

# VNC with iPad



## Pangolin Laser Systems



## CONFIGURATION GUIDE

V1.0

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# Chapter 1

## Setup WiFi Ad-Hoc Connection

If you are already using a wireless access point to connect the laptop and iPad to, skip on ahead to the next section; this chapter describes how to establish a wireless link directly between a laptop and an iPad without such a device.

### 1.1 Windows XP

- Open the Start menu.
- Click on Control Panel.
- Under Pick a category, click *Network and Internet Connections*.
- Under Pick a Control Panel icon, click *Network Connections*.
- Right-click your wireless network connection, and then click *Properties*.
- In the Wireless Network Connection Properties dialog box, click the *Wireless Networks* tab.
- On the Wireless Networks tab, under *Preferred networks*, click *Add*.
- In the Wireless network properties dialog box, on the *Association tab*, type the name of your ad hoc wireless network in Network name (SSID) box. For example, you could name your wireless network “LaserNetwork”.
- Clear the *The key is provided for me automatically* check box.
- Select the *This is a computer-to-computer (ad hoc) network* check box.



## 1. SETUP WIFI AD-HOC CONNECTION

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- Create a password and type it in both the Network key and Confirm network key boxes. For the best security, include letters, numbers, and punctuation. Then click OK.
- Click *OK* again to save your changes.
- Select the Ad hoc network, click Adapter properties.
- In the properties screen, highlight *Internet Protocol Version 4 (TCP/IPv4)* and click on Properties.
- Click “use the following IP address” and specify the following IP. For example:
  - IP address. 192.168.1.50
  - Subnet mask. 255.255.255.0

## 1.2 Windows Vista

- Open the Start menu.
- Click *Connect to*.
- Click *Set up a connection or network*.
- Select *Set up a wireless ad hoc network* and click Next.
- Enter the new network name such as “LaserNetwork”.
- Enter a Security key.
- Check *Save this network*.
- Select the Ad hoc network, click Adapter properties.
- In the properties screen, highlight *Internet Protocol Version 4 (TCP/IPv4)* and click on Properties.
- Click “use the following IP address” and specify the following IP. For example:
  - IP address. 192.168.1.50
  - Subnet mask. 255.255.255.0



## 1.3 Windows 7

- Open the Start Menu and click on Control Panel.
- Click *Network and Internet*.
- Click *Network and Sharing Centre*.
- Under *Change your networking settings*, click *Set up a new connection or network*.
- Select *Set up a wireless ad hoc (computer-to-computer) network*.
- Click on *Next twice*.
- Enter the Network name such as “LaserNetwork”.
- Select the Security WAP (or WEP).
- Enter the Security key or password.
- Check *Save this network check box*.
- Click *Turn on Internet connection sharing*.
- Select the Ad hoc network, click Adapter properties.
- In the properties screen, highlight *Internet Protocol Version 4 (TCP/IPv4)* and click on Properties.
- Click “use the following IP address” and specify the following IP. For example:
  - IP address. 192.168.1.50
  - Subnet mask. 255.255.255.0

## Chapter 2

# Install RealVNC Server on a PC

Any VNC server will work with this, however a recommended suitable VNC server is RealVNC Free Edition.

- Download Real VNC Free Edition from the website:

– <http://www.realvnc.com/products/free/4.1/download.html>

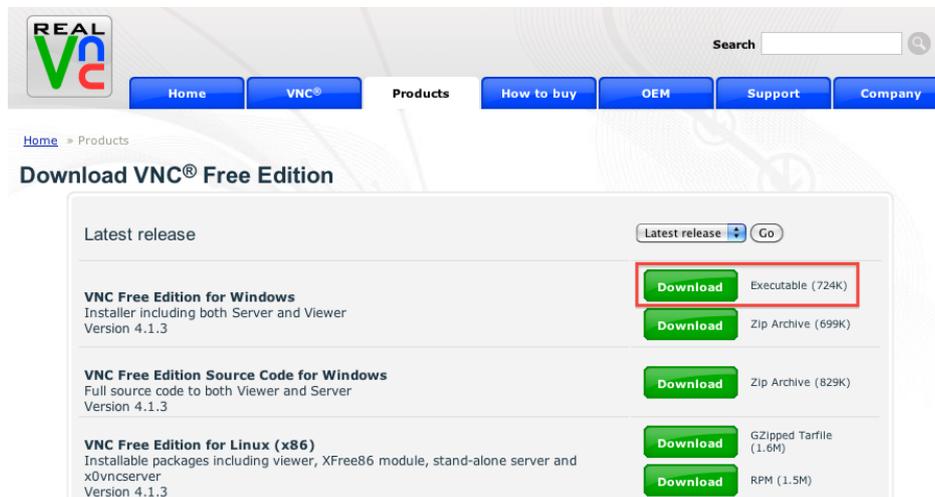


Figure 2.1: RealVNC Download website.

- Unzip and run the installer, click “Next”.
- Accept the licence agreement, click “Next”.
- Confirm file location, click “Next”.

