



## ATCOM TECHNOLOGY CO.,LTD

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## **ATCOM XML Remote Phonebook Intro**

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# Contact ATCOM

## Overview of ATCOM

ATCOM is the leading VoIP hardware manufacturer in global market. We have been keeping innovating with customer's needs oriented , working with partners to establish a total solution for SMB VoIP with IP phone , IP PBX and Asterisk cards

With over 10 years' experience of R&D , manufacturing and service in network and VoIP filed ; mission of creating the biggest value for IP terminals , we commit ourselves in supplying the competitive IP phone and other terminals for IP PBX , softswitch , IMS , NGN providers and carriers; supplying the competitive total VoIP solution for SMB market. We keep improving the customer's experience and creating the bigger value with our reliable products. Until now, our VoIP products have been available in 100+ countries and used by millions of end users.

## Contact Sales

Address	Area C, A2F , Block 3 ,Huangguan Technology Park , #21 Tairan 9th Rd, Chegongmiao , Futian District , Shenzhen China
Tel	+ (86) 755-83018618-8806
Fax	+ (86) 755-83018319
E-mail	<a href="mailto:sales@atcomemail.com">sales@atcomemail.com</a>

## Contact Technical Support

Tel	+ (86) 755-83018618-8001
E-mail	<a href="mailto:Support@atcomemail.com">Support@atcomemail.com</a>

**Website Address:** <http://www.atcom.cn/>

**Download Center:** <http://www.atcom.cn/download.html>



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# 1. Introduction

## a) Xml Remote Phonebook Summary

Xml Remote phonebook is a network phonebook xml format. The realization way of it is the user putting a Xml Remote phone book on server, and the URL address of the server is configured on the webpage of telephone network phone book. Then, the format of the XML phone book files are downloaded to the phone began to use.

## b) Target Audience

This document is used to test the xml remote phone book function of internal staff and customers.

# 2. Remote Phonebook Format

## a) Single remote phonebook format

The single remote phone book is all the information is displayed in a group, no classification. The blue print head and tail are fixed format, cannot change them.

For example, XML below for a complete XML network phonebook information (continuously write multiple contacts) (including the name of the contact person, telephone)

```
<?xml version="1.0" encoding="UTF-8"?>
<AtcomIPPhoneDirectory>
  <Title>phone book</Title>
  <Prompt>1</Prompt>
  <DirectoryEntry>
    <Name>testname1</Name>
    <Telephone>5001</Telephone>
    <Telephone>1345221999</Telephone>
    <Telephone>0775223</Telephone>
  </DirectoryEntry>
  <DirectoryEntry>
    <Name>testname2</Name>
    <Telephone>5002</Telephone>
    <Telephone>1357997</Telephone>
    <Telephone>07756699</Telephone>
  </DirectoryEntry>
</AtcomIPPhoneDirectory>
```

Analysis:

1. `<?xml version="1.0" encoding="UTF-8"?>`

It means the head of the XML, there must be, Atcom telephone support UTF-8 coding format.

2. `<AtcomIPPhoneDirectory>`      `//xxxIPPhoneDirectory>`

It means the phonebook to read directory node head and tail, a beginning end, in the middle of each connect directory.

3. `<Title>phone book</Title>`   `<Prompt>1</Prompt>` is optional

4. `<DirectoryEntry>`   `</DirectoryEntry>`

It means a contact directory node head and tail, a file head, tail must matched, the intermediate fill in the connect information.

