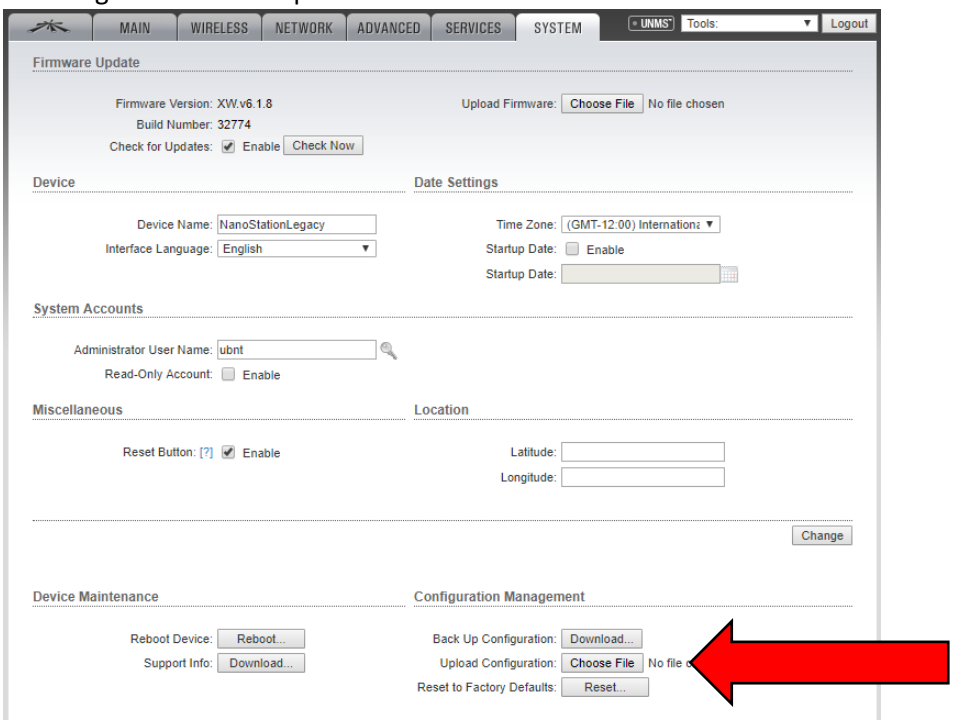
WISPr SYSTEMS

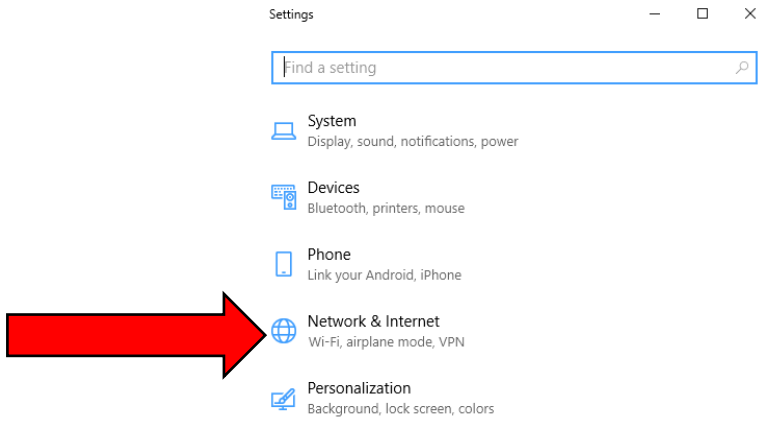
Ubiquiti Legacy CPE Configuration Guide

Setup Legacy Configurations

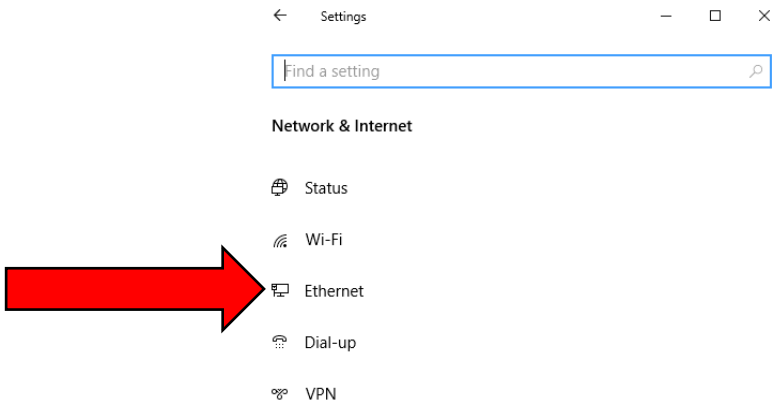
1. A Ubiquiti Legacy configuration file can be downloaded at https://wisprsystems.com/support/, under the name “Ubiquiti Legacy Configuration file”, this can be used to upload to your CPE to confirm the network lines up with the WISPr OS network. The picture seen below shows where to choose the configuration file to upload to the CPE.



