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# **FaxFinder<sup>®</sup>**

**V.34 Fax Server**

**Configuration Guide  
for Inter-Operation with  
Panasonic TDA Phone Systems**



## **FaxFinder Configuration Guide**

### **Inter-Operation with Panasonic TDA Phone Systems**

*PN S000398B, Version B*

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#### **Revisions**

| <i>Revision Level</i> | <i>Date</i> | <i>Description</i>                          |
|-----------------------|-------------|---|
| <b>A</b>              | 08/01/06    | Initial release.                            |
| <b>B</b>              | 04/16/07    | Updated the Technical Support contact list. |

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#### **Patents**

This device covered by one or more of the following patents: 6,031,867; 6,012,113; 6,009,082; 5,905,794; 5,864,560; 5,815,567; 5,815,503; 5,812,534; 5,809,068; 5,790,532; 5,764,628; 5,764,627; 5,754,589; 5,724,356; 5,673,268; 5,673,257; 5,644,594; 5,628,030; 5,619,508; 5,617,423; 5,600,649; 5,592,586; 5,577,041; 5,574,725; 5,559,793; 5,546,448; 5,546,395; 5,535,204; 5,500,859; 5,471,470; 5,463,616; 5,453,986; 5,452,289; 5,450,425; D353, 598; 5,355,365; 5,309,562; 5,301,274

Other Patents Pending

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## Introduction

This configuration guide will work with:

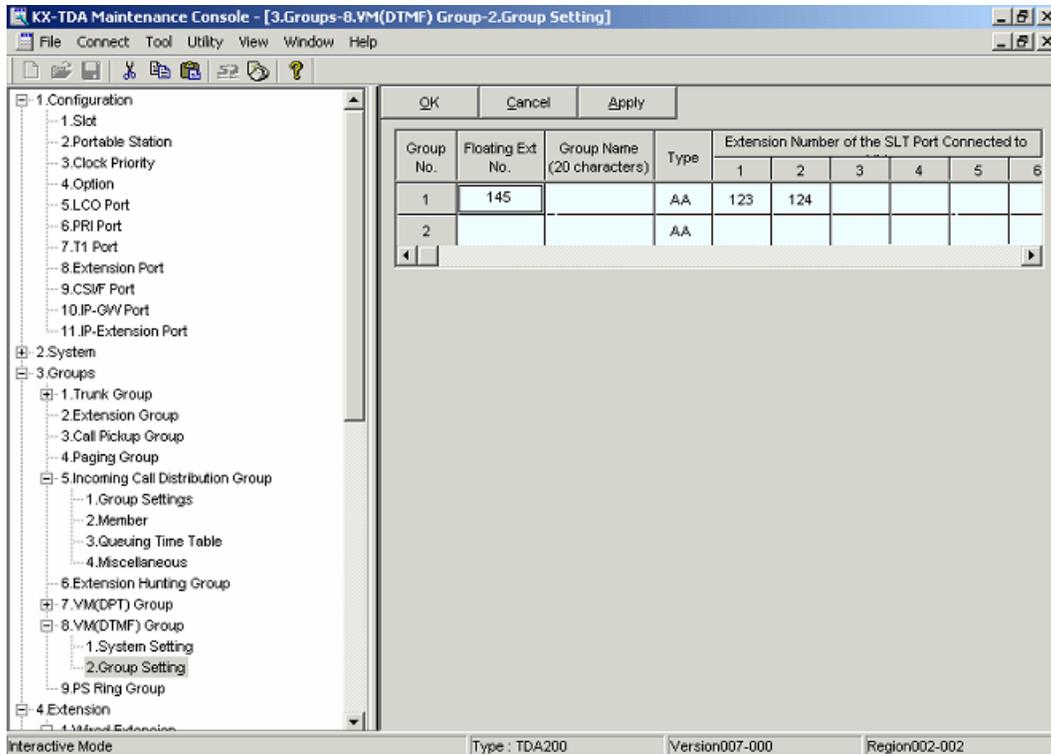
- FaxFinders model: FF100, FF200, FF420 and FF820 firmware version 1.04c and greater.
- Panasonic TDA platforms including TDA50, 100, 200 and 500.
- Panasonic 8/16 DHLC analog extension card.

