

Cornell University College of Veterinary Medicine

Open VetSim Router Setup Guide

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Version 1.0

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History

2019-May-08 – V1.0 - Initial Release

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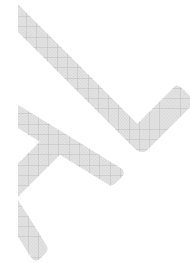
1. Introduction

This document will describe the Open VetSim Simulation router setup instructions. The router is used to connect the Open VetSim Manager with the Open VetSim Controller. The router can also be used to connect both of these components to the internet for software updates. The instructions are for the Gi.iNET GL-AR750 router. The router can be found here:

https://www.amazon.com/GL-iNet-GL-AR750-300Mbps-pre-installed-Included/dp/B07712LKJM/ref=sr_1_fkmrnull_3

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2. Setup Instructions



These instructions assume setting up the router from the factory default state.

1. Connect the router power
2. Connect PC to the Router
Option 1: Hardwire Attach Connect a LAN cable (RJ-45, Cat-5 or better) from PC Ethernet port to Router LAN Port (See router User Guide, Page 1. The router has 1 WAN port and 2 LAN ports).

Option 2: WiFi Attach:
Open the WiFi controls on your PC and look for a network named GL-AR750-xxx (xxx is three characters that are unique to your router). Connect to this network. The Access Key is “goodlife”.
3. Open a browser window and open <http://192.168.8.1>
The first time you connect, the router will run through setup screens to set the language, time zone and password. Set the language and timezone as appropriate and set the password to “vetsim01”.

4. Attach a Network cable from the Router WAN port to a router that has Internet Access
5. Click on the Firmware tab in the left menu. When the Firmware page loads, the router will check to see if a firmware update is available. If one is, install it by clicking "Download Firmware" and then Upgrade (after the download has completed).
6. In the Settings Menu, select the LAN networks (2G and 5G) to set appropriate parameters.
SSIDs : OpenVetSim01 and OpenVetSim01-5G.
WiFi Key : vetsim01
7. Reboot the router and reconnect using the new SSID (OpenVetSim01) and AccessKey (vetsim01)
8. Connect the SimController via a network cable to one of the LAN ports of the router
9. Connect the SimManager via WiFi to the router.
10. Select "MORE SETTINGS:-> Advanced
Login as "root" with password "vetsim01"
11. In the Network tab, click on "DHCP and DNS"
12. Scroll to the bottom of the page to set Static Leases for the SimController and SimManager
Set SimController to 192.168.8.3
Set SimManager to 192.168.8.2
13. Reboot everything

3. Additional Resources

A block diagram of the Open Vet Sim can be found here:

https://vet.newforce.us/resources/Vet_Sim_Block_Diagram_V1.1.pdf

A document describing how to load Ubuntu and set up the Open Vet Sim Manager can be found here:

https://vet.newforce.us/resources/Open_VetSim_Config_Ver-1.11.pdf

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