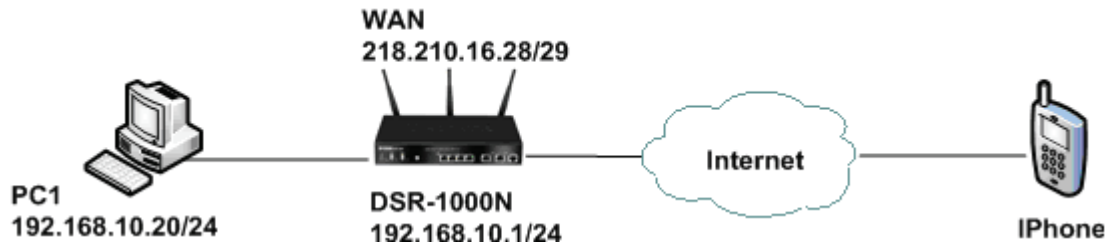# Configuration Guide

How to establish L2TP tunnel between DSR series and iPhone iOS

Overview

This document describes how to establish L2TP VPN between D-Link DSR series with iPhone. All screenshots in this document is captured from 1.06B53 of DSR-1000N. If you are not using this version of firmware, the screenshots many not be identically the same as what you see in your D-Link DSR device.

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Situation note

L2TP VPN allows road worriers to establish a safe connection to office to access enterprise internal resources or share business documents/plans/information. Since L2TP client had been embedded in many OS including Windows and iOS, road worriers can easily utilize it without any extra software installation. This document guides road worriers connecting to enterprise's PPTP server using iPhone with few easy steps.

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Configuration Step

1. Setup Internet Connection:

Please go to Setup > Internet Settings > WAN1 settings > WAN1 Setup

ISP Connection Type	
ISP Connection Type:	Static IP
Enable VLAN Tag:	☐
VLAN ID:	0
IP Address:	218.210.16.28
IP Subnet Mask:	255.255.255.248
Gateway IP Address:	218.210.16.25

Domain Name System (DNS) Servers	
Primary DNS Server:	8.8.8.8
Secondary DNS Server:	168.95.1.1

MAC Address	
MAC Address Source:	Use Default Address
MAC Address:	00:00:00:00:00:00

ISP Connection Type: please select your ISP connections. In this example, we use Static IP.

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2. Setup PPTP server:

Please go to VPN Settings > L2TP > L2TP Server

L2TP Server Configuration

L2TP Server Mode:	Enable IPV4 ▼

L2TP Routing Mode

Nat:	◉
Classical:	○

Enter the range of IP addresses that is allocated to L2TP Clients

Starting IP Address:	172.16.1.1
Ending IP Address:	172.16.1.10

IPv6 Prefix

IPv6 Prefix:	
IPv6 Prefix Length:	admin

Authentication Database

Authentication:	Local User Database ▼

Authentication Supported

PAP:	☑
CHAP:	☑
MS-CHAP:	☑
MS-CHAPv2:	☑

L2TP Secret Key

Enable L2TP Secret Key:	☑
Secret Key:	••••••••

User Time-out

Idle TimeOut:	300 (Seconds)

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L2TP Server Mode: please select "Enable IPv4" to enable L2TP server.

Enter the range of IP addresses: pleae provide a IP range to be assigned to L2TP clients.

Authentication Database: in this example, we select ""Local User Database.

Authentication Supported: please select all types.

L2TP Secret Key: please check Eable L2TP Secret Key, and set Secret Key password, in this example is "12345678".

User Time-out: in this example, we set 300 seconds.

3. Create a L2TP dial-in account in the local database

3.1 Please go to Setup -> Internal Users Database -> Groups

Group Name: please assign the name of this group.

Privilege Type: please check "L2TP User".

3.2   Please go to Setup -> Internal Users Database -> Users

User Name: please assign user account name.

First Name and Last Name: please fill-out user's first and last name.

Select Group: please select "L2TP" group that we just created in the step 3.1.
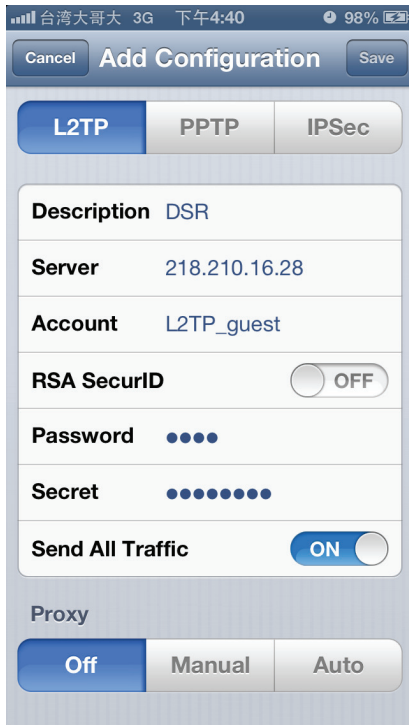
Password: please assign user's password, in this example is "1234"

Confirm Password: please confirm the user's password again.

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iPhone Setup

1. Setup L2TP profile

Please go to Settings > General > Network > VPN > Add VPN Configuration:

Description: a profile name for this L2TP connection.

Server: please enter IP addresses of your L2TP server. In this example, it should be 218.210.16.28.
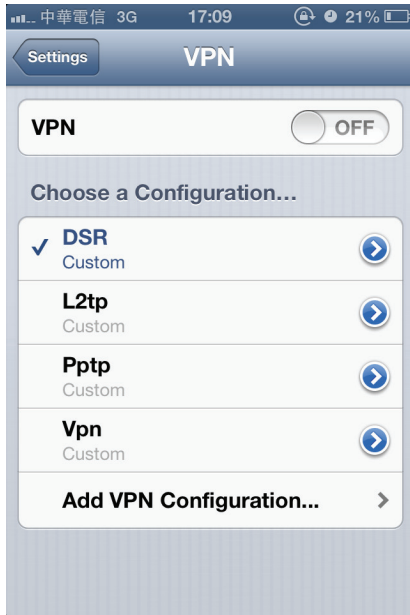
Account: please fill-out your user account. In this example, it should be "L2TP_guest" that we just created in the step 3

Password: please fill-out your user password.

Secret: please fill-out L2TP Secret Key that we just created in the step 2

2. Establish the L2TP VPN tunnel to DSR

Please go to Settings > General > Network > VPN:

Choose a Configuration: select the L2TP profile. In this case, please select "DSR" that we just created in the step 1

VPN: please switch to "ON" to establish L2TP VPN tunnels to DSR.

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