Computer Model Railway Control System
for Hand-held Devices

Android/Apple Version 1.17 (for iPod Touch, iPhone and iPad iOS 4 or greater)
Palm Version 1.08 (For Palm TX and Lifedrive OS 5 or later)
Windows CE/Mobile Version 1.08 (for CE & Windows Mobile up to 6.5)
(Revision March 2014)

PLEASE READ THIS GUIDE THOROUGHLY BEFORE CONTACTING SUPPORT

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The RailMaster HandHeld app allows you to control most of RailMaster’s functions wirelessly. RailMaster HandHeld currently supports Android devices running Google Android 4.0 or later operating systems, Apple devices running the iOS 4.0 or later operating system. The software will also run on older PDAs such as the Palm TX and LifeDrive (also T3 and T5 with Palm WiFi SD card) and many Windows CE and Windows Mobile devices up to version 6.5. Please note: RailMaster Hand-held does not run on Windows Mobile 7 or 8 devices.

The following table shows the platforms RailMaster have been tested on:

<table>
<thead>
<tr>
<th>Device</th>
<th>Loco Control</th>
<th>Points Control</th>
<th>Signals Control</th>
<th>Track Plan Zooming</th>
<th>Landscape Track Plan</th>
<th>Controller &amp; plan together</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palm TX OS Garnet 5.2</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Palm LifeDrive OS Garnet 5.2</td>
<td>Yes</td>
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<td>No</td>
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<td>Dell Axim X50/X51 Windows Mobile 5</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>HP iPAQ HX2440 Windows CE</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
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</tr>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The above devices have been fully tested to work with RailMaster HandHeld. RailMaster should also run on all Android phones and tablets using Android 4.0 or later and all Windows Mobile devices up to 6.5 with WiFi. If you experience problems READ THE TROUBLESHOOTING SECTION FIRST.
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RailMaster HandHeld Overview

This guide assumes that you are already familiar with the RailMaster Model Railway control system for computers and that you have installed and configured RailMaster correctly on your computer. It is also assumed that you know your way around a computer and also your hand-held device of choice (connecting to your wireless network, changing IP addresses and so on).

RailMaster for Windows computers includes a built-in Server which allows the wireless connection of up to eight additional devices, so that you can control your layout through one DCC controller connected to your computer. The Server supports the networked connection of additional computers (wired or wireless) as well as a wide variety of wireless hand-held phones, PDAs and tablets. You can use any combination of devices up to a maximum of eight, providing up to nine control terminals, including the RailMaster computer itself. Each device is licensed separately.

For details on setting up a RailMaster network see the RailMaster PDF guide, installed with RailMaster. RailMaster HandHeld devices are connected to a computer running RailMaster using a WiFi connection. You must already own and have set up RailMaster on your computer to use a hand-held device and the RailMaster computer software must be running when you want to use a hand-held device.

The RailMaster computer Server (Master Terminal) must be assigned a static IP address, although all other connected devices can be set to obtain an IP address automatically, from your wireless router (using a DHCP server).
Every time you start RailMaster HandHeld on your device it will log in to the RailMaster Server, download your list of locos and track plan and be ready for use.

**A Note on Evaluation Versions**
You can use any combination of Evaluation versions of both the RailMaster computer software and hand-held device software. There are some things to note:-

The RailMaster computer software Evaluation version allows up to two locos and four points and signals to be operated. It also ceases working 90 days following installation, with a daily countdown timer shown upon start.

The RailMaster HandHeld software Evaluation versions will allow the control of two locos and four points and signals. The software will also cease working 90 days after installation of the RailMaster computer software, whether activated or not.

The evaluation versions of both RailMaster and RailMaster HandHeld gives ample opportunity to try out the software before you buy and to ensure it will work with your particular hand-held device. You should only activate the RailMaster HandHeld app on an activated RailMaster computer program otherwise when the evaluation period ends, the app will become unusable. You can, of course, activate the RailMaster computer software and the app will become usable again.

**Important note:** Android and Apple iOS devices and their operating systems are evolving at a rapid rate, so it is important that you allow RailMaster HandHeld to update automatically (it will check for updates every time it starts, if there is an Internet connection). RailMaster HandHeld on Android and Apple uses the latest software technology to provide reliable and secure communications and graphics rendering and these technologies have not been finalised by Google (Android) and Apple (iOS) at this time.

**It is also very important that your WiFi connection is strong, reliable and consistent as this can otherwise cause many problems to occur. Most problems in communications are caused by a poor networking setup.**
Installing on Palm Devices

There are many millions of old Palm TX and LifeDrive devices in the marketplace (and Palm T3 and T5 devices with optional Palm WiFi SD cards) and, although, older machines than those running Android and Apple iOS, they can usually be picked up at very low cost from the likes of Ebay and Amazon. For many, these older, cheaper devices are the ideal low-cost entry into the world of Wireless RailMaster layout control.

Both the Palm TX and Palm LifeDrive models feature a high resolution 320x480 pixel touch screen and have WiFi capabilities up to 54Mbps, which is more than enough to run RailMaster HandHeld smoothly.

Both Palm devices allow you to change the orientation of the track plan from portrait to landscape view, which can be useful, especially for end-to-end layouts.

This guide assumes you know how to set up a WiFi connection on your Palm through Prefs => WiFi. You should consult your Palm manual if unsure how to do so although this guide will explain the basics.

You must also ensure that the Palm Desktop software is installed on your computer so that you can transfer the RailMaster HandHeld software from your computer to your Palm Device. If you need to download the latest version of the Palm Desktop Software you can do so from www.powerpos.com/rail-master/PalmDesktopWin62.exe and install that on your computer (see later).

The RailMaster Hand-held software is only available through download from www.powerpos.com/rail-master/PalmSetup.zip.
You should type this line into the address bar of your Internet browser and save the file to a temporary location on your hard drive, e.g. C:\Temp.

When the file has been downloaded you need to unzip it as it contains several files needed for installation onto your device. Windows Vista, 7 and 8 include a file unzipping facility, however if you are using an older version of Windows and do not have file unzipping software you can download a free unzipping utility from www.powerpos.com/rail-master/7zipfree_8675.exe. After downloading, install the program (please note you will need an Internet connection to make this install). After downloading you can then navigate to the folder where you downloaded the RailMaster Palm zip file and unzip its contents.

