



Voice Over Your Palm 1.0 User Documentation

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www.toysoft.ca

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1. Introduction

Voice Over Your Palm (abbreviated as VOYP) is a communications application that uses voice over internet protocol (abbreviated as VOIP) technology for free*/low cost internet calls using your palmtop. VOYP gives you the freedom of choice for VOIP provider to conveniently call from your palmtop. VOYP is a standards compliant client and provides you with a choice of codec like G.711 u-law and GSM 6.10** allowing you to select the one that suits your bandwidth. VOYP is also compatible with other applications like TAKEphONE allowing you to dial a selected number directly using VOYP.

2. System Requirement

- PalmOS® OS 5.0 and higher
- 130K of free memory
- Headset to eliminate noise disturbances.

2.1 Compatibility

- PalmOne® E2***, T3, T5, TX***, LifeDrive, Zire 71/Z72
- Treo® 650/700P
- Operates over side range of networks including WiFi, Bluetooth, EVDO**** and GPRS*****
- 128kbps for G.711 u-law codec*****
- 26.4kbps for GSM codec*****

* Some providers allow free calls within their network, check with the VOIP provider for details

** GSM 6.10 codec is supported by only a few VOIP providers, check with the VOIP provider for details

*** Device does not come with a built in microphone, requires an external microphone

**** EVDO requires Revision B for high speed up/down and duplex data transfer

***** Support for NAT traversal from your service provider is required, not all providers support this

***** Transfer rate excluding headers size

3. Installation

You will need to install the VOYP.prc to main memory and then press the HotSync® button on the cradle. The HotSync® manager will install the file to your Palm.

4. Launching VOYP

To launch VOYP look for the icon  in the Launcher and tap on it.

4.1 Registering VOYP

After you have purchased VOYP you will need to send your 12 digit Device ID to support@toysoft.ca for your registration code. When you received your 12 digit registration code enter it in the screen to unlock VOYP.

Registration

Purchase VOYP at www.toysoft.ca

Use the following details during registration

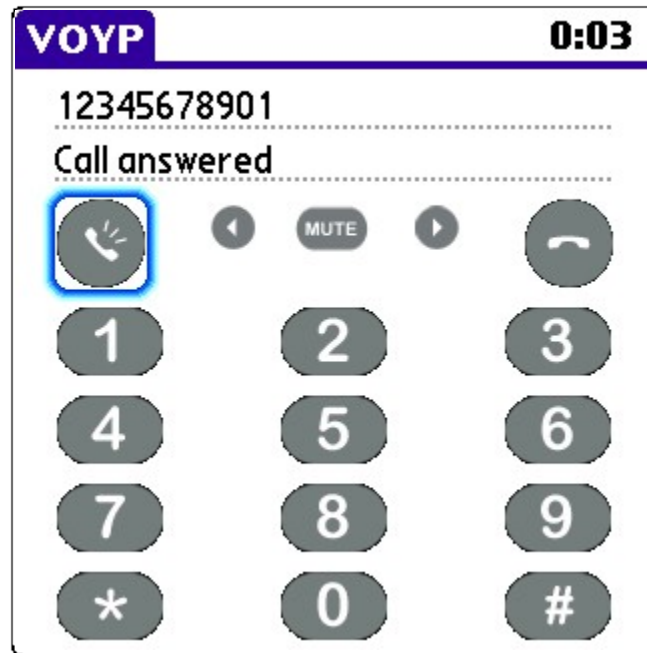
Device Key:
P1uJ9NHUWLWK.....

