



FAILOVER ROUTER SETUP GUIDE

Networking Terms Defined:

- **ISP Equipment** - Internet Service Provider (ISP), refers to the Modem/Router Equipment that was provided by your ISP (Charter, Spectrum, AT&T, etc.)
- **WAN** - Wide Area Network, generally refers to the internet
- **LAN** - Local Area Network, refers to devices behind the modem
- **DHCP** - Dynamic Host Configuration Protocol, a plug and play feature

Questions to Answer prior to Deployment:

- Which devices on the Location's network do you want to utilize for the Wireless Backup? *Backing up your VoIP phone system, financial network (POS devices, ATMs, credit card terminals, etc.) are highly recommended.*
- Is DHCP enabled on the devices that will utilize Wireless Failover?
- Are the devices you want to backup sitting behind a switch?
- Which ethernet cable is your WAN (internet) connection?

Four Deployment Options:

- Backing Up The Entire Network (*pages 2-4*)
- Backing Up Select Devices (*pages 5-7*)
- Backing Up a Single Device (with a switch) (*pages 8-10*)
- Backing Up a Single Device (without a switch) (*pages 11-13*)

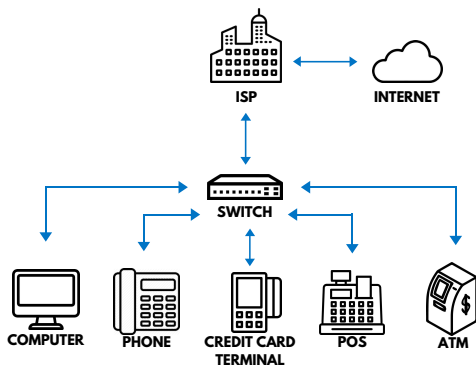




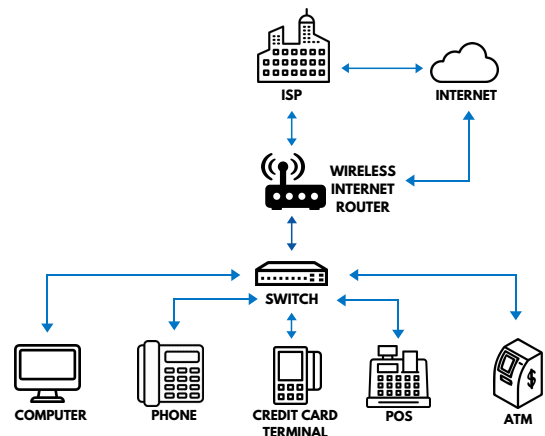
FAILOVER ROUTER SETUP GUIDE

Backing Up the Entire Network

Network Set-Up Prior to Deploying Wireless Failover



Network Set-Up After Deploying Wireless Failover

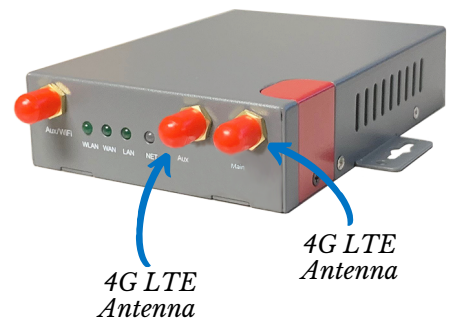


Set-Up Instructions

To set up failover on the entire network, the router must sit between the ISP Equipment and the Location's Switch.

Step 1:

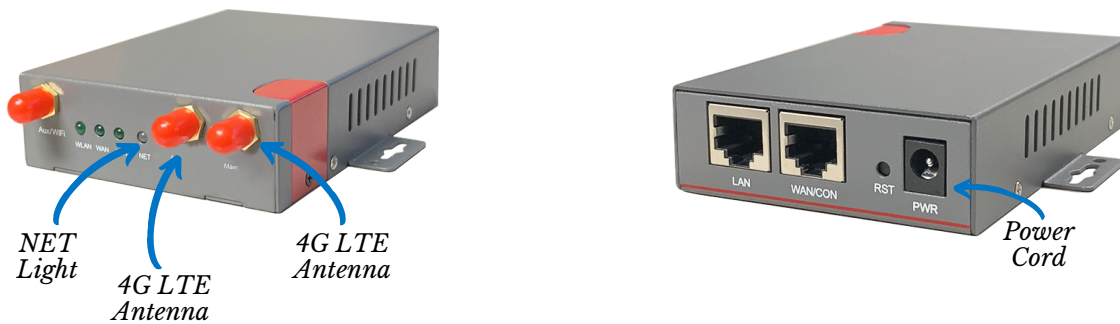
First, take your Failover Router and the contents (power supply, two antennas, and Ethernet cable) out of the box. Connect the two antennas to the front of the Failover Router.





