



# Setting Up a Wired Connection with our Apps.

How to easily connect to the Charging Station using  
ethernet.

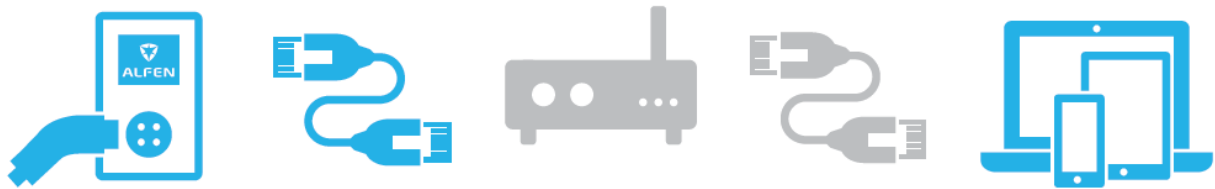
30-11-2023

# 1 How to setup a Direct Connection between App and Charging Station

## 1.1 Introduction

This Quick Reference Guide is designed to assist installers or service engineers in seamlessly setting up a wired connection between the Alfen Apps and one or multiple charging stations. This can be achieved either through a direct link between a laptop, tablet, or phone and a Charging Station, or by connecting the device to a switch with multiple charging stations like a Smart Charging Network. The instructions can also be applied when you are not connected to the internet.

To ensure a smooth connection, Alfen recommends using licensed converter cables and confirming that the IP address of the charging station aligns with your device's IP address.



## 1.2 Windows

Most laptop users on Windows 10 or 11, can simply plug-in an Ethernet/RJ45 cable into their device and the Alfen Charging Station requires no additional configuration. However, users with tablets or Surface Pro models will need an extra USB-C to Ethernet converter, though no further setup is necessary.

## 1.3 iOS/iPadOS

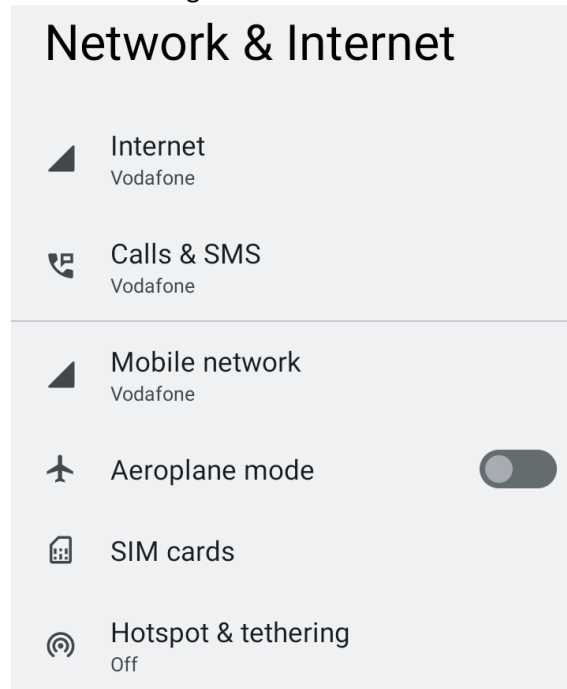
iPhone or iPad (Pro) users can utilize either a lightning-to-ethernet cable or a USB-C-to-Ethernet converter to directly connect an ethernet cable to the charging station. No further setup is necessary.

## 1.4 Android

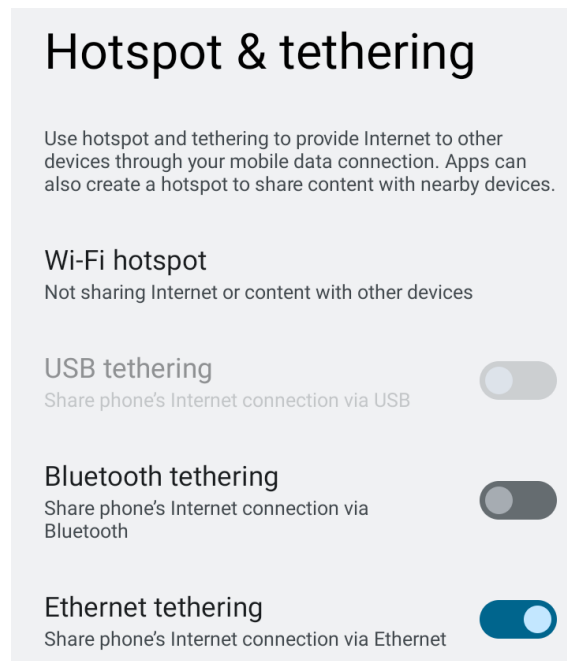
Setting up the hardware for Android users is also straightforward, whether using a micro-USB to Ethernet converter or a USB-C to Ethernet converter.

However, most Android users (excluding users on ChromeOS) will need to perform an additional configuration in the settings menu of their phone or tablet to enable the app to detect the charging station. Please follow the steps below, but note that screen layouts and wording may vary slightly per device and operating system:

1. Connect the converter and ethernet cable to your device and the charging station.
2. Navigate to your device's settings menu.
3. Access Network and Internet settings.



4. Choose Hotspot & Tethering.



5. Enable Ethernet tethering on this screen.
6. Open the app to view the detected charging station(s) in the network.

## 2 Recommended Ethernet Adapters

Here is a list of recommended ethernet adapters for iOS, Android, and Windows devices.

### 2.1 iOS Adapter

Belkin Ethernet- en lichtnetadapter met Lightning-connector

<https://www.apple.com/nl/shop/product/HMJU2ZM/A/belkin-ethernet-en-lichtnetadapter-met-lightning-connector>

Belkin USB-C-naar-Gigabit Ethernet-adapter

<https://www.apple.com/nl/shop/product/HJKF2ZM/A/belkin-usb-c-naar-gigabit-ethernet-adapter>

### 2.2 Android

Belkin USB-C-naar-Gigabit Ethernet-adapter

<https://www.apple.com/nl/shop/product/HJKF2ZM/A/belkin-usb-c-naar-gigabit-ethernet-adapter>

Belkin USB-C naar Ethernet adapter

<https://www.belkin.com/nl/usb-cethernet--en-oplaadadapter/P-INC001.html>

I-Tec USB-C Metal 2.5Ghz Ethernet Adapter

<https://i-tec.pro/en-us/produkt/c31metal25lan-9/>

### 2.3 Windows

i-tec USB 3.0 Metal Gigabit Ethernet Adapter

<https://i-tec.pro/en-us/produkt/u3metalglan-9/>

Linksys USB 3.0 Gigabit Ethernet Adapter

<https://www.linksys.com/usb3gig-usb-3.0-gigabit-ethernet-adapter/USB3GIG.html>