

OBI100 (OBIHAI) Configuration Guide for FreePhoneLine

Official FPL guidelines you can find at: <http://support.freephoneline.ca/entries/23120323-VoIP-Unlock-Key-Credentials>

All the settings were default on the device before configuration.

If you need to reset your settings to default – scroll down to the end of this guide.

Step 1.

Plug all the appropriate wires to your OBi100 device.

- Ethernet cable (Internet connection)
- Phone line (attached to the phone)
- Power

Step 2.

From the phone attached to your OBi100 device dial:

- '***'
- Then dial '1'

Write down your IP address.

Step 3.

On the PC/Mac connected to the same network as yours OBi100 device, go to your browser (Internet Explorer; Chrome; Firefox; Opera; Safari, etc.).

In the URL bar put your IP address from Step 2.

[Note: I am using 10.10.10.101 for my IP, your IP address might be different!]



Login window will appear.

Default Username: admin

Default Password: admin

A screenshot of a login window. At the top left is a compass icon. The text reads: "To view this page, you must log in to area 'user@OBI100' on 10.10.10.101:80. Your login information will be sent securely." Below this are two input fields. The first is labeled "Name:" and contains the text "admin". The second is labeled "Password:" and contains five dots. Below the password field is a checkbox labeled "Remember this password in my keychain". At the bottom right are two buttons: "Cancel" and "Log In". The "Log In" button is highlighted with a red circle.

Click 'Log In' or press 'Enter'

Step 4.

- In the menu at the left: click 'Service Providers', then click 'ITSP Profile A', then click 'General'.
- Uncheck 'Default' marks from 'Name', 'DigitMap' in the 'General' section.
- Uncheck 'Default' mark from 'Name' in the 'Service Provider Info' section.

Now fill the 'Value' for the following:

- **General**

Name: *FPL*

DigitMap: *(911|[2-9]xxxxxxxx|1xxxxxxxx|011xxxxxxxxx/*98|[6-7]x*xxxxxxxxx.)*

- **Service Provider Info**

Name: *FPL*

Click 'Submit' to save changes.

DO NOT REBOOT DEVICE BEFORE ALL THE STEPS FROM THIS GUIDE ARE DONE.

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Setup Wizard

- + Status
- + System Management
 - Service Providers**
 - ITSP Profile A**
 - General**
 - SIP
 - RTP
 - ITSP Profile B
 - + Voice Services
 - + Physical Interfaces
 - + Codecs
 - + Tone Settings
 - + Ring Settings
 - + Star Codes
 - + User Settings

ITSP Profile A

General

Parameter Name	Value	Default
Name	FPL	<input type="checkbox"/>
SignalingProtocol	SIP	<input checked="" type="checkbox"/>
DTMFMethod	Auto	<input checked="" type="checkbox"/>
X_UseFixedDurationRFC2833DTMF	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DigitMap	(911 [2-9]xxxxxxxx 1xxxxxxxx 011xxxxx	<input type="checkbox"/>
STUNEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STUNServer		<input checked="" type="checkbox"/>
X_STUNServerPort	3478	<input checked="" type="checkbox"/>
X_ICEEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
X_SymmetricRTPEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Service Provider Info

Parameter Name	Value	Default
Name	FPL	<input type="checkbox"/>
URL		<input checked="" type="checkbox"/>
ContactPhoneNumber		<input checked="" type="checkbox"/>
EmailAddress		<input checked="" type="checkbox"/>

Submit Clear Changes Use Defaults Only

Step 5.

- In the menu at the left: click 'Service Providers', then click 'ITSP Profile A', then click 'SIP'.
- Uncheck 'Default' marks from 'ProxyServer', 'RegistrationPeriod' in the 'SIP' section.

Fill the 'Value' for the following:

ProxyServer: *voip.freephoneline.ca* **OR** *voip2.freephoneline.ca*

RegistrationPeriod: *3600*

Click 'Submit' to save changes.

