

## Controlling a Roomba Over WiFi

Submitted By **Andrew**

\*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](http://www.apexhyperion.net))
- TCP terminal, or second copy of Pandora TCP-COM bridge on host PC