### 3. Remote Phonebook Server Architecture

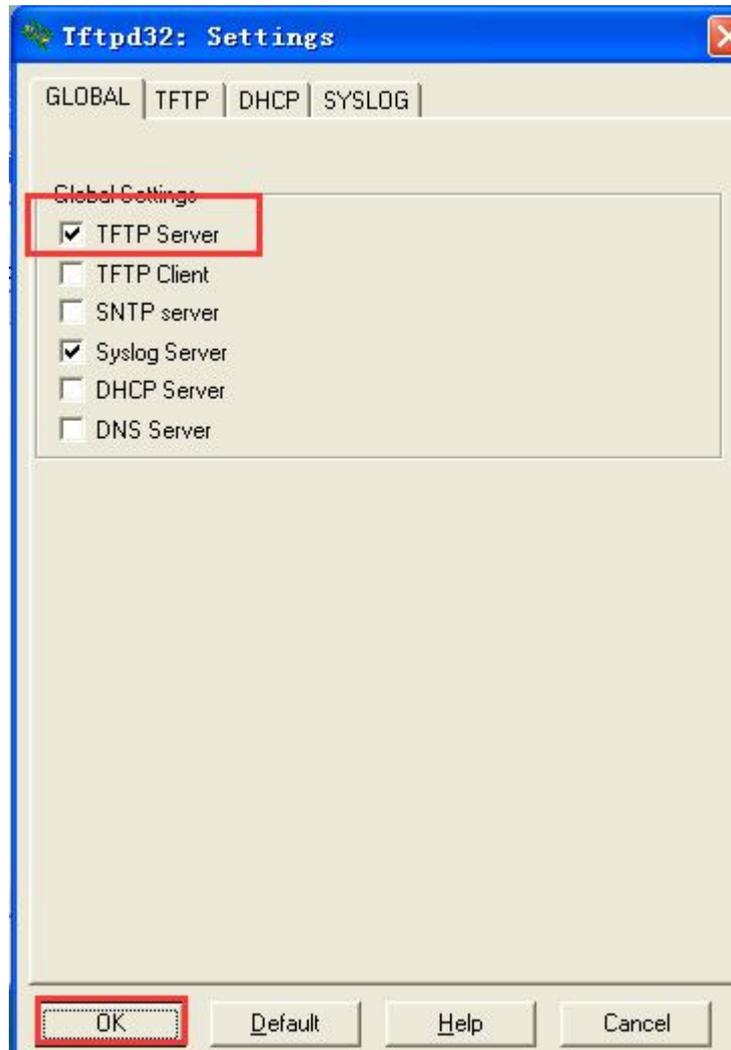
Atcom IP phone support using the FTP, TFTP, HTTP and HTTPS protocols to download the remote phonebook.

TFTP server is used by default. You can use any protocol for provisioning. The following section takes the TFTP server as an example.

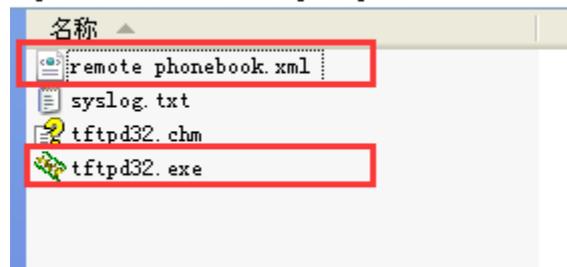
We recommend that user can use TFTP32 or 3CDaemon tool as a TFTP server. Tftpd32 is free applications for Windows. Customer can download the TFTP32 at: <http://tftpd32.jounin.net/>

#### a) Preparing a Root Directory

1. Create a root TFTP directory on the local computer
2. Place the configure file to this directory
3. Set the security permissions for the TFTP directory folder.
4. Run the tool.



ings\Administrator\desktop\tftpd32



## 4. IP Phone Remote Phonebook Configuration

### 1. Atcom R1 and R2 IP phone

#### a). Setting in the webpage

Please login to the webpage and go to ‘Phonebook- Remote Phone Book’.

Please check as following screenshot,

Analysis:

##### 1. URL , Display name

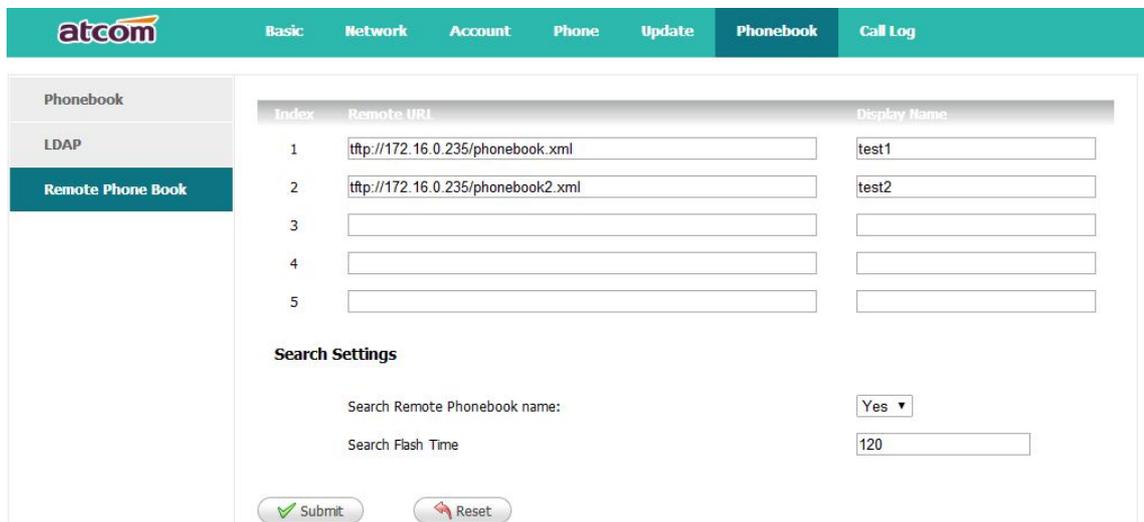
It could configure 5 remote phonebook at most, if you need it, please input the server URL and display name.

