



Viking PCI ADSL2+ Modem ZIPB Configuration Guide

1. Introduction

This document describes ZIPB configuration for the Viking PCI ADSL2+ Modem.

Please note that when using ZIPB, the DHCP server should not be enabled. Doing so will cause an unresolvable conflict.

2. Configuration

Remove existing PPPoE transport

```
transports delete PppoeUp
```

Add PPPoA transport

```
pppoa add transport pppoa1 dialout pvc 1 a1 8 35  
pppoa set transport pppoa1 username test  
pppoa set transport pppoa1 password test
```

Setup WAN interface

```
ip add interface ipwan  
ip attach ipwan pppoa1
```

DHCP Client on PC

ZIPB requires the hostname of the PC to be sent to the Viking through the DHCP client. On Linux, this can be done by including a send host-name option in the configuration file for dhclient. This is commonly located in /etc/dhclient/dhclient.conf

Example dhclient.conf file:

```
send host-name "debian_system";
```

With this configuration, force the PC to send its hostname by running dhclient:

```
dhclient
```

ZIPB setup

```
zipb set lan spoofmethod "Use PPP server address"  
zipb set public device debian_system  
ip list interfaces
```

IP Interfaces:

ID	Name	IP Address	DHCP	Transport	Gateway
1	iplan	192.168.1.1	disabled	<BRIDGE>	
2	ipwan	10.0.0.7	disabled	pppoa1	
3	zipb	10.0.0.1	disabled	[iplan]

Within 40 seconds, the PC will have renewed its lease and now uses the IP address from the ISP (10.0.0.7 in this instance).

Save Configuration

```
system config save
```

After restarting the Viking, PPPoA will connect automatically. However, a known issue is that ZIPB needs the public device to be set each time after a system restart:

```
zipb set public device debian_system
```

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