

Talking to the talk with a laptop and router:

If the drone is in adhoc mode, just connect to it with your laptop and then **telnet** into the drone. The adhoc ssid will be something like ARDRONE_XXXXXX.

-The IP address of the drone is 192.168.1.1, which is given by the drone's dhcp server

In the drone, there are a couple scripts I've put in the data directory. *ap.sh* is the script that switches the drone from adhoc to infrastructure mode and tells the drone what ssid to use. *set_wifi.sh* calls *ap.sh*. By default, the drone's init script will have *set_wifi.sh* commented out so it doesn't run. You can uncomment it out if you want to enable infrastructure mode. Make absolutely sure that you know what ssid the drone will connect to by looking at *ap.sh*. The init script is */etc/init.d/rcS* and the line you need to look for is towards the bottom (*/data/set_wifi.sh*). Just uncomment this line out (remove the #).

-To connect your laptop to the router, just select the SSID of your router or plug your laptop directly into the wired port and then renew your IP address (dhcp). You can also set the IP address on your laptop manually:

IP: 192.168.1.10

Netmask: 255.255.255.0

Gateway: 192.168.1.254

-To connect your iphone to the drone, select the SSID of your router and manually specify the IP address. You could use DHCP, but the drone iphone app needs a specific IP address range else the application hangs.

IP: 192.168.1.4

Netmask: 255.255.255.0

Gateway: 192.168.1.254

If you reset your router or need to configure a new one, here are the settings:

Router or network IP: 192.168.1.254 (any local ip that is only 192.168.1.1)

Netmask: 255.255.255.0

Enable dhcp, but make sure to set the starting address to something after 192.168.1.10 to ensure the lower numbers are reserved for the drone.