
Title Cisco Router 3725 with "FXS ports" DID integrations with Fax Press and FaxPress Plus servers

Overview

This integration would allow the Cisco 3725 router with the "FXS ports" to forward DID digits in DTMF format to FaxPress and FaxPress Premier analog Servers.

In the above example, the router needs to send all calls with DID number 81XX to the FXS ports 2/0/0 thru 2/0/3. (Requires call Manager change on the dial-peer to forward all digits.)

Discussion**Integration Requirements:**

- Cisco 3725 Router
- FXS 4 Ports Legacy Analog Ports
- Call Manager Software v3.3.4
- One of the mentioned FaxPress models

Cisco router configuration / Programming:

```
dial-peer voice 8191 pots
description Fax DID's
preference 4
destination-pattern 8...
fax rate disable
no digit-strip
direct-inward-dial
port 2/0/0
forward-digits all
!
dial-peer voice 8100 pots
description Fax DID's
preference 5
destination-pattern 8...
fax rate disable
no digit-strip
direct-inward-dial
port 2/0/1
forward-digits all
!
dial-peer voice 8100 pots
description Fax DID's
preference 6
```

```
destination-pattern 8...
fax rate disable
no digit-strip
direct-inward-dial
port 2/0/2
forward-digits all
!
dial-peer voice 8100 pots
description Fax DID's
preference 7
destination-pattern 8...
fax rate disable
no digit-strip
direct-inward-dial
port 2/0/3
forward-digits all
```

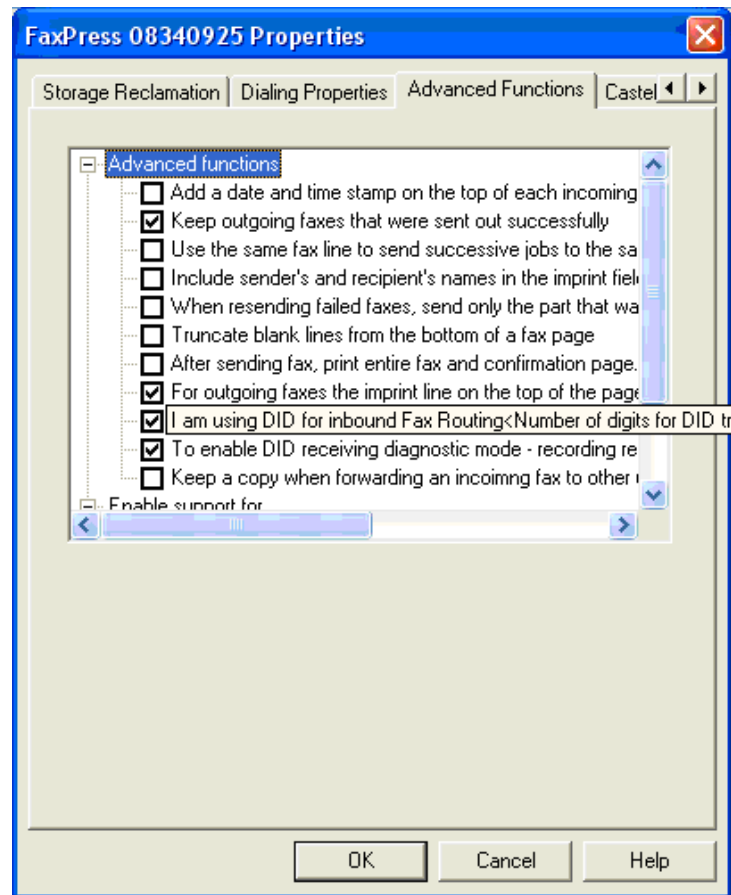
FaxPress and FaxPress Premier configuration:

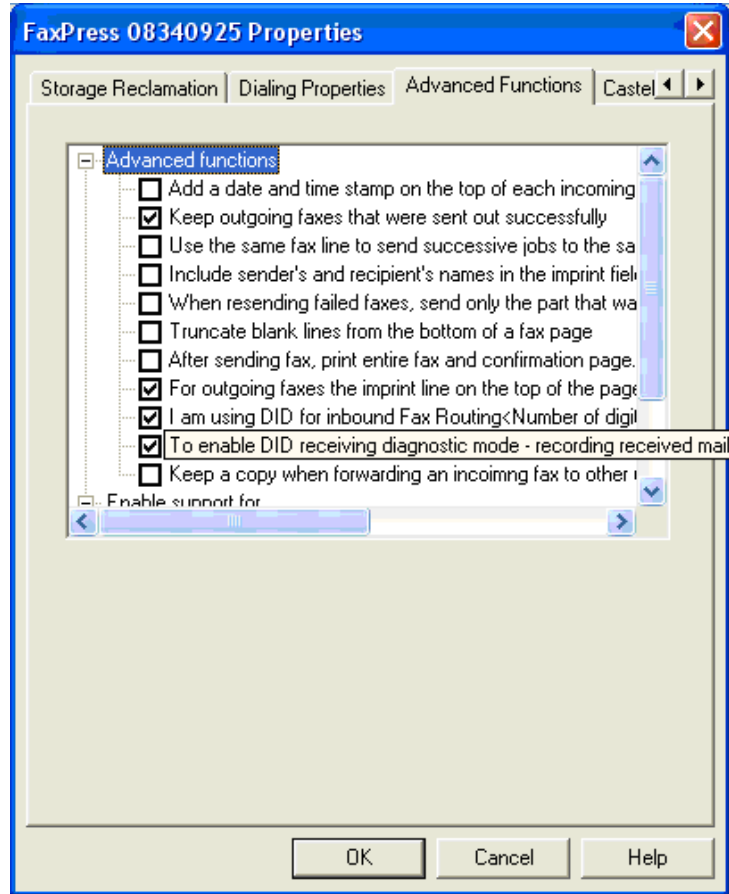
1. FaxPress Configuration: (Models SBE, 2500, 5000, 7000)
 - a. Log into Faxmain as supervisor. Under Fax Press neighborhoods select the Server, now select the properties tab, under line settings, Select line 1 and select the line direction as "Bi-Directional" next select the "Routing Type and select PBX/DID routing type, configure each line that will be used for incoming calls.
 - b. Next right Arrow over to "Advanced Properties Tab and put a Check mark into "I am using DID for inbound routing" and To Enable DTMF.LOG file,

Note: The FaxPress server must be restarted at this point.

c. See "B" User Settings below for DID assign.

The screenshot shows the 'FaxPress 08340925 Properties' dialog box with the 'Line Settings' tab selected. The 'Fax Line' section includes a telephone icon and fields for 'Fax Line' (set to 'Line 1'), 'Remote Terminal ID' (set to 'Company Name Here'), 'Imprint Terminal ID' (set to 'Fax Back Number Here'), and 'Local Fax Number' (set to '7 digit phone # here'). The 'Dialing Type' section has radio buttons for 'Tone' (selected) and 'Pulse', with a 'PBX Pre-Dial' field and a '# of rings to answer' field set to '2'. The 'Line Direction' section has radio buttons for 'Bi-Directional', 'Output Only', 'Input Only' (selected), and 'Not Connected', accompanied by a note: 'Note: You MUST set the line direction as Not Connected if phone line is not currently connected with this fax port. Otherwise, your fax transmission would fail.' The 'Routing Type' section has radio buttons for 'DTMF' and 'Assign Line to User' (selected), with a dropdown menu set to 'UNADDRESSED'. At the bottom are 'OK', 'Cancel', and 'Help' buttons.





- d. User Configuration: Under the Administration Branch, select users and right click, in the user properties tab enter the name of the user, this will be there logon name, and enter the users voice number, next enter the users fax number, this is the DID number that you have assigned this user, next in the Mailbox ID field enter the last 4 digits of the DID telephone number, for example if the DID telephone number is 408-852-8191, enter 8191 as the Mailbox ID.

Add User

Printer Configuration | Network Details | Archive Settings

User Account | Outgoing Faxes | Incoming Faxes

User Name: user logon name here

Full Name: optional

Voice #: 408 852 8091

Fax #: 408 852 8191

Privilege: USER

Mailbox ID: 8191

PBX Access Code:

Description:

Original Settings Based On: GUEST

Allow user to change mailbox settings.