Validation Key:

Register

Cancel

5. User Interface



Buttons	Descriptions
Numeric keypad	These buttons are used to enter a number and during call they act as touch tones.
Call	Calls a number entered in the number field
Hang up	Hangs up an active call
Volume and Mute buttons	They control the output volume and mute speaker

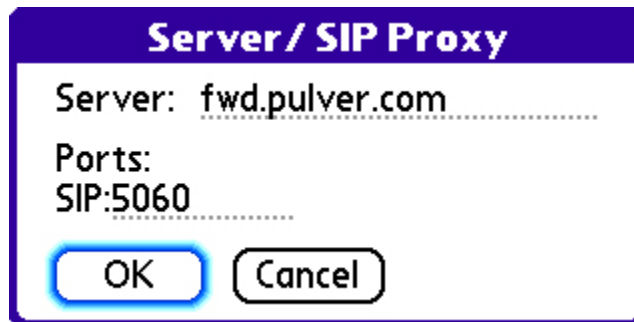
Fields	Descriptions
Number Field	This field displays the callee number/id
Status Field	Status and error messages are displayed here
Call timer Field	This field displays the duration of an active call

5.1 Configuring with a VOIP provider

Configuring VOYP with details of VOIP provider server, account information and registering with the server are required before we make any calls.

5.1.1 Server/ SIP proxy Details

To make a call it is required to register with a VOIP provider. During first launch of VOYP you are prompted to fill the details of the VOIP provider. It can also be accessed from Options menu – Server. Enter the server address, port as required by your VOIP provider (consult your VOIP provider for these details). Section 7 lists some common VOIP providers' details.



Server / SIP Proxy

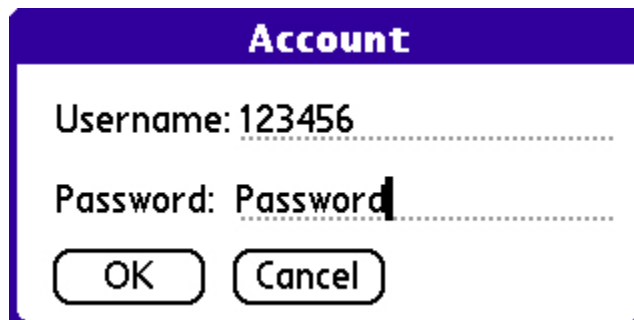
Server: fwd.pulver.com

Ports: SIP:5060

OK Cancel

5.1.2 Account Details

After completing server configuration, you are required to configure the account details. Fill in the account username and password as required by your VOIP provider (Many providers require you to enter your number as username – consult with your VOIP provider for details)



Account

Username: 123456

Password: Password

OK Cancel

5.1.3 Registering with a VOIP provider

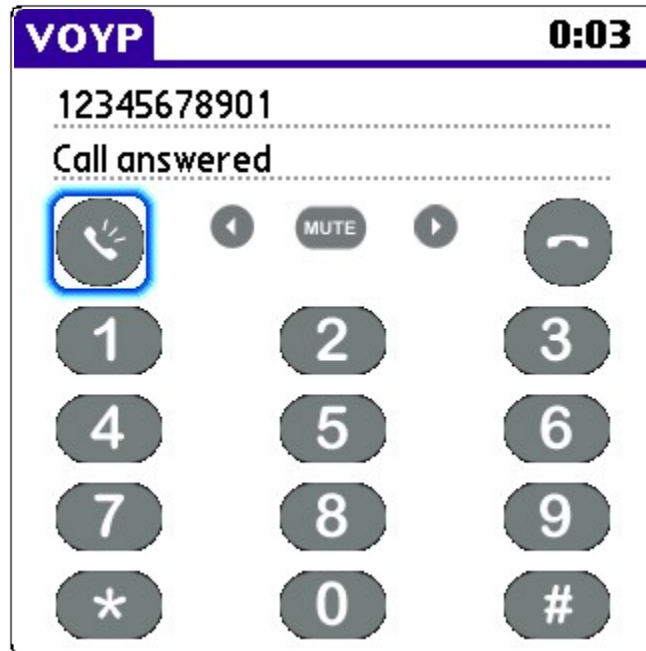
After configuring this information, you will see status messages in the Status field when VOYP attempts to register you with your VOIP providers. When you see 'Registered' message you are ready to make calls. VOYP registers with the VOIP provider automatically on next launches.



