WifiTrax Module Number	Update Module	Remarks
WMR-10	FWA-11	
WMH-20	FWA-11	
WFS-46, WFS 86	FWA-11	
WUFP-40, WUFP47	FWA-11	
WFG-80	FWA-11	
WFD-25	FWA-11	
WFD-30	FWA-10	Uses Grabbers
WDMI-27	FWA-11	
WDMI-35, WDMI-37	FWA-10	Uses Grabbers

Table 1 WifiTrax Module Compatibility

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

WifiTrax   www.wifitrax.com

FWA-11 Getting Started Guide

This document is online at http://www.wifitrax.com/appNotes/quickStart/FWA-11-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-11 Module in Static Shielding Bag, this document.
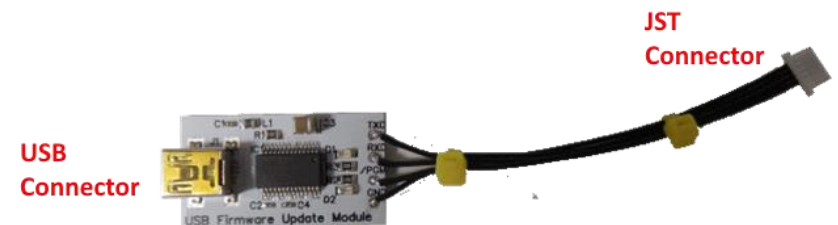
FWA-11 USB Workshop Adapter

Figure 1. FWA-11 USB Workshop Adapter

Figure 2. JST Connector on typical WifiTrax Module, pins numbered 1- 5, pin 1 has a dot.

FWA-11 Marking	JST Connector Pin Number	Module Connection	Function
GND	5	GND	Ground
/PGM	2	/PGM	Pulled to ground by FWA-11 to force module into programming mode
RXD	3	RXD	Receive data TO module being updated.
TXD	4	TXD	Transmit data FROM module being updated.
(NOT CONNECTED)	1	12V	12-18V Power on module.

Table 2 FWA-11 USB Workshop Adapter Connections

Figure 3. Connections to FWA-11

USB Cable

Connect your FWA-11 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-11 end. You can buy a suitable cable at your local electronics hobby shop or many office and computer stores.

What does FWA-11 USB Workshop Interface do?

The FWA-11, used with the WifiTrax Workshop Windows Software, allows owners of WifiTrax modules such as WDMI-25, WUFP-40 etc. to upgrade the firmware installed in those modules.

Use the FWA-11 only with WifiTrax modules that have their serial data interface implemented using a JST 5-pin connector as shown in Figure 2 on the module. Some WifiTrax modules use different connectors or grabber holes (SeeTable 1). Check the information for your module on our website.

- 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-11. Use this diagram to help you connect the FWA-11 to the module whose firmware you wish to update. Only do this when instructed by the WifiTrax Workshop Software. In fact, the JST connector can only be inserted the correct way around – be careful not to force it in the wrong way around. When removing the connector, try not to pull on the cable, instead try to use your finger nails to pull on the sides of the connector. Table 2 lists the connections for information.

The FWA-11 obtains its power from the USB interface. Do not apply power to any part of the FWA-11. The WifiTrax module being updated obtains its power in its normal manner.