

V1.0.0

2013-05-24



# Contents

| Cor | ntents . |   | 1  |
|-----|----------|---|----|
| 1.  | Conne    | ection and Change IP Address of APBX                              | 2  |
| 2.  | Create   | e local extensions and make interior calls                        | 4  |
|     | 2.1      | Go to PBX Settings -> Extensions                                  | 5  |
|     | 2.2      | Create SIP extensions   | 5  |
|     | 2.3      | Register onto APBX with your IP phone                             | 5  |
| 3.  | Creat    | e SIP trunk and make outbound/inbound calls to/from VoIP provider | 6  |
|     | 3.1      | Create SIP trunks   | 6  |
|     | 3.2      | Make outbound calls   | 6  |
|     | 3.3      | Make inbound calls  | 7  |
| 4.  | Make     | outbound/inbound calls to/from PSTN/GSM network                   | 8  |
|     | 4.1      | Make sure FXO/GSM modules are installed                           | 8  |
|     | 4.2      | Make outbound calls   | 9  |
|     | 4.3      | Make inbound calls  | 10 |



# 1. Connection and Change IP Address of APBX

The default IP address of APBX is: WAN: 192.168.1.100/255.255.255.0 LAN: 192.168.10.1/255.255.255.0

If there are two network interfaces (WAM and LAN) in your APBX (IP02/IP08/IP2G4A/IP4G), it can be used as a router (WAN port connects Internet and LAN port connects local network):



If your APBX doesn't act as a router and is put behind a router, please connect WAN port to your local network:





Please do re-set IP address of APBX via WAN at the first time, Since DHCP server on LAN port is enabled by default, Other DHCP client enabled devices in the network may obtain IP from APBX rather than real DHCP server.



Connect APBX to your PC directly or through switch.
 Make sure IP address of your PC is in network 192.168.1.0/255.255.255.0, if not, you need to appoint an IP address for your PC, for example, 192.168.1.3
 Login APBX via WEB GUI User: admin

Password: atcom

It's better to login APBX via Firefox browser, which has the best compatibility with APBX.

3) Go to Network Settings ->WAN.Re-set IP of WAN port.

4) Go to Network Settings -> LAN.Re-set IP of LAN port.

| 🕹 AICOM IP PBX Login - Mozilla Firefox   |             | - 7 🛛 |
|--|-------------|-------|
| <u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp |             |       |
| ATCOM IP FBX Login +   |             |       |
| <b>(</b> ) () 192. 168. 1. 100/login. html   | 🔎 🖾 🖛 🐱 🖛 🖡 | 🏫 🥐 🔻 |

| ATCOM PBX Login  |  |
|------------------|--|
| UserName : admin |  |
| Password :       |  |
| Login            |  |





| it <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmark<br>PBV Configuration Supt | s <u>T</u> ools <u>H</u> elp |               |                 |              |       |
|---|------------------------------|---------------|-----------------|--------------|-------|
| 192.168.1.100/admin/index.htm   | 1 T                          |               | Google ⟨Ctrl+K⟩ | P Sk + K + + | · 🎓 🦗 |
|   | tcom                         |               |                 |              |       |
| System Status   | × Network Settings / WAN     |               |                 | Logout       |       |
| PBX Settings  | ×                            |               |                 |              |       |
| Network Settings  | *                            |               |                 |              |       |
| +Web Access   | Use WAN 🗹                    |               |                 |              |       |
| +WAN  | 0.51105                      |               |                 |              |       |
| •DHCP Server  | ODHCP                        |               |                 |              |       |
| •Firewall   | Static IP                    |               |                 |              |       |
| Port Forward  |                              |               |                 |              |       |
| •DDNS   | IP Address:                  | 192.168.1.100 |                 |              |       |
| •VPN  | Subnet Mask :                | 255.255.255.0 |                 |              |       |
| System Settings   | ×                            |               |                 |              |       |
| Reports   | ⇒ Deraurt Gateway:           | 192.168.1.1   |                 |              |       |
|   | Primary DNS :                | 8. 8. 8. 8    |                 |              |       |
|   | Secondary DNS -              | 8844          |                 |              |       |
|   | Secondary prior              | 0.0.4.4       |                 |              |       |
|   | O PPPoE                      |               |                 |              |       |
|   | User Name :                  |               |                 |              |       |
|   | Password:                    | Sho           | w password      |              |       |
|   | WAN side HTTP(S) access :    | ⊙ Yes O No    |                 |              |       |
|   | Save                         |               |                 |              |       |

