Rapidlogger Systems

Ubiquiti BulletAC-IP67 Wireless Router Bridge Mode

This tech note describes how to setup two Ubiquiti BulletAC-IP67 Routers in bridge mode to facilitate a long distance WiFi link for a Rapidlogger System.

Equipment needed:

BulletAC-IP67 Router 2 each
2 Antennas with N-Type connectors
2 Ethernet cords
2 POE adapters
2 24V power supply

Factory Set Passwords:

Login admin
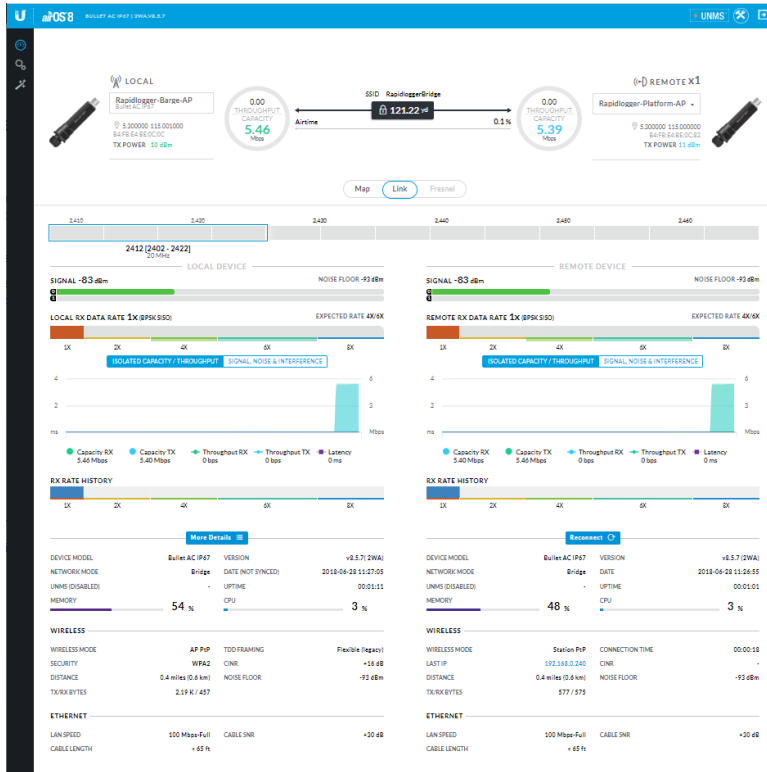Password Rapidlogger-bridge

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Hardware Assembly

1. Unscrew the *Cable Gland Body* and remove it from the BulletAC.
2. Unscrew the *Compression Nut* and push out the *Compression Seal* from inside of the *Cable Gland Body.*
3. Slide the Ethernet Cable through the *Compression Nut.*
4. Open the *Compression Seal* and slip it on around the Ethernet Cable.
5. Run the Ethernet Cable through the *Cable Gland Body.*
6. Connect the Ethernet Cable to the *Ethernet Port* on your BulletAC.
7. Fit the *Compression Seal* back into the bottom of the *Cable Gland Body.*
8. Screw the *Compression Nut* to the *Cable Gland Body .*
9. Tightly Screw the *Cable Gland Body* to the *BulletAC Radio.*
10. Connect the BulletAC to the N-Type connector of your antenna.

Connecting Through Web Portal

1. Connect to your Bullet AC through Wi-Fi using the SSID named: BulletAC-IP67:<MAC Address>.
2. The MAC Address can be found on the bottom of the shipping box with a (G) before it.
3. The MAC Address can also be found on the bottom of the BulletAC under the Ethernet Port.
4. Launch a web browser and go to the URL **http://setup.ui.com**
5. Select your Country and Language, agree to the Terms of Use and click Continue.
6. Create a Username and Password, confirm by pressing Save.
7. In the Wireless section, choose your antenna.
8. Change settings to your preferences and press the Save Changes button at the bottom of the screen.
9. In a bridge configuration one of the two devices needs to be configured as an access point (AP PtP) and one device has to be configured as a Station (Station PtP)
10. For the device being setup as access point upload the Setup File called "**AccessPntSetupRapidloggerBridge.cfg**"
11. For the device being setup as station upload the Setup File called "**StationSetupRapidloggerBridge.cfg**"
12. The menu option to upload setup file is under Settings->System->Upload Configuration
13. Alternately all of the settings can also be performed from the Android APP from Ubiquiti called UNMS

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Testing

1. Once configuration is completed, connect the cables to a Rapid logger system.