
MultiConnect™ WF

Serial-to-Wi-Fi® Device Server

MTS2WFA
MTS2WFA-R

Quick Start Guide



**MultiConnect™ WF
Serial-to-Wi-Fi® Device Server
MTS2WFA and MTS2WFA-R
Quick Start Guide
82100350L Rev. A**

Copyright © 2005-2007 by Multi-Tech Systems, Inc. All rights reserved. This publication may not be reproduced, in whole or in part, without prior written permission from Multi-Tech Systems, Inc. Multi-Tech Systems, Inc. makes no representations or warranty with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. Furthermore, Multi-Tech Systems, Inc. reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of Multi-Tech Systems, Inc. to notify any person or organization of such revisions or changes.

Revision	Date	Description
A	11/19/07	Initial release.

Trademarks

Multi-Tech and the Multi-Tech logo are registered trademarks of Multi-Tech Systems, Inc.

MultiConnect is a trademark of Multi-Tech Systems, Inc. *Wi-Fi* is a registered trademark of the Wireless Ethernet Compatibility Alliance (WECA).

All other brand and product names mentioned in this publication are trademarks or registered trademarks of their respective companies.

World Headquarters

Multi-Tech Systems, Inc.
2205 Woodale Drive
Mounds View, Minnesota 55112 U.S.A.
(763) 785-3500 or (800) 328-9717
U.S. Fax (763) 785-9874
www.multitech.com

Technical Support

Country	Email	Phone
Europe, Middle East, Africa	support@multitech.co.uk	+44 118 959 7774
U.S., Canada, all others	support@multitech.com	800-972-2439 or 763-717-5863

Introduction

This guide shows you how to set up your MultiConnect™ WF Device Server. For detailed information, product specifications, and more, see the User Guide, available on the MultiConnect CD and the Multi-Tech Web site.

General Safety

This product can be used in both fixed and mobile applications.

Caution: Maintain a separation distance of at least 20 cm (8 inches) between the transmitter's antenna and the body of the user or nearby persons. This device is not designed for, nor intended to be, used in applications within 20 cm (8 inches) of the body of the user.

Radio Frequency Interference

Avoid possible radio frequency (RF) interference by carefully following the safety guidelines below.

- Switch OFF the MultiConnect™ WF when in an aircraft. It may endanger the operation of the aircraft.
- Switch OFF the MultiConnect™ WF in the vicinity of gasoline or diesel-fuel pumps or before filling a vehicle with fuel.
- Switch OFF the MultiConnect™ WF in hospitals and any other place where medical equipment may be in use.
- Respect restrictions on the use of radio equipment in fuel depots, chemical plants, or in areas of blasting operations.
- There may be a hazard associated with the operation of your MultiConnect™ WF in the vicinity of inadequately protected personal medical devices such as hearing aids and pacemakers. Consult the manufacturers of the medical device to determine if it is adequately protected.
- Operation of the MultiConnect™ WF in the vicinity of other electronic equipment may cause interference if the equipment is inadequately protected. Observe any warning signs and manufacturers' recommendations.

Handling Precautions

All devices must be handled with certain precautions to avoid damage due to the accumulation of static charge. Although input protection circuitry has been incorporated into the devices to minimize the effect of this static buildup, proper precautions should be taken to avoid exposure to electrostatic discharge during handling and operation.

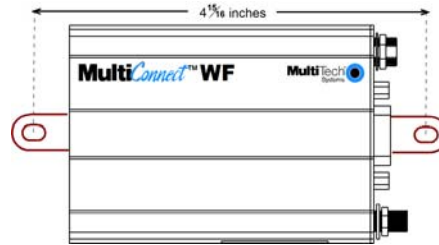
Shipping Package Contents

- One MultiConnect WF device server
- One 5 dbi reverse SMA antenna
- One mounting bracket
- One power supply (MTS2WFA only)
- A set of four self-adhesive rubber feet
- One printed Quick Start Guide
- One MultiConnect WF CD containing the User Guide, Quick Start Guide, AT Commands Reference Guide, and Acrobat Reader.

Installation and Cabling

Attaching the MultiConnect WF to a Fixed Location

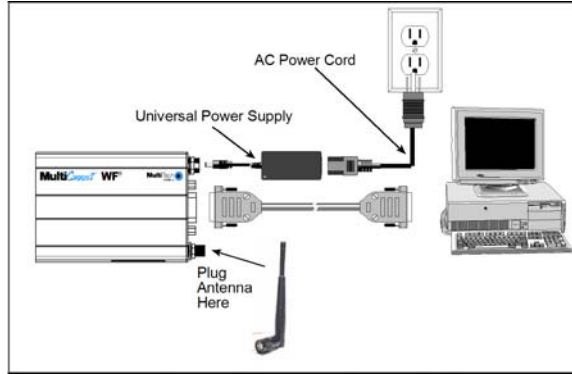
1. Typically, the MultiConnect WF is mounted against a flat surface with two mounting screws. Drill the mounting holes at the desired mounting location. The mounting holes must be separated by 4-15/16 inches center-to-center.



2. To attach the mounting bracket, slide it into the corresponding slot on the back of the MultiConnect chassis.
3. Attach the MultiConnect to the surface with two screws.

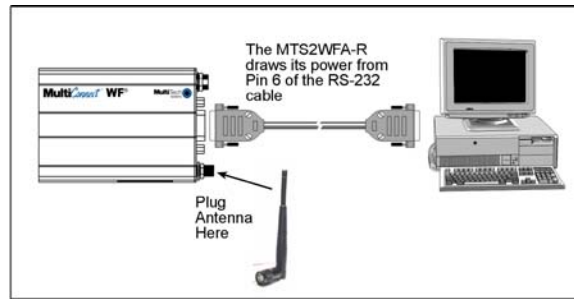
Making the Connections for the MTS2WFA (Externally Powered)

Turn off your PC. Place the MultiConnect WF in a convenient location. Connect it to your PC's serial port and plug in the power.



Making the Connections for the MTS2BTA-R

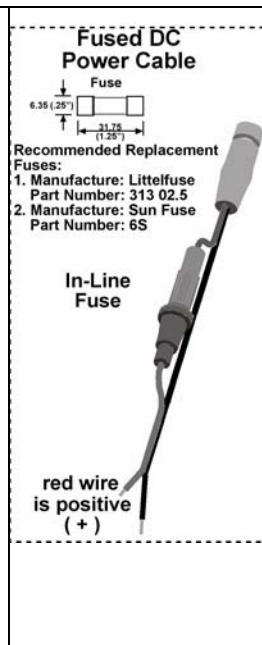
Turn off your PC. Place the device server in a convenient location. Then connect it to your PC's serial port. The MTSWFA-R draws its power from the RS-232 cable's Pin 6.



Optional – Direct DC Power Connection

- Connect a fused DC power cable into the power connector on the MultiConnect WF.
- Then attach the two wires at the other end of the fused cable to a DC fuse/terminal block on a vehicle in which you are mounting the MultiConnect WF.
Connect the red wire to the "+" positive and the black wire to the "-" negative. Be sure the GND connection is correct.

Warning: Over-voltage protection is provided on the device. To ensure complete protection, you may want to add additional filtering to the DC input.



**Model Number for the Fused DC Power Cable:
FPC-532-DC**



82100350L