
MultiVOIP[®] SIP Gateways

MultiVOIP[®] Analog Models

MultiVOIP[®] SS Models

MultiVOIP[®] FX Models

Cabling Guide



Cabling Guide**MultiVOIP SIP Gateway****MultiVOIP® FX Models MVP210-FX, MVP410-FX & MVP810-FX****MultiVOIP® SS Models MVP210-SS, MVP410-SS & MVP810-SS****MultiVOIP® Analog Models MVP210, MVP410 & MVP810****82100277L Rev. C****Copyright © 2007 Multi-Tech Systems, Inc.**

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Revision	Date	Description
A	04/16/07	Initial release.
B	06/25/07	Add MultiVOIP-SS models
C	11/26/07	Support updates. Add analog series

Trademarks

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Patents

This Product is covered by one or more of the following U.S. Patent Numbers: 6151333, 5757801, 5682386, 5.301.274; 5.309.562; 5.355.365; 5.355.653; 5.452.289; 5.453.986. Other Patents Pending.

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Introduction

This guide shows you how to make the cable connections to set up your MultiVOIP[®] Analog, FX or SS SIP Gateway unit. See your MultiVOIP *User Guide* included on the MultiVOIP CD for more information.

Safety Warnings

Lithium Battery Caution

A lithium battery on the voice/fax channel board provides backup power for the timekeeping capability. The battery has an estimated life expectancy of ten years.

When the battery starts to weaken, the date and time may be incorrect. If the battery fails, the board must be sent back to Multi-Tech Systems for battery replacement.

Warning: There is danger of explosion if the battery is incorrectly replaced.

Ethernet Ports Caution

Caution: The Ethernet ports and command ports are not designed to be connected to a Public Telecommunication network.

Safety Warnings Telecom

- Use this product only with UL- and CUL-listed computers (US).
- Never install phone wiring during a lightning storm.
- Never install a phone jack in a wet location unless the jack is specifically designed for wet locations.
- Never touch uninsulated phone wires or terminals unless the phone line has been disconnected at the network interface.
- Use caution when installing or modifying phone lines.
- Avoid using a phone during an electrical storm; there is a risk of electrical shock from lightning.
- Do not use a phone in the vicinity of a gas leak.
- To reduce the risk of fire, use only 26 AWG or larger telephone line cord.
- This product must be disconnected from power source and telephone network interface when servicing.

Safety Recommendations for Rack Mounting

- Ensure proper installation of the MultiVOIP in a closed or multi-unit enclosure by following the recommended installation as defined by the enclosure manufacturer. Do not place the MultiVOIP directly on top of other equipment or place other equipment directly on top of the MultiVOIP.
- If installing the MultiVOIP in a closed or multi-unit enclosure, ensure adequate airflow within the rack so that the maximum recommended ambient temperature is not exceeded.

Safety Recommendations for Rack Mounting (continued)

- Ensure that the MultiVOIP is properly connected to earth ground via a grounded power cord. If a power strip is used, ensure that the power strip provides adequate grounding of the attached apparatus.
- Ensure that the mains supply circuit is capable of handling the load of the MultiVOIP. Refer to the power label on the equipment for load requirements.
- Maximum ambient temperature for the MultiVOIP is 60 degrees Celsius (140° F) at 20-90% non-condensing relative humidity.
- This equipment should only be installed by properly qualified service personnel.
- Only connect like circuits. In other words, connect SELV (Secondary Extra Low Voltage) circuits to SELV circuits and TN (Telecommunications Network) circuits to TN circuits.
- To reduce the risk of shock, all access doors should be closed during normal operation of the equipment.