**Step 1: Installing the Palm Desktop Software**

You may already have this software installed on your computer, however, if you have bought a Palm PDA for use specifically with RailMaster then this guide shows you how to install the Palm 6.2 desktop software. It is this software that will allow you to then install the RailMaster software onto your Palm device.

After double-clicking on the PalmDesktopWin62.exe program you downloaded (see earlier) the following window will appear.

Select the language of your choice and press the OK button. You will then see the following window as the Palm Desktop software is installed.
Click on the next button to continue installation and you will be presented with a window asking you, which options you wish to install. You should select both the Palm OS Desktop and Hotsync Manager. These two options should be selected by default, however if they are not, simply pull down the list to the left of each option and ensure they are installed onto your computer.
You will then need to specify a Palm device which you want to associate with the computer onto which you are installing the Desktop software. If you have an existing Palm device choose that from the list or press the “New username” button.

If you add a new user name just type the name into the box, for example RailMaster.
When you have entered a suitable user name, press the Next button and you will be invited to HotSync your Palm device. You can skip this operation at this time as there is nothing yet to HotSync.

Pressing “Skip” will complete the installation. You will notice a new icon in your computer’s taskbar (bottom-right), which is the Palm HotSync Manager. This must be running at all times to enable your Palm device to HotSync with your computer. During HotSync, you can install and update the RailMaster HandHeld software onto your Palm device. You should right-click on the HotSync Manager icon in the Taskbar and select “Settings” then ensure that both USB and Network connections are ticked.
Step 2: Setting up the WiFi Connection on your Palm Device

Before you can use your Palm device you will need to connect it to your home WiFi network. If you have already done this you can skip this step.

Switch on your Palm device and navigate to the Home screen. You will see an icon “Prefs” on the Home screen. If the icon is not visible you can pull down the list at the top-right corner of the screen and select “All”. This will display all icons. You may need to scroll down to find the “Prefs” icon.

If you see the simple programs list press the Applications icon and this will take you to the Home screen.

When you press the “Prefs” icon you will see the following list of functions that you can set up on your Device.

If you have not already done so, you should set the Date and Time, which is a straightforward operation.

You should then press on the “Wi-Fi” option, which will take you to the WiFi Preferences screen, on which you can start setting the WiFi settings to enable connection to your home WiFi network.
On this screen you will see two options “Conserve Power” and “Timeout”. Note: on some Palm OS versions, you may not see one or both of these options. If you do, you should not tick “Conserve Power” as this will shut down the WiFi connection when you leave the device for a few minutes and will become annoying as RailMaster HandHeld will try to repeatedly log in to your RailMaster computer Server. Also, set the Timeout to the highest value possible. Both these things reduce battery life, however if you keep your Palm charging on a cradle by your layout when not in use, you will find that the battery never runs out. Press the “Setup” button next.

On this screen, you will see a list of WiFi networks the device can see. Your home network should be listed. Select the network name and press the “Edit” button. A pop-up menu will appear, from which you should select “Configure”.

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At this point you are invited to set up the security on your network. You should select the security type from the pull-down list, which matches your home WiFi network, e.g. WEP, WPA and so on. If your network is secured with a network key then you must also enter this. It is the same key that is used by your other connected WiFi devices. When you have done this next press the “Details” button.

You will have the choice of the type of network you are connecting to. This should always be “Access Point (infrastructure)” as you are using a wireless router or wireless access point.

The final step is to set the IP address for the device manually. To do this press “Advanced”.
On this final screen you can set a manual IP address, Subnet Mask and DNS which should match your network’s settings.

It is always best to use static IP addressing as you know what address each device is using at all times. It is vital that your computer with RailMaster has a static (fixed) IP address to work with your RailMaster HandHeld device.

You can set a static IP address in your computer’s networking configuration. You should set an IP address here, which is unique, but which matches your home network prefix, e.g. 192.168.0.x where x is your chosen unique address from 1 to 254.

Usually, you will set your RailMaster computer to 192.168.0.1 and your router may be set to 192.168.0.254. Some routers are set to the 192.168.1 range and so your computer and Palm device must adhere to this range too.

If you do not know your home network’s subnet mask, router and DNS settings you can open a command prompt on your computer and type in IPCONFIG and press return. Access the Command prompt by clicking on the Start button then Programs then Accessories then Command Prompt.

This will open a window similar to the following and after entering IPCONFIG you will see your computer’s network configuration.
You will see that this will give you the IP address of your computer, along with the Subnet mask and router address (Default Gateway). Although the DNS is not listed, you can use the Router address for the Preferred DNS address on the Palm.

When you have finished entering all of the addresses, press OK and the Palm Device will attempt to connect to your WiFi network.

You can confirm the connection to your network by ‘PINGing’ the Palm device from your computer. To do this, open a Command Prompt and type in Ping <Palm IP address>, e.g. ping 192.168.0.230.

You should see four replies after a few seconds. If you receive an error such as “destination host unreachable” or similar, then you should check your
network settings and start again. In some instances, firewall or Internet/network security software running on your computer will prevent pinging. You should add your Palm device IP address as an exception to your computer’s firewall and security software.

Also be sure that you have entered the network key correctly and that you have chosen the correct format (40-bit hex, 40-bit ASCII, 40-bit passphrase and so on). If you are using WEP, for example, with a 10-digit key, you should choose “40-bit hex” and enter the 1st key and not the passphrase you may have used to set the keys on your router.

Your Palm device also allows access to the Internet and you can further test the network connectivity by going into the Palm web browser and visiting a web site such as www.google.com.

Note: You should not continue to Step 3 until your WiFi network connection is working on the Palm, has a strong signal and is reliable.

**Step 3: Installing the RailMaster Software**

Now that you have installed the Palm Desktop Software and set up networking on the device you are ready to install the RailMaster software and connect to your RailMaster Server running on your computer.

You first need to download the latest RailMaster Palm setup zip file and save it to a temporary folder on your computer’s hard drive (see earlier). Unlike Apple and Android devices, the setup is carried out from the computer and not the Palm device itself. You should double click the icon on your desktop called “Install Tool”. This will allow you to add the RailMaster HandHeld files you wish to transfer to your Palm device. You can also install from within the Palm Desktop Software.
On this window you should select your Palm device from the pull-down list at the top, unless it is already displayed then click on the “Add” button. This will display a Windows open dialog screen where you should navigate to the folder in which you downloaded the RailMaster hand-held zip file and extracted its contents.

