Controlling a Roomba Over WiFi

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*This project was submitted by a Create 2 user, and is not verified, tested or endorsed by iRobot

Summary:
Controlling a Roomba over wifi made easy.

Introduction
Connect the USB/serial cable provided by iRobot to a Dell Venue Pro 8 by using a USB OTG adapter. On the Dell tablet, I installed a serial bridge software called Pandora. The Pandora software allows me to connect a remote PC to my iRobot by using simple sockets. The socket capability allows me to create sophisticated algorithms on the PC to control the robot over wifi.

Supplies
• iRobot Create2 + USB/serial cable
• USB OTG cable (solf for $2 on Amazon)
• Dell Venue Pro 8 (can get for $150 on sale, although any Windows 8 tablet would work for this project)
• Pandora TCP-COM Bridge (available at www.apexhyperion.net)
• TCP terminal, or second copy of Pandora TCP-COM bridge on host PC