# 2. Create local extensions and make interior calls

| 🍪 atcon pe                | 3X Configuration Syst                           | en - Nozi   | lla Firefox         |                   |                         |                |                                   |            |       |          | PX |
|---------------------------|---|-------------|---------------------|-------------------|-------------------------|----------------|-----------------------------------|------------|-------|----------|----|
| <u>F</u> ile <u>E</u> dit | <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks | Tools Hel   | .p                  |                   |                         |                |                                   |            |       |          |    |
| ATCOM PBX                 | Configuration System                            | +           |                     |                   |                         |                |                                   |            |       |          |    |
| 🗲 🛞 192.                  | 168.1.100/admin/index.html                      |             |                     |                   |                         | 🕤 🏠 🔻          | C C Google (Ctrl+K)               | 🔎 🖾 🗸      | - 🖂   | <b>۱</b> | *  |
| 0                         | a   | tco         | m                   |                   |                         |                |                                   |            |       |          | ^  |
|                           | System Status 🛛 🕹                               | PBX Setting | gs / Extensions     |                   |                         |                |                                   |            | Logou | t        |    |
|                           | PBX Settings 🔗                                  |             |                     |                   |                         |                |                                   |            |       |          |    |
| ~                         | Extensions     Trunks                           | FXS Ex      | tensions :          |                   |                         |                |                                   |            |       |          |    |
|                           | <ul> <li>Inbound Routes</li> </ul>              | 🤣 Rei       | fresh               |                   |                         |                |                                   |            |       |          |    |
|                           | Outbound Routes                                 | Po          | ut F                | extension         | Full Name               | CallerID       | Operation                         |            |       |          |    |
|                           | •Auto Attendant                                 | 1 1         | P                   | :101              |                         | 6101           | Rdi+                              |            |       |          |    |
|                           | +Hunt/Ring Group                                | · -         |                     | 101               |                         | e400           |                                   |            |       |          |    |
|                           | Conference                                      | 2 2         |                     | 1102              |                         | 0102           | Edit                              |            |       |          |    |
|                           | Paging/Intercom                                 | VoIP E      | xtensions :         |                   |                         |                |                                   |            |       |          |    |
|                           | Ime Intervals                                   | <b>.</b>    |                     | <b>A</b>          | A                       |                | ×                                 |            |       |          |    |
|                           | •DISA   | Cre         | eate New Extension  | T Add Multiple Ex | aensions 🥒 Modity Selea | ted Extensions | K Delete Selected Extensions      |            |       |          |    |
|                           | •Blacklist                                      |             | Extension           | Full Name         | Caller ID               |                | Operation                         |            |       |          |    |
|                           | Options   | 10 💌        | 🛛 🚺 🖣 Page          | 1 of 1 🕨 🕅        | 2                       |                | Displaying 1 to 0 o               | of 0 items |       |          |    |
|                           | •SIP Settings                                   | Sorry       | v, no data exist! \ | ou can click Cre  | eate New Extension or   | Add Multiple   | Extension button to create extens | ion(s)!    |       |          |    |
|                           | •SMTP Settings                                  |             |                     |                   |                         |                |                                   |            |       |          |    |
|                           | Custom Prompts                                  |             |                     |                   |                         |                |                                   |            |       |          |    |
|                           | •Language                                       |             |                     |                   |                         |                |                                   |            |       |          |    |
|                           | Network Settings 🛛 🕹                            |             |                     |                   |                         |                |                                   |            |       |          |    |
|                           | System Settings 🛛 🕹                             |             |                     |                   |                         |                |                                   |            |       |          |    |
|                           | Reports 🛛 🕹                                     |             |                     |                   |                         |                |                                   |            |       |          |    |
|                           |   |             |                     |                   |                         |                |                                   |            |       |          |    |
|                           |   |             |                     |                   |                         |                |                                   |            |       |          | _  |
|                           |   |             |                     |                   |                         |                |                                   |            |       |          | ~  |



#### 2.1 Go to PBX Settings -> Extensions

If there are FXS modules installed in your APBX, once analog phone is connected to the corresponding FXS port, it is available to make calls. APBX configures FXS extension automatically when it is detected.

