

WFD-30 NEC Cab Bus Wi-Fi Interface

# Known Firmware Issues, Workarounds and Fix Dates

This document is online at <http://www.wifitrax.com/manuals/WFD-30/WFD-30-known-issues.pdf>.

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**WifiTrax Model Science**



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## Known Firmware Issues

Description	F/W Version found	Work Around	F/W Version Fixed	Comments Relating to fix
<b>IOS takes 1 minute or more to show connected to module Wi-Fi access point</b>	1.0.21	Do not wait for IOS to show connected status. Wait 10 seconds then open WiThrottle app.	1.0.22	The WFD-30 did not provide a valid default gateway. Of course the WFD-30 does not provide internet access but IOS works better if a valid default gateway is provided.
<b>Some DCC speed values are missed using TCS-100, e.g. 49.</b>	1.0.21	Use wheel or quickly pass through missed value using up/down buttons.	1.0.24	WFD-30 changed to only return speed value for driving devices that did not originate the speed change. Now agrees with JMRI.
<b>Points list is lost after wire link channel selection.</b>	1.0.22	Use manual accessory address or avoid using link method.	1.0.23	Coding error
<b>F2 label shows as F-2</b>	1.0.22	Change name using web page	1.0.23	Coding error
<b>Cannot edit function label after it has been set to blank</b>	1.0.24	Full reset to re-use that function!	1.0.25	Can now enter nameless function by tapping number
<b>Possible to set accessory name and loco roster entry name to blank. Cannot then re-edit.</b>	1.0.24	Full reset to re-use that roster entry or accessory!	1.0.25	Prevented nameless roster or accessory
<b>Cannot get/post settings from some browsers.</b>	1.0.25	Use browser built into Engine Driver or WiThrottle apps.	1.0.26	Parsing of URL was invalid in some cases
<b>Some Android devices (Android 9) and TCS UWT-100 take a long time (or many attempts) to see the wftrx_WFD30_6_XXXXXXX_7 network..</b>	1.0.25	Wait a longer time with Android 9. Repeat network scan with TCS UWT-100. Or, change Wi-Fi channel to 1 using settings.	1.0.26	Wi-Fi Channel 1 is now the default instead of 6
<b>When using Loco Operator Install Wizard to install a module onto the home net, Loco Operator</b>	1.0.25	The module has actually been installed onto the home net and you can proceed under this assumption.	1.0.26	Module now responds properly under these conditions.

<b>shows a continuous sequence of fails.</b>				
<b>When an NCE Cab Address is selected on the DIP Switches that is not polled by the NCE Command Station, a memory leak occurs and the unit may become unresponsive or restart after a period of time. This is much more noticeable when Loco Operator is used.</b>	1.0.26	Ensure that the selected Cab Address on the DIP switches is one that is supported by your NCE Command Station.	1.1	
<b>Functions 13 to 28 do not work using Loco Operator App</b>	1.0.26	Use WiThrottle, Engine Driver or UWT-100 with locos that require these functions	1.1	
<b>A DCC address in the range 1 – 127 is always regarded as a short DCC address. Therefore, a loco coded with an address in this range as a long DCC address cannot be addressed.</b>	1.0.26	Code locos with DCC addresses in the range 1 - 127 range as short DCC addresses.	1.1	Adding a leading zero for an address < 128 indicates that this is a long address. DCC addresses >= 128 are automatically long. It is possible to have both a short and a long DCC address < 128 for two different locos.
<b>Fast Clock provided by the NCE Command Station is not displayed on the App or TCS Throttle. This is not a bug but a missing feature.</b>	1.0.26	No Workaround – use some other display of the fast clock. WifiTrax is currently examining how to implement this in a firmware upgrade.		
<b>WFD-30 may not work with Power Cab version earlier than 1.65B</b>	1.0.26	Obtain an upgrade chip for your Power Cab from your NCE dealer and upgrade to Power Cab Version 1.65B		Under investigation.
<b>Using Android Engine Driver, when the direction is changed tapping F0 does not cause headlight to latch on. This is</b>	1.0.26	Tap button twice as needed.		Connecting Engine driver to JMRI gives same behavior. Conclude this is may be an Engine Driver bug in version 2.24.93.

**because Engine Driver appears to send the MOAS115<>F10 command twice in this situation so headlight toggles on then off. Similar for other functions. Not seen with WiThrottle or TCS UWT-100.**

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