In this example we will be routing two, DID fax numbers into the TDA from the telco T1/PRI line.

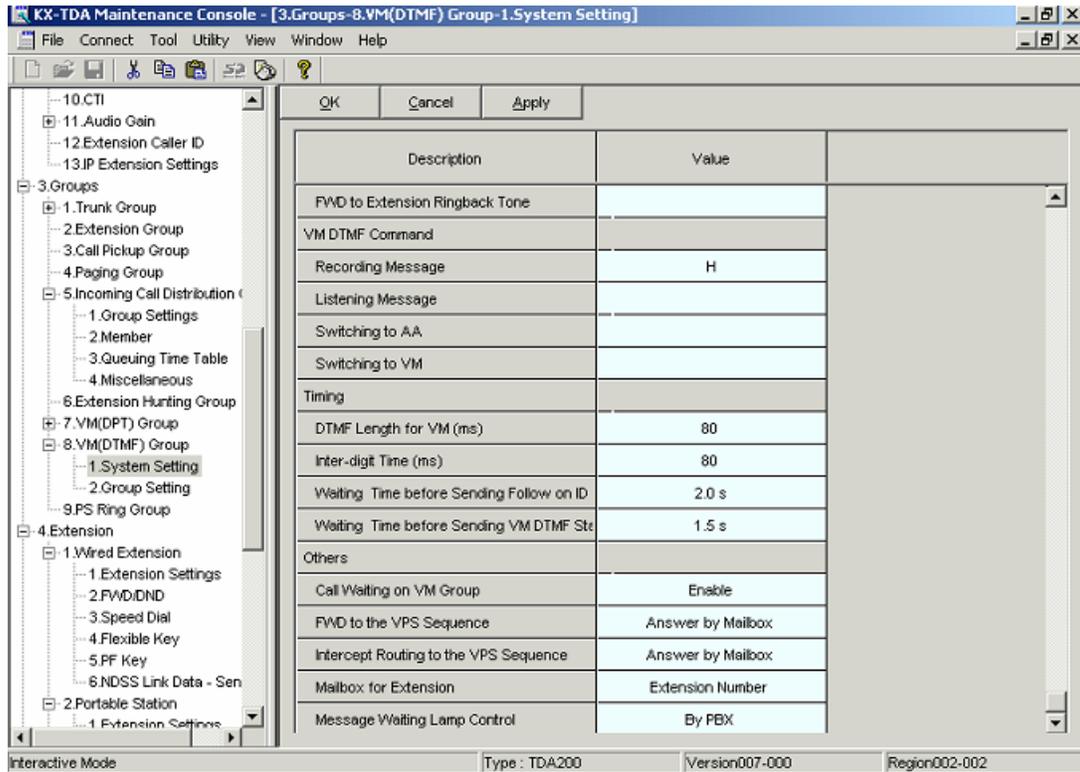
1. Fax user will dial fax DID number(s), “763-555-1605 and/or 763-555-1610”.
2. TDA will route 1605 and/or 1610 to voice mail.
3. Voice mail system will remove voice mail characters, strip leading digit and set routing criteria.
4. Voice mail sends 605 or 610 as DTMF to the analog extensions that are plugged into the FaxFinder. Analog extensions 123 and 124 are plugged into the FaxFinder.
5. The FaxFinder will detect 605 or 610 and route the incoming fax to the email address associated with these digits.

## Configuring TDA

- VM DTMF Group Setting: Link floating extension number to analog extension(s) that will plug into the FaxFinder.



- VM DTMF Group System Setting: Set route criteria.  
Match the fields as shown in the screen capture below.



