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# **FaxFinder<sup>®</sup>**

**V.34 Fax Servers**

**1, 2, 4, or 8 Ports**

**Models: FF120**

**FF220**

**FF420**

**FF820**

**Cabling Guide**



## FaxFinder Model FF-120/220/420/820 Cabling Guide

P/N 82100262L, Revision C

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### Record of Revisions

| Revision | Date     | Description                                                                     |
|----------|----------|---------------------------------------------------------------------------------|
| A        | 03/02/07 | Initial Release of FF120 & FF220. Follows 82100060L Quick Start for FF-420/820. |
| B        | 04/16/07 | Revise tech support contact listing.                                            |
| C        | 10/24/08 | Update support contact; new chassis.                                            |

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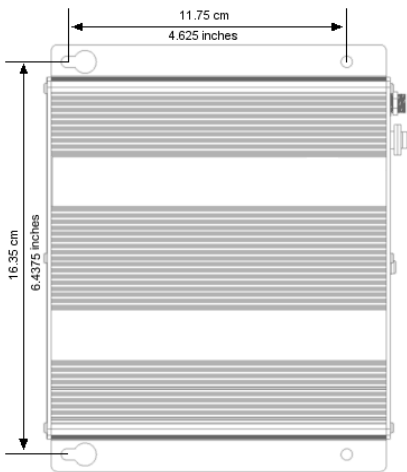
| GENERAL CONTACT | TECHNICAL SUPPORT           |                         |                                   |
|-----------------|-----------------------------|-------------------------|-----------------------------------|
|                 | Country                     | By E-mail               | By Phone                          |
|                 | Europe, Middle East, Africa | support@multitech.co.uk | +(44) 118 959 7774                |
|                 | U.S., Canada, All Others    | support@multitech.com   | (800) 972-2439;<br>(763) 717-5863 |

### Introduction

This guide describes the hardware setup of the FF120, FF220, FF420, and FF820 FaxFinder units, that is, how to connect their cables for operation, and some preliminary considerations for their inter-operation with PBX units. Instructions for software setup can be found in chapters 3, 5 and 8 of the *Administrator User Guide*.

### Mechanical Mounting

The FF120 & FF220 FaxFinder can be surface mounted with screws spaced according to the dimensions shown. The FF420 & FF820 are normally table-top units but can be rack-mounted.



### ***We Supply***

- A FaxFinder (FF-120/220/420/820) with factory-installed software
- One power supply with power cord (builds of FF-120/220 for outside North America have a 2-piece power connection)
- Common telephone cables (1 for each port; RJ-11 at both ends)
- A product CD that contains: (a) a suite of software programs for client PCs, (b) a system management software package for the administrator's PC, and (c) additional documentation for both administrators and client/users
- A set of four self-adhesive rubber feet (*FF-120/220 only*)
- Rack-mounting fasteners (*FF-420/820 only*)
- This printed *Cabling Guide*

### ***You Supply***

- A nearby AC power outlet
- A connection to your Ethernet LAN
- Telephony connections (to match number of ports on unit)
  - either*** - common subscriber (POTS) phone line jack(s)
  - or*** - PBX station port(s)
  - or*** - both
- An admin PC (with web browser) to configure the FaxFinder
- Client PCs (Windows NT/2000/XP) with email and printing applications and a PDF viewer (a TIFF viewer is provided). Network clients receive faxes in their email inboxes as graphic file attachments. They will send faxes by printing to the FaxFinder server from application programs.

# FaxFinder Operation

### *Fax Sending*

For outgoing faxing, users send faxes by using the Print command of any application program and selecting the FaxFinder as the target Printer.

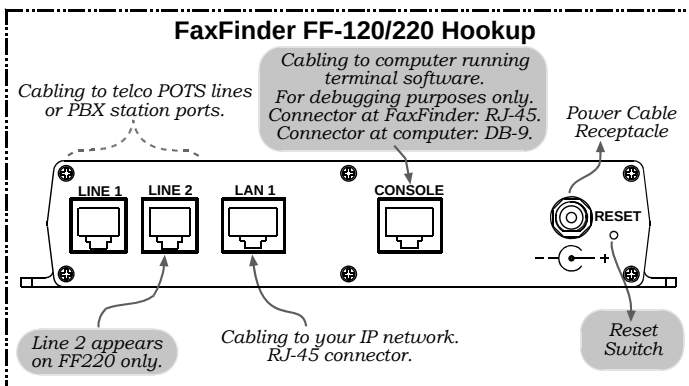
### *Fax Receiving: Automated vs. Manual Routing*

For incoming fax service, the FaxFinder converts the incoming faxes into graphic files (PDF or TIF) that are sent as email attachments to fax recipients on the Ethernet network. These emails may then either go directly to the recipient (Automated Routing Mode) or to an attendant who will forward them to their ultimate recipients (Manual Routing Mode).