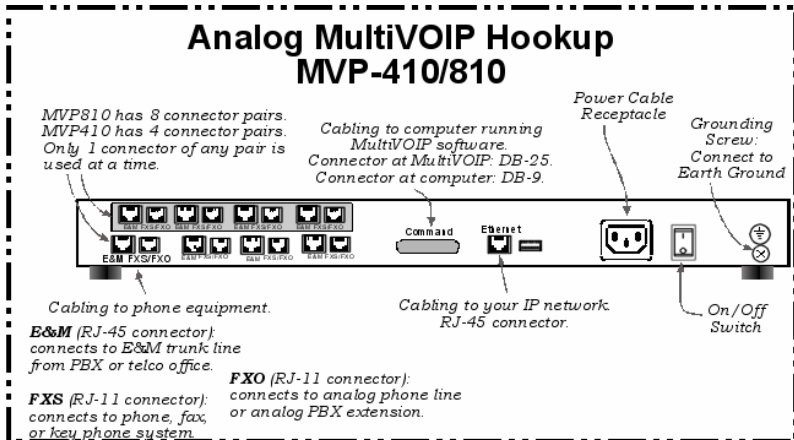
Package Contents: MVP-410/810 Models

- One 4-port or 8-port MultiVOIP Analog or MultiVOIP SS or MultiVOIP FX unit
- One power cord
- One Command Cable (DB25-to-DB9 connectors)
- Two rack mount brackets and four mounting screws
- One printed *Cabling Guide*
- One MultiVOIP CD containing software and user documentation.

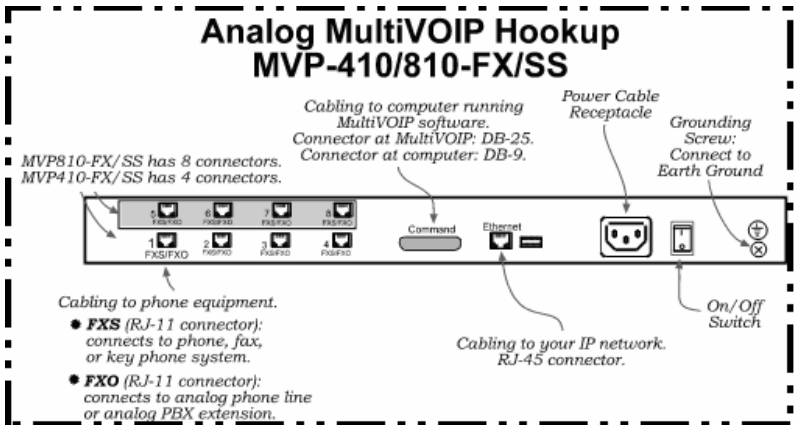
Package Contents: MVP210 Models

- One two-port MultiVOIP unit (MVP210 or MVP210-SS or MVP 210-FX)
- One two-part power cord
- One Command Cable (DB9-to-RJ45 connectors)
- One printed *Cabling Guide*
- One MultiVOIP CD containing software and user documentation.