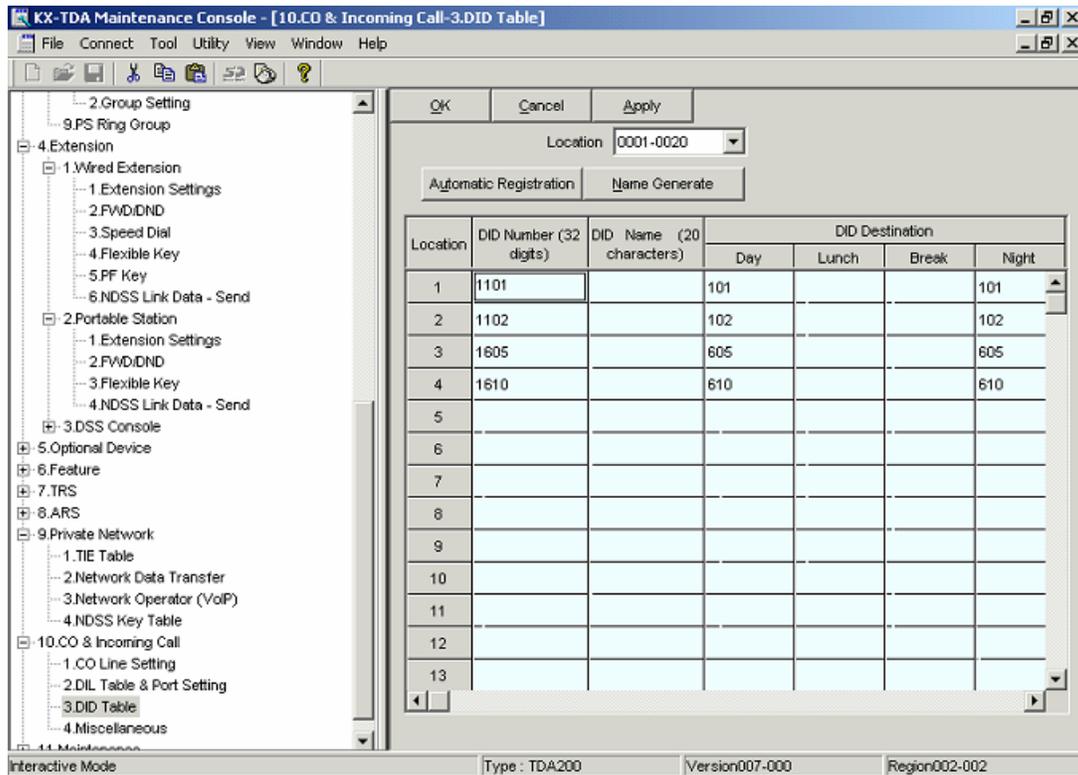
- Incoming Call Distribution Group, Group Settings: Link 605 and 610 to 145 or floating extension.

The screenshot shows the 'KX-TDA Maintenance Console' window with the '3.Groups-5.Incoming Call Distribution Group-1.Group Settings' configuration. The 'Main' tab is selected, and the 'Queuing Busy' sub-tab is active. The table below shows the configuration for 14 Incoming Call Distribution (ICD) groups.

| ICD Group | Floating Extension Number | Group Name (20 characters) | Destination (32 digits) |       |       |       | Queuing Call Capacity |
|-----------|---------------------------|----------------------------|-------------------------|-------|-------|-------|-----------------------|
|           |                           |                            | Queuing Busy            |       |       |       |                       |
|           |                           |                            | Day                     | Lunch | Break | Night |                       |
| 1         | 601                       | ICD Group 001              |                         |       |       |       | 30                    |
| 2         | 602                       | ICD Group 002              |                         |       |       |       | 30                    |
| 3         | 603                       | ICD Group 003              |                         |       |       |       | 30                    |
| 4         | 604                       | ICD Group 004              |                         |       |       |       | 30                    |
| 5         | 605                       | ICD Group 005              | 145                     |       |       | 145   | 30                    |
| 6         | 606                       | ICD Group 006              |                         |       |       |       | 30                    |
| 7         | 607                       | ICD Group 007              |                         |       |       |       | 30                    |
| 8         | 608                       | ICD Group 008              |                         |       |       |       | 30                    |
| 9         | 609                       | ICD Group 009              |                         |       |       |       | 30                    |
| 10        | 610                       | ICD Group 010              | 145                     |       |       | 145   | 30                    |
| 11        | 611                       | ICD Group 011              |                         |       |       |       | 30                    |
| 12        | 612                       | ICD Group 012              |                         |       |       |       | 30                    |
| 13        | 613                       | ICD Group 013              |                         |       |       |       | 30                    |
| 14        | 614                       | ICD Group 014              |                         |       |       |       | 30                    |

At the bottom of the window, the status bar shows: Interactive Mode | Type : TDA200 | Version007-000 | Region002-002

- Incoming Call DID Table: enter DID digits TDA will receive from telco and strip leading digit.