Enforce Bill Back Code

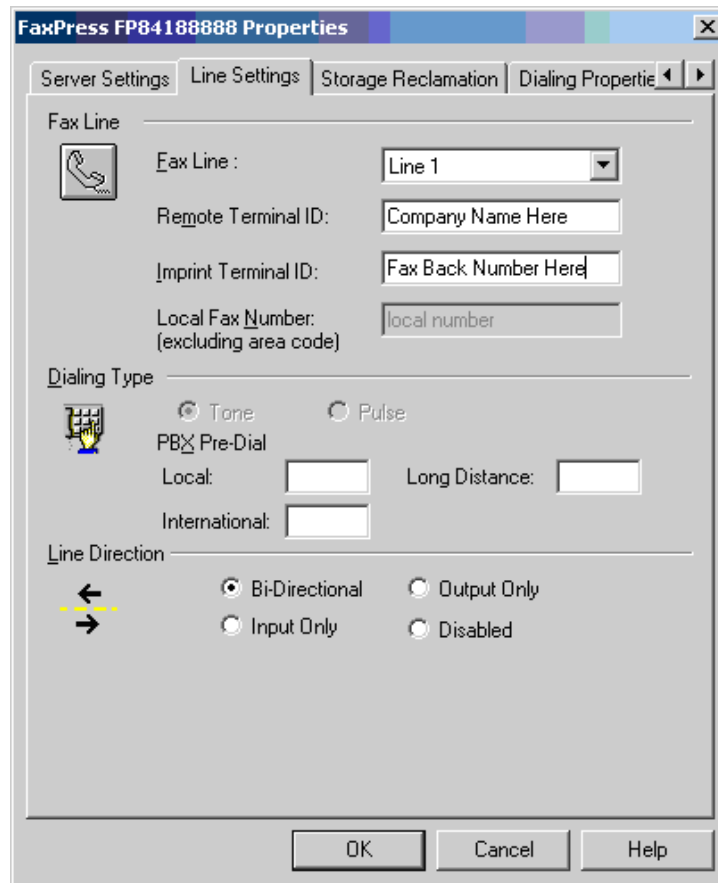
High priority user

Erase Password

OK Cancel Help

2. Fax Press Premier Analog configuration:

- a. Log in as supervisor. Under Fax Press neighborhoods select the Server, now select the properties tab, select the line settings tab and set the line direction as bi-directional.



Premier ONLY

- b. Routing Type: Right arrow over to ROUTING TYPE and select DNIS/ANI and enter the number of digits. These will match the mailbox ID under user settings. See "C" User Settings below.

The screenshot shows the 'FaxPress FP84188888 Properties' dialog box with the 'Routing Type' tab selected. The 'DNIS/ANI' radio button is selected. The 'Total String Length' is set to 4. The 'Number of DNIS Digits' is set to 4, and the 'Starting Position' is set to 0. The 'Number of ANI Digits' is set to 0, and the 'Starting Position' is set to 0. The mask field contains 'DDDD'. Below the mask field, there is a text box explaining the mask: 'The above mask is used to get the DNIS digits out of the input DNIS string. You can use the Up/Down arrow of Starting Position to set the mask value so that the "D" characters represent the exact DNIS digits as they appear in the input string.' Below this text, there is a legend: 'D - DNIS digit A - ANI digit X - Other Characters'. At the bottom, there is a section for 'Incoming faxes' with a magnifying glass icon and a text box: 'Incoming fax with unrecognized mailbox ID will be routed to the queue of the below user'. There are two radio buttons: 'Supervisor' and 'Unaddressed', with 'Unaddressed' selected. The dialog box has 'OK', 'Cancel', and 'Help' buttons at the bottom.

FaxPress & Premier

- c. User Settings: Next under the Administration Branch, select users and right click select ADD USER, in the user properties tab enter the name of the user, this will be there logon name, and enter the users voice number, next enter the users fax number, this is the DID number that you have assigned this user, next in the Mailbox ID field enter the last 4 digits of the DID telephone number, for example if the DID telephone number is 408-852-8191, enter 8191 as the Mailbox ID.

The screenshot shows the 'Add User' dialog box with the following fields and values:

- User Name: user logon name here
- Full Name: optional
- Voice #: 408 852 8091
- Fax #: 408 852 8191
- Privilege: USER
- Mailbox ID: 8191
- PBX Access Code: (empty)
- Description: (empty)
- Original Settings Based On: GUEST
- Allow user to change mailbox settings.
- Enforce Bill Back Code
- High priority user

Buttons: OK, Cancel, Help, Erase Password

Test and verification: (Same for FaxPress and Premier models)

Place a call to DID telephone number that you have programmed, for example 852-8191 and verify that fax press is able to answer with fax carrier tones.

