



Net-Phone IAX Quick Setup Guide

Revision 1.0 for Net-PBX version 2.0

For latest version please go to www.net-voice.net/documentation.php

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Approved Phones

Net-Voice has tested and approved the Net-Phone IAX for use with Net-PBX. This document describes the set up of this phone.

1. Physical setup

This section describes how to set up the Net-Phone IAX.

- Connect the handset to the base unit using the coiled cable.
- Connect the base unit to the network using either the supplied cable or any standard Ethernet cable.
- Plug the power adapter into the mains and the phone.

This should result in the phone's display lighting up.

2. Configuration

The following section describes how to configure your new phone.

2.1. Finding the IP address

- Once the phone has booted it will obtain an IP address using DHCP.
- Pressing the 'Local IP' button will display the current IP address and it will be announced.
- For the purposes of this guide, the IP address of the phone is 192.168.2.183

2.2. Accessing the Web interface

From a web browser on a computer on the same network (e.g. 192.168.2.183 above) type the IP address of the phone into the address bar.

This should take you to the following screen:



Enter the 'Password' (the default is '1234') then click on the 'Login' button or press enter.

2.3. Configuration for the Net-PBX

The following screen will be presented once you have logged into the phone:

Network Settings					
iptype	dhcp	ppp id		ppp pin	
local ip	192.168.2.183	subnet mask	255.255.255.0	router ip	192.168.2.1
dns	212.38.95.2	dns2	206.246.91.2	mac	00-09-45-40-e1-be
vlan	<input type="checkbox"/>	vlan id	0		
Audio Settings					
codec1	iLBC	codec2	gsm	codec3	g711u
codec4	g711a	codec5	null	codec6	null
vad	<input type="checkbox"/>	agc	<input type="checkbox"/>	aec	<input type="checkbox"/>
audio frames	2	g.723.1 high rate	<input checked="" type="checkbox"/>	ilbc payload	97
jitter size	0	handset in(0-15)	7	handset out(0-31)	20
ring type	dtmf	speaker in(0-15)	4	speaker out(0-31)	20
Dial Plan Settings					
use dialplan	disable	dial number		ddd code	10
idd code	86	idd prefix	00	ddd prefix	0
inner line	disable	inner line prefix	0	call waiting	<input type="checkbox"/>
forward number	82378009	fwd poweroff	<input type="checkbox"/>	fwd noanswer	<input type="checkbox"/>
fwd always	<input type="checkbox"/>	fwd busy	<input type="checkbox"/>	answer	30
use digitmap	<input type="checkbox"/>				
IAX2 Protocol Settings					
use service	<input checked="" type="checkbox"/>	service addr	213.210.21.187	register ttl	1200
phone number	455	account	remote455	pin	
local port	4569	dtmf	outband signal	tos	0
remote dialplan	<input type="checkbox"/>	super password		debug	no check
Other Settings					
password		upgrade type	disable	upgrade addr	
sntp ip	0.0.0.0	use daylight	<input checked="" type="checkbox"/>		
timezone	(GMT)Dublin,Edinburgh,London,Lisbon				

Buttons: Save Settings, Address Book, Upgrade Firmware

The following fields will need to be updated:

- **Audio Settings** – These should be set as follows: codec1 'iLBC', codec2 'gsm', codec3 'g711u', codec4 'g711a'; codec5 and 6 should be set to 'null'.
- **Dial Plan Settings** – ensure that 'use dialplan' is set to 'disabled'.

2.3.1. IAX2 Protocol Settings

- **use service** – check this box.
- **service Addr** – set this as the external IP address of the Net-PBX: ask your network administrator for details.
- **register ttl** – set to '1200'
- **phone number** – set to the telephone number for this user
- **account** – set to 'remote' followed by the telephone number above
- **pin** – set as the account's password as defined in the user accounts page of the Net-PBX
- **local port** – set to '4569'
- **dtmf** – set to 'outband signal'
- **tos** – set to '0'
- **remote dialplan** – leave unchecked
- **super password** – leave as default
- **debug** – set to 'no check'

2.4. Apply Changes

Once you have completed the updates, go to the bottom of the page and click on the 'Save Settings' button. This will power cycle your phone and apply the changes you have made. You will see a Web screen displaying an 'Update Successful' message.