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ITSP Profile A

SIP

Parameter Name	Value	Default	
ProxyServer	voip.freephoneline.ca	<input checked="" type="checkbox"/>	?
ProxyServerPort	5060	<input checked="" type="checkbox"/>	?
ProxyServerTransport	UDP	<input checked="" type="checkbox"/>	?
RegistrarServer		<input checked="" type="checkbox"/>	?
RegistrarServerPort	5060	<input checked="" type="checkbox"/>	?
UserAgentDomain		<input checked="" type="checkbox"/>	?
OutboundProxy		<input checked="" type="checkbox"/>	?
OutboundProxyPort	5060	<input checked="" type="checkbox"/>	?
RegistrationPeriod	3600	<input checked="" type="checkbox"/>	?
TimerT1	500	<input checked="" type="checkbox"/>	?
TimerT2	4000	<input checked="" type="checkbox"/>	?
TimerT4	5000	<input checked="" type="checkbox"/>	?
TimerA	500	<input checked="" type="checkbox"/>	?
TimerB	32000	<input checked="" type="checkbox"/>	?
TimerD	32000	<input checked="" type="checkbox"/>	?
TimerE	500	<input checked="" type="checkbox"/>	?
TimerF	32000	<input checked="" type="checkbox"/>	?
TimerG	500	<input checked="" type="checkbox"/>	?
TimerH	32000	<input checked="" type="checkbox"/>	?
TimerI	5000	<input checked="" type="checkbox"/>	?
TimerJ	32000	<input checked="" type="checkbox"/>	?
TimerK	5000	<input checked="" type="checkbox"/>	?
InviteExpires	60	<input checked="" type="checkbox"/>	?
ReInviteExpires	10	<input checked="" type="checkbox"/>	?
RegisterExpires	3600	<input checked="" type="checkbox"/>	?
RegisterMinExpires	15	<input checked="" type="checkbox"/>	?
RegisterRetryInterval	30	<input checked="" type="checkbox"/>	?
DSCPMark	26	<input checked="" type="checkbox"/>	?
X_SpoofCallerID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_UseRefer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_ReferAOR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_Use302ToCallForward	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_UserAgentName	OBIHAI/\${DM}-\${FWV}	<input checked="" type="checkbox"/>	?
X_ProcessDateHeader	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_InsertRemotePartyID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_SessionRefresh	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_AccessList		<input checked="" type="checkbox"/>	?
X_InsertRTPStats	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_MWISubscribe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_MWISubscribeURI		<input checked="" type="checkbox"/>	?
X_MWISubscribeExpires	3600	<input checked="" type="checkbox"/>	?
X_RegSubscribe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_RegSubscribeExpires	3761	<input checked="" type="checkbox"/>	?
X_ProxyServerRedundancy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_SecondaryRegistration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_CheckPrimaryFallbackInterval	60	<input checked="" type="checkbox"/>	?
X_CheckSecondaryFallbackInterval	60	<input checked="" type="checkbox"/>	?
X_ProxyRequire		<input checked="" type="checkbox"/>	?
X_MaxForward	70	<input checked="" type="checkbox"/>	?
X_AcceptLanguage		<input checked="" type="checkbox"/>	?
X_DnsSrvAutoPrefix	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_UserEqPhone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_CallWaitingIndication	No	<input checked="" type="checkbox"/>	?
X_DiscoverPublicAddress	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_PublicIPAddress		<input checked="" type="checkbox"/>	?
X_UseRport	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	?
X_FaxPassThroughSignal	ReINVITE	<input checked="" type="checkbox"/>	?
X_EchoServer		<input checked="" type="checkbox"/>	?
X_EchoServerPort	5060	<input checked="" type="checkbox"/>	?

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Step 6.

- In the menu at the left: click 'Voice Services', and then click 'SP1 Service'.
- Uncheck 'Default' marks from 'X_KeepAliveEnable', 'X_KeepAliveExpires' in the 'SP1 Service' section.
- Uncheck 'Default' marks from 'AuthUserName', 'AuthPassword' in the 'SIP Credentials' section.
- Uncheck 'Default' mark from 'CallerIDName' in the 'Calling Features' section.

Now fill the 'Value' for the following:

- **SP1 Service**
X_KeepAliveEnable: [Checkmark]
X_KeepAliveExpires: 20
 - **SIP Credentials**
AuthUserName: [Put your SIP User ID]
AuthUserPassword: [Put your SIP Password]
 - **Calling Features**
CallerIDName: [Put your first and last name]
- Click 'Submit' to save changes.

