eduroam Wireless
Google Glass Manual Setup

Google Glass does not support WPA2 Enterprise Networks (e.g. PEAP/MSCHAPv2 or EAP-TLS). Connecting Google Glass to an enterprise network requires a special app called GlassWiFiConnect (https://github.com/jzplusplus/GlassWiFiConnect).

Manual Setup Summary:

1. Install GlassWiFiConnect.apk (available here) onto Glass
2. Generate a QR code using the following string, substituting the correct info for your WiFi network:
   WIFI:S:ssid;U:username;P:password;E:PEAP;PH:MS-CHAPv2;;
3. Say "ok, glass add wifi network" to run the app and scan the QR code. Glass should connect in a few seconds and you're done!

Manual Setup Instructions:

1. To use this app, you can either build from source using Android Developer Tools or just use the precompiled APK in the bin folder. You can load it onto your Glass in ADT or using the ADB tool. You need to have one of these in order to get the app onto Glass currently.
   b) Extract the files and run the SDK Manager
   c) Install the additional:
      Android SDK Tools
      Android SDK Platform-tools
      Android SDK Build-tools
      Android SDK Platform
      Android Google APIs
      Extras/Google USB Driver
      Extras/Google Web Driver
d) Inside the \adt-bundle-windows-x86_64-20131030\sdk\extras\google\usb_driver\ directory edit the android_winusb.inf file and add:

;Google Glass
%SingleAdbInterface% = USB_Install, USB\VID_18D1&PID_4E11&REV_0216
%CompositeAdbInterface% = USB_Install, USB\VID_18D1&PID_4E11&MI_01
%SingleAdbInterface% = USB_Install, USB\VID_18D1&PID_9001&REV_0216&MI_01
%CompositeAdbInterface% = USB_Install, USB\VID_18D1&PID_9001&MI_01

to the [Google.NTx86] and [Google.NTamd64] sections

e) Connect the Google Glass to your Windows machine and let Windows automatically install the default driver it finds for the device.

f) From the devmgmt.msc update the driver for Glass and manually point to the \adt-bundle-windows-x86_64-20131030\sdk\extras\google\usb_driver\ directory

g) Glass should now be discoverable

h) Set your path:

E.g. cmd>path=%path%;C:\Development\adt-bundle-windows-x86_64-20131030\sdk\platform-tools;C:\Development\adt-bundle-windows-x86_64-20131030\sdk\tools
>adb.exe devices

i) Set Glass in Debug Mode (Settings/Device Info/Debug Mode On)

>adb.exe install C:\Users\myUser\Downloads\GlassWifiConnect.apk

2. You can run the app by saying "ok glass, add wifi network".

*Note: Be aware that going through “Settings -> Wifi Networks -> Switch Network -> Add WiFi Network” you will not be running the GlassWifiConnect but rather the regular Google Glass Add Wifi Network program which does not support PEAP/MSCHAPv2.

3. Then, make your QR code format string. Go to http://goqr.me/. The details on this can be found in QRformat.txt, but it should look like this:

a) WIFI:S:ssid;U:username;P:password;E:PEAP;PH:MS-CHAPv2;;

In addition to the obvious fields, E is for the EAP method and PH is for phase 2 authentication method. If your network doesn’t require one or
multiple fields, you should simply leave them out of the string. For example, without phase 2 auth:

```
WIFI:S:ssid;U:username;P:password;E:PEAP;;
```

NOTE: Be aware that online QR code generators may or may not send the text (containing your password) in the clear to their servers.

An example for ODU’s PEAP/MSCHAPv2 SSID “eduroam”:

```
WIFI:S:eduroam;U:glass1;P:glassPass;E:PEAP;PH:MS-CHAPv2;;
```

Congratulations, you should now be connected to eduroam!