Troubleshooting DID to DTMF routing on TDA prior to setting up FaxFinder.

- Plug an analog phone(s) into the TDA analog extension ports configured for use with FaxFinder.
- Dial 763-555-1605 or 763-555-1610 with phone to simulate fax call into the TDA.
- When the phone rings, pick up and listen for DTMF tones, you will hear 3 in this example.
- If no tones are heard, review guide and/or contact Panasonic support for assistance.
- If tones are heard, proceed to next section for configuration of FaxFinder.

## Configuring FaxFinder

- Physical channel connection: Connect a phone line between the FaxFinder channel(s) and analog extension(s) on the TDA.
- Connect power and Ethernet on the Fax Finder: The default IP address of the fax finder is 192.168.2.1.
- Set IP of PC on same network as fax finder to 192.168.2.2.
- Web into the FaxFinder by putting in 192.168.2.1 in browser URL and hit enter.
- Default username = admin, password = admin.
- Modem setup: Set for PBX routing and max digits = 3.
- Modem setup: Set Dial Prefix for 9, or TDA access code for faxing outside to the telco.
- Click update after configuring each channel.

The screenshot shows the Multi-Tech FaxFinder web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `http://65.126.90.76/cgi-bin/test.cgi?getmodemsetup=Submit`. The page title is "Multi-Tech FaxFinder™ Fax Server - Microsoft Internet Explorer". The interface includes a navigation menu with links: Home, Login, Fax Log, Current Status, Logout, Help, Administration, Phone Book, Modem Configuration, and Password Administration. The main content area is titled "Modem Configuration:POTS modem 1" and "Modem Configuration:POTS modem 2". Each modem configuration section contains the following fields and options:

- Country Code: UnitedStates(US)
- Answer On: 1 ring(s)
- Routing:  None,  PBX Routing,  PBX Mode Code
- Max Baud Rate: 14400
- Tone Dial:  on,  off
- Dial prefix: 9
- Max DTMF Digits: 3
- Fax ID: TDA ext 123 (for modem 1) / TDA ext 124 (for modem 2)
- Error Correction:  on,  off
- Smart Dial:  on,  off

An "update" button is located below the "Dial prefix" field for each modem configuration.