FAILOVER ROUTER SETUP GUIDE

Backing Up the Entire Network *(continued)*



Step 2:

Power up the router by connecting the male end of the Power Supply to the PWR socket on the back of the router and the other end to a wall outlet.

Note: When the NET light slowly flashes green, you have successfully connected to the cellular router internet and can begin the installation of the Failover Router onto the Location's Network.

Step 3:

Find the Ethernet cable that connects the ISP equipment to the Location Switch and disconnect the Ethernet cable from its port on the Location's Switch.

Note: This will cause an interruption in your internet service that will resume once the installation of the Failover Router is completed successfully.

Step 4:

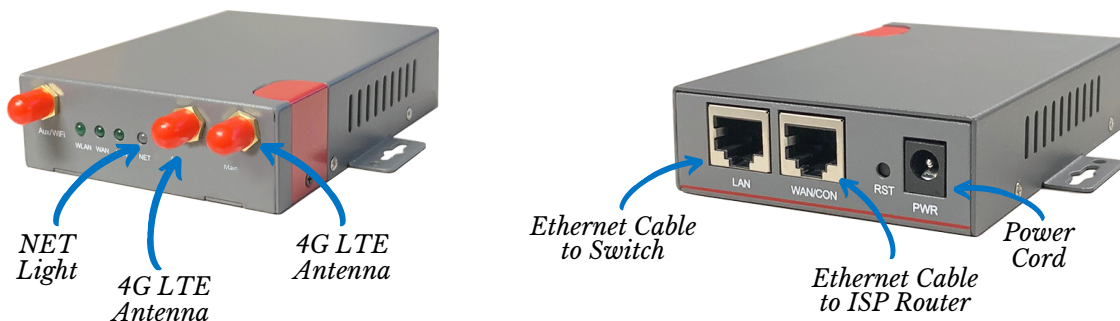
Take the Ethernet Cable that came with the Failover Router and connect it to the port on the switch that you removed the Ethernet Cable from previously in Step 3.





FAILOVER ROUTER SETUP GUIDE

Backing Up the Entire Network *(continued)*



Step 5:

Take the Ethernet cable that you disconnected from the Location's Switch and connect it to the WAN Port of your Failover Router.

Note: When the NET light is solid green, it indicates you are using the location's internet.

Step 6:

Take the Ethernet cable that you connected to the Location's switch and connect it to the LAN port of the Failover Router.

Step 7:

Wait a couple of minutes for the Failover Router to connect, then reboot all devices that are connected to the Location's Switch except the Failover Router.

Step 8:

To test the Failover, make sure the NET light on the front of the router is solid green. Unplug the Ethernet cable from the WAN port of the Failover Router. Wait 10 - 15 seconds and the NET light should be flashing green. This means it has failed over and is offering internet through the cell antennas. Plug the Ethernet cable back into the WAN port on the Failover Router and wait about 15 seconds. The NET light should be solid, indicating it is using the Location's ISP.

