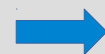


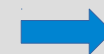
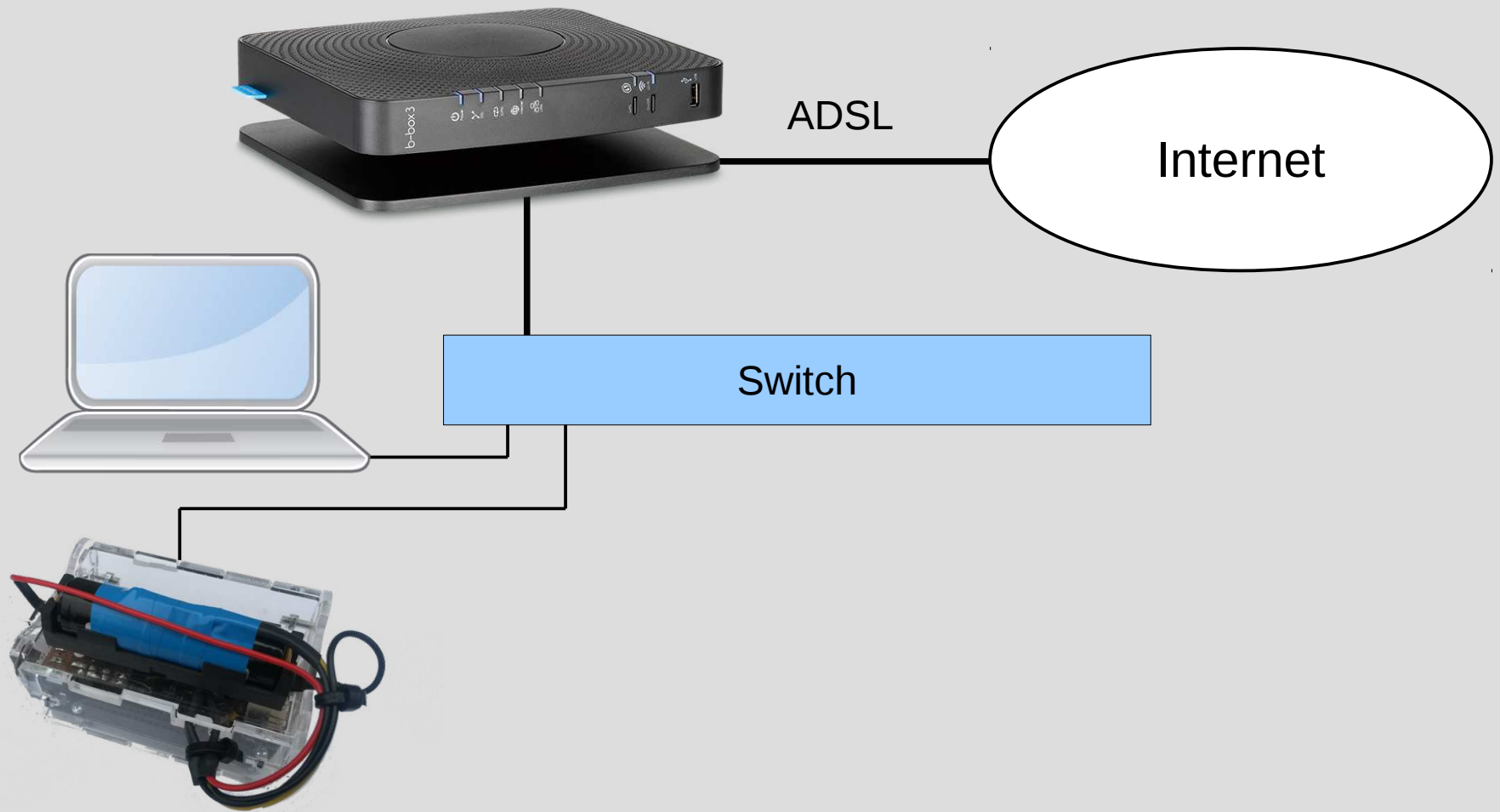
# Asterisk – FreePBX – BeagleBone Black