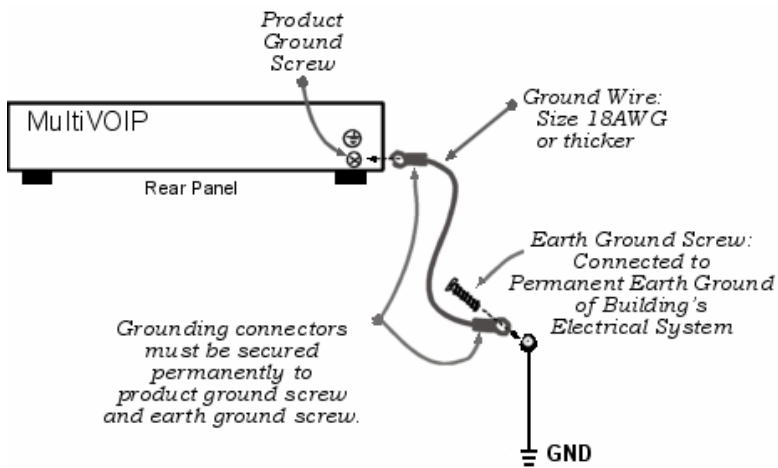
Quick Hookup for MVP-410/810 Analog



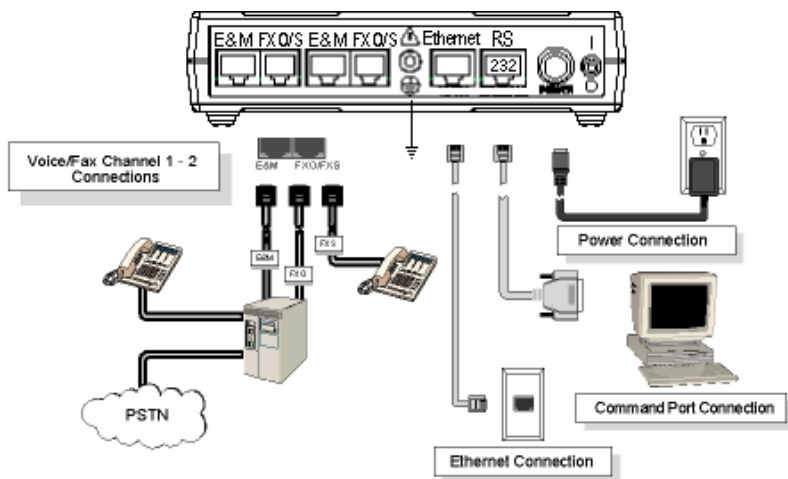
Quick Hookup for MVP-410/810 SS/FX



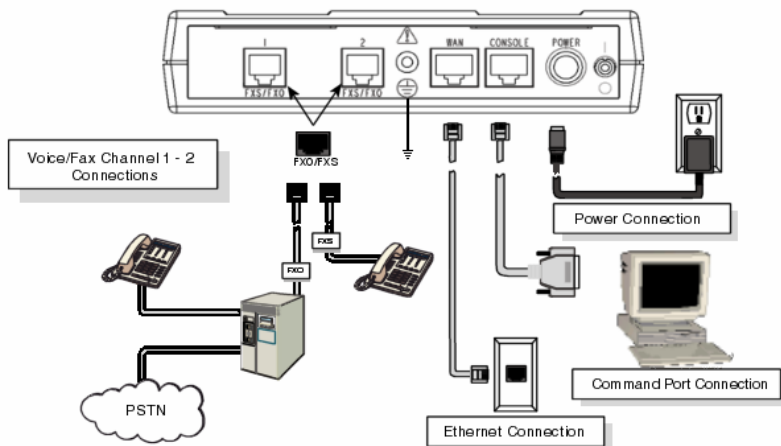
Earth Grounding for MVP-410/810 Models



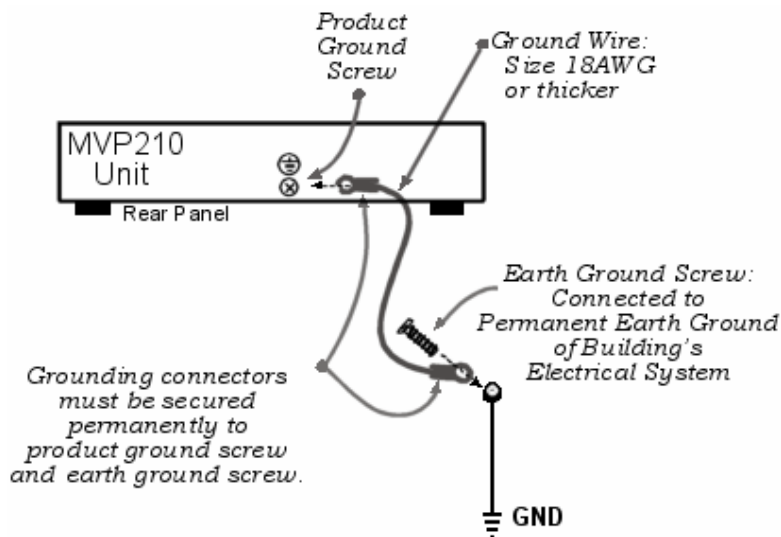
Quick Hookup for MVP210 Analog



Quick Hookup for MVP210-FX/SS



Earth Grounding for MVP210 Models



Power-Up

Turn on power to the MultiVOIP by placing the ON/OFF switch on the back panel to the ON position. Wait for the **Boot** LED on the MultiVOIP to go off before proceeding. This will take about one minute.

VOIP Configuration

When the cabling connections above have been made, go to the installation chapter of the *User Guide* (on your MultiVOIP CD) for detailed instructions about configuration.

