

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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Known Firmware Issues

Description	F/W Version found	Work Around	F/W Version Fixed	Comments Relating to fix
IOS takes 1 minute or more to show connected to module Wi-Fi access point	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.
Some DCC speed values are missed using TCS-100, e.g. 49.	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.
Points list is lost after wire link channel selection.	1.0.22	Use manual accessory address or avoid using link method.	1.0.23	Coding error
F2 label shows as F-2	1.0.22	Change name using web page	1.0.23	Coding error
Cannot edit function label after it has been set to blank	1.0.24	Full reset to re-use that function!	1.0.25	Can now enter nameless function by tapping number
Possible to set accessory name and loco roster entry name to blank. Cannot then re-edit.	1.0.24	Full reset to re-use that roster entry or accessory!	1.0.25	Prevented nameless roster or accessory
Cannot get/post settings from some browsers.	1.0.25	Use browser built into Engine Driver or WiThrottle apps.	1.0.26	Parsing of URL was invalid in some cases
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..	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
When using Loco Operator Install Wizard to install a module onto the home net, Loco Operator	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.

shows a continuous sequence of fails.				
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.	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	
Functions 13 to 28 do not work using Loco Operator App	1.0.26	Use WiThrottle, Engine Driver or UWT-100 with locos that require these functions	1.1	
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.	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.
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.	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.		
WFD-30 may not work with Power Cab version earlier than 1.65B	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.
Using Android Engine Driver, when the direction is changed tapping F0 does not cause headlight to latch on. This is	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.

<p>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.</p>				
<p>When the unit is set up in Home Net mode using the web pages, a Wi-Fi password longer than 32 characters causes the firmware to reset and the new password to be ignored. Thus it is not possible to enter a password longer than 32 characters.</p>	1.1.7	<p>Use a Wi-Fi password of 32 characters or less on your router.</p>		<p>This is a coding error in the firmware and should be fixed on the next release.</p>