You need to select all of the above files for installation. You can do this by clicking the first file on the list and then shift-clicking the bottom file. This will select all files. Alternatively, press Ctrl-A to select all. When all files have been selected, press the “Open” button.
This screen will list all of the files you selected. You can press “Done” to confirm your selections which will add the files to the HotSync queue. All that remains to do is to HotSync your Palm device to finalise the transfer of the files. To do this, ensure your Palm device is connected through a palm HotSync cable or cradle to your computer through a USB port and press the HotSync button on the cradle or cable.

When HotSyncing begins you should see a window similar to the following pop up on your computer’s screen. You may also hear a three tone beep on both the computer and Palm device.

HotSyncing, especially the first time, may take a minute or two. HotSyncing using the USB connection is the quickest and simplest way to transfer data to your Palm device. You can also use your wireless network to HotSync.
You can skip the next part if you are happy to hotSync only using your USB connection and cable/cradle.

Press the HotSync icon from your Palm home screen and select Network.

The network HotSync screen may show your computer. If it does not then press the “Other” button and enter the IP address of the computer on which you installed the Palm Desktop Software (your RailMaster computer).
After entering the IP address of your computer press the Next button. A screen will appear confirming your choice of computer. You should now press “Done” and you will be returned to the HotSync screen where your computer’s IP address will now be shown. All that remains is to press the HotSync button on the Palm screen and your device will HotSync wirelessly with your computer.

RailMaster Palm will be updated occasionally and you can simply repeat the process of downloading the ZIP file, extracting its contents, using the Install Tool to add the files to the HotSync list and HotSync with the device.
Step 4: Configuring RailMaster hand-held on the Device

The first time you use RailMaster Palm you will need to tell it where the RailMaster Server computer is. This is a straightforward operation. From the Palm Home screen you will see the RailMaster icon.

Press the RailMaster icon and the start-up screen will appear, on which the program will attempt to find and log in to a computer running the RailMaster Server.

You should ensure that RailMaster is running on your computer, otherwise a connection cannot be made.

It may take a few minutes for RailMaster on your Palm device to go through all eight ports as it tries to find your RailMaster computer.

You will need to wait for this process to finish. When it does an error message will be displayed saying that no RailMaster Server could be found.

When you acknowledge the message you will be taken to the RailMaster main loco control screen. From here, press the settings button at the top right corner of the screen.

This will take you into the settings screen, on which you can specify the connection parameters.
Within the Settings screen you must set the IP address of your RailMaster computer and also what port RailMaster uses to connect. By default RailMaster on your computer is set to communicate through port 30. This can be changed in the RailMaster.ini file (See the separate RailMaster PDF guide for more information on how to do this). The starting port number must be the same on the RailMaster computer and RailMaster Palm HandHeld otherwise a connection cannot be made.

Within the Settings screen you can also set the Update interval. This is the interval at which RailMaster Palm will check for current points and signals settings with the RailMaster computer Server. If you experience problems with your home WiFi network, or there is interference, you should change this to a higher setting, say 5 or 10 seconds.

When you have finished changing the settings, press the “OK” button and you will be taken back to the Loco Control screen. You will need to restart RailMaster Palm for the changes to take effect. Press the Home button on your device and then press on the RailMaster icon again. This time, it should connect to your RailMaster computer Server almost immediately.

For details of operating RailMaster see later in this guide. Functionality between the Palm, Windows CE/Mobile, Apple and Android versions of the software is very similar.
Note: RailMaster HandHeld is designed to run on Palm devices with a 320x480 screen resolution, touch screen and WiFi. This includes the Palm TX and LifeDrive models. No other Palm devices, including later devices running WebOS will work with RailMaster HandHeld. It is likely that the Palm Tungsten T3 and T5 devices, with an appropriate Palm P10952U SD WiFi card installed, will run RailMaster HandHeld for Palm although this has not been tested (with the Palm WiFi SD card, otherwise RailMaster HandHeld does run on the device).

For the best operation experience, always used the Palm supplied stylus when operating points, signals, turntables, tippers and conveyors on the track plan.
Installing on Windows CE/Mobile

There are many millions of old Windows CE and Windows Mobile devices in the marketplace (also known as Pocket Computer) and, although older machines than Android and Apple, they can usually be picked up at very low cost from the likes of Ebay and Amazon. For many, these older, cheaper devices are the ideal entry into the world of Wireless RailMaster layout control.

RailMaster CE should work on any Windows CE or Windows Mobile device up to version 6.5 (does not work on Windows Mobile 7) as long as the device supports a screen resolution of at least 240x320 or preferably 480x640 (better visual experience) and has support for WiFi. You should download RailMaster CE/Mobile and install it on your device to ensure it works in evaluation mode before purchasing.

As with other hand-held devices, RailMaster CE allows you to see your track plan and to operate points and signals by touching them with the stylus (recommended), or your finger.

Note: unlike the Palm, Apple and Android versions of the RailMaster hand-held software, you are not able to change the screen orientation from portrait to landscape on Windows CE and Mobile devices. It is therefore best to use your device’s stylus for better accuracy when selecting points and signals.
This guide assumes you know how to set up a WiFi connection on your Windows CE/Mobile device. You should consult your Windows CE/Mobile manual if unsure how to do so although this guide will explain the basics.

You should also ensure that the Windows ActiveSync or Windows Mobile Device Centre (dependent on your Windows version) is installed on your computer so that you can transfer the RailMaster Hand-held software from your computer to your Windows CE/Mobile Device. If you need to download the latest version of the Windows ActiveSync software for Windows XP you can download it from [www.powerpos.com/rail-master/WindowsActiveSync.msi](http://www.powerpos.com/rail-master/WindowsActiveSync.msi) and install that on your computer (see later). If you are using Windows Vista or Windows 7 you need to use Windows Mobile Device Centre instead. This can be downloaded from [www.powerpos.com/rail-master/WindowsMobileDeviceCentre.exe](http://www.powerpos.com/rail-master/WindowsMobileDeviceCentre.exe).