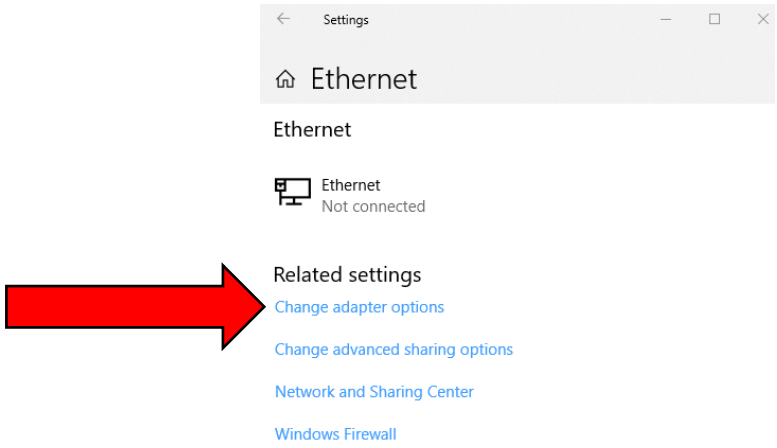
2. After uploading the configuration to the CPE, the user can connect/power the CPE via the WISPr drone's POE and the WISPr OS and move to step 3 or do as done below in a.
    a. If using a POE Switch and a computer to configure the CPE, configure your computer network as shown below in i-viii.
        i. To accomplish this first search for "Settings" then click and open.
        ii. Next click "Network & Internet" as seen in the picture below.



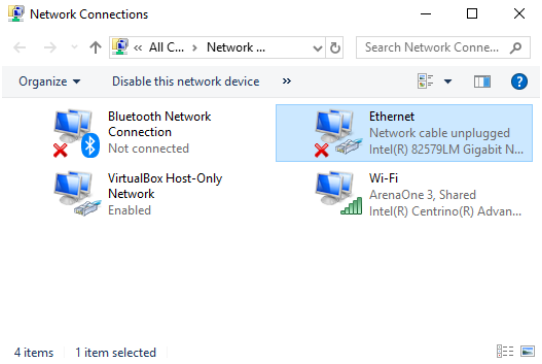
        iii. Next click "Ethernet" as seen in the picture below



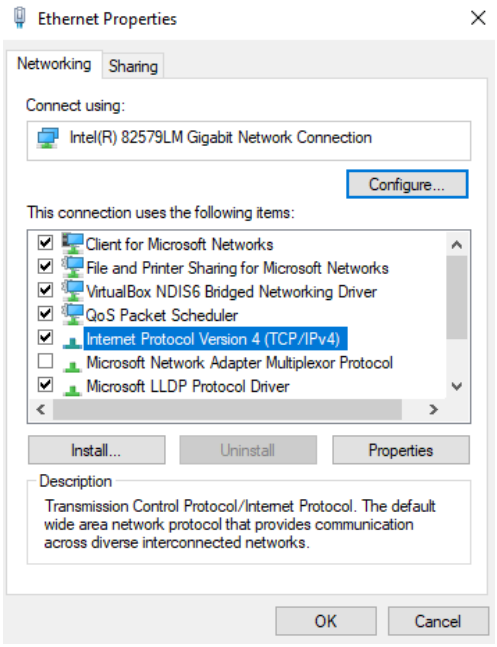
iv. Next click “Change adapter options” as seen in the picture below.



