



Configuring PBX in a Flash 2.0.6.2 (Purple) for Spitfire SIP Trunks

This document is a guideline for configuring Spitfire SIP trunks onto Panasonic NCP 4.1001 and includes the settings required for Inbound DDI routing and Outbound CLI presentation. The settings contained within have been tested and are known to work at the time of testing.

SIP trunk details such as account number and password will be provided separately.

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Please make particular note of the addition of extra code on page 2, this is necessary to allow inbound DDI's to be routed

Provisioning of a SIP Trunk

Any settings not mentioned below can be left as default or determined by the installer

Tools > Config Edit > extensions_custom.conf

```
                                extensions_custom.conf
                                /etc/asterisk      /var/www/html/panel      /etc      /tftpboot      Re-Read Configs
stom.conf      Edit: extensions_custom.conf

n_ToHeader    ; This file contains example extensions_custom.conf entries.
:ustom        ; extensions_custom.conf should be used to include customizations
?four        ; to AMP's Asterisk dialplan.

me           ; Extensions in AMP have access to the 'from-internal' context.
ars          ; The context 'from-internal-custom' is included in 'from-internal' by

[ParseDDI_from_ToHeader]
exten => _.,1,Set(parseDDI=${SIP_HEADER(To)})
exten => _.,n,Set(parseDDI=${CUT(CUT(parseDDI,@,1),:,2)})
exten => _.,n,Goto(from-trunk,${parseDDI},1)

[from-internal-custom]
exten => 1234,1,Playback(demo-congrats)           ; extensions can dial 1
exten => 1234,2,Hangup()
exten => h,1,Hangup()
include => custom-recordme                       ; extensions can also d

; custom-count2four,s,1 can be used as a custom target for
; a Digital Receptionist menu or a Ring Group
[custom-count2four]
exten => s,1,SayDigits(1234)
exten => s,2,Hangup
```

- Copy the following text into extensions_customer.conf as shown above. This is very important as it allows the PBX to read and route incoming DDIs

```
[ParseDDI_from_ToHeader]
exten => _.,1,Set(parseDDI=${SIP_HEADER(To)})
exten => _.,n,Set(parseDDI=${CUT(CUT(parseDDI,@,1),:,2)})
exten => _.,n,Goto(from-trunk,${parseDDI},1)
```

- Now click 'Update'

Tools > Asterisk SIP Settings > Edit Settings

Edit Settings

NAT Settings

NAT yes no never route

IP Configuration Public IP Static IP Dynamic IP

External IP

Local Networks /

- External IP: Enter LOCAL NIC address
- Local Networks: Enter local NIC address and subnet mask

Setup > Trunks > Add SIP Trunk > General Settings

Add SIP Trunk

General Settings

Trunk Name:

Outbound Caller ID:

CID Options: ▼

Maximum Channels:

Disable Trunk: Disable

Monitor Trunk Failures: Enable

- Trunk Name: Logical name for the SIP trunk
- Outbound Caller ID: CLI number without the leading 0 or 44
- Maximum Channels: Determined by Spitfire

Setup > Trunks > Add SIP Trunk > Outgoing Settings

Outgoing Settings

Trunk Name:

PEER Details:

```
type=peer
host=83.218.143.16
outboundproxy=mproxy3.spitfiretsp.net
username=442891377985
secret=password
fromuser=442891377985
fromdomain=spitfiretsp.net
sendrpid=yes
insecure=invite
allow=alaw
context=ParseDDI_from_ToHeader
```

- Trunk Name: Logical name for the trunk
- PEER Details:
 - type=peer
 - host=83.218.143.16 (Provided by Spitfire)
 - outboundproxy=mproxy3.spitfiretsp.net (Provided by Spitfire)
 - username=442891377985 (Provided by Spitfire)
 - secret=password (Provided by Spitfire)
 - fromuser=442891377985 (Provided by Spitfire)
 - fromdomain=spitfiretsp.net (Provided by Spitfire)
 - sendrpid=yes
 - insecure=invite
 - allow=alaw
 - context=ParseDDI_from_ToHeader

Setup > Trunks > Add SIP Trunk > Registration

- Format
 - username:secret@hostIP/username
- Registration String Example
 - 442891377985:password@83.218.143.16/442891377985

Outbound Routing – Reference Only

Setup > Outbound Routes > Add Route

Add Route

Route Settings

Route Name:

Route CID: Override Extension

Route Password:

Route Type: Emergency Intra-Company

Music On Hold? ▼

Time Group: ▼

Route Position ▼

- Route Name: Spitfire Trunk (logical name that can be determined by the installer)
- Route CID: Outgoing CLI for the route (this should be the number without the leading 0 or 44 as shown in the screenshot above)

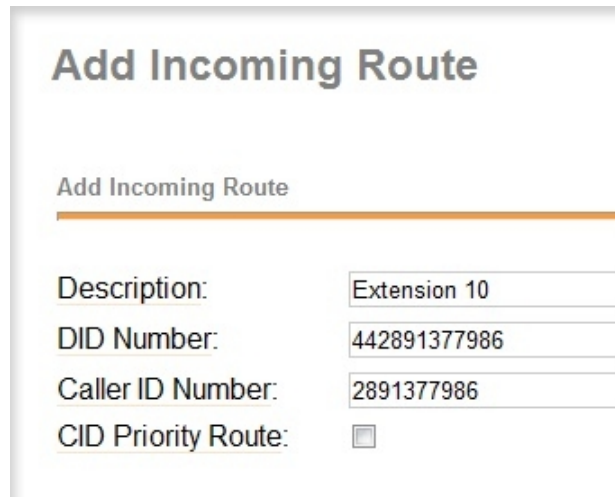
Trunk Sequence for Matched Routes

0 ▼

- Trunk Sequence: Select the correct trunk from the drop down menu (this will be the same trunk that was configured in previous step – Add SIP Trunk)

Inbound Routing – Reference Only


Setup > Inbound Routes > Add Incoming Route



The screenshot shows a web form titled "Add Incoming Route". Below the title is a sub-header "Add Incoming Route" followed by a horizontal orange line. The form contains four input fields: "Description:" with the value "Extension 10", "DID Number:" with the value "442891377986", "Caller ID Number:" with the value "2891377986", and "CID Priority Route:" with an unchecked checkbox.

- Description: Extension 10 (logical name that can be determined by the installer)
- DID Number: The DID/DDI number in the format 44XXXXXXXXXX for the extension or group you would like this number to dial
- Caller ID Number: CLI is the DID/DDI number without the leading 0 or 44

Setup > Inbound Routes > Add Incoming Route



The screenshot shows a web form titled "Set Destination". Below the title is a horizontal orange line. The form contains two dropdown menus: the first is labeled "Extensions" and the second is labeled "<10> 10".

- Set Destination: Select destination extension or group for this DDI from the drop down menu