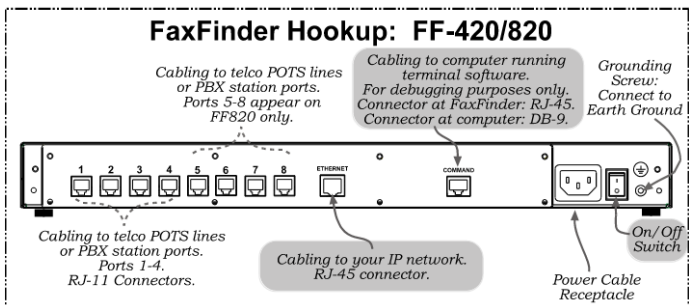
To use **Automated Routing** Mode, the FaxFinder must operate in conjunction with a PBX and the PBX must be able to route many incoming DID fax numbers to a group of station ports as DTMF digits. On the Multi-Tech website we have a list of certified PBX configuration guides for FaxFinders. If you believe that your PBX has the necessary DID routing capability but your PBX is not listed, contact Multi-Tech Technical Support. In Automated Routing Mode, the line ports on the FaxFinder will be connected to the appropriate station ports on your PBX.

With **Manual Routing**, each phone line connected to the FaxFinder can have an email address assigned to it. In this case the POTS lines will be connected to the line ports on the FaxFinder.

## Quick Hookup for FF-120/220



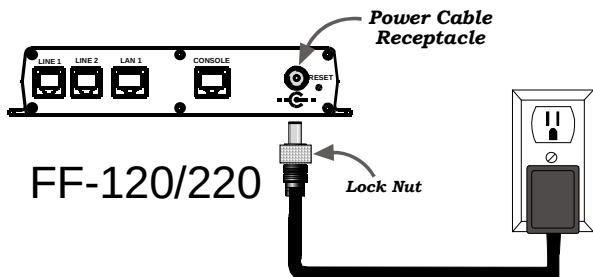
## Quick Hookup for FF-420/820



### Cabling Process

Place the FaxFinder in a convenient location, and then connect it to your AC power outlet and Ethernet.

#### 1. Connect FaxFinder to AC Outlet.



Use only the DC power transformer supplied with the FaxFinder. Use of any other transformer voids the warranty and can damage the FaxFinder. The FF-420/820 models use a standard power cord.

#### 2. Verify powering.

After power is applied, the **Power** LED comes on immediately but there is a 4-second delay before the **Status** LED comes on. In normal operation, the **Status** LED will be flashing.

When you apply power, the FaxFinder performs a diagnostic self-test. The **Status** indicator flashes when the test is complete and the unit is ready. If this does not happen, check that the power supply is solidly connected and that the AC outlet is live.

### 3. Connect FaxFinder to Ethernet Network.

**Caution:** Before connecting to the Ethernet Network, make sure that the network to which you are connecting the FaxFinder is not a 192.168.2.x subnet, else the FaxFinder's factory default IP address of 192.168.2.1 will cause data interference.

If it is a 192.168.2.x subnet, connect from the Administrative PC to the FaxFinder using an RJ45 crossover cable until the FaxFinder's IP address has been configured. Thereafter, connect the FaxFinder into the network with an ordinary RJ45 cable.

### 4. Connect to Telephony Service

The FaxFinder's fax modems can either be connected to a PBX (for use in **Automated Routing Mode**) or to a POTS line (for use in **Manual Routing Mode**).

| Automated Routing Mode                                                                                                  | Manual Routing Mode                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Plug one end of the phone cable into the FaxFinder's LINE jack and the other into an available Station Port on the PBX. | Plug one end of the phone cable into the FaxFinder's LINE jack and the other end into your standard telephone receptacle. |