5.2 Calling using VOYP

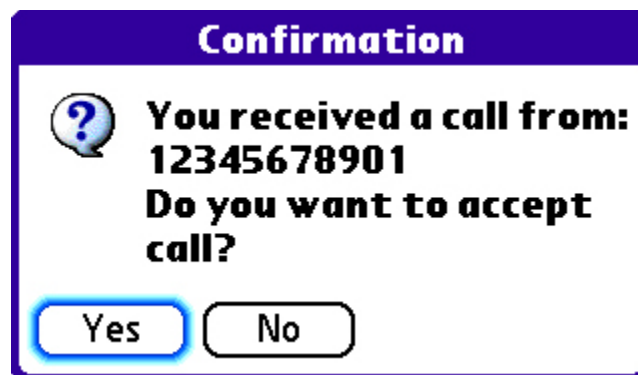
When you see 'Registered' status message, you can place calls using VOYP. To call a PSTN number, enter the number in number field without any dashes, hit call button. To call other VOIP users enter callee details as required by your VOIP provider. On successful call connection you will see 'Call Answered' status message and voice heard from the speakers. Using headphones you can eliminate noise disturbances.





5.3 Accepting calls using VOYP

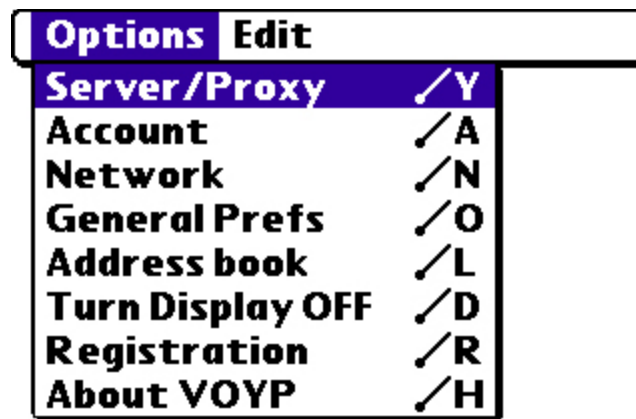
To accept calls, you are required to run VOYP actively. When you receive any call, an incoming call alert is displayed where you can accept the call or reject it. On accepting the call, you will see 'Answering Call' status message in the status field.



6. Options

The options menu has the following menu options:

Menu Options	Descriptions
Server/ SIP Proxy	Configure VOIP provider server details
Account	Configure VOIP account details
Network	Network details like IP addresses
General Prefs	General user preferences
Address book	To lookup a number from your contacts/phone book
Turn Display Off	Turns Off display to save battery power (useful for Tungsten, LifeDrive and Zire devices)
Registration	Registration details for VOYP
About VOYP	About VOYP



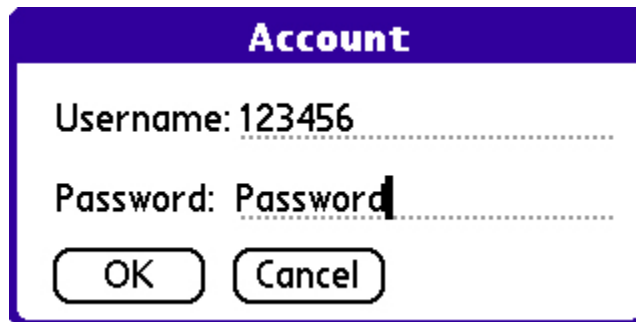
6.1 Server/ SIP Proxy

You can configure the VOIP provider's server details. Changing the server will take user to accounts configuration also. You can refer your VOIP provider for exact server details required or refer section 7 for details of some common servers.



6.2 Account

You can configure your VOIP account and password details here. On completion, VOYP will attempt to register with the VOIP provider using the new details. 'Registered' status message in status field indicates VOYP was successful in registering with the provided details else any error returned will be displayed in the status field.