**Step 1: Installing Windows Synchronising Software**

Before you can install RailMaster CE into your Windows CE/Mobile device you will need to ensure that the Windows Mobile synchronisation software is installed on your computer. There are two different versions, depending on which operating system you have. If you already have either Windows ActiveSync (For XP) or Windows Mobile Centre (for Vista or 7) then you can skip this step.

**For Windows XP Users**

If you are using Windows XP then you should download the Windows ActiveSync software as detailed above. This is a MSI package, so you must open Windows Explorer and navigate to the folder in which you saved the downloaded file and then double-click on it to run it.
You cannot run a MSI installation package using Start => Run.

When the installation has begun press “Next” and you will be asked to accept the terms of Microsoft’s licensing agreement.

You should do this and click “Next”. In the next few screens you will be asked to confirm your user name and set the installation folder (do not change the default settings unless absolutely necessary).

When the installation is complete you will notice a new icon in the taskbar although it will be greyed-out when no Windows CE/Mobile device is connected. You can now connect your device to your computer’s USB port and the ActiveSync process will begin automatically. Your computer will be ready for you to install RailMaster onto your device. You can now go to Step 2.

**For Windows Vista and Windows 7 Users**

If you are using Windows Vista or Windows 7 you will need to install the Windows Mobile Device Centre if you do not already have it. Details of the download can be found earlier in this chapter.

Double-click on the WindowsMobileCentre.exe file and the installation will start. This normally takes a few minutes.
When completed the Windows Mobile Centre splash screen will appear.

At this point you should connect your Windows CE/Mobile device to a free USB port on your computer. When your device is recognised you will be asked to accept the Microsoft license terms, which you should do in order to proceed with the installation.

When the installation is complete you will see the Windows Mobile Centre main screen.
You do not need to choose “Set up your device”. The status message at the bottom left of the window should say “Connected”. You are now ready to install the RailMaster CE software.

**Step 2: Configuring the WiFi Connection on your Device**

Once the Windows desktop software has been installed you need to ensure you have a WiFi connection. The procedure for setting up a wireless connection to your home network may be slightly different on different versions of Windows CE and Windows Mobile.

There is a WiFi indicator at the bottom right corner of the screen. Pressing this icon will bring up the Network summary screen. A broken signal image indicates no connection to a WiFi network.

If the WiFi connection has not been used before then it may be turned off. Press the “Turn On” button to activate the radio on the device. You should also disable power save mode otherwise this will cause problems when using RailMaster if you do not use the device for a few minutes.
When you have turned on the WiFi connection (Enable) you should then press the Site tab. This will allow you to select your WiFi network and enter the network key, if one has been set up on your wireless router or access point.

When you have finished, press the small OK button at the top right of the screen.
From the home screen press the Start menu and then select “Settings” from the menu. Within the Settings screen press the “Connections” tab to view all network connections.

From within the Connections screen press the “Network Cards” icon and then the Network Adapters tab. This will list all network cards currently installed on the device.
From the list of network cards you should select the one that is unique to your device. For example, a Dell Windows Mobile PDA will have a Dell network card, whereas a Hewlett Packard device should have a Hewlett Packard network card listed. This will be the card the device uses to create a WiFi connection and therefore the one you need to configure.

You can specify the IP address of the device and the subnet mask along with the Default gateway (router address). Pressing the Name Servers tab will further allow to you specify the DNS, which uses the same IP address as the Default Gateway and which your home network uses for Internet access.

If you do not know what your network IP address range is, or the subnet mask and gateway, you can open a command prompt on your computer and type IPCONFIG. This will provide the information you need about your network.
Just copy the subnet mask and default gateway into your Device and use the default gateway for the DNS. If your computer’s IP address is, for example, 192.168.0.1 then you can set your Device IP address to 192.168.0.2 (the last block can range from 2 to 254) but must be unique on your network.

When you have finished setting up the network card press OK. After a few seconds you should now see a connection (green) network icon at the bottom right corner of the screen. You can further test the connection to the device by type ping 192.168.0.n on your computer (where n is the unique address you chose for the Device). This should give four replies.

If you do not see four replies or an error is shown then you should check the WiFi parameters again. If all numbers have been entered correctly then the problem may lie with the network key.

**Step 3: Installing RailMaster CE on your Hand-held Device**

With your mobile device connected to your computer, having successfully synchronised with your computer you can now install the RailMaster CE software.

You should download the RailMaster CE/Mobile setup program from
www.powerpos.com/rail-master/RMCE_Setup.exe and save it to a temporary folder on your hard drive, e.g. C:\Temp. When it is downloaded, simply double-click on the file and the installation process will begin. The RailMaster CE setup program runs on your computer and uses ActiveSync or the Mobile Device Centre to communicate with your hand-held device to install the needed files onto the device itself. Click on Next and the installation will begin.

![License Agreement](image)

You will need to accept the license terms, after which the installation program will begin transferring the Railmaster CE program to your device. The process will take a few seconds.

![Installing Applications](image)

During the installation/transfer process you will see a dialog screen showing the current progress. When this is complete a message stating that you should refer to your mobile device will appear. At this point you will need to acknowledge the fact that you want to install RailMaster on your mobile device. If you are asked which location to install into (Device or SD card) choose “Device”.
You may need to press a small OK button on your device’s screen (depending on your Windows Mobile version) and RailMaster may or may not start automatically, again depending on the version of Windows Mobile you have.

**Step 4: Configuring RailMaster on your Windows CE/Mobile Device**

Once RailMaster CE is installed on your device you will need to configure it. To do this start RailMaster by pressing on the Start menu and Selecting RailMaster. A screen similar to the following will appear.

RailMaster will attempt to connect to and login to the RailMaster computer Server although will not be able to as the IP address needs to be changed.

You can press the Cancel button to hasten the connection failure process, after which an error message will appear stating that no connection could be made with the RailMaster Server. You will then see the Loco Control screen.
Press the Settings button at the top right corner of the screen and the Settings screen will appear.

Within the Settings screen you can specify the IP address of the computer running RailMaster. You can also set the port number. The default port is 30 although this can be changed within the Railmaster.ini file (see RailMaster guide for details of how to do this).

The Update interval specifies the interval between checking with the RailMaster Server for points and signals changes. If you experience communications difficulties or interference you should set this to a higher number, e.g. 5 or 10 seconds.