# 2.2 Create SIP extensions

Click Create New Extension to add an extension or Add Multiple Extensions to add multiple extensions.

**Extension**: Number of phone.

Password: Authentication for phone to register and make calls.

Name: the CID will be showed in others' phone, default is Extension.

Caller ID: the CID will be showed in others' phone, default is Extension.

Transport: the transplant protocol type for VoIP data package, default is UDP.

| System Status 🛛 🗧 🕹                | PBX Settings / Extensions | New Extension  |  |
|------------------------------------|---------------------------|--|--|
| PBX Settings                       | 2                         | New Extension  |  |
|                                    |                           |  |  |
| •Trunks                            | FXS Extensions :          | General  |  |
| <ul> <li>Inbound Routes</li> </ul> | P. Dofrach                | 3  |  |
| Outbound Routes                    | Reliesh                   | Type - SIP Name - 6000                               |  |
| Feature Codes                      | Port                      | ighter on numer.                                     |  |
| Auto Attendant                     | 1 1                       |  |  |
| +Hunt/Ring Group                   | 2 2                       | Extension: bubu Password: pwbubu Caller ID: bubu     |  |
| Conference                         | 2 2                       |  |  |
| Paging/Intercom                    | VolP Extensions           | Transport: VDP V                                     |  |
| Time Intervals                     |                           |  |  |
| •Queue                             | 2 Create New Extens       | s Voice Mail   |  |
| •DISA                              |                           |  |  |
| •Blacklist                         | Extension                 | Finable Voice Mail Voice Mail Access PIN Code : 6000 |  |
| Options                            | 10 🔽 🚺 🖣 F                |  |  |
|                                    |                           |  |  |

## 2.3 Register onto APBX with your IP phone

| 🕹 ATCOI IP-Phone                         | • Configuration Sy                            | ystem - Lo        | zilla Firefox            |                  |                            |                            |                      | - 7 X |
|--|---|-------------------|--------------------------|------------------|----------------------------|----------------------------|----------------------|-------|
| <u>F</u> ile <u>E</u> dit <u>V</u> iew 1 | fi <u>s</u> tory <u>B</u> ookmarks <u>T</u> o | ools <u>H</u> elp |                          |                  |                            |                            |                      |       |
| ATCOM PBX Configur                       | ation System 🛛 🛛                              | ]ATCOM IP-Ph      | one Configuration Sys… × | +                |                            |                            |                      |       |
| < € 192.168.1.20                         | 2/user.asp                                    |                   |                          |                  | ତ ☆ ⊽ ୯ [                  | oogle ⟨Ctrl+K⟩             | 🔎 🖾 🖛 🖊              | 🏫 🥐 🔻 |
|  | atco  | )m                |                          |                  | AT                         | COMIPPHO<br>Device Configu | DIN E                | ^     |
|  | System Status                                 | *                 | Account / Account 3      |                  |                            |                            | admin                |       |
|  | Network                                       | *                 |                          |                  |                            |                            |                      |       |
|  | Account                                       | *                 | SIP                      |                  |                            |                            |                      |       |
|  | Account 1                                     |                   |                          |                  |                            |                            | 7                    |       |
|  | Account 2<br>Account 3                        |                   | Enable :                 | Yes 💙 Ext        | ension created in APBX     |                            |                      |       |
|  | Account 4                                     |                   | Display Name :           | 6000             | User ID :                  | 6000                       |                      |       |
|  | Phone Settings                                | ≽                 | Authenticate ID :        | 6000 🔺           | Password:                  | ••••••                     | Password set in APBX |       |
|  | Update  | *                 | SIP Server :             | 192.168.1.100    | SIP Port :                 | 5060                       |                      |       |
|  | Phone Book                                    | ♦                 | Lice Outbound Drovau     | No Wo The IP of  | f APBX                     |                            | ±-                   |       |
|  | Call Log                                      | ≽                 | ose outbound Proxy.      |                  |                            |                            | _                    |       |
|  |   |                   | Outbound Proxy Server :  |                  | Outbound Proxy Port :      | 5060                       |                      |       |
|  |   |                   | Register Expires :       | 30               | Subscribe Expires :        | 3600                       |                      |       |
|  |   |                   | Transport Type :         | UDP 🛩            | SIP 100Rel Require :       | No 💌                       |                      |       |
|  |   |                   | Codec Configuration      | Must be the same | e as that in APBX for this | extension                  |                      |       |
|  |   |                   | Prefer Codec :           | G726 💌           | User Prefer Codec Only :   | No 💌                       |                      |       |
|  |   |                   | DTMF Tx Method :         | RFC2833 🛩        |                            |                            |                      |       |
|  |   |                   | Call Feature Setting     |                  |                            |                            |                      |       |
|  |   |                   | Message Waiting          | No ¥             | Default Ring -             | 1 2                        |                      | *     |

