

3Gstore Long Range Invisible Ethernet Bridge User Guide 1.0 READ THIS FIRST

Section 1: Planning your installation

Before installing any part of your Bridge Kit, the first thing you will do is plan your installation. The Bridge Kit has two antennas, Side A and Side B. In order for the Bridge Kit to function at the longest range possible with the highest data speeds, the antennas must be installed facing each other with direct line of sight, without any interference from trees or other buildings, etc.

Over longer distances, Google Maps can aid you in aiming and installing both ends of the Bridge Kit. The map below is an example installed line of sight over about 850'. The Bridge Kit can function at distances well over 1 mile, but requires more precise aiming and clear line of sight between the two antennas.



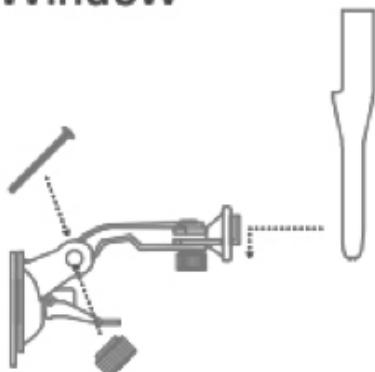
Side A of the Bridge Kit will be installed at the primary location (location of your router or main network).

Side B will be installed at your remote location where you need to bring network/internet access.

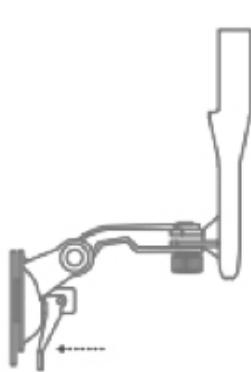
Section 2: Mounting The Antennas

Option 1: Window/Wall mounting kit

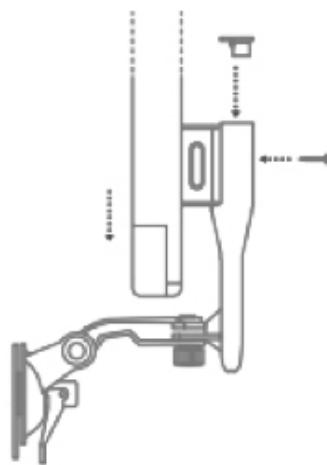
Window



1. Assemble Mount

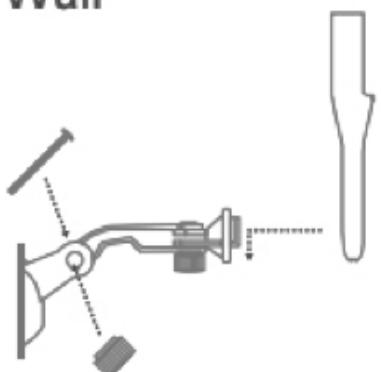


2. Secure on window

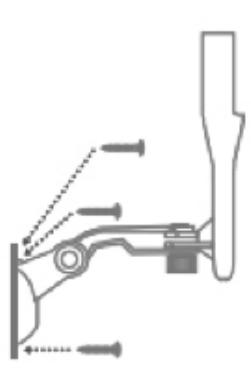


3. Secure Device on Mount

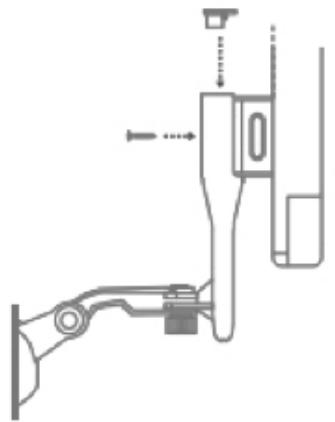
Wall



1. Assemble Mount



2. Secure on wall



3. Secure Device on Mount

Window: Aiming through a window can reduce overall range and data speeds of the Bridge Kit. For the longest range use one of the other mounting options.

Wall: Depending on the material, the included screws and anchors may not be appropriate. Please consider the material and use an anchor designed for the surface material.

Option 2: Pole Mount (recommended for long term, outdoor installations)

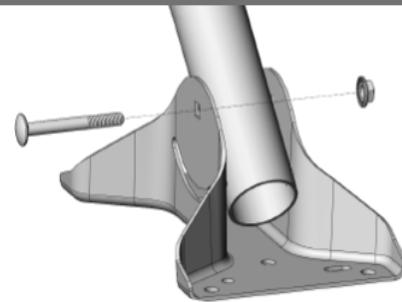
If you are using an existing pole, skip to Part 2.

Part 1: The included Pole Mount will allow you to install the Bridge Kit on any horizontal or vertical surface, and adjust the pole upright for proper antenna placement. Mount the base securely using appropriate anchors for the material (not included).

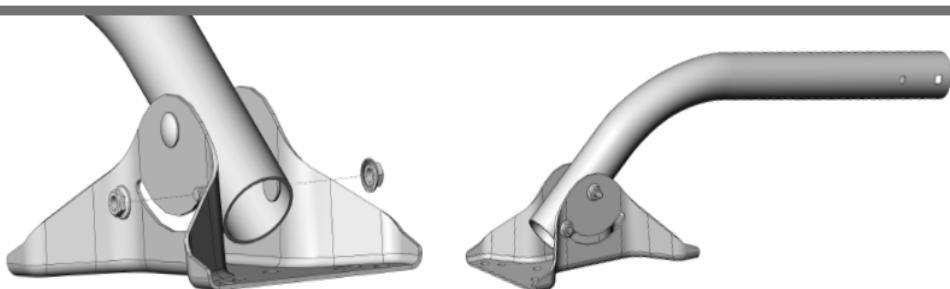
- 1 Install the base to the mounting surface



- 2 Install the pole to the base using pivot bolt



- 3 Install adjusting bolts



Part 2: With the Pole Mount complete, assemble and attach the U-Bolt Mount to the Bridge Kit, as pictured below. Slide the Bridge Kit over the top of the Pole Mount and tighten the U-Bolt.