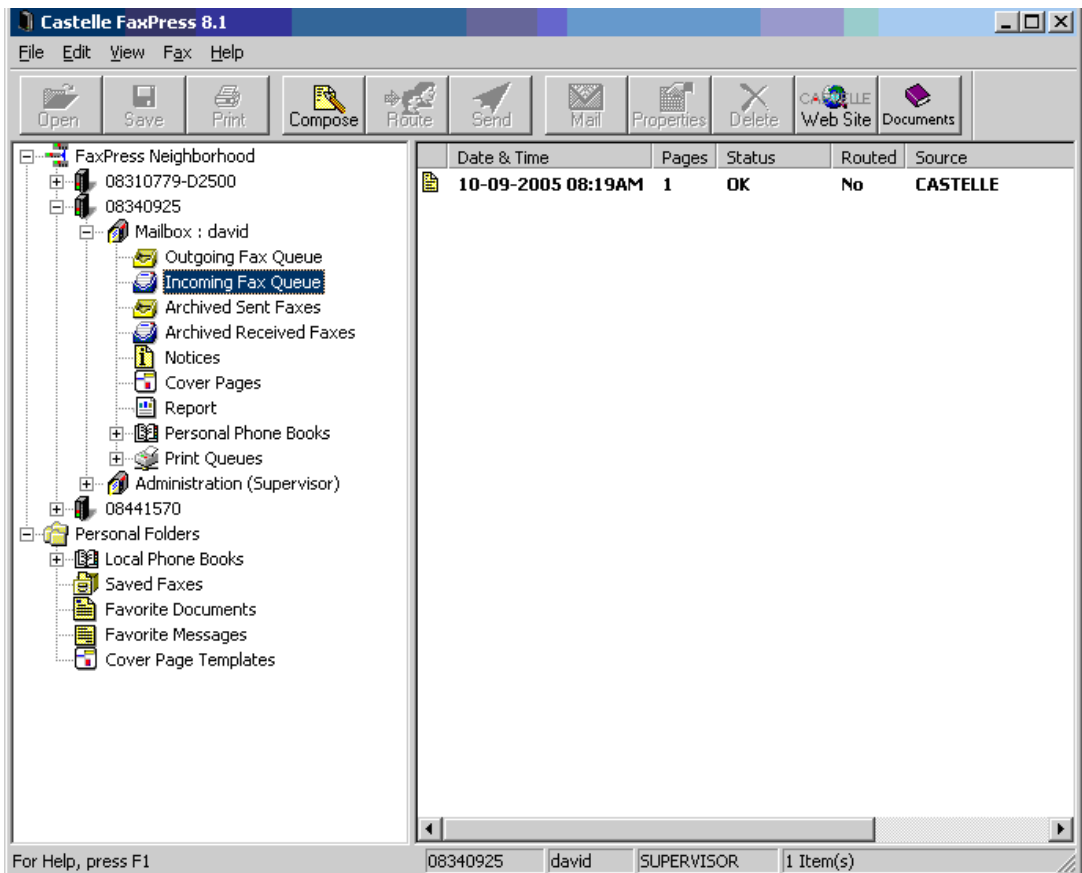
In FaxPress, login as Supervisor and select compose a fax and send it to the same telephone number.

The screenshot shows a window titled "Send Fax via 08340925" with a close button in the top right corner. The window has three tabs: "Fax", "Attachments", and "Options", with "Fax" selected. The "Fax" tab contains the following fields and controls:

- To...:** A text field containing "8528191:" with an "Outlook Contact List" button to its left and a "Send Fax" button (with a paper airplane icon) to its right.
- From:** A text field containing "SUPERVISOR".
- Cover Page:** A dropdown menu set to "Corporate".
- Subject:** A text field containing "test".
- Favorite Message:** A dropdown menu set to "No Favorite Message" with a "Save Message" button to its right.
- Message Body:** A large text area containing the text "test".
- Note:** A section with a question mark icon and the text: "You can enter a recipient directly into the list. Use the following format: Name@Company@Fax Number (name and company are optional)".

At the bottom of the window are four buttons: "Send Fax", "Preview Fax", "Cancel", and "Help".

Login as the user with the Mailbox ID that you have sent the fax to and in the incoming fax queue you should see a fax.



If your test results are not successful please contact Castelle Technical support at (408)-852-8080 or e-mail at Support@castelle.com

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