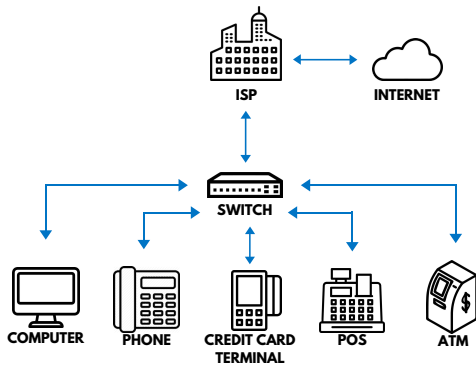




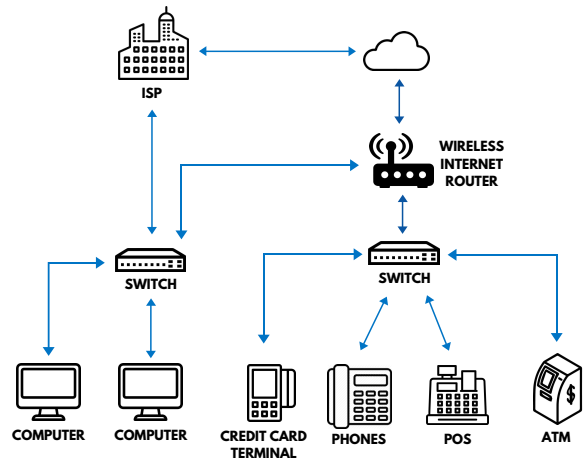
FAILOVER ROUTER SETUP GUIDE

Backing Up Select Devices

Network Set-Up Prior to Deploying Wireless Failover



Network Set-Up After Deploying Wireless Failover

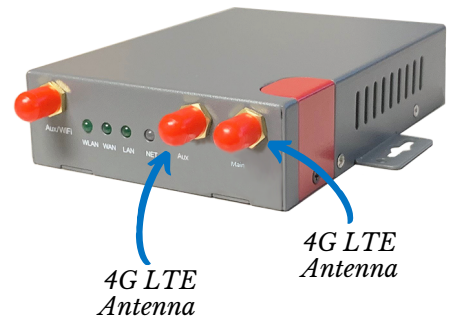


Set-Up Instructions

To backup select devices on your network, but not the entire network, you will need another switch and an additional Ethernet cable. This will allow you to choose which devices you will use the Failover Router to backup.

Step 1:

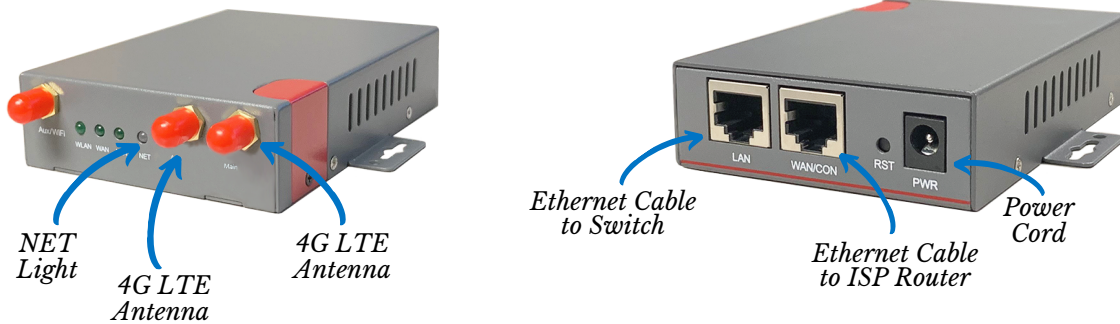
First, take your Failover Router and the contents (power supply, two antennas, and Ethernet cable) out of the box. Connect the two antennas to the front of the Failover Router.





FAILOVER ROUTER SETUP GUIDE

Backing Up Select Devices *(continued)*



Step 2:

Power up the router by connecting the male end of the Power Supply to the PWR socket on the back of the router and the other end to a wall outlet.

Note: When the NET light slowly flashes green, you have successfully connected to the cellular router internet and can begin the installation of the Failover Router onto the Location's Network.

Step 3:

Using the **new** Ethernet Cable, connect one end of the cable to the Location's existing switch. Connect the other end of the **new** Ethernet cable to the WAN port of the router.

Note: When the NET light is a solid green the Failover Router is using the location's internet.

Step 4:

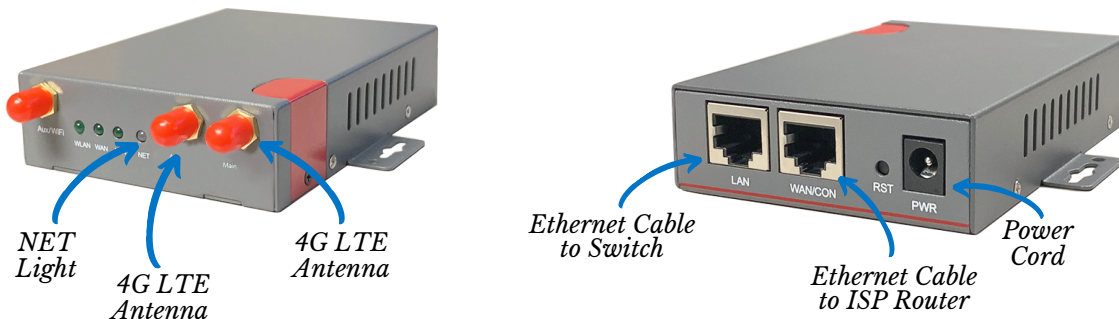
Take the Ethernet cable that was provided with the Failover Router and connect it to one of the open ports on the Location's **NEW** Switch. Take the other end of the Ethernet cable and insert it into the LAN port of your Failover Router.