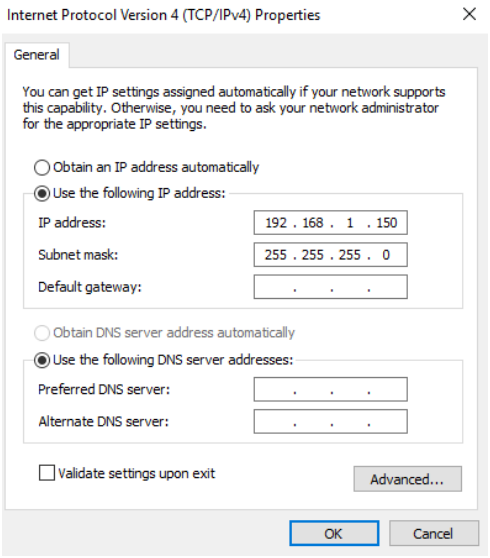
v. Next click the adapter in which your ethernet cable is plugged in, in this example ours is the Intel® 82579LM Gigabit ethernet port, which means click “Ethernet”, this can be seen in the picture below



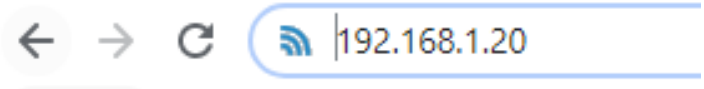
vi. Next click “Internet Protocol Version 4 (TCP /IPv4)” as seen in the picture below



vii. Configure the network as seen in the picture below, then click “OK” when complete

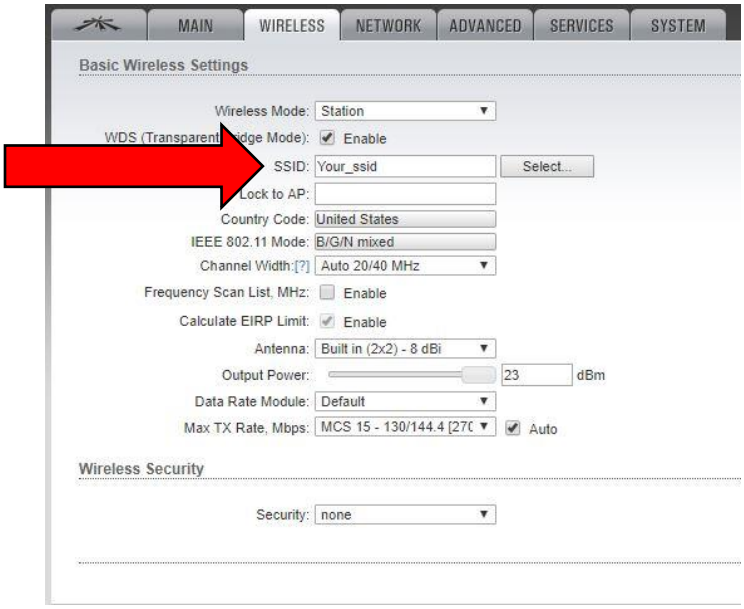


viii. Once this is done open a web browser and go to 192.168.1.20 and move to step 3.