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Setup Wizard

- Status
- System Management
- Service Providers
 - Voice Services**
 - SP1 Service
 - SP2 Service
 - OBITALK Service
 - Auto Attendant
 - Gateways and Trunk Groups
- Physical Interfaces
- Codecs
- Tone Settings
- Ring Settings
- Star Codes
- User Settings

SP1 Service

Parameter Name	Value	Default
Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
X_ServProvProfile	A	<input checked="" type="checkbox"/>
X_RingProfile	A	<input checked="" type="checkbox"/>
X_CodecProfile	A	<input checked="" type="checkbox"/>
X_InboundCallRoute	ph	<input checked="" type="checkbox"/>
X_RegisterEnable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
X_NoRegNoCall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
X_KeepAliveEnable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
X_KeepAliveExpires	20	<input checked="" type="checkbox"/>
X_KeepAliveServer		<input checked="" type="checkbox"/>
X_KeepAliveServerPort	5060	<input checked="" type="checkbox"/>
X_KeepAliveMsgType	keep-alive	<input checked="" type="checkbox"/>
X_UserAgentPort	5060	<input checked="" type="checkbox"/>
DirectoryNumber		<input checked="" type="checkbox"/>
X_DefaultRing	1	<input checked="" type="checkbox"/>
X_CallOnHoldRing	8	<input checked="" type="checkbox"/>
X_RepeatDialRing	5	<input checked="" type="checkbox"/>
X_BargeInRing	4	<input checked="" type="checkbox"/>
X_CallParkedRing	10	<input checked="" type="checkbox"/>
X_SipDebugOption	Disable	<input checked="" type="checkbox"/>
X_SipDebugExclusion		<input checked="" type="checkbox"/>

SIP Credentials

Parameter Name	Value	Default
AuthUserName	123456789	<input checked="" type="checkbox"/>
AuthPassword	*****	<input checked="" type="checkbox"/>
URI		<input checked="" type="checkbox"/>

Calling Features

Parameter Name	Value	Default
CallerIDName	Firstname Lastname	<input checked="" type="checkbox"/>
MaxSessions	2	<input checked="" type="checkbox"/>
CallForwardUnconditionalEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CallForwardUnconditionalNumber		<input checked="" type="checkbox"/>
CallForwardOnBusyEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CallForwardOnBusyNumber		<input checked="" type="checkbox"/>
CallForwardOnNoAnswerEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CallForwardOnNoAnswerNumber		<input checked="" type="checkbox"/>
CallForwardOnNoAnswerRingCount	2	<input checked="" type="checkbox"/>
MWIEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
X_VMWIEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MessageWaiting	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AnonymousCallBlockEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AnonymousCallEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DoNotDisturbEnable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
X_BridgedOutboundCallMaxDuration		<input checked="" type="checkbox"/>
X_AcceptDialogSubscription	<input type="checkbox"/>	<input checked="" type="checkbox"/>
X_AcceptLinePortStatusSubscription	<input type="checkbox"/>	<input checked="" type="checkbox"/>
X_SkipCallScreening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
X_SRTP	Disable SRTP	<input checked="" type="checkbox"/>

Submit Clear Changes Use Defaults Only

Step 7.

- In the menu at the left: click 'Star Codes', and then click 'Star Code Profile A'.
- Uncheck 'Default' mark from 'Code28', in the 'Star Codes' section.

Fill the 'Value' for the following:

Code28: *95, Blind Transfer, coll(\$Bbxrn)

[Note: With this setting you will be able to access your mailbox even if you are on Hold with an Active call.]

Click 'Submit' to save changes.