FAILOVER ROUTER SETUP GUIDE

Backing Up Select Devices *(continued)*



Step 5:

Determine which devices you want backed up by Wireless Failover. Move all the device's Ethernet cables from the Location's existing switch to the Location's new switch.

Step 6:

Wait a couple of minutes for the Failover Router to connect, then reboot all devices that are connected to the Location's NEW Switch except the Failover Router.

Step 7:

To test the Failover, make sure the NET light on the front of the router is solid green. Unplug the Ethernet cable from the WAN port of the Failover Router. Wait 10 - 15 seconds and the NET light should be flashing green. This means it has failed over and is offering internet through the cell antennas. Plug the Ethernet cable back into the WAN port on the Failover Router and wait about 15 seconds. The NET light should be solid, indicating it is using the Location's ISP.

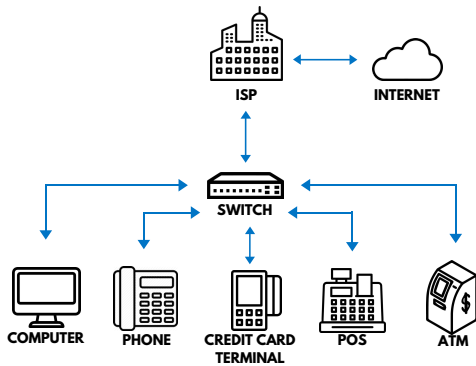




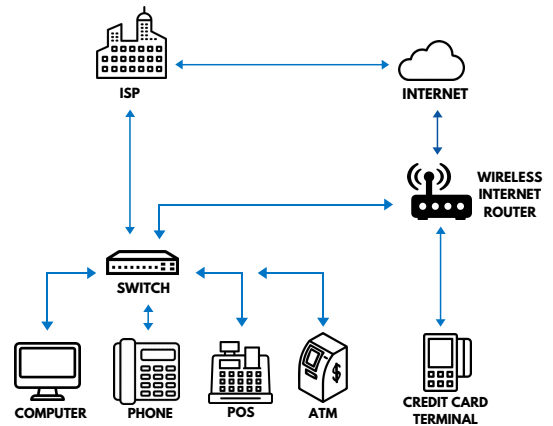
FAILOVER ROUTER SETUP GUIDE

Backing Up One Device with a Switch

Network Set-Up Prior to Deploying Wireless Failover



Network Set-Up After Deploying Wireless Failover

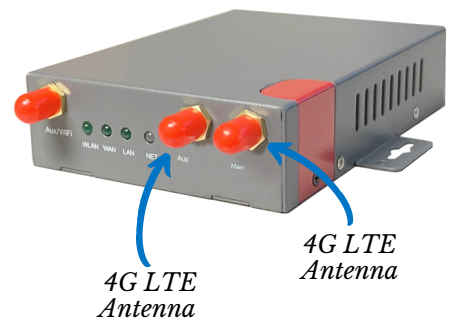


Set-Up Instructions

To set up failover on one device with a switch, the router must sit between the ISP Equipment and the device you wish to backup.

Step 1:

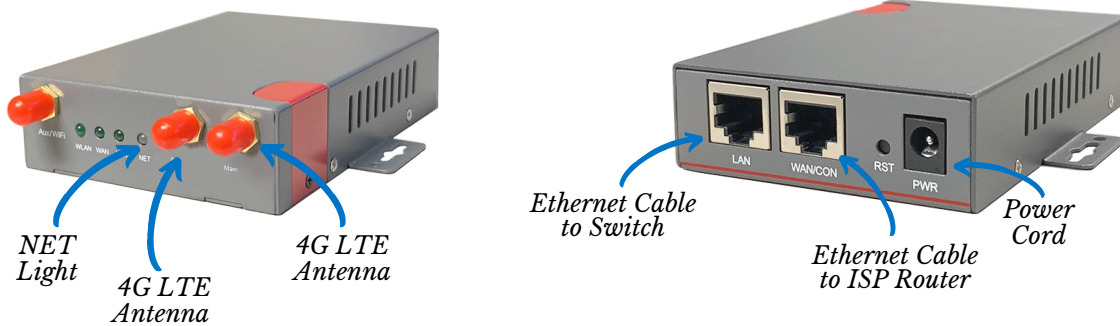
First, take your Failover Router and the contents (power supply, two antennas, and Ethernet cable) out of the box. Connect the two antennas to the front of the Failover Router.