ATCOM TECHNOLOGY CO., LIMITED

After successfully register with 6000 and 6001, you can make interior calls among 6000, 6001, 6101(FXS), 6102(FXS) now.

# 3. Create SIP trunk and make outbound/inbound calls to/from VoIP provider

## 3.1 Create SIP trunks

| Go to <b>PBX Sett</b>               | ings ->   | • Trunks, Click          | New SIP Trunk | to a   | dd a new SIP tru       | ınk.                |               |        |
|-------------------------------------|-----------|--------------------------|---------------|--------|------------------------|---------------------|---------------|--------|
| System Status 🛛 🗧 🗧                 | PBX Setti | ngs / Trunks             |               |        |                        |                     | Apply Changes | Logout |
| PBX Settings                        | ٤ (       | New CID Trunk            |               |        |                        |                     | 1             |        |
| •Extensions                         |           | New SIP ITUNK            |               |        |                        |                     | 4             |        |
| •Trunks                             | Analo     |                          |               |        |                        |                     |               |        |
| Inbound Routes     1                | e. n      |                          |               |        |                        |                     |               |        |
| Outbound Routes                     |           | Trunk Name :             | ATCOM         |        | Provider Hostname/IP : | atcomtest.f3322.org | : 5060        |        |
| •Feature Codes                      | Т         |                          |               | _      |                        |                     | _             |        |
| Auto Attendant                      | 1 F       | Account Name :           | 200           |        | Authuser :             | 200                 |               |        |
| <ul> <li>Hunt/Ring Group</li> </ul> | 2 F       | Deserved                 | and           |        |                        |                     |               |        |
| Conference                          |           | Password:                | pwzouj        |        |                        |                     |               |        |
| Paging/Intercom                     | GSM       | Evable Outbound Proves   |               |        |                        |                     |               |        |
| Time Intervals                      |           | Enable Outbound Proxy    |               |        |                        |                     |               |        |
| •Queue                              | 🤹 R       | Outbound Proxy :         |               |        | Outbound Caller ID :   |                     |               |        |
| •DISA                               | T         |                          |               |        |                        |                     |               |        |
| •Blacklist                          | 1 0       | SIP Transport :          | VDP           | $\sim$ |                        |                     |               |        |
| Options                             |           |                          |               |        |                        |                     |               |        |
| •SIP Settings                       | SIP Tr    | Maximum Outbound Calls : | 100           |        |                        |                     |               |        |
| •SMTP Settings                      |           |                          |               |        |                        |                     |               |        |
| •Music On Hold                      | 🚽 🕀 N     | Preferred Code :         |               |        |                        |                     |               |        |
| Custom Prompts     Language         | 2 F       | First: a-law 🗸           | Second :      | u-law  | ~                      | Third : GSM         | ~             |        |
| Network Settings 🛛 🗧                | *         | Fourth : G729 🗸 🗸        | Fifth :       | None   | ~                      | Sixth : None        | $\sim$        |        |
| System Settings 🛛 🗧 🗧               | 4         | Advance Configuration    |               |        |                        |                     |               |        |
| Reports V                           | Servi     |                          | 3             |        | 🕞 🖬 Save 🦳 🌈 Cance     | el                  |               |        |

Trunk Name: A unique label to help you identify the trunk.