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Star Code Profile A

Parameter Name	Value	Default
Code1	*07, Redial, call(\$Ldn)	<input checked="" type="checkbox"/>
Code2	*69, Call Return, call(\$Lcn)	<input checked="" type="checkbox"/>
Code3	*81, Block Caller ID, set(\$Bci,1)	<input checked="" type="checkbox"/>
Code4	*82, Unblock Caller ID, set(\$Bci,0)	<input checked="" type="checkbox"/>
Code5	*67, Block Caller ID Once, set(\$Bci1,1)	<input checked="" type="checkbox"/>
Code6	*68, Unblock Caller ID Once, set(\$Ubc1,1)	<input checked="" type="checkbox"/>
Code7	*72, Cfwd All, coll(\$Cfan), set(\$Cfa,1)	<input checked="" type="checkbox"/>
Code8	*73, Disable Cfwd All, set(\$Cfa, 0)	<input checked="" type="checkbox"/>
Code9	*60, Cfwd Busy, coll(\$Cfbn), set(\$Cfb,1)	<input checked="" type="checkbox"/>
Code10	*61, Disable Cfwd Busy, set(\$Cfb, 0)	<input checked="" type="checkbox"/>
Code11	*62, Cfwd No Ans, coll(\$Cfnn), set(\$Cfn,1)	<input checked="" type="checkbox"/>
Code12	*63, Disable Cfwd No Ans, set(\$Cfn,0)	<input checked="" type="checkbox"/>
Code13	*77, Block Anonymous Call, set(\$Bac,1)	<input checked="" type="checkbox"/>
Code14	*87, Unblock Anonymous Call, set(\$Bac,0)	<input checked="" type="checkbox"/>
Code15	*56, Enable Call Waiting, set(\$Cwa,1)	<input checked="" type="checkbox"/>
Code16	*57, Disable Call Waiting, set(\$Cwa,0)	<input checked="" type="checkbox"/>
Code17	*78, Do Not Disturb, set(\$Dnd,1)	<input checked="" type="checkbox"/>
Code18	*79, Disable DND, set(\$Dnd,0)	<input checked="" type="checkbox"/>
Code19	*05, Repeat Dial, rpdi(\$Ldn)	<input checked="" type="checkbox"/>
Code20	*06, Cancel Repeat Dial, rpdi()	<input checked="" type="checkbox"/>
Code21	*74([1-9])([1-9]x), Set Speed Dial, coll(\$Spd[\$1])	<input checked="" type="checkbox"/>
Code22	*75([1-9])([1-9]x), Check Speed Dial, say(\$Spd[\$1])	<input checked="" type="checkbox"/>
Code23	*03, Loopback Media, set(\$Lbm1,1)	<input checked="" type="checkbox"/>
Code24	*04, Loopback RTP Packet, set(\$Lbp1,1)	<input checked="" type="checkbox"/>
Code25	*4711, Use G711 Only, set(\$Cdm1,3)	<input checked="" type="checkbox"/>
Code26	*4729, Use G729 Only, set(\$Cdm1,4)	<input checked="" type="checkbox"/>
Code27	*76([1-9])([1-9]x), Clear Speed Dial, set(\$Spd[\$1],0)	<input checked="" type="checkbox"/>
Code28	*95, Blind Transfer, coll(\$Bbxrn)	<input type="checkbox"/>
Code29	*96, Barge In, set(\$Bar1,1)	<input checked="" type="checkbox"/>
Code30		<input checked="" type="checkbox"/>

Submit Clear Changes Use Defaults Only

Step 8.

- In the menu at the left: click 'System Management', and then click 'Network Settings'.
- Uncheck 'Default' mark from 'LocalTimeZone' in the 'Time Service Settings' section.

[Choose your time zone from drop-down list for the 'LocalTimeZone' parameter value.]

Click 'Submit' to save changes.

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Setup Wizard

- Status
- System Management**
- Network Settings
- Auto Provisioning
- Device Admin
- Device Update
- Service Providers
- Voice Services
- Physical Interfaces
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Internet Settings

Parameter Name	Value	Default
AddressingType	DHCP	<input checked="" type="checkbox"/>
IPAddress		<input checked="" type="checkbox"/>
SubnetMask		<input checked="" type="checkbox"/>
DefaultGateway		<input checked="" type="checkbox"/>
DNSServer1		<input checked="" type="checkbox"/>
DNSServer2		<input checked="" type="checkbox"/>
VLANID	0	<input checked="" type="checkbox"/>
VLANPriority	0	<input checked="" type="checkbox"/>

Local Time

Parameter Name	Value	Default
CurrentLocalTime	6/24/2014 19:43:57	<input checked="" type="checkbox"/>

Time Service Settings

Parameter Name	Value	Default
NTPServer1	pool.ntp.org	<input checked="" type="checkbox"/>
NTPServer2		<input checked="" type="checkbox"/>
LocalTimeZone	GMT-05:00(Eastern Time)	<input checked="" type="checkbox"/>
DaylightSavingTimeEnable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DaylightSavingTimeStart	3/8/7/2	<input checked="" type="checkbox"/>
DaylightSavingTimeEnd	11/1/7/2	<input checked="" type="checkbox"/>
DaylightSavingTimeDiff	1	<input checked="" type="checkbox"/>

