi app on your phone, 'Use the app...' interface will appear. Select **[Next]** to move to Log in section:

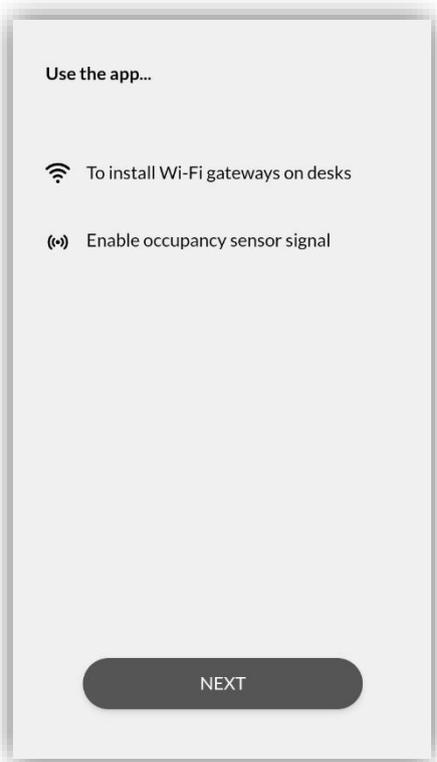


Figure 6. Desk Wifi app first interface

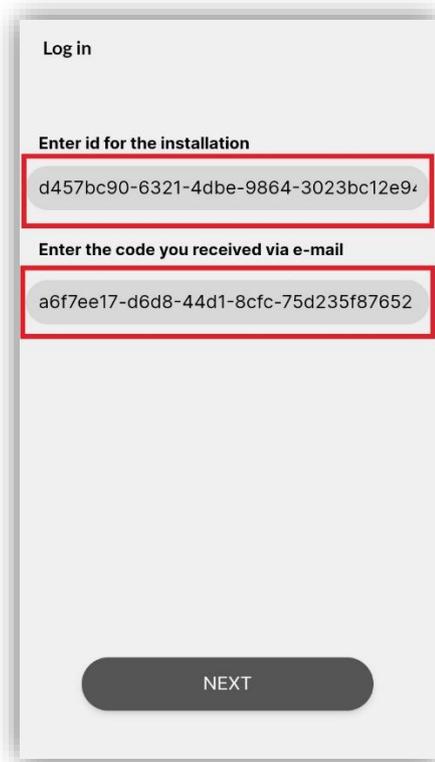


Figure 7. Log in interface

In the Log in screen, paste the following values into two required fields:

Field	Value
Enter id for the installation	Installation ID
Enter the code you received via e-mail	Installation token

Refer to "LINAK Installation Management" section in **Sensors User Guide** for how to retrieve Installation ID and Installation token for Log in procedure.

Tap on **[Next]** button to log in. When the process is complete, you will be notified of successful connection as the following figure:

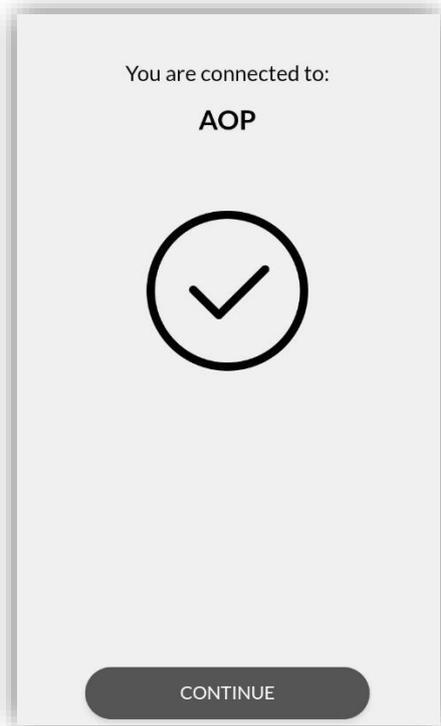


Figure 8. Connect to

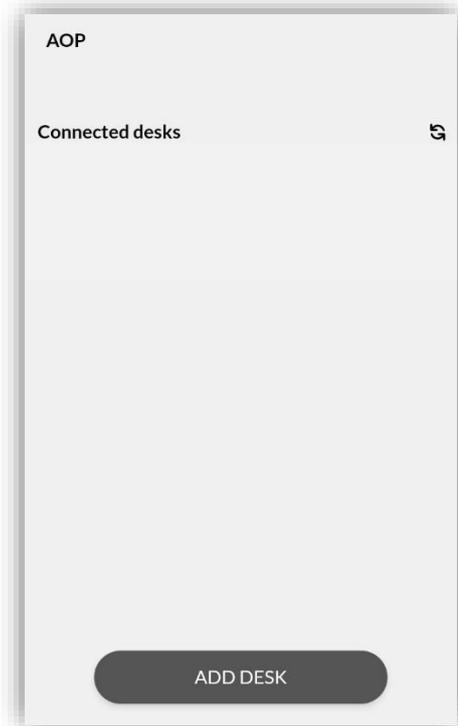


Figure 9. Connected desks list

Select [**Continue**] to move to Connected desks list. As this is the first time you configure this app, no desk is connected. Tap on [**Add desk**] to connect a desk. Then, this app requires you to connect to a Wi-Fi network:

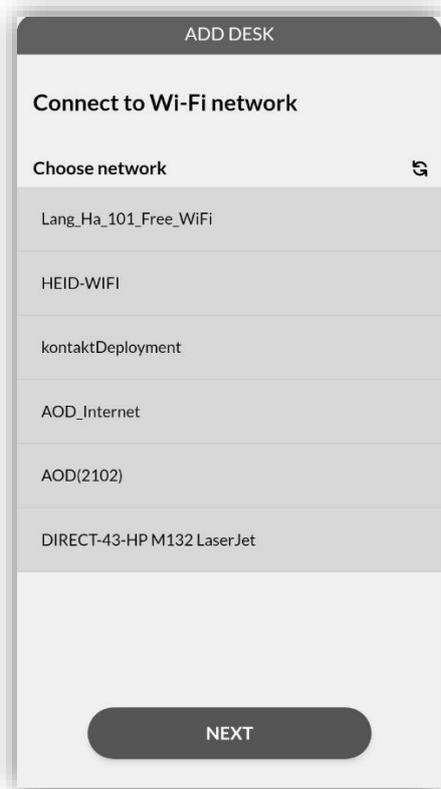
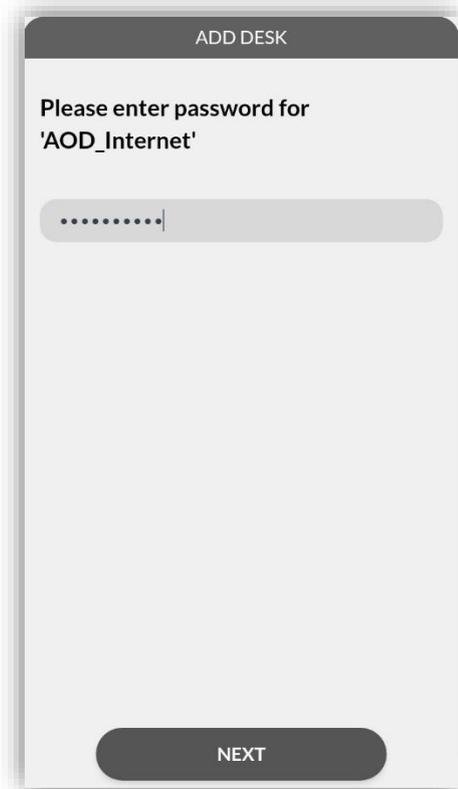


Figure 10. Connect to Wi-Fi network



After connecting to a Wi-Fi network, choose **[Next]** to navigate to 'Choose desk' screen. Tap on the refresh icon on the right and the app will scan the available desks via Internet and Bluetooth. After the refresh process, the desks will then be displayed. You now may notice that the LED lights color in Wi-Fi Box will turn to solid Green and Blue.



Figure 11. Scan desk

Finally, tap on **[Finish setup]** to complete the addition. The LED lights in Wi-Fi Box will both switch to Green, which implies that you have finished adding Linak Sensor to your Installation ID.

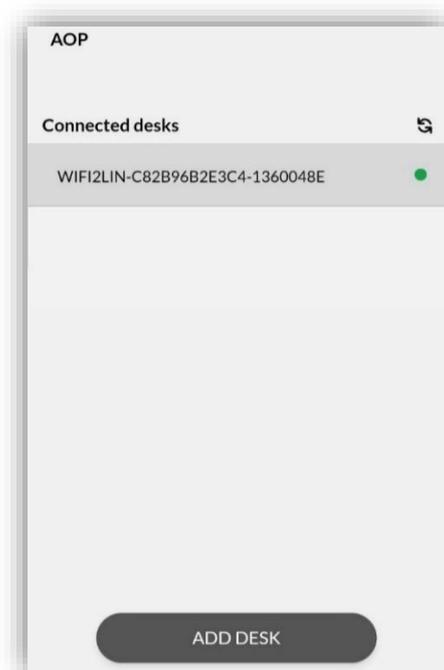


Figure 12. Connect successfully