## 2. INSTALL REALVNC SERVER ON A PC



- Ensure both components are ticked, and click “Next”.

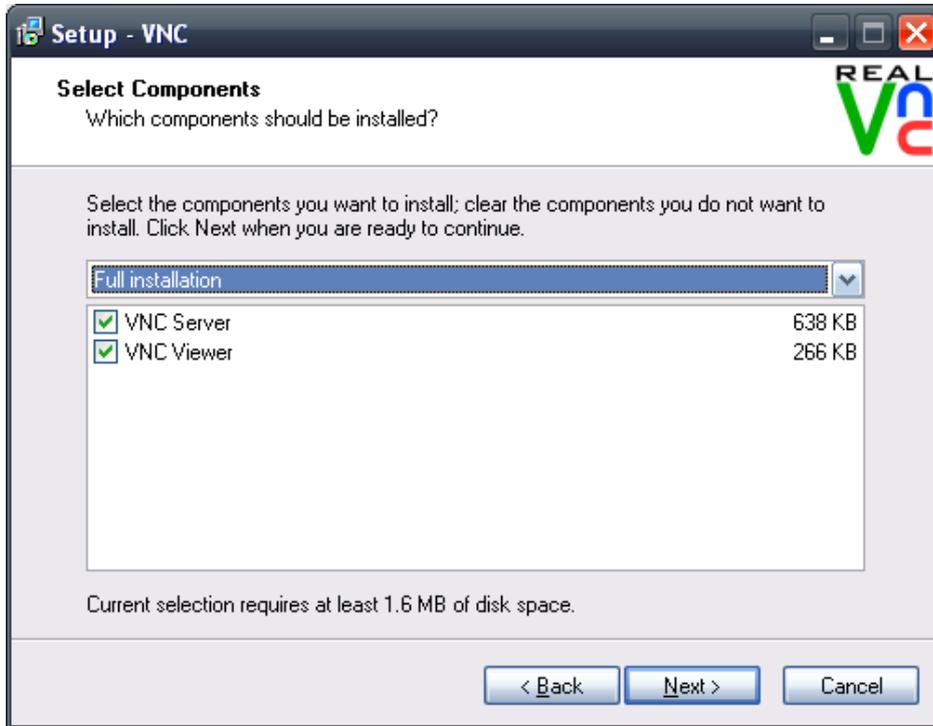


Figure 2.2: RealVNC Component Installation.

- Confirm start menu folder, click “Next”.
- Ensure at least the lower two options are ticked; *Register and configure VNC Server for Service-Mode* and *Start the VNC Server in Service-Mode*, click “Next”.
- Finally, click “Install”.

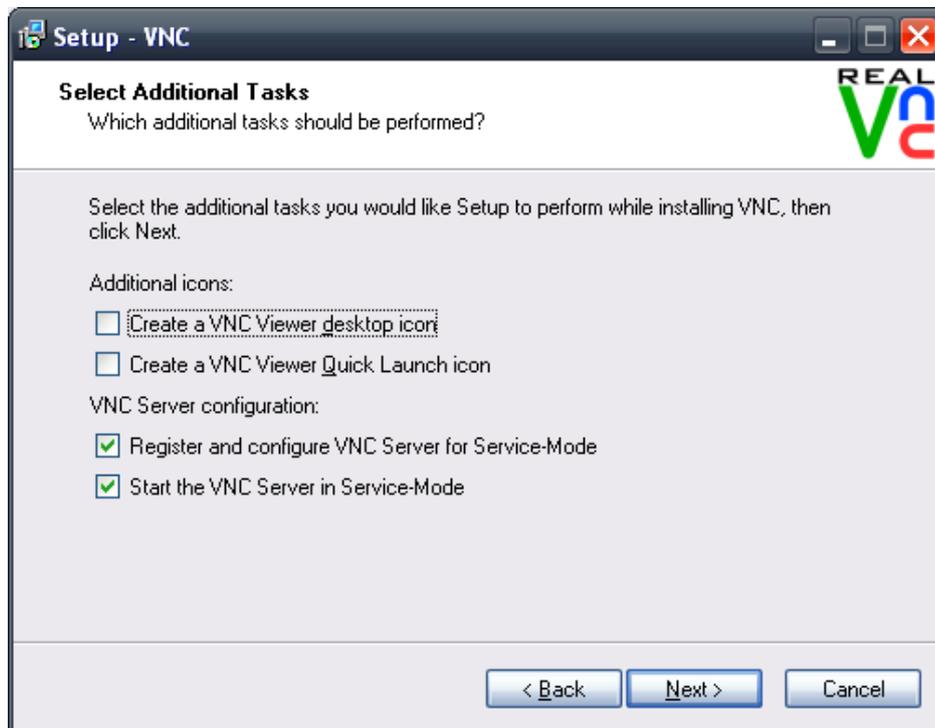


Figure 2.3: RealVNC Additional Tasks.

- When the installation is complete the VNC server will prompt for a password to be configured. It is strongly advised to set this! Click “Configure”.
- Enter a password twice, e.g. *laservnc* and click “OK”.