Account

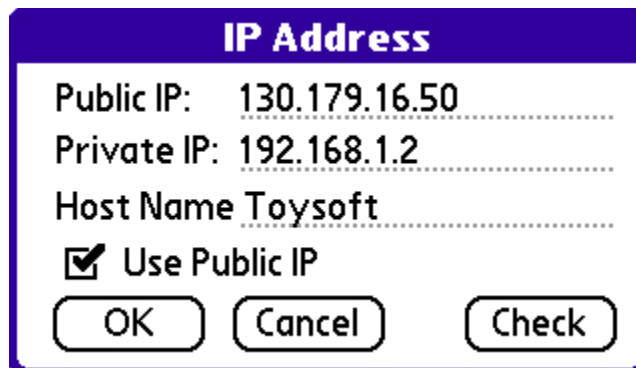
Username: 123456

Password: Password

OK Cancel

6.3 Network

Network details can be accessed from this menu option. Displayed are the detected public IP address, private IP address and hostname. Default selection is to use Public IP with the VOIP server. You can disable the check box to use private IP if you want to make calls only within your LAN or when your detected public IP is not usable with your VOIP provider.



IP Address

Public IP: 130.179.16.50

Private IP: 192.168.1.2

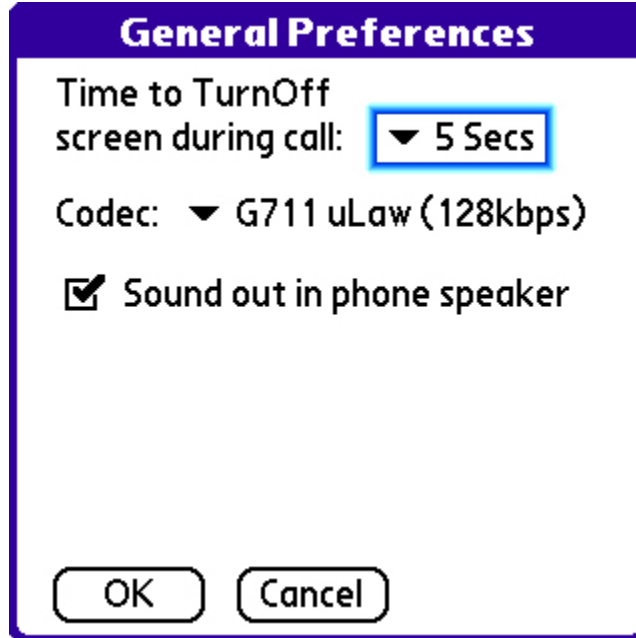
Host Name Toysoft

☒ Use Public IP

OK Cancel Check

6.4 General Preference

You can configure some general preferences that allow you to customize VOYP for your needs.



General Preferences

Time to TurnOff screen during call: ▼ 5 Secs

Codec: ▼ G711 uLaw (128kbps)