<http://www.raspberry-asterisk.org/>

<http://beaglebone-asterisk.raspbx.org/>

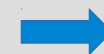


# Asterisk – FreePBX – BeagleBone Black



# Asterisk – FreePBX – BeagleBone Black

```
root@raspbx: ~  
* Documentation: https://help.ubuntu.com/  
Welcome to RasPBX - Asterisk for Raspberry Pi  
RasPBX is based on Debian. The programs included with the Debian GNU/Linux  
system are free software; the exact distribution terms for each program are  
described in the individual files in /usr/share/doc/*/copyright.  
RasPBX comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
List of RasPBX specific commands:  
-----  
raspbx-upgrade      Keep your system up to date with the latest add-ons and  
                    security fixes  
configure-timezone  Set timezone for both system and PHP  
install-fax         Install HylaFAX  
add-fax-extension   Add additional fax extension for use with HylaFAX  
install-fail2ban    Install Fail2Ban for additional security  
install-dongle      Install GSM/3G calling capability with chan_dongle  
raspbx-backup       Backup your complete system to an image file  
root@raspbx:~#
```



# Asterisk – FreePBX – BeagleBone Black

Extensions : 11, 12, 13, 14, 15, ...

FreePBX Administr... x +  
192.168.2.37/admin/config.php?type=&display=extensions

Admin Applications Connectivity Reports Settings User Panel

Announcements  
Call Recording  
Conferences  
Extensions  
IVR  
Queues  
Ring Groups

Add Extension

- Add Extension

User Extension

Display Name

CID Num Alias

SIP Alias

- Extension Options

Queue State Detection

Outbound CID

Asterisk Dial Options   Override

Ring Time

FreePBX Administr... x +  
192.168.2.37/admin/config.php?type=&display=extensions

Admin Applications Connectivity Reports Settings User Panel **Apply Config**

Add an Extension

Please select your Device below then click Submit

- Device

Device

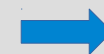
This device uses **CHAN\_SIP** technology listening on :5060

Change To CHAN\_PJSIP Driver

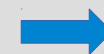
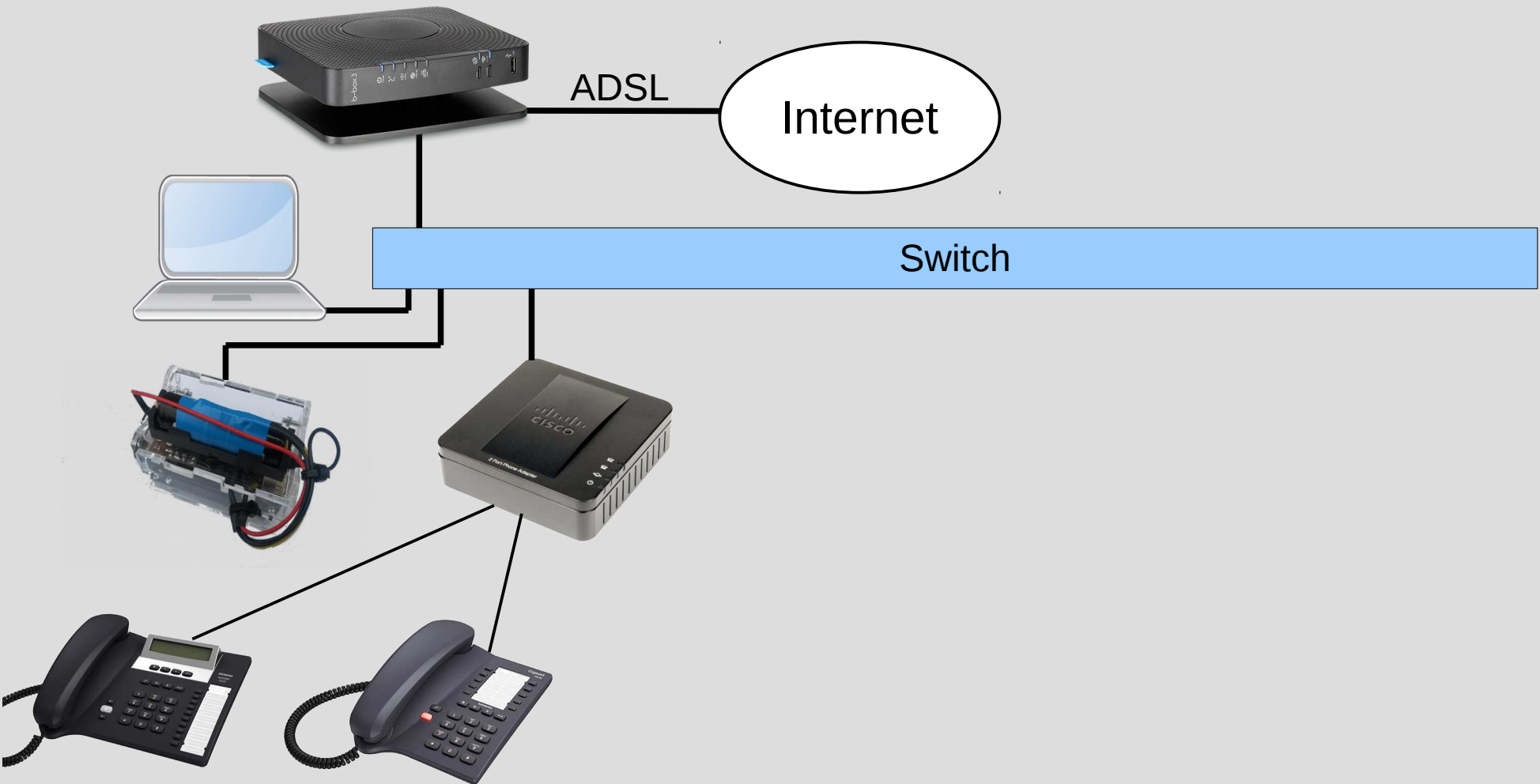
Secret

