Configuring the WET610N for use on the FRC playing field

The WET610N must be configured manually for use on the playing field at an FRC event.



Figure 1: Linksys WET610N Radio

Instructions

- 1. Set IP address and subnet on PC used to configure radio
 - a. IP: 169.254.1.100
 - b. Subnet: 255.255.0.0
- 1. Power on the WET610N radio.
- 2. Using a paperclip, hold down the RESET button of the WET610N radio until the power light begins flashing, then remove the paperclip.
- 3. Wait for the power light to turn solid blue
- 2. Connect an RJ45 Ethernet cable between the WET610N and the computer
- 3. Open a web browser and navigate to http://169.254.1.250
- 4. Login
 - a. Username: admin
 - b. Password: admin

5. Select Wireless->Basic Wireless Settings. Change the Configuration View to Manual.



 Configure SSID, Security Mode, and Passphrase as indicated in the image below, and then save settings. No leading zeroes or added text on SSID. If your team number is 9999, only enter 9999.
Passphrase is case sensitive.

	Dual-Band Wireless-N Garning and Video Adapter WET610					
Wireless	Setup Basic Wireless Settings	Wireless	Administration	Status		
		I Wireless Network Site I Survey I	WMM® I	Advanced Wireless Settings		
sic Wireless Settin	ngs					
	Configuration View:	Manual O Wi-Fi Protected Set	tup™			
	Network Name (SSID):	TEAM_NUMBER				
Wireless Secu	rity	4				
	Security Mode:	WPA2 Personal 💌				
	Encryption:	AES				
	Passphrase:	ENTER KEY PROVIDED BY EVENT	STAFF HERE			
				ahah		
		Save Settings	Cancel Changes	cisco		

7. The WET610N will reboot to the screen shown below, select the Setup tab.

LINKSYS [®] by Ciscon Firmware Version: 1.0.03							
	Dual-Band Wireless-N Gaming and Video Adapter WET610N						
Status	Setup	Wireless	Administration	Status			
	Bridge	Wireless Network					
Wireless Network	c						
	Link Status:	Disconnected					
	MAC Address:	00:23:69:7A:A6:2E					
	Network Name (SSIE)):					
	BSSID:						
	Radio Band:						
	Channel Width:						
	Wide Channel:						
	Standard Channel:						
	Bit Rate:						
	Signal:						
	Security:						

- 8. Change the Bridge IP setting to "Static IP" and configure as shown below, then Save Settings.
 - a. Example #1, Team 9999
 - i. IP: 10.99.99.1, Gateway: 10.99.99.4
 - b. Example #2, Team 999
 - i. IP: 10.9.99.1, Gateway: 10.9.99.4
 - c. Example #3, Team 99
 - i. IP: 10.0.99.1, Gateway: 10.0.99.4

Setup	Dual-Band Wireless-N Gaming and Video Adapter WET610N				
	Setup Basic Setup	Wireless	Administration	Status	
Language	English 💌				
Network Setup Bridge IP	Static IP Host Name:	WET610N			
	Static IP Address: Subnet Mask: Default Gateway:	10 TE AM 1 255 0 0 0 10 TE AM 4			
goahead /EBSERVER				սիսիս	

The Radio is now configured for use on the FRC field.