Provider Hostname/IP: Hostname or IP of your VoIP provider, default port is 5060

Account Name: The username that your service provider configured

Authuser: The username that your service provider configured for authentication, generally, it's same as Account Name.

Password: The password configured for the user in your service provider side.

## 3.2 Make outbound calls

Go to **PBX Settings** -> **Outbound Routes**, click to add an outbound route.

Outbound Route Name: A unique label to help you identify the outbound route.

**Dial Pattern**: A filter for marching numbers you dial, the call will be forwarded out via Selected Trunks only when it matches the dial pattern here. In patterns, some characters have special meanings.

X means Any Digits from 0-9

Z means Any Digits from 1-9

**N** means Any Digits from 2-9

[1234-9] means Any Digits in the brackets (in this example, 1, 2, 3, 4, 5, 6, 7, 8, 9)

. means one or more digits

! will match none remaining digits, and causes the matching process to complete as soon as it can be determined that no other matches are possible.

For example: Once set Dial Pattern: 2XX Strip: 0, that means any calls to 200-299 will be forwarded out. Please do not simply set it to X., otherwise all telephone numbers with 2 or 2+ digits will be matched, this outbound route probably affect your interior calls, unless your local extensions is just a single figure.

**Strip**: The number of digits that will be stripped from the front of the dialing string before the call is placed via Selected Trunks. See example in Part 4.

**Prepend these digits:** Allows the user to specify digits that are prepended before the call is placed via the trunk. See example in Part 4.

Password: Authentication for Selected Extensions before dialing out.

**Outbound Extension Selection**: Select extensions which can dial out with this outbound route. In my case, only 6000 and 6001 can dial out with this trunk.

Outbound Trunk Selection: Select trunks which calls are forwarded out through.

| System Status 🛛 🛛 😽  | PBX Settings | Outbound Routes  | Apply Changes Lo |
|--|--------------|--|------------------|
| PBX Settings 🛛 🔗   |              | Add Outbound Route   | / 🛛              |
| •Extensions<br>•Trunks<br>•Inbound Routes  | Outbound     | Outbound Route Name : ATCOM  | 4                |
| Outbound Routes     Feature Codes     Auto Attendant                             | 2 Route      | This place will be replaced  |                  |
| +Hunt/Ring Group 1   |              | Dial Pattern : 2XX Strip digits from                                     | n front          |
| Paging/Intercom     Time Intervals   |              | Prepend these digits : before dialing                                    |                  |
| •Queue   |              | Password:  |                  |
| Blacklist<br>Options   |              | Outbound Extension Selection   |                  |
| •SIP Settings  |              | Available Extensions Selected Extensions                                 |                  |
| SMTP Settings     Music On Hold     Custom Prompts     Language Network Settings |              | 6002<br>6101 (fxs1)<br>6102 (fxs2) → ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← |                  |
| System Settings  |              | Outhound Trunk Selection   |                  |
| Reports 🛛 🕹  |              | Available Trunks Selected Trunks   |                  |
|  |              | FX03<br>FX04<br>GSM5   | <u>~</u>         |
|  |              | 3 🖉 🖬 Save 🖉 🌈 Cancel  |                  |

#### 3.3 Make inbound calls

Go to **PBX Settings** -> **Inbound Routes**, click

to add an inbound route.

**Caller ID:** Define the Caller ID number to be matched on incoming calls. Leave this field blank to match any or no CID info. Special characters described in chapter 3.2 can be used here as same.

**DID number:** Define the expected DID number if your trunk passes DID on incoming calls. Leave this blank to match calls with any no DID info. Special characters described in chapter 3.2 can be used here as same.



**Extension:** Define the extension for DID number. This field is only valid when you use SIP trunk for this inbound router. You can only input number and '-' in this field, and the format can be XXX or XXX-XXX. The count of the number must be only one or equal the count of the DID number. Up to 100 DID numbers can be set.

