

Telecom T3G Mobile Broadband DataCard

Sierra Wireless AirCard 580 installation instructions for Mac OS X

Please keep this important information handy to get the Sierra Wireless Aircard 580 to work on Mac's.

It does not come with Mac drivers out of the box, so customers who know what they are doing will need to follow these detailed instructions below:

Here are the instructions for the changes required for Mac OS X 10.3.5 or later in order for it to recognise the card as a VerizonWireless card. This procedure has only been tested with Mac OS X 10.3.7.

NOTE: These instructions are for advanced users who know what they are doing only.

1. Remove the card if it is already inserted.
2. Log in as a user that has admin privileges.
3. Open the Terminal application. All of the following commands are case sensitive. Within the commands below spaces are important so please be careful as you type them.
4. Go to the IOSerialFamily kernal extension PlugIns folder using the following command:
`cd /System/Library/Extensions/IOSerialFamily.kext/Contents/PlugIns/`
5. Execute the `ls` command to view the directory and you should see amongst the other plug-ins one called 'AppleVerizonSupport.kext' and the other called 'AppleVerizonSupportKicker.kext'. If you do not see these directories then you are probably not running Mac OS X 10.3.5 or later as they are installed by default.
6. To enable support for the Sierra Wireless card we need to change the Vendor ID number in the two Info.plist files contained within the two kexts above. I like to use pico, but any text editor will do.
 - a) Type
`sudo pico AppleVerizonSupport.kext/Contents/Info.plist`
 - b) Scroll down until you see a line that says `<key>idVendor</key>`
 - c) In the line underneath you should see `<integer>3901</integer>`
 - d) Replace the number with **4505** (which is the vendor ID of the Sierra Wireless card). Remember to use the delete key below your F12 key on your keyboard. Don't use the forward delete key under the F14 key on your keyboard.
 - e) Save and exit the editor. **Ctrl-o** then **[return]** to save, **Ctrl-x** to exit.

Repeat process for the AppleVerizonSupportKicker.kext

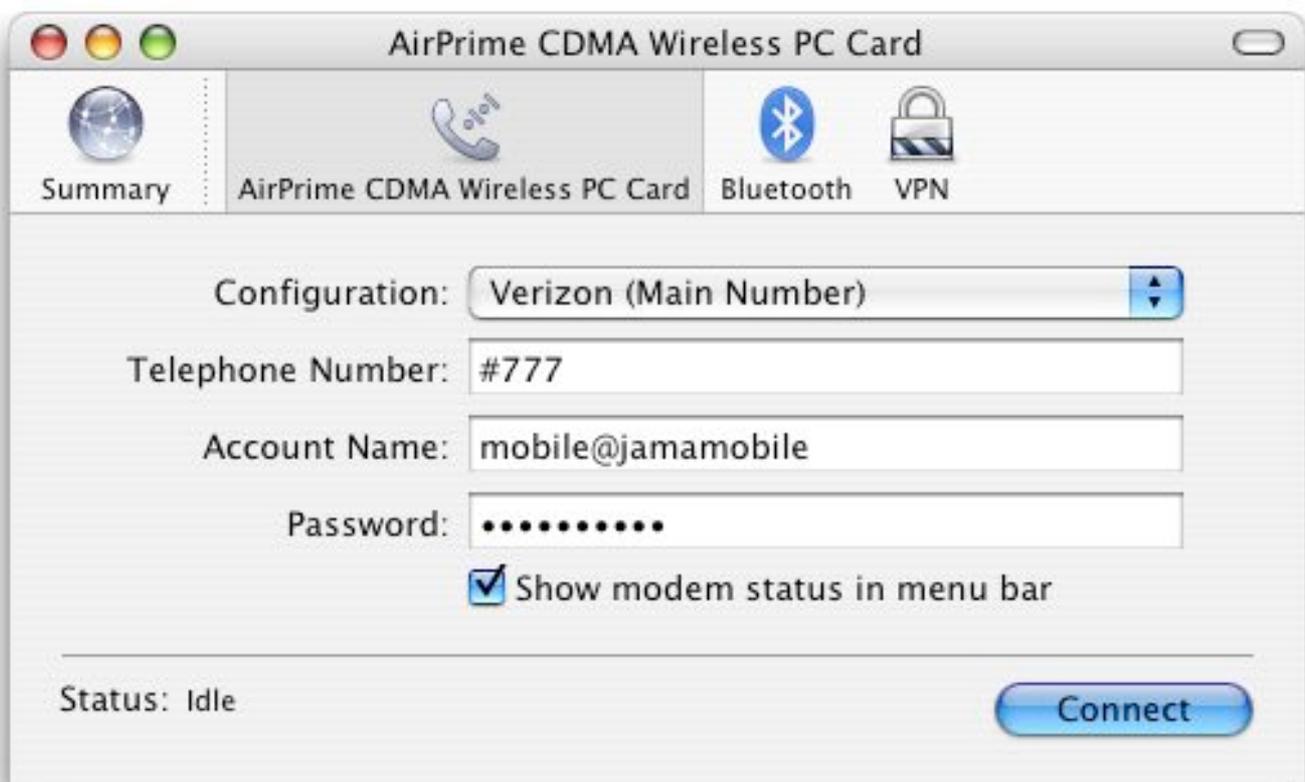
- a) Type
`sudo pico AppleVerizonSupportKicker.kext/Contents/Info.plist`
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- e) Save and exit the editor. **Ctrl-o** then **[return]** to save, **Ctrl-x** to exit.

7. Rebuild the kernel extension cache by executing these two commands:

```
sudo rm /System/Library/Extensions.kextcache
```

```
sudo kextcache -k /System/Library/Extensions
```
8. Restart your Mac. Or you could restart your mac from inside Terminal with this command

```
sudo shutdown -r now
```
- 8b. Log in again as an admin user.
9. Insert the Sierra Wireless AirCard 580
10. When the dialog box will pops up asking you if you want to configure it. Click OK.
11. You'll also be asked for an admin user's password. Type it in. Click OK and it will create a new Network Port Configuration called "AirPrime CDMA Wireless PC Card" for your currently selected Network Location. You'll see this in the Network system preference.
12. In this new port config check that the following are set for you; Service Provider, Account Name (mobile@jamamobile), Password (telecom) and Telephone Number (#777) which is the phone number just about everywhere. That account name and password combination works in NZ.
13. Open the Internet Connect application. Check that the same settings are set here too. If your window looks like the one in the screenshot then everything is set right. Choose AirPrime CDMA Wireless PC Card and click Connect. If the authentication fails, retype the given password in to the Password field and Connect again.



14. Use the new Verizon Card menu item to connect to the Internet and enjoy 3G speeds! :-)