## 2. INSTALL REALVNC SERVER ON A PC

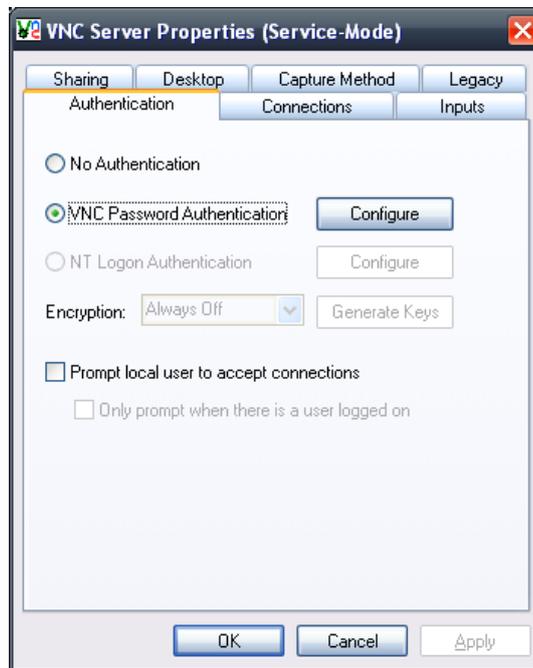


Figure 2.4: Configure VNC connection password.

- Finally click “Next” and “Finish” to complete the server installation process.

You should now notice a new tray icon has appeared in the lower right hand corner of the screen. A white VNC symbol indicates the server is ready to accept connections, a black VNC symbol indicates a client is connected. If you hover your mouse of this icon, the available IP addresses that the server can be connected via can be seen.

*For further advanced configuration see the following manufacturer’s documentation: <http://www.realvnc.com/products/free/4.1/winvnc.html>*

# Chapter 3

## Install VNC Client on iPad

Any VNC client will work with this, however a recommended suitable VNC client is Mocha VNC Lite (free)

- Download and install Mocha VNC Lite from the app store:
  - <http://itunes.apple.com/app/mocha-vnc/id284981670?mt=8>
- Company webpage: [http://www.mochasoft.dk/iphone\\_vnc.htm](http://www.mochasoft.dk/iphone_vnc.htm)

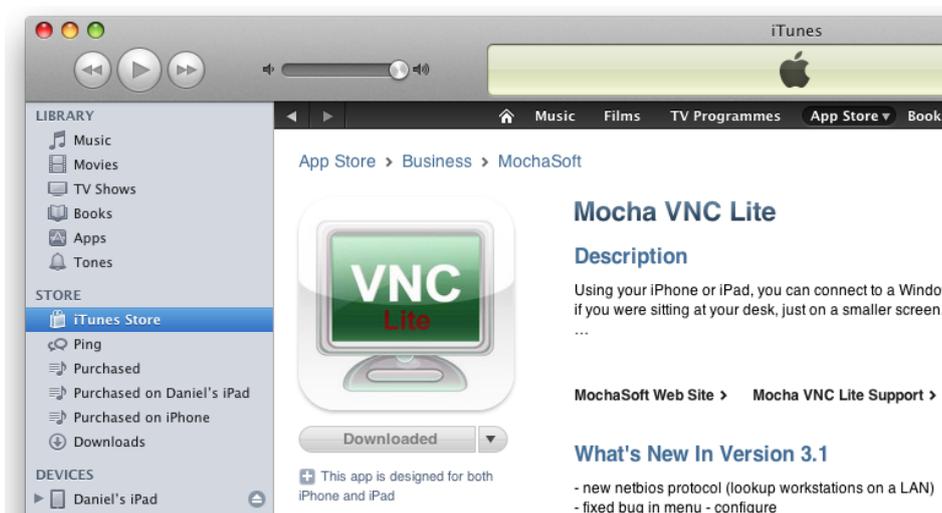


Figure 3.1: Mocha VNC Lite on the App Store.

# Chapter 4

## Connect iPad via Wireless

- On the iPad, launch *Settings*, *Wi-Fi* you should be able to see the new “LaserNetwork” on list.
- Pick “LaserNetwork”, and tap the side arrow to expand the Wi-Fi settings.
- Switch to a Static, and manually specify the IP address for your iPad. For example, set:
  - IP address: 192.168.1.51
  - Subnet mask: 255.255.255.0
- Go back to the Wi-Fi network list, tap on the “LaserNetwork” to connect it. You will need to enter the wireless key you have previously setup.

# Chapter 5

## Connecting via VNC

- Start Mocha VNC Lite on the iPad
- Tap “Add a configuration”
- Input the same IP as configured in Chapter 1 e.g. *192.168.1.50*



Figure 5.1: VNC working with Quickshow on the iPad

- Input the set password you configured the server with e.g. *laservnc*
- Tap “Back”



## 5. *CONNECTING VIA VNC*

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- Tap select “Connect” and tap on the computer label you have just added. If all goes well you should now see your computer desktop.
- Load up Beyond or Quickshow and use the iPad to launch cues as you normally would. Have fun!