FAILOVER ROUTER SETUP GUIDE

Backing Up One Device with a Switch *(continued)*



Step 2:

Power up the router by connecting the male end of the Power Supply to the PWR socket on the back of the router and the other end to a wall outlet.

Note: When the NET light slowly flashes green, you have successfully connected to the cellular router internet and begin the installation of the Failover Router onto the Location's Network.

Step 3:

Take the Ethernet cable that was packaged with the ExpressNet Router and connect it to a port on the switch. Connect the other end of the Ethernet cable to the WAN port of the Failover Router.

Note: When the NET light is a solid green the Failover Router is using the location's internet.

Step 4:

Find the Ethernet cable going from the switch to the device you want to back up, and detach it from the switch.

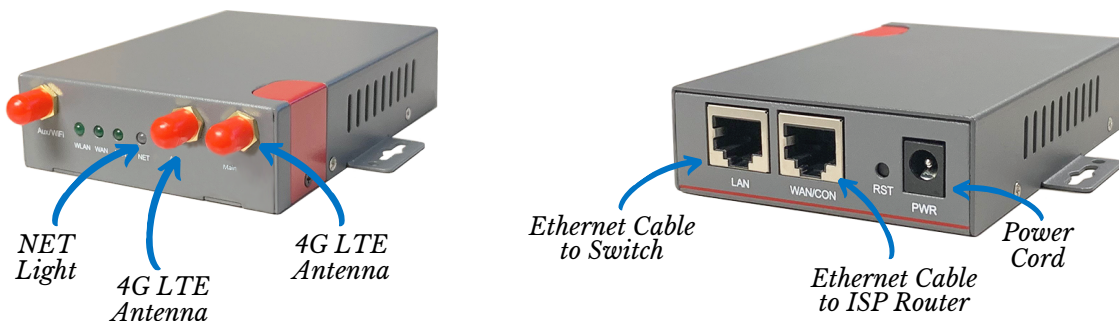
Note: This will result in an interruption in internet service for the device you have chosen. It will resume once you have successfully installed the Failover Router





FAILOVER ROUTER SETUP GUIDE

Backing Up One Device with a Switch *(continued)*



Step 5:

Take the end that you previously detached from the Switch and connect it to the LAN port on your Failover Router.

Step 6:

Wait a couple of minutes for the Failover Router to connect, then reboot the device that you connected to the Failover Router.

Step 7:

To test the Failover, make sure the NET light on the front of the router is solid green. Unplug the Ethernet cable from the WAN port of the Failover Router. Wait 10 - 15 seconds and the NET light should be flashing green. This means it has failed over and is offering internet through the cell antennas. Plug the Ethernet cable back into the WAN port on the Failover Router and wait about 15 seconds. The NET light should be solid, indicating it is using the Location's ISP.

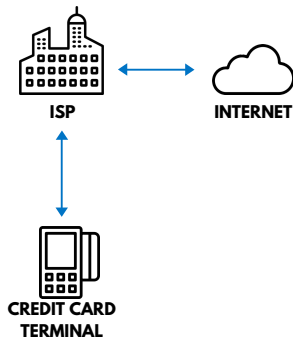




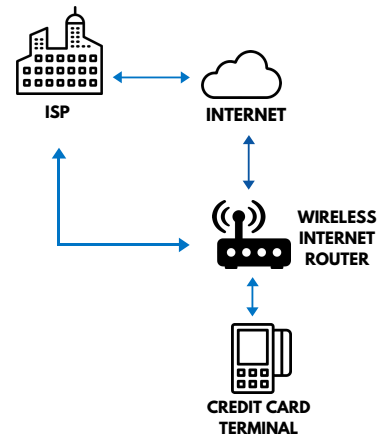
FAILOVER ROUTER SETUP GUIDE

Backing Up One Device without a Switch

Network Set-Up Prior to Deploying Wireless Failover



Network Set-Up After Deploying Wireless Failover

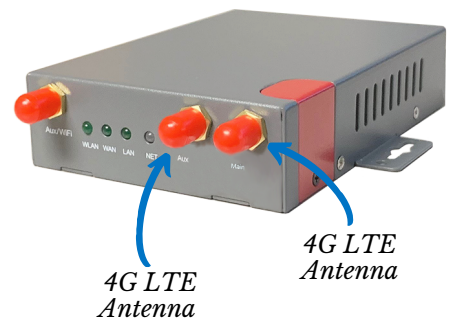


Set-Up Instructions

The networks usually have ISP equipment and a device (such as computer, POS, etc.) that uses a direct connection to the internet.