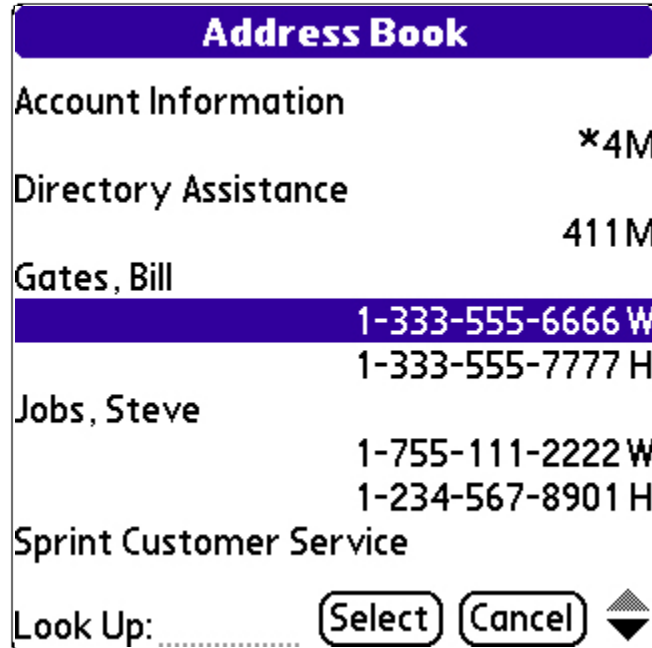
☒ Sound out in phone speaker

OK Cancel

Preference	Descriptions
Time to Turn Off screen during call	You can set the duration after which the screen is required to be turned off during an active call. After call the screen will turn on
Codec	Codec to use. Most servers support G.711 u-law codec – it requires a wideband network connection. For low band connections you can use GSM 6.10 codec but only few VOIP providers support this codec.
Sound out in Phone Speaker in Treo®	You can enable this option to hear sound output from phone speakers in the front in Treo® devices. Using headphones instead will eliminate noise disturbance. For other devices this option will not be visible.

6.5 Address book

You can select a number from contacts/ phone book to call.



Address Book

Account Information *4M

Directory Assistance 411M

Gates, Bill

1-333-555-6666 W

1-333-555-7777 H

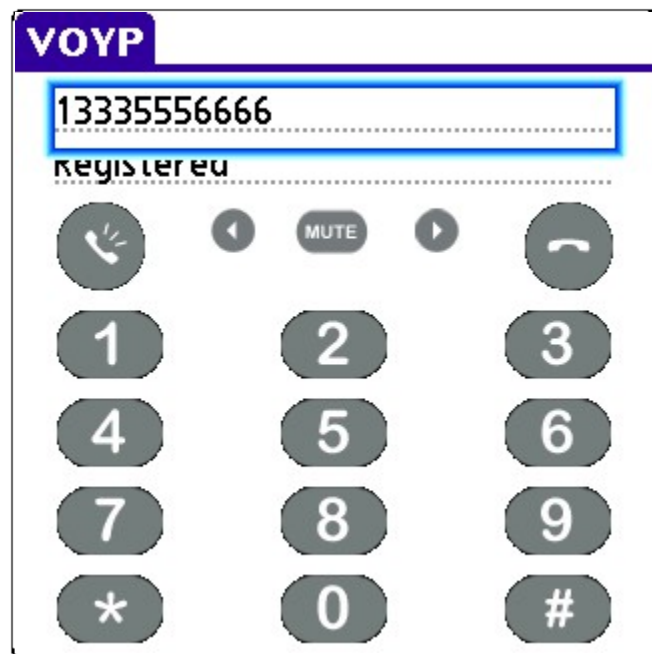
Jobs, Steve

1-755-111-2222 W

1-234-567-8901 H

Sprint Customer Service

Look Up: **Select** **Cancel** ▾



VOYP

13335556666

registered

☎ ◀ MUTE ▶ ☎

1 2 3

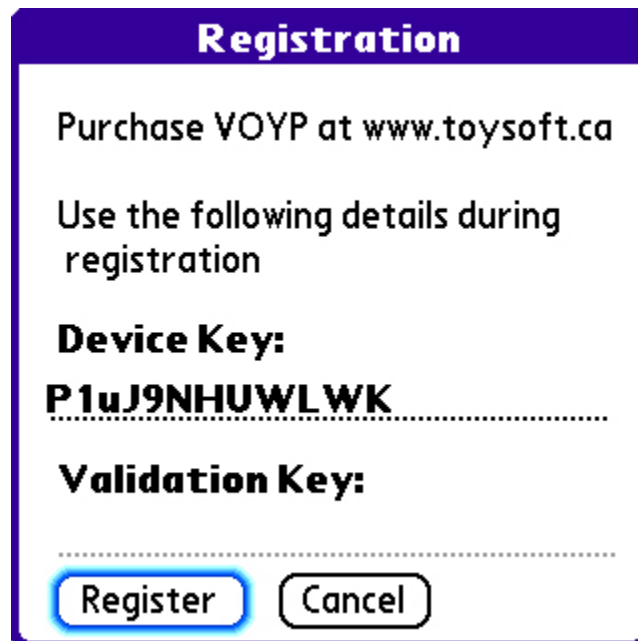
4 5 6

7 8 9

* 0 #

6.6 Registration

Displays the user registration details for VOYP.