For example: Set DID number: 6000-6010, Extension: 6000, All inbound calls to 6000-6010 will be forwarded to extension 6000. Set DID number: 6000-6010, Extension: 6000-6010, inbound calls to 6000-6010 will be forwarded to corresponding extension.

| System Status 🛛 🕹    | PBX Settings / | Add Inbound Route                                   | 🛛 hanges Logout |
|----------------------|----------------|---|-----------------|
| PBX Settings         |                |   |                 |
| •Extensions          |                | General   | 14              |
| •Trunks              | Inbound F      |   |                 |
| Inbound Routes 1     | 🛋 Add          | Inbound Route Name : ATCOM Caller ID :              |                 |
| Outbound Routes      | 500 AUG        |   |                 |
| Feature Codes        | Route          | DID Number : Extension :                            |                 |
| Auto Attendant       | 2              |   |                 |
| •Hunt/Ring Group     |                | Inhound Trunk Colortion                             |                 |
| Conference           |                |   |                 |
| Paging/Intercom      |                | Available Trunks Selected Trunks                    |                 |
| •Time Intervals      |                | FX03 ATCOM  |                 |
| •Queue               |                | FX04  |                 |
| •DISA                |                | CSMO 4  |                 |
| *Blacklist           |                |   |                 |
| •Options             |                |   |                 |
| -OF Settings         |                | Time  |                 |
| •Music On Hold       |                | lime  |                 |
| Custom Promots       |                | Time Interval :                                     |                 |
| •Language            |                |   |                 |
| Network Settings 🛛 🕹 |                | Path  |                 |
| System Settings 🛛 🕹  |                | Destination Type : Extension 🗸 Destination : 6000 🗸 |                 |
| Reports 🛛 🕹          |                | 3 🖉 🔚 Save 🛛 🥟 Cancel                               |                 |
|                      |                |   |                 |

# 4. Make outbound/inbound calls to/from PSTN/GSM network

GSM module is a special FXO module, and can be installed and used in the same way. However GSM trunk is only supported by IP2G4A/IP4G.

## 4.1 Make sure FXO/GSM modules are installed

If there are FXO/GSM modules installed in your APBX, APBX configures analog trunk/GSM trunk automatically when they are detected.



Before using them, please make sure GSM SIM card has been inserted and registered, or FXO port is connected with PSTN line. The connection status can be checked in **System Status** -> **Trunk Status** 

|   | a | tcó      | m                    |            |              |                  |         |
|---|---|----------|----------------------|------------|--------------|------------------|---------|
| System Status                                 | * | System S | Status / Trunk Statu | s          |              |                  | Logout  |
| General     Trunk Status     Extension Status |   | Truni    | k Status             |            |              |                  |         |
| PBX Settings                                  | ≷ | 1        | Гуре                 | Trunk Name | Status       | Port/HostName/IP | Refresh |
| Network Settings                              | ≷ | 1 (      | GSM                  | GSM5       | Success 👞    | PORT5            |         |
| System Settings                               | ♦ | 2 F      | FXO                  | FXO3       | InService    | PORT3            |         |
| Reports                                       | ≈ | 3 F      | FXO                  | FXO4       | Disconnected | PORT4            |         |

## 4.2 Make outbound calls

Go to **PBX Settings** -> **Outbound Routes**, click

Outbound Route Name: A unique label to help you identify the outbound route.

**Dial Pattern**: A filter for marching numbers you dial, the call will be forwarded out via Selected Trunks only when it matches the dial pattern here. In patterns, some characters have special meanings.

to add an outbound route.

 ${\bf X}$  means Any Digits from 0-9

Z means Any Digits from 1-9

N means Any Digits from 2-9

[1234-9] means Any Digits in the brackets (in this example, 1, 2, 3, 4, 5, 6, 7, 8, 9)

. means one or more digits

Strip: The number of digits that will be stripped from the front of the dialing string before the call is placed via Selected Trunks.

For example: I set Dial Pattern: 9. Strip: 1, which means any numbers begin with 9 and include at least 2 digits will be forwarded out, and 9 will be stripped before dialing out. If I want to dial PSTN number 1234567, I need to dial 91234567.