##### 2. Search Settings

Search Remote Phonebook name: the setting is default enable,

Search Flash Time: the default time is 120s.

When provisioning time arrive 120s, it could be search the configuration phonebook file again.



Index	Remote URL	Display Name
1	<input type="text" value="tftp://172.16.0.235/phonebook.xml"/>	<input type="text" value="test1"/>
2	<input type="text" value="tftp://172.16.0.235/phonebook2.xml"/>	<input type="text" value="test2"/>
3	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>

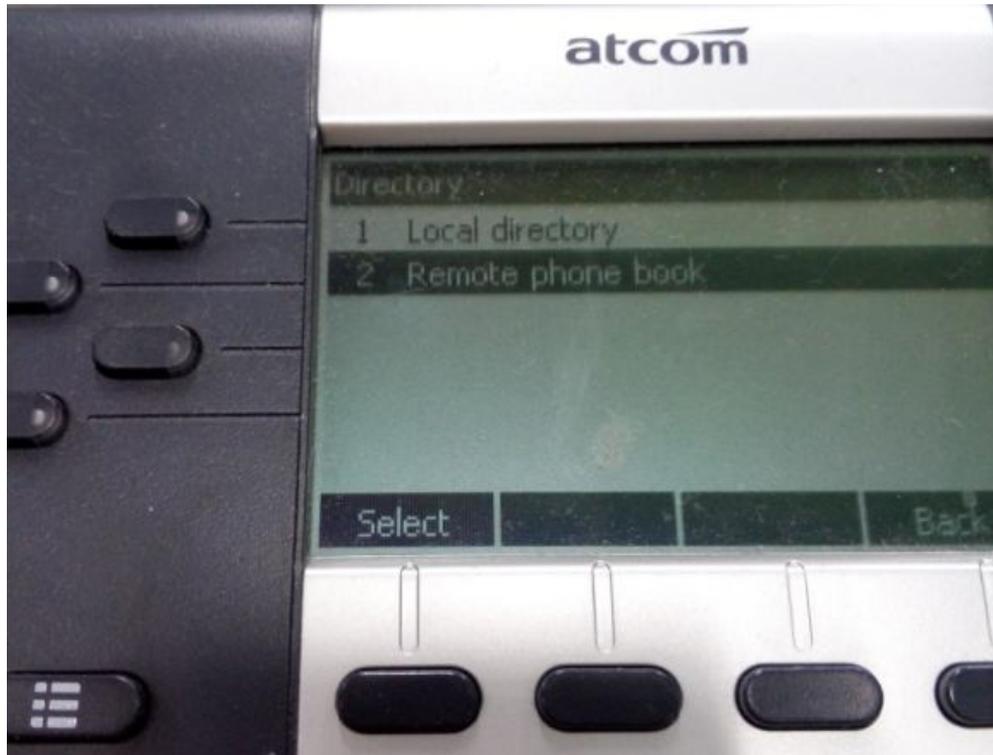
**Search Settings**

Search Remote Phonebook name:

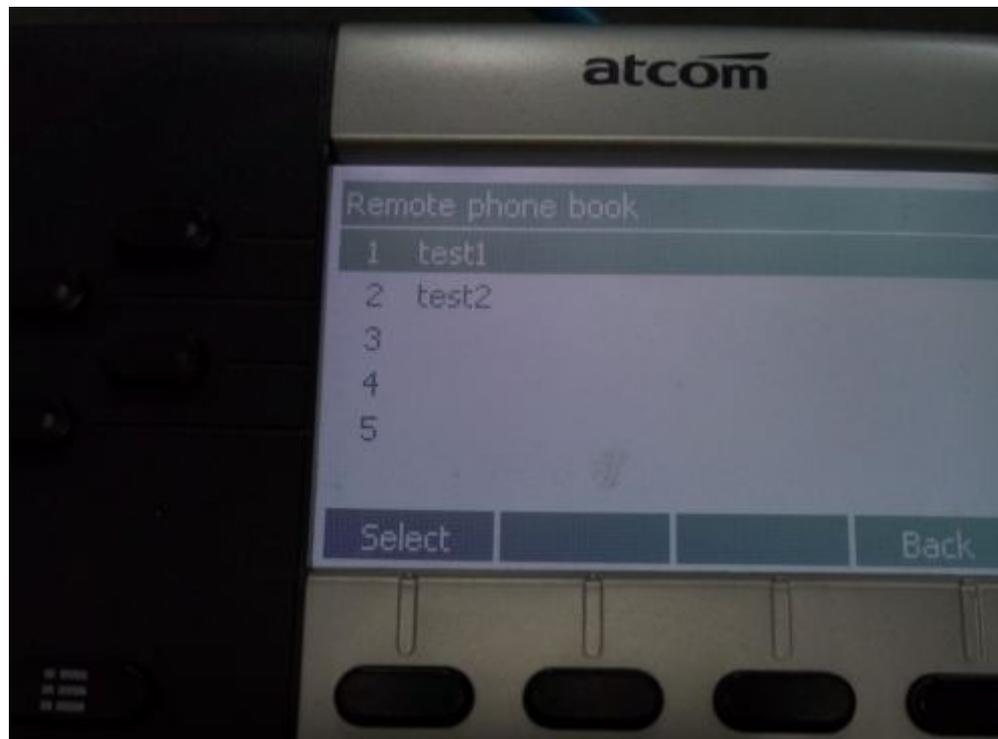
Search Flash Time:

#### b). Used in the phone

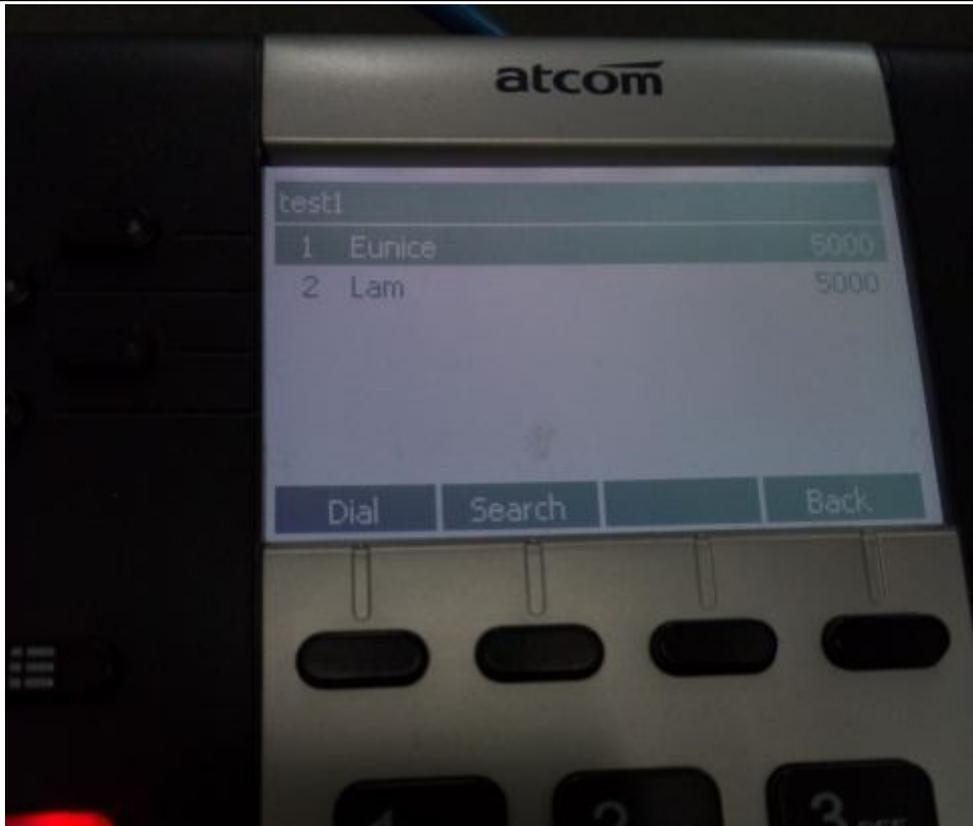
Please press ‘Directory’, there would be a ‘Remote phone book’ module after configure in the webpage. Please check as following photo.