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6.7 About VOYP

Displays about VOYP dialog.



7. Setup details for VOIP service providers

7.1 Free IP call providers:

VOIP Provider	Server/ SIP Proxy	SIP Port	Codec supported
BBPGlobal	sip1.bbpglobal.com	5190	G.711, GSM 6.10
Call Centric	callcentric.com	5060	G.711, GSM 6.10
DrayTel	draytel.org	5060	G.711
Free IP Call	sip.freeipcall.com	5060	G.711
Free World Dialup (FWD)	fwd.pulver.com	5060	G.711
InPhonex	sip.inphonex.com	5060	G.711, GSM 6.10
IPTel.org	iptel.org	5060	G.711, GSM 6.10
SipGate – UK	sipgate.co.uk	5060	G.711, GSM 6.10
SipGate – Germany	sipgate.de	5060	G.711, GSM 6.10
SipGate – Austria	sipgate.at	5060	G.711, GSM 6.10
VoIPtalk	voiptalk.org	5060	G.711

Only few providers allow PSTN calling like FWD, others require a purchased plan or do not support PSTN calling feature.

FWD support calling to toll-free numbers for free. You can use this for testing VOYP, but will require high bandwidth as it supports only G.711 codec.

All accounts have free registration and allow calling to other registered users for free.

7.2 Premium VOIP providers:

VOIP Provider	Server/ SIP Proxy	SIP Port	Codec supported
Addaline	addaline.com	5060	G.711
Babble/ Bon	sip.babble.net	5060	G.711, GSM 6.10
BroadVoice	sip.broadvoice.com	5060	G.711
Call Centric	callcentric.com	5060	G.711, GSM 6.10
Call Serve	sip5.phoneserve.com	5061	G.711
Deltathree/ IConnecthere	sipauth.deltathree.com or deltathree.com	5060	G.711, GSM 6.10
Dialpad	66.35.222.58	5060	G.711
DigiSip	proxy.digisip.net	5060	G.711
EasyDial	Voip.easy-dial.com	5060	G.711
Elegance-com	eswt-001.elegance-com.net	5060	G.711
Engin	byo.engin.com.au	5060	G.711
Firefly/ Freshtel	cts-au.freshtel.net	5060	G.711
Freedom2Surf	sip.f2s.com	5060	G.711
Frontline Global	sip.frontlineglobal.net	5060	G.711
Gizmo Project/ SIPPhone	proxy01.sipphone.com	5060	G.711
Go2Call	sipnat.go2call.com	5060	G.711
Gradwell	sip.gradwell.net	5082	G.711
InPhonex	sip.inphonex.com	5060	G.711, GSM 6.10
Internet Phone Co	sip.internetphoneco.com	5060	G.711
Mutual Phone	sip.winradius.net	5060	G.711
MyWebCalls/ SipaGate	sipagate.com	5060	G.711
Nikotel	calamar0.nikotel.com	5060	G.711
Plus.net	sip.plus.net	5060	G.711
Prutel	deu1.purtel.com	5060	G.711
RnkTel	216.143.130.36	5060	G.711
SipGate – UK	sipgate.co.uk	5060	G.711, GSM 6.10
SipGate – Germany	sipgate.de	5060	G.711, GSM 6.10
SipGate – Austria	sipgate.at	5060	G.711, GSM 6.10
Stanaphone	sip.stanaphone.com	5060	G.711, GSM 6.10
TellIAX	Voip-co2.teliix.com	5060	G.711, GSM 6.10
TerraCall	xchange.terracall.com	5060	G.711
Voice Pulse	gw5.voicepulse.com	5060	G.711
VOIPBuster	sip.voipbuster.com	5060	G.711
Vonage	sphone.vopr.vonage.net	5061	G.711

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