Prepend these digits: Allows the user to specify digits that are prepended before the call is placed via the trunk. 9 ATCOM TECHNOLOGY CO., LIMITED





For example: If set Dial Pattern: 9, Strip: 1, Prepend 123, user need to dial 94567 to dial PSTN number 1234567

Password: Authentication for Selected Extensions before dialing out.

**Outbound Extension Selection**: Select extensions which can dial out with this outbound route. In my case, only 6000 and 6001 can prefix 9 to dial out.

**Outbound Trunk Selection:** Select trunks which calls are forwarded out through. In my case, the call will be forwarded out via analog trunk FXO3 first, if failed, will try FXO4.

| System Status 🛛 💝     | PBX Settings / Our | tbound Routes                               | Apply Changes Logou |
|-----------------------|--------------------|---|---------------------|
| PBX Settings 🔗        |                    |   | 4                   |
| •Extensions           |                    | Add Outbound Route                          |                     |
| •Trunks               | Outbound F         | General                                     | <u>^</u>            |
| Inbound Routes        |                    |   |                     |
| Outbound Routes       | 🕀 Add              | Outbound Route Name : PSTN                  |                     |
| •Feature Codes        | 2 Route Na         |   |                     |
| Auto Attendant        |                    | This place will be replaced                 |                     |
| •Hunt/Ring Group      |                    |   |                     |
| Conference            |                    | Dial Pattern : 9. Strip 1 digits from front |                     |
| Paging/Intercom       |                    |   |                     |
| •Time Intervals       |                    | Prepend these digits : before dialing       |                     |
| •Queue                |                    | · · · · · · · · · · · · · · · · · · ·       |                     |
| •DISA                 |                    | Password:                                   |                     |
| •Blacklist            |                    |   |                     |
| Options               |                    | Outhound Extension Selection                |                     |
| •SIP Settings         |                    | Culbound Extension Selection                |                     |
| •SMTP Settings        |                    | Available Extensions Selected Extensions    |                     |
| •Music On Hold        |                    | 6002 6000                                   |                     |
| +Custom Prompts       |                    | 6101 (fxs1)<br>6102 (fxs2)                  |                     |
| •Language             |                    | (1)2(1X32)                                  |                     |
| Network Settings 🛛 🕹  |                    |   |                     |
| System Settings 🛛 🛛 😽 |                    |   |                     |
| Reports 🛛 🕹           |                    | Outbound Trunk Selection                    |                     |
|                       |                    | Available Trunks Selected Trunks            |                     |
|                       |                    | GSM5  |                     |
|                       |                    | 3 🔪 🔚 Save 🔗 Cancel                         | ~                   |

#### 4.3 Make inbound calls

Go to **PBX Settings** -> **Inbound Routes**, click Add to add an inbound route. Just setting Selected Trunks and Path is OK.



| System Status 🛛 🕹                  | PBX Settings / Inbound Rou | ıtes  | Apply Changes | Logout |
|------------------------------------|----------------------------|---|---------------|--------|
| PBX Settings                       |                            | Add Inbound Route 4                                 |               |        |
| •Trunks                            | Inbound Routes :           | Ceneral   | ^             |        |
| •Outbound Routes                   | Add                        |   | _             |        |
| Auto Attendant                     | 2                          | Inbound Route Name : PSTN Caller ID :               |               |        |
| Hunt/Ring Group     Conference     |                            | DID Number : Extension :                            |               |        |
| Paging/Intercom     Time Intervals |                            | Inbound Trunk Selection                             |               |        |
| •Queue<br>•DISA                    |                            | Available Trunks Selected Trunks                    |               |        |
| Blacklist     Options              |                            | → FX04  |               |        |
| •SIP Settings                      |                            | + <<  |               |        |
| •Music On Hold                     |                            |   | ~             |        |
| Language                           |                            | Time  |               |        |
| Network Settings 🛛 🕹               |                            |   |               |        |
| Reports V                          |                            | Path  |               |        |
|                                    |                            | Destination Type : Extension V Destination : 6000 V | ~             |        |