1. Choose the 'Select' button , go to the Remote phone book interface.



2. It could be appear the remote phone book name and 'Select' the one.



3. Then you can check the contacts, choose dial the number, or search the name and account.

## 2. Atcom R3 and R4 IP phone

### a). Setting in the webpage

Please login to the webpage and go to 'Contacts- Remote phone Book'.

Please check as following screenshot,

Analysis:

#### 1.URL , Display name

It could configuration 5 remote phonebook at most, if you need it, please input the server URL and display name.

#### 2.Search Settings

Search Remote Phonebook name: the setting is default enable,

Search Flash Time: the default time is 120s.

When provisioning time arrive 120s, it could be search the configuration phonebook file again.

	Basic	Account	Network	DSS Key	Phone	<b>Contacts</b>
--	-------	---------	---------	---------	-------	-----------------

<b>Contacts</b>	<b>Index</b>	<b>Remote URL</b>	<b>Display Name</b>
<b>Remote Phone Book</b>	1	http://172.16.0.235/phonebook.xml	test1
<b>LDAP</b>	2	http://172.16.0.235/phonebook2.xml	test2
<b>Phone Call Info</b>	3		
	4		
	5		

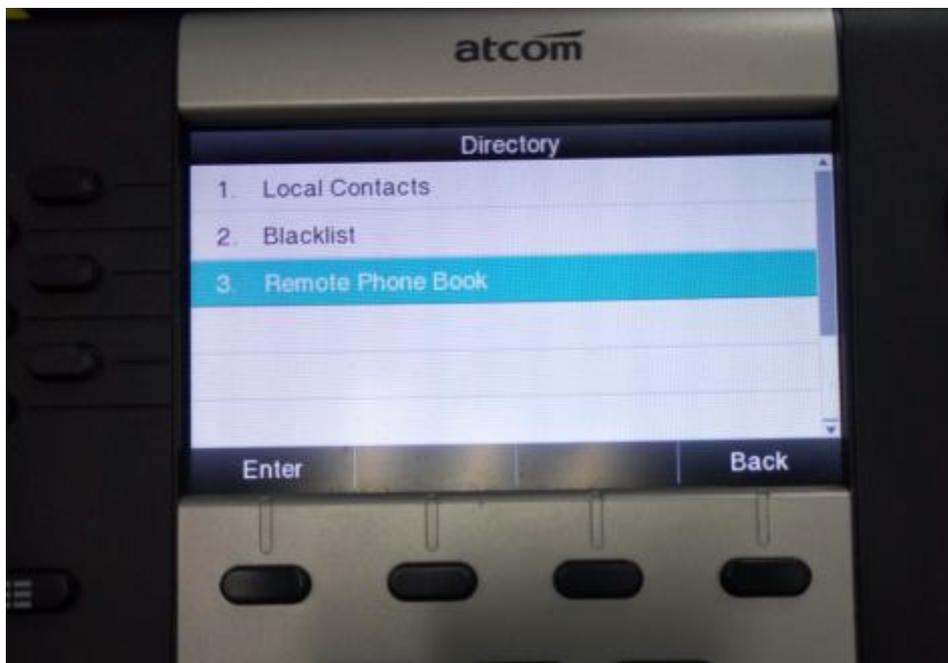
  

<b>Search Settings</b>	
Search Remote Phonebook name	Enable ▾
Search Flash Time	120