Local DNS Records

Parameter Name	Value	Default
1		<input checked="" type="checkbox"/>
2		<input checked="" type="checkbox"/>
3		<input checked="" type="checkbox"/>
4		<input checked="" type="checkbox"/>
5		<input checked="" type="checkbox"/>
6		<input checked="" type="checkbox"/>
7		<input checked="" type="checkbox"/>
8		<input checked="" type="checkbox"/>
9		<input checked="" type="checkbox"/>
10		<input checked="" type="checkbox"/>
11		<input checked="" type="checkbox"/>
12		<input checked="" type="checkbox"/>
13		<input checked="" type="checkbox"/>
14		<input checked="" type="checkbox"/>
15		<input checked="" type="checkbox"/>
16		<input checked="" type="checkbox"/>
17		<input checked="" type="checkbox"/>
18		<input checked="" type="checkbox"/>
19		<input checked="" type="checkbox"/>
20		<input checked="" type="checkbox"/>
21		<input checked="" type="checkbox"/>
22		<input checked="" type="checkbox"/>
23		<input checked="" type="checkbox"/>
24		<input checked="" type="checkbox"/>
25		<input checked="" type="checkbox"/>
26		<input checked="" type="checkbox"/>
27		<input checked="" type="checkbox"/>
28		<input checked="" type="checkbox"/>
29		<input checked="" type="checkbox"/>
30		<input checked="" type="checkbox"/>
31		<input checked="" type="checkbox"/>
32		<input checked="" type="checkbox"/>

Time Zones

- GMT-12:00(Int'l Dateline West)
- GMT-11:00(Samoa)
- GMT-10:00(Hawaii)
- GMT-09:00(Alaska)
- GMT-08:00(Pacific Time)
- GMT-07:00(Mountain Time)
- GMT-06:00(Central Time)
- GMT-05:00(Eastern Time)
- GMT-04:30(Caracas)
- GMT-04:00(Atlantic Time)
- GMT-03:30(Newfoundland)
- GMT-03:00(Buenos Aires, Greenland)
- GMT-02:00(Mid-Atlantic)
- GMT-01:00
- ☒ GMT+00:00(London, Lisbon)
- GMT+01:00(Rome, Paris, Madrid)
- GMT+02:00(Athens, Cairo)
- GMT+03:00(Moscow, Baghdad)
- GMT+03:30(Tehran)
- GMT+04:00(Abu Dhabi)
- GMT+04:30(Kabul)
- GMT+05:00(Islamabad, Karachi)
- GMT+05:30(New Delhi)
- GMT+05:45(Kathmandu)
- GMT+06:00
- GMT+06:30(Yangon)
- GMT+07:00(Bangkok, Jakarta)
- GMT+08:00(Beijing, HK, Singapore)
- GMT+09:00(Tokyo, Seoul)
- GMT+09:30(Adelaide)
- GMT+10:00(Sydney, Guam)
- GMT+11:00(Solomon Is.)
- GMT+12:00(Fiji, Auckland)

Buttons: Submit, Clear Changes, Use Defaults Only

Step 9.

Go to the right top corner and click on 'Reboot' button.

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User Login **Reboot**

Wait 1 min.

DO NOT UNPLUG YOUR OBi100 DEVICE FROM THE POWER WHILE SYSTEM IS REBOOTING.