When you have finished making changes, press the large OK button at the bottom of the screen to save changes and exit. Do not press the small OK button at the top right of the screen as this will abandon changes and exit RailMaster.
You can then exit RailMaster, restart and the program should connect to and log into the RailMaster Server.

For the best operator experience always use the supplied stylus (for PDAs with stylus operation) or use a capacitive pen with modern devices with capacitive screens when operating elements on the track plan. A capacitive pen can be purchased at very low cost and is more accurate than using fingers.

Due to the major changes made by Microsoft from Windows Mobile 6.5 onwards the RailMaster HandHeld app does not run on Windows Mobile 7 and 8 devices, including the Surface RT. It does, however, run on the Surface Pro, which is a Windows 8 tablet.
Installing on Apple & Android Devices

For the most flexibility RailMaster can use modern tablet computers such as Apple’s iPad and Google Android tablets to provide a richer experience.

The advantage with using larger tablets is that you can see one or two loco controllers on the screen at the same time as the track plan.

These new devices are also faster and therefore smoother in operation.

They also have more sensitive touch screens, making loco control, points and signals changes more responsive.

RailMaster dynamically adjusts itself to a wide variety of screen formats and resolutions. On larger tablets RailMaster will show up to two loco controllers as well as your track plan. This applies to all Apple 9.7” iPads and 10.1” Android tablets.

The new Google Nexus 7 and other 7” Android tablets, being smaller, accommodate one loco controller and the track plan. This is so that loco controller buttons are of the optimum size for comfortable and reliable operation.
RailMaster also works on a range of smaller Apple and Android devices, such as the iPod Touch and iPhones and also Android phones. In this case, you will need to switch between a single loco controller screen and the track plan in the same way as on the Palm and Windows CE/Mobile versions of RailMaster hand-held.

You can also turn a phone sideways when displaying the loco controller to show the landscape plan view.

Please note that when RailMaster is running on an Apple or Android Telephone, when a call is received this will suspend operation of the software and may cause problems when you are running locos.

**Installing RailMaster on Apple and Android Devices**

Installation on modern phones and tablets is the easiest because nothing needs to be done on a computer to synchronise a connection with your mobile device. Instead you need an Internet connection on your device and you can type in the address of where to download RailMaster and it will be installed automatically. You do not need to use either the Apple AppStore or Google Play store.

**Note for Apple users:** Please ensure that you have upgraded the operating system of your device to at least iOS version 4.0. This is straightforward to do within the device itself. RailMaster uses sophisticated communications facilities only found in iOS 4.0 or later.

**Note for Android users:** Please ensure that you have upgraded your device to Android 4.0 or later. RailMaster uses sophisticated communications technologies only available in Android 4.0 and later. Some older Android devices (especially non-branded ones) may not allow you to update the device. You must also ensure that you download and install the Google Chrome browser from the Google Play store and keep it updated. This is free of charge.
We shall use the Apple iPad as the example throughout this section. All you need to do is open your browser (Safari on Apple and Chrome on Android) and enter the following address (www.my-apps.eu) in the browser.

The RailMaster hand-held software will be downloaded onto your device and may take a minute or two, depending on the speed of your Internet connection.

You need to ensure that RailMaster is running on your computer. When the RailMaster start-up screen starts on your device it will attempt to connect to the RailMaster Server on the default IP address of 192.168.0.1. If your RailMaster computer is already set to this address and RailMaster is running then RailMaster HandHeld will download your locos and track plan. If you need to change the IP address on RailMaster hand-held you can either wait for the start-up process to finish or press the Settings button to take you directly to the Settings screen.
Within the Settings screen you can specify the IP address of your RailMaster server (computer). You can also specify the port number being used. The default port is 30 although this can be changed within the Railmaster.ini file on your computer. See the separate RailMaster guide for details of editing the Railmaster.ini file.

When you have set the IP address and port number you can press the BACK button and RailMaster HandHeld should connect to and log in to the RailMaster Server running on your computer.

If RailMaster HandHeld does not connect to your computer you should ensure that the IP address and port are not being blocked by your computer’s Internet security software.

**Placing the RailMaster icon on your home screen – Apple devices**

When RailMaster has loaded you can add an icon to your home screen easily by pressing the bookmarks button at the top of your Safari browser. When running RailMaster HandHeld for the first time, you will be invited to do this automatically.
All you need to do then is press on “Add to Home Screen”. When you exit the browser you will now see the RailMaster icon on your home screen and you can run the program simply by touching the icon. Running RailMaster from the homepage icon also removes the bottom bar on Apple Safari.

**Placing the RailMaster icon on your home screen – Android devices**

Placing an icon on your home screen is straightforward on the Chrome browser on Android devices.

All you need to do, after RailMaster has loaded, is to press the bookmarks (star) icon at the top-right corner of the Chrome browser.

When you press this button a screen similar to the following will appear.

```
Add Bookmark

Name      Hornby RailMaster
Address   http://www.nsbapp.com/railmaster
In         Desktop Bookmarks

Cancel    |    Save
```

Just select “Desktop Bookmarks” from the pull-down list and press “Save”. You will then be able to run RailMaster by using the icon on your home screen.

For the best operator experience use a capacitive stylus pen when operating points, signals, turntables, conveyors and tippers on the track plan. A capacitive pen can be purchased at very low cost and is far more accurate than using your fingers.
Screen layout issues

On some devices (particularly Android), due to the plethora of screen resolutions and sizes your device may not show the loco controller and/or track plan optimally. To ensure your device does render the screens correctly, please bear in mind the following guidelines.

1. When using medium-sized tablets (e.g. 7” and 8”) start the RailMaster app in landscape mode.

2. When using telephones, start the RailMaster app in portrait mode.

3. If the screen does not display correctly (assuming you have followed 1 or 2 above) turn the screen sideways, then back to its original orientation.

If your device still does not render the RailMaster app screens correctly please email support@rail-master.com with details of the make and model of your device and its screen resolution.
In this section we shall look at how you can control locos, points and signals on your layout using RailMaster handheld.

The instructions here are common to all versions of RailMaster on all mobile devices, although buttons and other graphical elements may look slightly different on different devices.

When it comes to loco control RailMaster HandHeld uses the same layout as the loco controllers on the computer software.

You can control loco speed just by touching (not sliding) along the green graduated green throttle control section. When first downloaded, RailMaster HandHeld downloads your current stable of locos (from the group selected on your RailMaster computer) and also your default track plan.

