

WifiTrax Module Number	Update Module	Remarks
WMR-10	FWA-21	
WMH-20	FWA-21	
WFS-46, WFS 86	FWA-21	
WFS-47, WFS-87	FWA-20	
WUFP-40, WUFP47	FWA-21	
WFG-80	FWA-21	
WFD-27	FWA-20	
WFD-30 Serial numbers less than 33100348	FWA-10	Uses 4 Grabbers
WFD-30 Serial numbers 33100348 And greater	FWA-20	Can use FWA-10, FWA-20 recommended
WFD-31	FWA-20	
WDMI-27	FWA-21	
WDMI-35, WDMI-37	FWA-10	Uses 4 Grabbers
WFD-60	FWA-20	
WNI-32	FWA-12	Uses 6 Grabbers

Table 1 WifiTrax Module Compatibility

This product is not a toy. Keep away from children. It is not suitable for use by persons under 14 years of age.
Warning: This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

WifiTrax products are made in Australia using globally sourced components and services



FWA-12 Getting Started Guide

This document is online at <http://www.wifitrax.com/appNotes/quickStart/FWA-12-Quick-Start.pdf>. Please consult the WifiTrax Workshop Help Pages for more detail at <http://www.wifitrax.com/help/wifiTraxWorkshop/help.html>

Package Contents

1 x FWA-12 Module in Static Shielding Bag, this document.

FWA-12 USB Workshop Adapter



Figure 1. FWA-12 USB Workshop Adapter

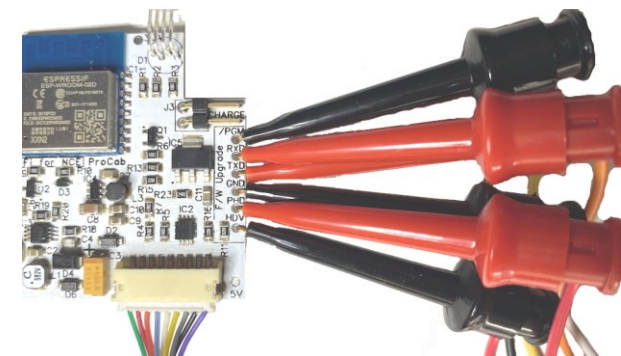


Figure 2. Grabber Test Connectors connected to WNI-32

FWA-12 Marking	Module Connection	Lead Color	Grabber Color	Function
/PGM	/PGM	White	Black	Pulled to ground by FWA-12 to force module into programming mode
RXD	RXD	Orange	Red	Receive data TO module being updated.
TXD	TXD	Yellow	Red	Transmit data FROM module being updated.
GND	GND	Black	Black	Ground
PHD	PHD	Red	Red	Connects to HDV to hold power on.
HDV	HDV	Red	Black	Power Hold voltage

Table 2 FWA-12 USB Workshop Adapter Connections

Power Hold Switch

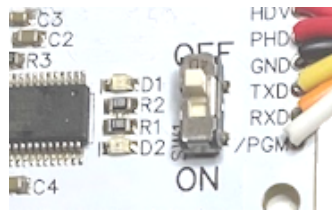


Figure 3 Power Hold Switch.

Normally power is controlled in the WNI-32 by firmware. This cannot happen when firmware is being updated, so the Power Hold switch is provided. When this switch is moved to the ON position, the WNI-32 is held in the Power On state. Only turn on like this when directed by the Wifitrax Workshop software.

USB Cable

Connect your FWA-12 to one of your computer's USB sockets using a USB cable (not supplied) with the normal Type A connector at the computer's end and a Mini-B connector at the FWA-12 end. You can buy a suitable cable at your local electronics hobby shop or many office and computer stores.

What does FWA-12 USB Workshop Interface do?

The FWA-12, used with the WifiTrax Workshop Windows Software, allows owners of WifiTrax modules such as WNI-32 to upgrade the firmware installed in those modules. Use the FWA-12 only with WifiTrax modules that have their serial data interface implemented using a set of six grabber holes as shown in Figure 2 on the module.

- Download and install the free WifiTrax Workshop Software from our website:
<http://wifitrax.com/products/product-wifitrax-workshop-app-detail.html>
- Follow the instructions displayed within the software and on the Help Pages: <http://wifitrax.com/help/wifiTraxWorkshop/help.html>.

Do not attach this adapter to the WifiTrax module you wish to update until told to by the WifiTrax Workshop program during the firmware update process. The WifiTrax Workshop software guides you through the process. Failure to follow the process carefully may result in your module being rendered inoperable.

Figure 1 shows the connections to the FWA-12. Use this diagram to help you connect the FWA-12 to the module whose firmware you wish to update. Only do this when instructed by the WifiTrax Workshop Software. Take care to connect the FWA-12 grabbers to the correct holes. Table 2 lists the connections for information.

The FWA-12 obtains its power from the USB interface. Do not apply power to any part of the FWA-12. The WifiTrax module being updated obtains its power from batteries in its normal manner.