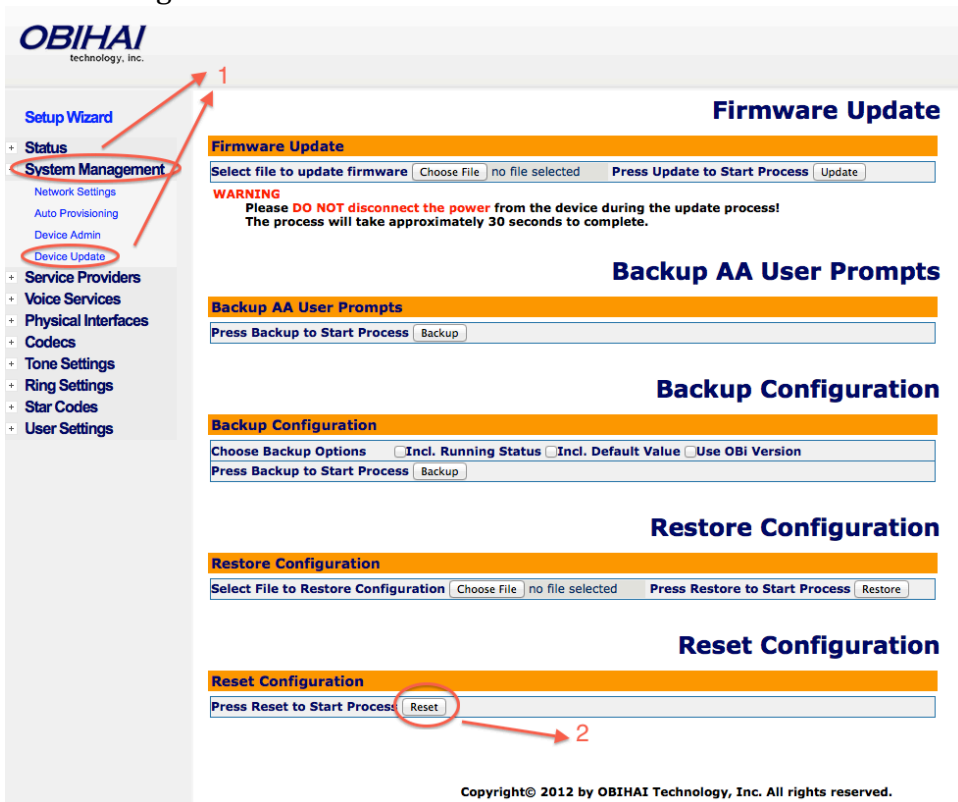
Close your browser.

Enjoy your free phone line! ☺

How do I reset my settings to default?

To reset your settings to default follow Steps 1,2,3 from this guide first, then:

- In the menu at the left: click 'System Management', and then click 'Device Update'.
- Click 'Reset' button in the 'Reset Configuration' section.
- Wait 1 min
- Refresh the page
- Your settings are default now



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Firmware Update

Select file to update firmware Choose File no file selected Press Update to Start Process Update

WARNING
Please **DO NOT disconnect the power** from the device during the update process!
The process will take approximately 30 seconds to complete.

Backup AA User Prompts

Press Backup to Start Process Backup

Backup Configuration

Choose Backup Options ☐ Incl. Running Status ☐ Incl. Default Value ☐ Use OBi Version
Press Backup to Start Process Backup

Restore Configuration

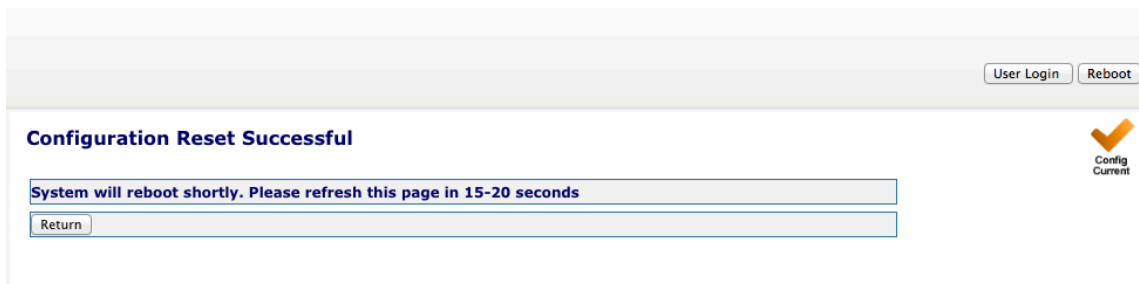
Select File to Restore Configuration Choose File no file selected Press Restore to Start Process Restore

Reset Configuration

Press Reset to Start Process Reset

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DO NOT UNPLUG YOUR OBi100 DEVICE FROM THE POWER WHILE SYSTEM IS REBOOTING.



User Login Reboot

Configuration Reset Successful

System will reboot shortly. Please refresh this page in 15-20 seconds

Return

Config Current