The Bridge Kit also includes zip ties for mounting. These are not recommended for long term installation, but can provide a temporary installation for testing purposes.

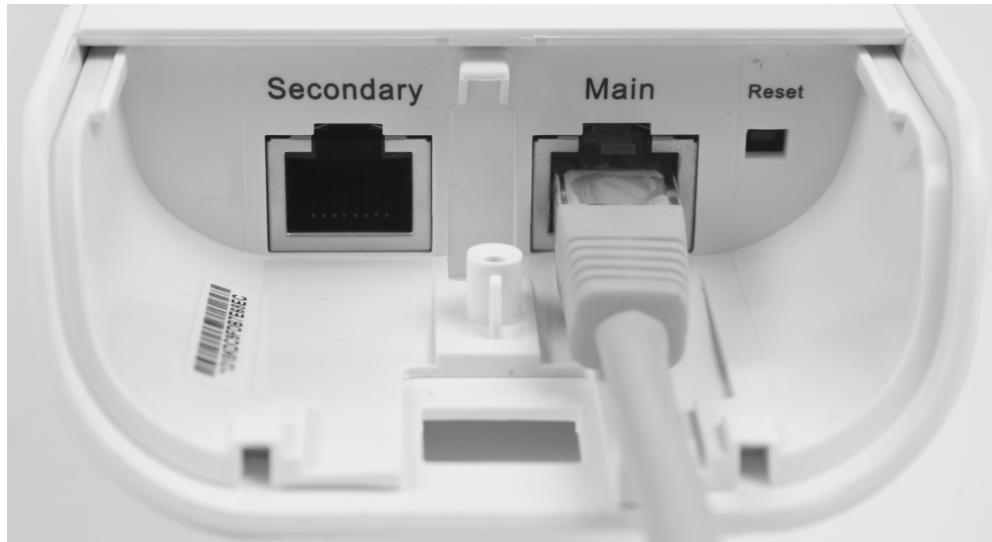


Section 3: Power

Part 1: Installation

The Bridge Kit is powered by POE (Power Over Ethernet) and doesn't require a power outlet at the same location the antenna will be installed. The included POE injector plugs into a traditional outlet, and sends out power using a standard ethernet cable of up to 300' in length.

1. Plug the POE injector into a standard 110v-240v outlet.
2. Connect an ethernet cable to the side of the injector labeled "POE".
3. Connect the other side of the ethernet cable to the "Main" port on the antenna.
4. The power light on the back left side of the antenna will illuminate green.



When selecting an ethernet cable, it is important to keep in mind the location where you will be installing your antenna. Depending on weather conditions, an outdoor weatherproof ethernet cable is recommended.

Part 2: Sealing the connection

Using one of the included silicone strips, wrap the ethernet cable where it passes through the bottom of the antenna casing. This will prevent any moisture from entering the Bridge Kit.

Section 4: Connecting to the network

The Bridge Kit includes two antennas that have been preconfigured to work with each other. They have been labeled as 'Side A' and 'Side B'.

Part 1: Side A

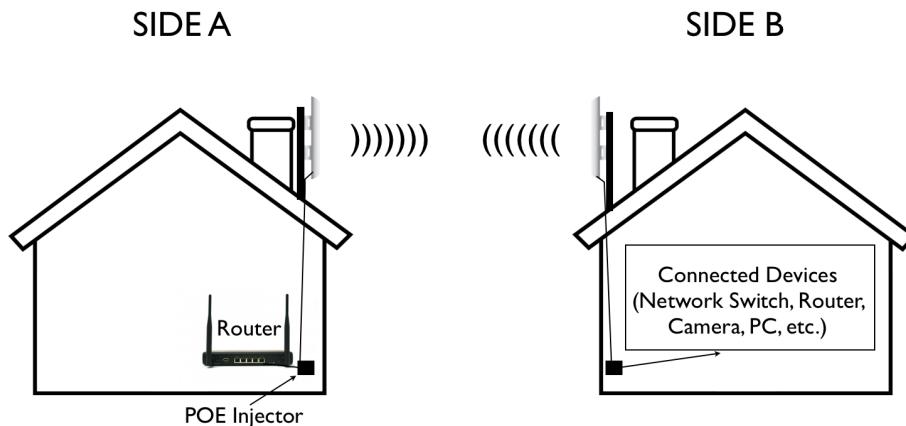
Side A will be connected into your existing network, at the location you currently have a network and internet service setup.

- Connect an ethernet cable to the LAN port of the POE injector, and connect that to a LAN port on your existing network.

Part 2: Side B

Side B will be connected at the remote location where you are trying to bring network and internet access.

- Connect an ethernet cable to the LAN port of the POE injector, and connect that to the connected device of your choice. This can be a network switch, another router, direct to a PC or laptop, IP cameras, etc.



Part 3: Verify the connection

With Side A and Side B mounted, powered, and connected to their respective devices, it is time to verify connectivity. Each antenna has link lights that will indicate if there is an active connection to the other side of the network. There are 4 link lights, and dependent on signal strength to the other station 1 to 4 lights will come on.



Congratulations! If you have 1 to 4 link lights, you are done!