On seven inch Android tablets you can view one loco controller and the layout plan at the same time due to the size of the screen.

The loco controller works in the same way as that on smaller devices such as the iPod, iPhone and Android phones. You can use up to seven loco functions, whose names are shown on the buttons. You can also shunt, cruise and stop locos with a single button-push in the same way as on the RailMaster computer software. Pressing the direction button will alternate between REVerse and forward (FWD).
On larger tablet devices such as the iPad and 10 inch Android tablets, you have a larger control space. For this reason, you can see two loco controllers at the same time and also a larger area of the track plan.

On each loco controller you can see the loco DCC ID and also the current scale speed of the loco.

You can select any of your locos by touching the pull-down list. Selecting any loco from the list will show its current speed and direction.

On all devices any loco settings made on the RailMaster computer are shown on the locos currently viewed on the device. The polling time can be set within settings for refreshing points, signals and locos.

**Controlling Point and Signals**

On all versions of RailMaster hand-held, point and signals are controlled in the same way and in the same way as RailMaster for the computer.

Simply press the red or green point indicator and the point will change almost immediately. The point setting will also update on the RailMaster computer screen.

Note: Modern Apple and Android devices use capacitive touch screens which are very sensitive and accurate. RailMaster HandHeld has been optimised on these devices for finger touch operation. On Palm and older Windows CE/Mobile device the screens are resistive touch and less sensitive. For this reason it is best to use the stylus supplied with these devices.

Similarly to RailMaster for computer, all you need to do to change a signal is simply press it. This will also update the signal on the RailMaster computer screen.

As with points, any changes made on the RailMaster computer screen will show on the hand-held device within a second or two, depending on the Update Interval.
On Apple and Android devices (and some Blackberry devices) you can scroll the track plan simply by dragging it with your finger. On these devices you can also zoom in and out by pinching with two fingers. To zoom in, pinch outward with two fingers and to zoom out pinch inwards.

On Palm and Windows CE/Mobile devices you need to use the five way button to scroll the track plan left, right, up and down. On Windows CE/Mobile devices you can drag too although due to decreased processing power this may be jittery depending on your device.

On small devices such as Palm, Windows CE/Mobile, iPod, iPhone and Android phones, because the screen is small you can view either the loco controller or track plan, but not both simultaneously.

To access the track plan on Palm devices press the plan button. When you want to return to the loco controller, press the red Exit button on the track plan.

On Apple iPod, iPhone and Android phones, press the PLAN button to access the track plan. To return to the loco controller press the BACK button. You can also turn the device sideways.

Apple and Android devices incorporate automatic orientation. By turning the device portrait or landscape the track plan will automatically adjust itself to fit the screen.

Windows Mobile/CE devices do not support track plan orientation changes however the Palm devices do. To change the plan orientation on Palm devices press the orientation change icon at the bottom of the screen. You can alternate between portrait and landscape mode by repeatedly pressing the orientation icon.
Note: on Apple and Android devices, if you are using an evaluation version, points and signals that you can control are highlighted with a small yellow dot to their top-right corner. When the software is activated the yellow dots will disappear and you will be able to control all points and signals. You will also have access to your full roster of locomotives. The order of the four points and signals operable in the evaluation version is based on the order in which you added them to your track plan at design time.
Conveyors, Tippers and Turntables

You can operate turntables, tippers and conveyors on Apple and Android devices and also on Palm and Windows CE/Mobile devices.

To move a turntable which uses a loco decoder anticlockwise, simply press the left part of the turntable. You will see a clockwise or anticlockwise indicator appear on-screen for a short time to confirm your press (on Android and Apple devices only).

Operation of tippers and conveyors is identical to that in the RailMaster computer version. Simply press on the conveyor and it will start. Pressing on it again will stop it. For the tipper, just press it once and it will perform the entire empty wagon cycle and return to its starting position.

Note: if you need to change the timings for more accurate position of the turntable and the tipper cycles please refer to the main RailMaster guide for how to edit the RailMaster.ini file.
Setting Plan Area to Send to Devices

By default, RailMaster running on the computer will send your entire track plan to any device which connects to it. On devices with smaller screens, using a large plan may be cumbersome.

You can instruct RailMaster to send only part of a plan, specified by the left, top, right and bottom grid square coordinates. This, in effect, sends a cropped version of the plan, containing points and signals to be operated from a RailMaster HandHeld device, thus reducing the amount of scrolling and zooming needed.

Using as an example the supplied Hornby Track Plan F design, we may decide that a RailMaster HandHeld user only needs to operate points and signals on the lower part of the plan bounded by the left grid column 5, top grid row 13, right grid column 13 and bottom grid row 16 highlighted within the red dashed box.
To send just that part of the plan you will need to edit the RailMaster.ini file, which can be found in the C:\Program Files\RailMaster folder (or C:\Program Files (x86)\RailMaster on 64-bit systems). Full details of the RailMaster.ini file are contained in the PDF guide accompanying RailMaster.

All you need to do is edit the file using Windows NotePad and edit or add the line “Handheld plan area=5,13,13,16”. This will result in only the following portion of the plan being sent to all RailMaster HandHelds which connect.

The default setting, to send the entire plan is:-

“Handheld plan area=1,1,135,135”.

Note: if you are unable to save the RailMaster.ini file due to access rights, ensure you open Windows NotePad by right-clicking on it and choosing “Run as administrator” from the pop-up menu.
Activating and Registering your Device

You can use the RailMaster hand-held software for a period of 90 days on an evaluation basis. This allows you to control up to two locomotives (the first two on your list) and up to four points and signals. Every time you start your hand-held device software, and it is in evaluation mode, a message will appear on the RailMaster computer screen.

Clicking on the exit button will simply continue operations on an evaluation basis. If you wish to upgrade the hand-held software to the full version, however, at any time press the upgrade button and you will be taken to the upgrade/card payment screen to upgrade one device.
When you have completed the payment form, your details will be encrypted and transmitted to our servers for payment processing.

You will then receive an email, within two working days, containing an Activation Key for one device. When you have received your Key connect your hand-held device to RailMaster and when you are presented with the evaluation notification window (above) press the \( \square \text{ Activate} \) button.

At the Activation screen enter your details and the received Activation Key. It is likely that most of the fields will already be filled in from the last time you activated RailMaster itself.