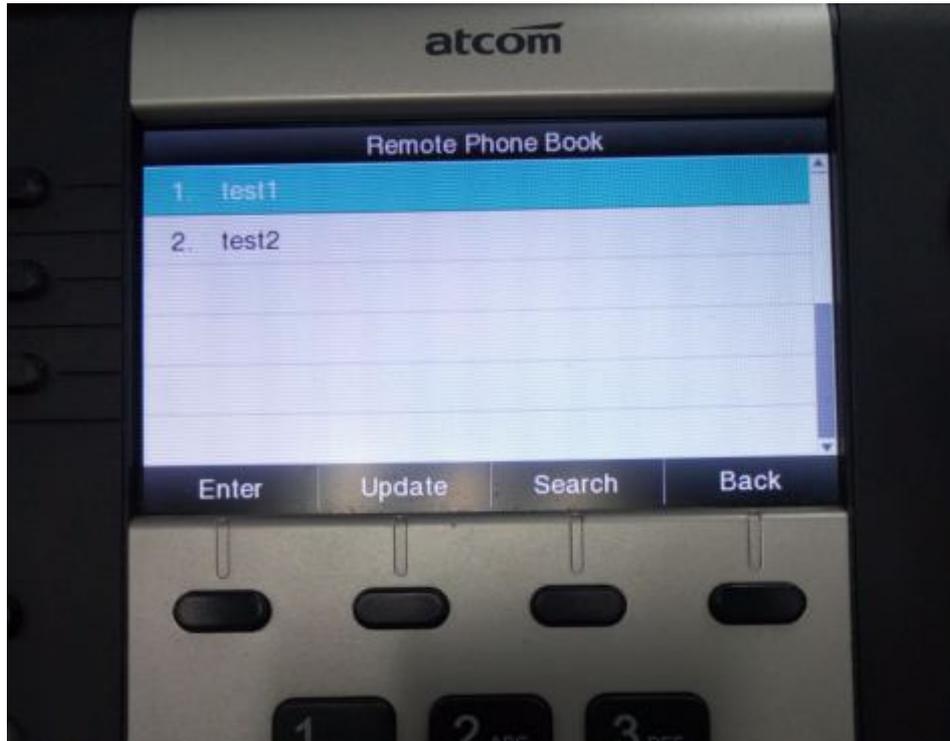
Confirm Cancel

## b). Used in the phone

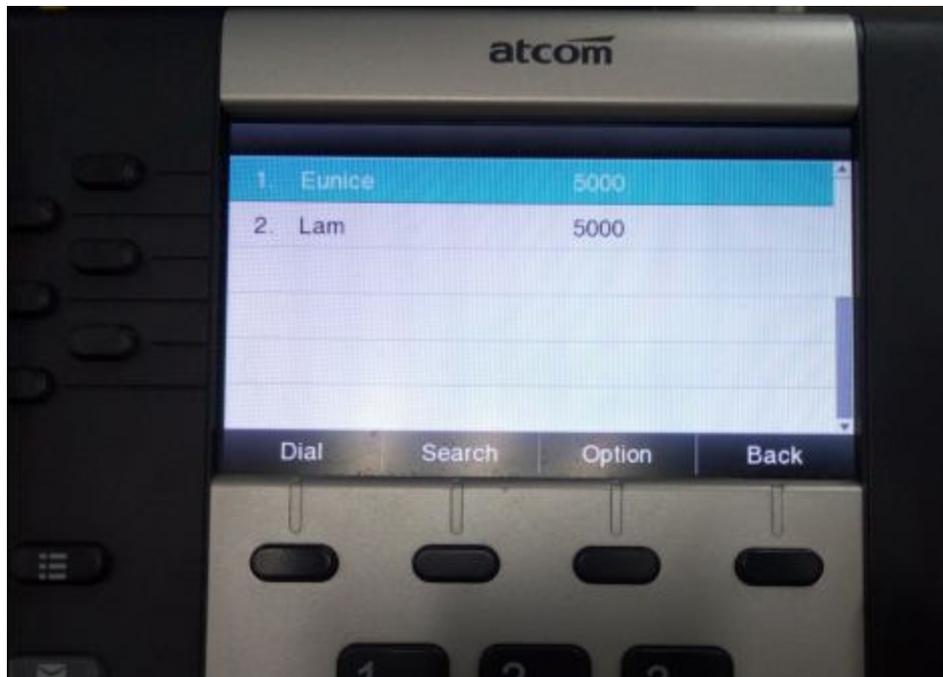
Please press 'Directory', there would be a 'Remote phone book' module after configure in the webpage. Please check as following photo.



1. Choose the 'Select' button , go to the Remote phone book interface.



2. It could be appear the remote phone book name and 'Select' the one.



3. Then you can check the contacts, choose dial the number, or search the name and account.