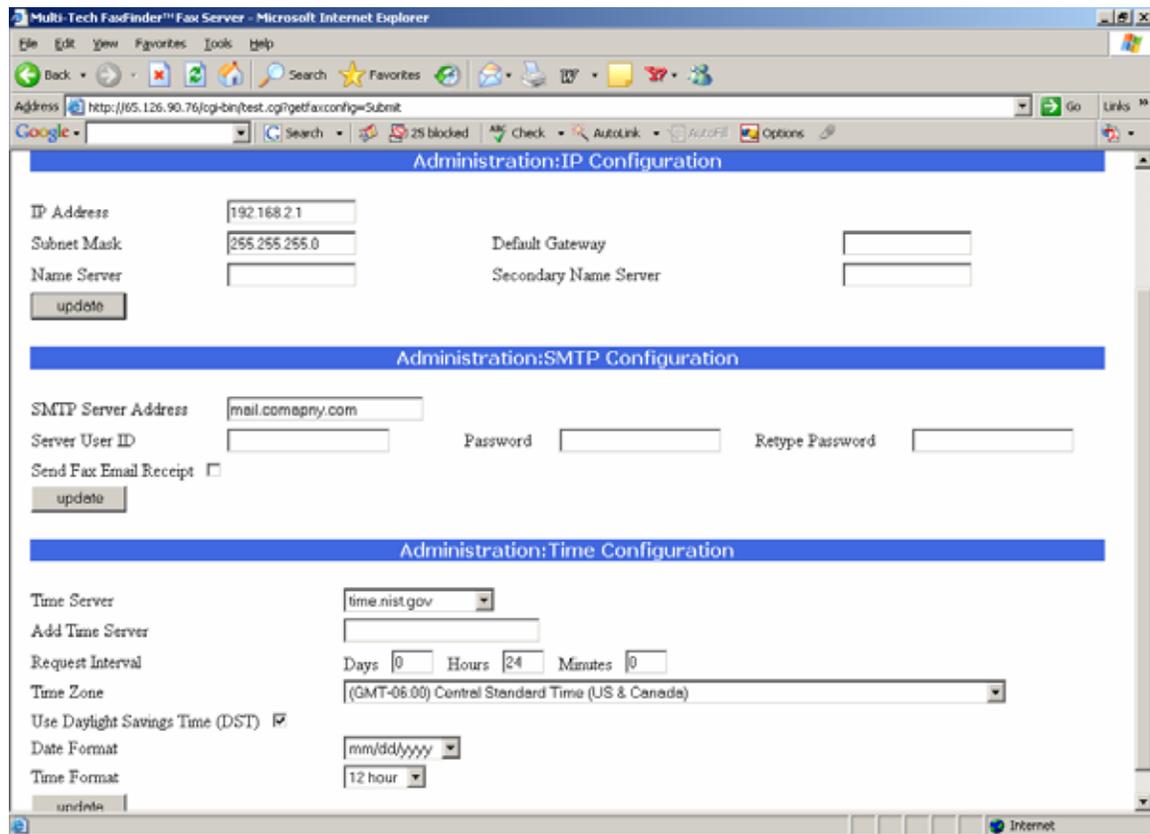
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- Phone book setup: Enter the 605 and 610 along with admin email address.
- Click update after add or modify for each entry.

The screenshot shows a web browser window displaying the Multi-Tech FaxFinder administration interface. The page title is "Multi-Tech FaxFinder Fax Server - Microsoft Internet Explorer". The address bar shows the URL: <http://65.126.90.76/cgi-bin/best.cgi?getphonebook=Submit>. The page features a navigation menu with links for Home, Login, Fax Log, Current Status, Logout, Help, Administration, Phone Book, Modem Configuration, and Password Administration. The main content area is titled "Phone Book" and contains a table with the following data:

| Name   | User ID                            | Email Address                                    | Ext #                            | Function  |
|--|------------------------------------|--|----------------------------------|---|
| <input type="text" value="Administrator"/>     | <input type="text" value="admin"/> | <input type="text" value="Admin@company.com"/>   |                                  | <input type="button" value="update"/>                                       |
| <input type="text" value="Unassigned Number"/> |                                    | <input type="text" value="Admin@company.com"/>   |                                  | <input type="button" value="update"/>                                       |
| <input type="text" value="JoeFax"/>            | <input type="text" value="605"/>   | <input type="text" value="JoeFax@company.com"/>  | <input type="text" value="605"/> | <input type="button" value="update"/> <input type="button" value="delete"/> |
| <input type="text" value="GregFax"/>           | <input type="text" value="610"/>   | <input type="text" value="GregFax@company.com"/> | <input type="text" value="610"/> | <input type="button" value="update"/> <input type="button" value="delete"/> |
| <input type="text"/>                           | <input type="text"/>               | <input type="text"/>                             | <input type="text"/>             | <input type="button" value="add"/>  |

- Administration setup: Setup IP, Default Gateway, DNS (Name Server), Email Server IP and Time Server.
- After entering IP configuration and clicking “update” you will have to re-connect with the new IP address. For this reason it may be easier to setup SMTP and Time configuration first.



- You are now ready to test incoming faxes to the FaxFinder from the telco.
- Please refer to the FaxFinder Administrator User Guide for additional configuration information and to the Client User Guide for assistance with setting up the FaxFinder client software.

Please direct your questions regarding technical matters, product configuration, verification that the product is defective, etc., to our Technical Support department at (800) 972-2439 or email [support@multitech.com](mailto:support@multitech.com).

Product support resources are available at the Multi-Tech web site: [www.multitech.com](http://www.multitech.com)