

Hardware Setup for FMS Light

NOTE: This procedure assumes each teams robot is starting as correctly set up to run off their own routers as specified in the FIRST 09 controller handbook, chapter 5)

1. Connect the venue supplied computer to the router and access the router from a browser (192.168.1.1)
 - a. Default login: (blank)
 - b. Default password: admin
2. In the router, disable the 2.4ghz Wireless and set the 5.0ghz Wireless to an 802.1n only network. The name of this network can be whatever you want. Security is optional.
3. Distribute the name and password for the security (if applicable) to the teams.
4. Each team must configure the wireless bridge on their robot with the following changes:
 - a. SSID for wireless network set to the name distributed to them
 - b. Password for security the password distributed to them (if applicable)
5. Set the computer running FMS Light to a static IP of 10.0.0.1 and Subnet Mask of 255.0.0.0. The default gateway and DNS should be blank
6. Connect cables from field to router. Done

To test if a robot is setup correctly, power it on and have the computer running FMS Light ping the robot (start menu -> run -> cmd -> type: *ping 10.xx.yy.1* where xxyy is the teams team number). If the ping is successful, the robot is communicating with the field correctly.