1 Hardware Setup for Initial Configuration

First you must set up the hardware according to the diagram on the right for the initial setup of the Outdoor Smart Repeater. After the initial setup is complete, you may relocate the repeater and mount it in your desired location.

A. Attach the antennas to the antenna connectors (The L-Shape connector establishes signal diversity. It is highly recommended to use the L-shape connector for optimal wireless performance)
B. Attach an Ethernet cable from the PoE Injector port labeled “Power” to the Ethernet Port on the Outdoor Smart Repeater.
C. Attach the power adapter and power cable to the PoE Injector

2 Accessing the Smart Repeater for Initial Configuration

There are two ways to access the smart repeater: (1) Wireless Connection, or (2) Wired connection.

(1) To access the repeater using a wireless connection: Use a computer with wireless network, connect to the Repeater by searching for the wireless network named: Outdoor_Repeater.

(2) To access your repeater using a wired connection, you must connect your computer to the port labeled “LAN” on the PoE Injector using an ethernet cable. Note: LAN port is located next to the power plug. Also, be sure that you have the hardware setup as instructed in Step 1.

Using the same computer, open a web browser and type in the following web address in the web address bar: http://192.168.5.220

Once the page loads, enter the following login information:
Login: admin
Password: 1234
Click Login to continue.

3 Configuration Settings

The Setup Wizard will now prompt you to automatically configure your IP settings (recommended) and enter a security key* if the network you are connecting to is an encrypted network. Enter the key and click Continue.

*If you do not know the security key of the network you are connecting to, consult the network administrator.

Click Scan to find your wireless Internet connection. After the list appears, select the connection and click Connect.

If the signal strength is low or your network does not appear, you may need to readjust your location of your Repeater or the position of its antennas. The “Hawking” Logo should face towards the wireless source. Click Scan to try again. Click Connect to continue.
With the initial configuration complete, you may now mount the Smart Repeater in your desired location.

See the instructions below on how to install the Repeater with the included mounting kit.

**Mounting and Assembly Instruction**

1. Square Nut (2 pcs)
2. M5-12 Screw (2 pcs)
3. M Shape Mounting (1 pc)
4. Pole (not included)
5. Hose Clamp (1 pc)
6. Wall Screw (2 pcs)
7. Wall Anchor (2 pc)
8. Wall (not included)
9. Omni-Directional Antenna (2 pcs)
10. RJ-45 Connector (1 pc)
11. Water Proof Gasket Kit for RJ-45 (1 pc)

**Complete Setup**

The setup of your Repeater is now complete. If you wish to change the name (SSID) of your home/office wireless network (Outdoor_Repeater) you may do so here.

If you wish to add a wireless security password to your home/office network you may enter one here. All users logging in through the Repeater will be required to enter this passcode.

Click Finish to complete your setup then click Apply to confirm settings and reboot. The wizard will prompt you to test your Internet connection after the system has rebooted.

The HOW2R1 has many additional setup features. To access these settings you may click on any of the main menu tabs located on the interface: General Setup, Status and Tools.

For more information on the advanced features and settings of the Hi-Gain™ Outdoor Wireless-N Dual Radio Smart Repeater please refer to the User’s Manual.

**Find an Optimal Installation Location**

To obtain the best performance, your Hi-Gain™ Outdoor Wireless-N Dual Radio Smart Repeater should be placed in an optimal location in your home or office. Find a location that is closest to the wireless Internet connection that you are trying to connect to. The Hawking Logo on the front should face the direction of the wireless internet connection.

Before mounting the Repeater, use the configuration setup (Steps 2-4) to ensure the Repeater has found a strong signal to repeat.

**Position your Dual Radio Smart Repeater**

With the initial configuration complete, you may now mount the Smart Repeater in your desired location.

See the instructions below on how to install the Repeater with the included mounting kit.