When the Activation is completed your hand-held device will be fully registered and you will not have to acknowledge the evaluation notice window again and will be able to control all of your locos, points and signals without any restriction. You can deactivate the device at any time. See main guide

Note: activating the app on an evaluation version of RailMaster will cause the app to become unusable at the expiration of the evaluation period. After activating RailMaster on the computer, the app will become usable again.
Networking Guide

This guide is not intended as a tutorial on networking as each network is unique in the way it is set up. You should already be familiar with the basic concepts of networking if you have set up a wireless router and Internet access.

There are several rules to observe when it comes to setting up a network:-

1. All IP addresses on all devices connected on the same network must be unique. Having the same IP address on two or more devices will cause problems.

2. It is best to apply static IP addresses to all connected devices on your network. This includes routers, wireless access points, computers, handheld devices, printers and even Internet-connected radios, televisions and DVD players. This makes fault-finding much easier.

Let us look at an example of a typical home network setup (although the IP addresses may be different in your case).
Router or Wireless Access Point

Most home networks will have a wireless router to connect to the Internet. Generally, wireless routers are pre-configured at the factory to enable a function called a DHCP server. This function is responsible for handing out all IP addresses used by all connecting equipment on the network. This makes life easy when it comes to setting up access to the Internet or your home network on new devices however, it has its drawbacks.

RailMaster HandHeld devices need to know where your RailMaster computer is. DHCP servers on Routers do not necessarily always hand out the same IP address to your computer every time it is switched on, which means your RailMaster HandHeld will not find it every time. To remedy this, set a static IP address on at least your RailMaster computer so that it uses the same IP address every time it is switched on. You can continue to have a DHCP function on your Router for other devices and for visitors although it is recommended that all devices in your home have static IP addresses.

RailMaster computer

It is essential that your RailMaster computer has a static IP address. This is easily set within your Windows networking configuration. Different versions of Windows have different ways of accessing the configuration, however when you click on the properties of “Internet Protocol (TCP/IP) v4” you will see a screen similar to the following.

You will notice that the IP address is obtained automatically, as is the DNS server address. To change these click on “Use the following IP address”.

You should then enter an IP address based on the current IP address range of your Router. If your Router has an IP address of, say, 192.168.0.254 then you can set your computer to an address of, say 192.168.0.2.
You will notice that the first set of three numbers is the same. This is important.

You will also need to fill in the other boxes so that you end up with something looking like this:-

In this case, the IP address 192.168.0.2 has been allocated as a static address to the computer. When you click on the Subnet Mask field, generally this is automatically completed as 255.255.255.0. Do not change this.

You then only need to fill in the Default gateway and Preferred DNS server fields. Enter the IP address of your Wireless Router in these fields, in our example, 192.168.0.254.

Clicking “OK”, then “Close” on the previous window will save the changes. Some versions of Windows may require your computer to restart.

You can easily check the addresses on your computer after restarting by opening a command prompt and typing IPCONFIG followed by ENTER. This will confirm the settings you made earlier and show something like:-
This concludes the setting up of your computer for static IP addressing.

**Railmaster HandHeld C**

Although it is not essential to set a static IP address on your mobile device, it is highly advisable so that any problems which occur are not the result of dynamic IP addressing (where your Router’s DHCP server hands out an IP address to the device). You can also PING your device to test the connection.

Static IP addressing can also be more reliable where rapid two-way communications are involved.

Setting the IP address on Android and Apple devices is similar to that of computers (you can refer to Palm and Windows CE/Mobile settings earlier in this guide).

This shows the address settings for an Apple iPad, using our example.

This screen is accessible from the WiFi option in Settings and is similar on iPhone and iPod devices.

Here, we have set the IP address to 3 (192.168.0.3) although we could use any number from 1 to 255 (excluding those already used by other devices such as the Router itself and the RailMaster computer).

On Android devices just keep your finger pressed on your network name, within settings => WiFi and you will be able to “modify network”. You may need to tick a box “Static IP” on some versions of Android.

**Note:** RailMaster and RailMaster HandHelds require a brief Internet connection to work, so if you take your complete set-up to a different location, for example an exhibition you should set up your phone as a wireless hotspot.
A Note on Port Settings

Ports are channels within an IP Address, much like television channels carried on a particular frequency. You can use thousands of different Ports on any IP address and the software at either end uses these ports for communications.

RailMaster HandHeld works in this way, using eight Ports to allow up to eight remote devices to communicate with the RailMaster Server. These eight devices can be made up of mobile hand-held devices or other computers running RailMaster, both wired and wireless.

RailMaster, in its default configuration, uses ports 30 to 37 on the computer’s IP address. Sometimes, other software already installed may use one or more of these ports and this will cause communications problems.

You can double-click any of the green remote device activity indicators to the left of the RailMaster clock to display a Communications Log window.

This window will show if there are any errors when starting up and allocating the Ports on the RailMaster computer’s IP address. If there are you should change the start port, both within the RailMaster.ini file (see RailMaster Guide) and also within the Settings screen of your mobile device. You can use any start port from 30 to 9000.
## Troubleshooting

The RailMaster computer and HandHeld is a sophisticated system, with many technical aspects including touch screen interaction and WiFi connectivity. It has been made to look easy to use however this has involved some complex development techniques and please bear in mind that the Google Android system, in particular, is evolving almost on a daily basis.

RailMaster HandHeld, depending on the platform you choose, has many ever-shifting variables, such as device operating system updates which can cause the program on the hand-held device not to work properly.

There are other factors, such as WiFi operation, which can cause problems. **PLEASE READ THIS SECTION BEFORE CONTACTING CUSTOMER CARE.**

<table>
<thead>
<tr>
<th>My Palm keeps rebooting when downloading locos or track plan.</th>
<th>This can happen if your WiFi connection is poor. It is essential that your WiFi connection is as good as possible. Try choosing a different WiFi channel or if a WiFi channel is set, change it to “Auto”. This can apply to both your Palm and your computer running RailMaster. You can also set the interval within the RailMaster.ini file “Palm interval=8” to a higher value, say, 8 or 10. This will slow down the getting of locos and track plan for slower WiFi networks. See the RailMaster Guide for details of editing the RailMaster.ini file.</th>
</tr>
</thead>
<tbody>
<tr>
<td>My Palm reboots after downloading locos and track plan.</td>
<td>This is usually caused by a combination of a poor WiFi connection and large volumes of data</td>
</tr>
</tbody>
</table>
(you have a large number of locos). Usually, the solution above should fix this, however, you can also set the Palm never to get latest loco and points/signals statues from your RailMaster computer. This is done by going into the RailMaster HandHeld settings (red button at top right) as quickly as possible immediately after your locos and track plan have loaded and setting the Interval to “0 never”. You need to do this within four seconds.

