Repeater:

Default VNC ports 5901, 5500
Default Webgui:80
Default user: admin
Default password: adminadmi2

The server need to run on a PC with a direct internet connection, like a dedicated server.
It doesn’t work if your PC is behind a nat router.

The VNC viewer and VNC server can be behind a nat router, but the repeater need to be open on the internet. You can also forward ports from the natrouter, so it look like the repeater is direct connected, this also work.

On First run check for warnings.


In our case, port 80 was already in use by a webserver, repeater use as Gui the first available port 81

Connect your browser to <http://localhost:81>





Press the log button to see if all started OK



In case of an error



Both ports 5901 and 5500 are already in use.

Make changes to the settings to be sure bind() succeeded for the vnc ports and the webgui is not already used by another application.

Firewall.

When you start the repeater.exe on a windows server 2012/ 2008 you need to manual modify the firewall rules. In home versions some firewall popup ask to allow the repeater.

Sample server 2012



I add 3 Rules
Inbound:
Add the program
Do the same for in and outbound






I also needed to add the extra inbound ports to make it work.




81,5901,5500

In our case we started the repeater on [www.uvnc.com](http://www.uvnc.com) on port 8080

VNC SERVER

@home, running behind a nat router with ip 87.64.166.50 i started a VNC server as service.
and added this single line to the vnc server config file.
This line instruct the server to keep making connections to the repeater using ID 12345679

ultravnc.ini
[admin]
Service\_commandline=-autoreconnect ID:12345679 –connect [www.uvnc.com:5500](http://www.uvnc.com:5500)



After you start the VNC server, he become visible as waiting server in the webgui of the repeater.

VNC VIEWER



We use the same ID:12345679 and connect to viewer port 5901 of the repeater.
You should see that the viewer negotiate the protocol and opens the window showing the server desktop.

In the repeater webGui you now see connection for ID 12345679

**WARNING**

For first test it’s ok to run without encryption….it’s easier to test and this need to work before you can activate the encryption.

By default, the connection doesn’t ask a password, so if someone know the ID or access the webgui he can connect to your server without any password.

**ALWAYS** activate encryption, activating encryption auto activate the password.

Special over the in internet use the longer encryption plugin passwords or predefine a encryption key.



ENCRYPTION

Activating encryption using the encryption plugin “SecureVNCPlugin.dsm”
The plugin is part of the addons you can download.

The plugin need to be in the same folder as the server/viewer, If installed with the installer, that should be the case.
If you open the viewer, he list the installed plugins, to activate you select the [v] use plugin


On the server site you set it in the server properties



Using the [config] button you can set a long password “passprase”

If you want to use a predefined key, use the [Generate Client Authentication key] button.

This generate 2 key.
20160127\_Server\_ClientAuth.pubkey
20160127\_Viewer\_ClientAuth.pkey

The viewer key you need to copy in the same folder as vncviewer.exe and leave the server key in the server folder.