DTMF Signaling

- Add Extension
- Michel <11>
- Christophe <12>
- Patrick <13>
- Alain <14>
- yves <15>



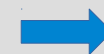
# Asterisk – FreePBX – BeagleBone Black



# Asterisk – FreePBX – BeagleBone Black

## Configuration interface Cisco SPA 112

<b>Line 1</b>			
Proxy:	<input type="text" value="192.168.2.37"/>		
Display Name:	<input type="text" value="Patrick"/>	User ID:	<input type="text" value="13"/>
Password:	<input type="password" value="*****"/>		
Dial Plan:	<input type="text" value="(*xx [3469]11 0 00 [2-9]xxxxxx 1xxx [2-9]xxxxxxS0 xxxxxxxxxxxxx.)"/>		
<b>Line 2</b>			
Proxy:	<input type="text" value="192.168.2.37"/>		
Display Name:	<input type="text" value="Alain"/>	User ID:	<input type="text" value="14"/>
Password:	<input type="password" value="*****"/>		
Dial Plan:	<input type="text" value="(*xx [3469]11 0 00 [2-9]xxxxxx 1xxx [2-9]xxxxxxS0 xxxxxxxxxxxxx.)"/>		



# Asterisk – FreePBX – BeagleBone Black

## Trunk

**General Settings**

Trunk Name:

Outbound CallerID:

CID Options:

Maximum Channels:

---

**Outgoing Settings**

Trunk Name:

PEER Details:

```
host=***provider ip address***  
username=***userid***  
secret=***password***  
type=peer
```

**Incoming Settings**

USER Context:

USER Details:

```
secret=***password***  
type=user  
context=from-trunk
```

**Registration**

Register String:

```
username=<user id>  
useragent=3stars config  
type=peer  
trustpid=no  
srvlookup=yes  
sendrpid=no  
secret=<password>  
qualify=no  
nat=yes  
insecure=very  
host=sip.3starsnet.com  
fromuser=<user id>  
fromdomain=sip.3starsnet.com  
dtmfmode=rfc2833  
disallow=all  
canreinvite=no  
bindport=5060  
bindaddr=0.0.0.0  
allow=ulaw&alaw&g723&g729&iLBC
```



# Asterisk – FreePBX – BeagleBone Black

## Outbound Routes

Route Settings

Route Name <sup>?</sup>:  →

Route CID: <sup>?</sup>   Override Extension <sup>?</sup>

Route Password: <sup>?</sup>

Additional Settings

Note that the meaning of these options has changed. [Please read the wiki for further information on these changes.](#)

Call Recording <sup>?</sup>: Force Yes Don't Care No Never

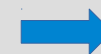
Dial Patterns that will use this Route <sup>?</sup>

|  / CallerID

Trunk Sequence for Matched Routes <sup>?</sup>

0  ←

1





# Asterisk – FreePBX – BeagleBone Black

## Inbound Routes

Edit Incoming Route

Description <sup>?</sup>:

DID Number <sup>?</sup>:

CallerID Number <sup>?</sup>:

CID Priority Route <sup>?</sup>:

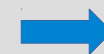
Set Destination

Extensions

Autre option

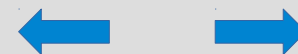
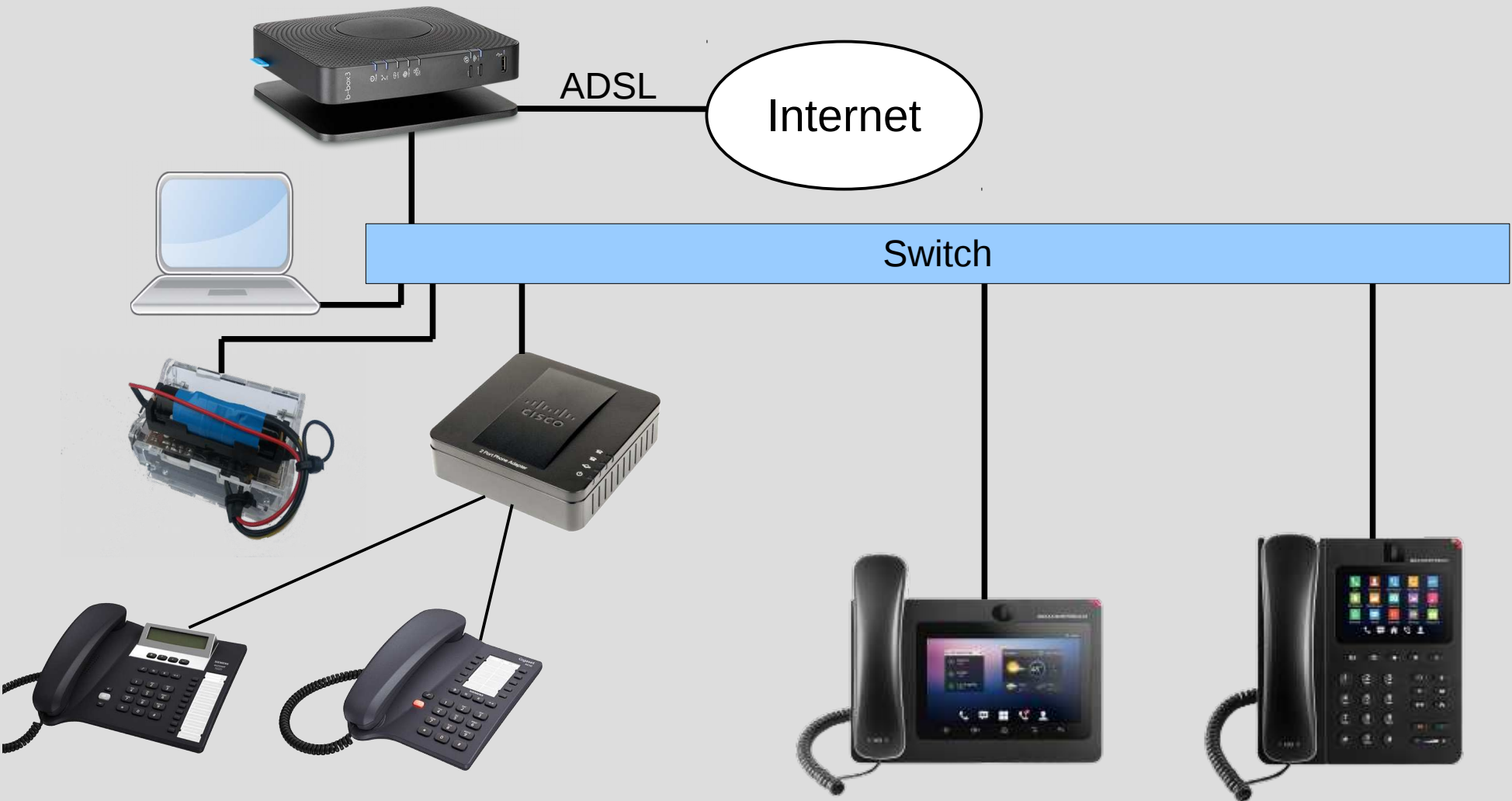
Set Destination

Ring Groups





# Asterisk – FreePBX – BeagleBone Black



# Asterisk – FreePBX – BeagleBone Black

Q & A