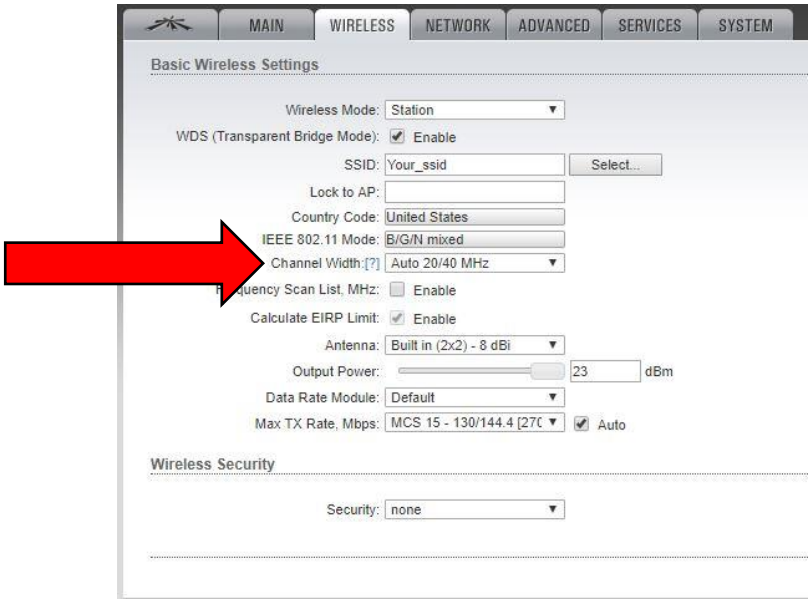


3. Login to the CPE using the credentials seen below
    a. Username: ubnt
    b. Password: wispr

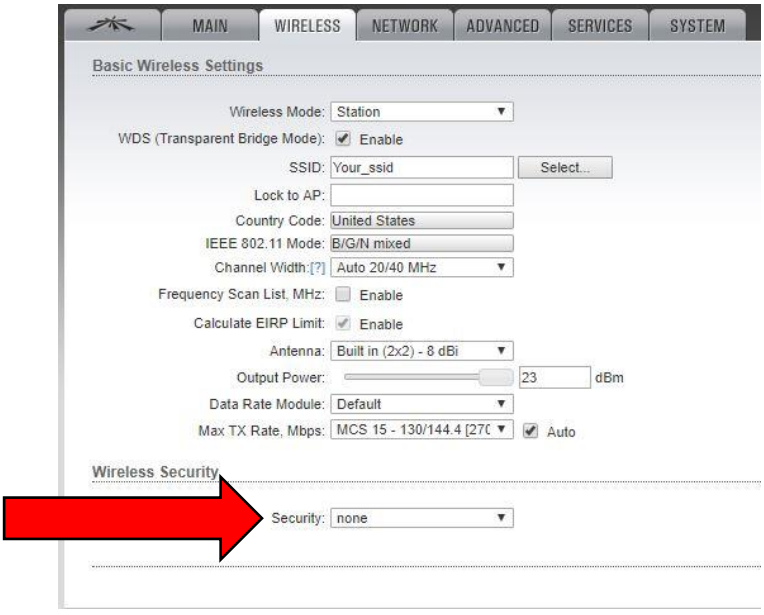
4. Enter your tower's access point (AP) SSID in the box labeled "SSID", as highlighted in the picture below



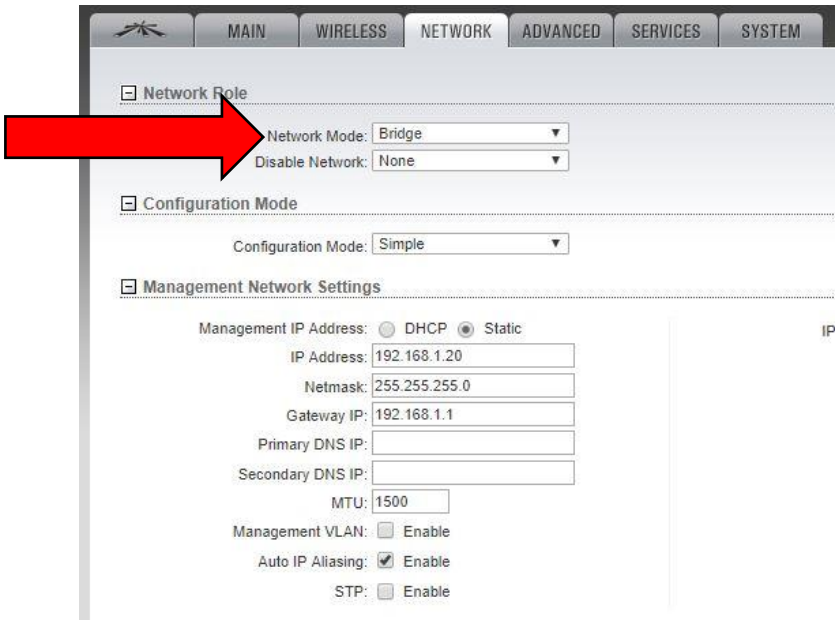
5. Select your channel width by clicking the drop-down box besides the label “Channel Width” and selecting the corresponding channel with to the Tower’s AP SSID as seen in the below.



6. Select your security either none, WPA-AES or WPA2-AES. (none used in example)
    a. If WPA-AES or WPA2-AES is selected, then enter the WPA passphrase that corresponds with the SSID



7. You can run the CPE in “Bridge” (DEFAULT) or “Router” mode, regardless the LAN network on the CPE must be static 192.168.1.20 as seen in the sample configuration below. The example configuration provided by WISPr Systems is in bridge mode.



8. If the CPE is put in “Router” mode, the LAN must remain at a static 192.168.1.20.
9. Save all setting and your antenna is ready to begin survey with the WISPr OS and drone.