Step 1:

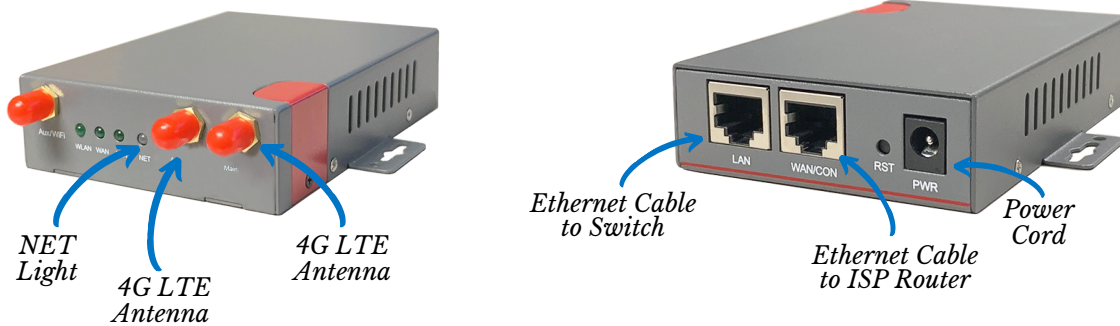
First, take your Failover Router and the contents (power supply, two antennas, and Ethernet cable) out of the box. Connect the two antennas to the front of the Failover Router.





FAILOVER ROUTER SETUP GUIDE

Backing Up One Device without a Switch *(continued)*



Step 2:

Power up the router by connecting the male end of the Power Supply to the PWR socket on the back of the router and the other end to a wall outlet.

Note: When the NET light flashes green, you have successfully connected to the cellular router internet and can begin the installation of the Failover Router on the Location's Network.

Step 3:

Find the Ethernet cable that connects the ISP Equipment to the device you wish to backup. Disconnect the Ethernet cable from the device and connect it to the WAN port on the Failover Router.

Note: This will cause an interruption in your internet service that will resume once the Failover Router is successfully installed.

Step 4:

Take the Ethernet cable that was packaged with the ExpressNet Router and connect it to the device you wish to back up. Connect the other end of the Ethernet cable to the LAN port of the Router.

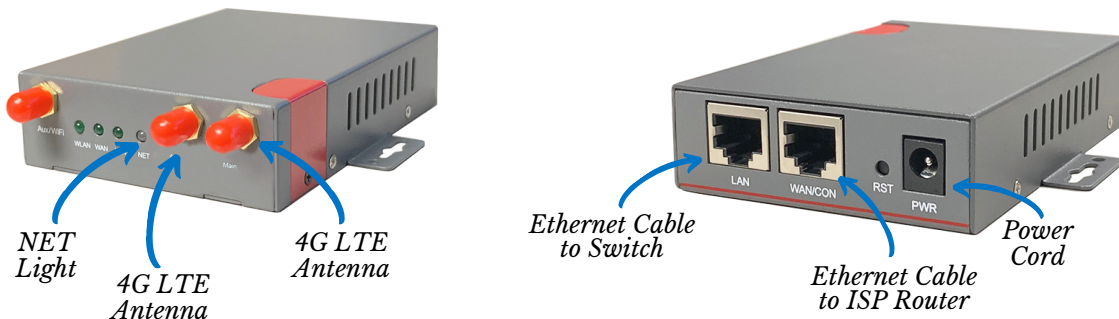
Note: When the NET light is a solid green then the Failover Router is using the location's internet.





FAILOVER ROUTER SETUP GUIDE

Backing Up One Device without a Switch *(continued)*



Step 5:

Wait a couple of minutes for the Failover Router to connect, then reboot the device that you connected to Failover Router.

Step 6:

To test the Failover, make sure the NET light on the front of the router is solid green. Unplug the Ethernet cable from the WAN port of the Failover Router. Wait 10 - 15 seconds and the NET light should be flashing green. This means it has failed over and is offering internet through the cell antennas. Plug the Ethernet cable back into the WAN port on the Failover Router and wait about 15 seconds. The NET light should be solid, indicating it is using the Location's ISP.

