

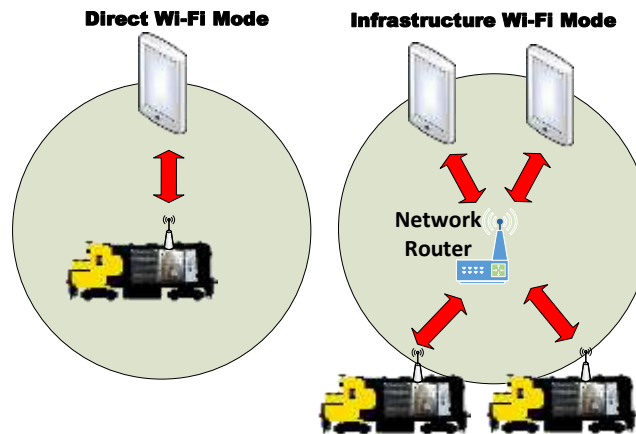
Loco Operator App

This document is available at <http://www.wifitrax.com/appNotes/quickStart/Loco-Operator-Quick-Start.pdf>

The Loco Operator app allows you to drive one or two locomotives fitted with a WifiTrax Loco Controller such as WMH-20 or WMR-10. You can download and install the app from the Microsoft Store for Windows 10 or the Google Play Store for Android. Go to our website to find the current version:

<http://www.wifitrax.com/products/product-loco-operator-app-detail.html>

Wi-Fi - Direct and Infrastructure Modes



The first thing to understand is that there are two ways of driving your loco over Wi-Fi: **Direct Mode** and **Infrastructure Mode**.

In direct mode, your computer, tablet or phone must be connected to the Wi-Fi Access Point within the loco. In this mode, you can only drive one locomotive with each installation of Loco Operator on a computer, tablet or phone.


In Infrastructure Mode, the locomotive and your computer, tablet or phone all connect as *Wi-Fi Stations* to the Wi-Fi Access Point of your network router. You can then build a full model railroad network with many locos, computers, tablets and phones. You can drive two locos with each installation of Loco Operator.





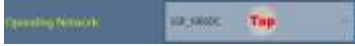
Quick Start – Driving in Direct Wi-Fi Mode

The easiest way to get your locomotive running and give it a test drive is in direct mode.









- (1) Power up your WifiTrax-installed locomotive on the track.
- (2) Connect your computer to the WifiTrax locomotive’s access point using Settings and Wi-Fi, just like connecting to Wi-Fi in a restaurant. The access point ends in the last six digits of the STA MAC printed on the label of the bag in which the unit was shipped.



- (3) Start the Loco Operator App on your computer, tablet or phone 

- (4) On the App, select the Settings Tab , then the Networks Page , and Click or Tap the Scan Nets button . If this is the first time you have run Loco Operator, this will happen automatically – just click Continue on the pop-up.
- (5) Go to the General Page  of the Settings tab,
- (6) Click or tap the Operating Network drop-down. 
- (7) Select by tapping, the network that has the last six digits equal to the last six digits of the STA MAC on the label of your WifiTrax module, for example:



- (8) Click or tap the Save button  and OK on the pop-up.
- (9) Select the Locomotives Tab.  Check the network is shown as accessible, then click the Scan button  and Continue on the pop-up.
- (10) Check that your locomotive appears and shows as Available. Its name will be SN followed by the serial number on the label, e.g. SN21100138. You can change this later. If nothing appears, go back and check step (1).
- (11) Go to the Drive Tab . Select the loco in the Drive: drop-down. The app should now connect to your loco and all the driving controls should be enabled.
- (12) Check the lights work OK by tapping the front and rear light buttons  to switch between Off, On and Auto. Leave them both on Auto.
- (13) Next you can make the Loco move forward by touching the throttle slider and gently moving it upwards. Your loco should move forward. The front light should come on.
- (14) Stop your loco and change direction by tapping the Direction button. Now you should be able to move the throttle up and the Loco should move backwards. The rear light should come on. You can get ultra-fine control by tapping the region of the throttle control above or below the slider. This will tap the speed up or down.
- (15) If your loco moves in the wrong direction, go to the Tuning tab , Page 2, and change the Direction Reversed setting from 1 to 0 – check the Loco Operator manual for full details. You must tap the “Send to Loco” button  and then the Save button  to fix the changes in the Loco’s flash memory. Similarly, if the wrong light comes on, change the Lights Reversed value from 0 to 1. If you want to drive faster, tap the Driving Mode button to Main Line. The speedometer must show zero before these buttons are enabled.

More Detail

When you are ready for more detail, continue reading the full quick start guide on our website:

<http://www.wifitrax.com/appNotes/Quick-Start.pdf>

There you will find out how to create a Model Railroad Wi-Fi network working in Infrastructure Mode and make your loco operate as a Wi-Fi station among your whole fleet. You will also find out about all the other things you can do with Loco Operator such as tune your locomotive, drive in different ways and set up multi-unit consists.