<table>
<thead>
<tr>
<th><strong>My Palm</strong> or <strong>Windows CE/Mobile</strong> device spends all it’s time trying to connect to the RailMaster Server.</th>
<th>This is happening because you have a poor WiFi connection and large number of locos and/or points and signals. You can change the “Update Interval” within your RailMaster HandHeld settings to a higher value or turn it off completely (“o never”).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Loco, Points or Signal status updates seem very slow.</strong></td>
<td>This can happen if you have a poor WiFi connection. You should check that you have a good signal to your wireless router or access point.</td>
</tr>
<tr>
<td><strong>On <strong>Android</strong> or <strong>Apple</strong> devices the track plan looks fuzzy when zoomed in.</strong></td>
<td>This happens mainly on older Apple devices with lower resolution screens or when the plan is zoomed in above 3x. Newer “Retina display” devices do not have such a pronounced effect.</td>
</tr>
<tr>
<td>It is difficult to operate points using my finger on <strong>Apple</strong> and <strong>Android</strong> devices.</td>
<td>To make point operation more accurate without having to zoom in you should use a capacitive stylus</td>
</tr>
<tr>
<td>Issue</td>
<td>Solution</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>After zooming in and out and scrolling a few times my <strong>Android</strong> or <strong>Apple</strong> device doesn’t respond to point or signal presses.</td>
<td>This can happen after a period of time when a lot of zooming and scrolling is carried out, causing the point and signal press areas to be slightly out of sync. To recalibrate the screen simply zoom right out of the plan, then you can zoom in and scroll again.</td>
</tr>
<tr>
<td>The IP Address, Port, Update Interval or sound feedback settings have changed on my <strong>Android</strong> or <strong>Apple</strong> device.</td>
<td>This can happen if you clean up files within settings or reset your Safari (Apple) or Chrome (Android) browsers or clear the browser cache. You will need to enter the settings again and press the BACK button to save.</td>
</tr>
<tr>
<td>Sometimes I cannot scroll the track plan diagonally, only left and right or up and down on my <strong>Android</strong> or <strong>Apple</strong> device.</td>
<td>This can happen and is a known issue with HTML5 running on both the Google Android and Apple iOS operating systems.</td>
</tr>
<tr>
<td>There are black bars at the top and bottom of my <strong>iPhone 5</strong> or <strong>iPod 5</strong> screen</td>
<td>This is due to the program not yet recognising the additional height of these devices. The program will run as though the device is an iPod/iPhone 4. RailMaster HandHeld will take advantage of the larger iPhone/iPod 5 screens in due course.</td>
</tr>
<tr>
<td>My hand-held device will not connect to RailMaster computer and I have checked all IP address and port settings.</td>
<td>This can happen if you have antivirus and Internet security or firewall software running on your computer. This software can block attempts from other devices to connect to</td>
</tr>
<tr>
<td>Issue</td>
<td>Possible Solution</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Your computer. To prove this simply disable your firewall(s) and Internet security software temporarily and try again. If it now works you will need to add your hand-held device as an exception to your security software. Bear in mind that the IP address on your device can change, unless you set a static address.</td>
<td>My device says that a program update is downloading but the message stays on the screen. On rare occasions this can happen. If restarting the App does not work then you should go into the settings of the web browser and clear the cache then download or restart the App again.</td>
</tr>
<tr>
<td>My device says that a program update is downloading but the message stays on the screen.</td>
<td>When turning the track plan to landscape on my Apple device the App ends. This behaviour has been observed on some Apple hardware running the latest updated iOS 6 operating system. A solution is being sought.</td>
</tr>
<tr>
<td>My Apple or Android device loses the connection with the RailMaster computer or loco, signal, point presses are not updated after a while.</td>
<td>My Apple or Android device loses the connection with the RailMaster computer or loco, signal, point presses are not updated after a while. This can be due to heavy network traffic or a slow computer and is usually remedied by increasing the update interval within RailMaster settings on the hand-held device. If nobody is using your computer when you operate from your hand-held then you can set this to “off”.</td>
</tr>
<tr>
<td>My device does not work with RailMaster unless there is an Internet connection on my router.</td>
<td>My device does not work with RailMaster unless there is an Internet connection on my router. This is usually caused by your DNS settings (on the device) pointing to one set by your Internet Service Provider. Ensure that your device has a static and unique IP address and that the default gateway (router) and</td>
</tr>
<tr>
<td><strong>Primary DNS IP addresses</strong> are set to your router address.</td>
<td><strong>My Apple</strong> device says “There is no Internet connection” or similar, when I run the app.</td>
</tr>
<tr>
<td>-------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>This happens on some later versions of the iPad and is cleared by simply allowing the app to complete its download or update from the Internet then you can run it a second time and the message should not appear.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>My Android</strong> screen does not look right. The loco controller and/or track plan are the wrong size.</th>
<th>When using medium-sized tablets (e.g. 7” and 8”) start the RailMaster app in landscape mode.</th>
</tr>
</thead>
<tbody>
<tr>
<td>When using telephones, start the RailMaster app in portrait mode.</td>
<td>If the screen does not display correctly (assuming you have followed the above) turn the screen sideways, then back to its original orientation.</td>
</tr>
<tr>
<td>We are adding new Android devices on a regular basis so please email <a href="mailto:support@rail-master.com">support@rail-master.com</a> with details of your device (make, model and screen resolution) if none of the above helps.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>When updating the RailMaster app on my <strong>Android</strong> device the version number does not increase.</th>
<th>This can happen when the Chrome browser is still caching the previous version of the app. Just go into Chrome’s settings, select Content then highlight the RailMaster app and “clear all data”. You can then enter the URL <a href="http://www.my-apps.eu">www.my-apps.eu</a></th>
</tr>
</thead>
</table>
again set the IP address of your RailMaster computer.