

5G GATEWAY BGW830-900

SAFETY AND REGULATORY INFORMATION

SAFETY GUIDELINES

ALWAYS READ THE AT&T 5G GATEWAY QUICK START GUIDE BEFORE SET UP OR USE OF THE BGW830-900 PRODUCT. IT IS YOUR RESPONSIBILITY TO FAMILIARIZE YOURSELF WITH THE PRODUCT USER GUIDES AND WARNINGS, AND TO USE THE PRODUCT PROPERLY.

Installation and Safe Usage Instructions:

1. Place the Gateway in a vertical orientation on a flat surface.
2. To improve reception, place the equipment near a window, avoid placing it in direct sunlight.
3. Connect the manufacturer's supplied AC to DC power adapter. The BGW830-900 Gateway requires the use of a 12VDC, 3.5A Jack power adapter. Only use a manufacturer supplied and approved power adapter.
4. Always first plug the mains adapter lead into the BGW830-900 then the adapter into the mains wall socket. If you do not follow this order of connection, you may get an electric shock.
5. Connect one Ethernet cable (not provided) to the RJ45 yellow port on one end and to the Ethernet access of your device (laptop or computer). Repeat as necessary with the other available Ethernet port.
6. Connect only to in-house equipment (SELV interface). It is not allowed to connect to public cable distribution or cable television network.
7. Ethernet ports are intended to be connected to indoor cable circuits that are exclusively located within the building where the BGW830-900 is installed, and don't terminate on a remote equipment earthed to a different earthing network.

When using this device, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons including the following:

1. Do not use this product near water and avoid contact with moisture. For example, do not use near a bathtub, wash bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool. Care should be taken so that liquids are not spilled on this equipment.
2. This equipment is for indoor use only, do not place or install in an outdoor location.
3. Place the equipment on a firm, solid surface, at least 20 cm away from any other items. If you place the equipment on something unsteady, the equipment may fall and be damaged. If you place the equipment on a soft surface, such as a rug, sofa, or cushion, the vents on the equipment may be blocked, causing the equipment to overheat.
4. Never insert objects into the vents of this equipment as this can result in the risk of electrical shock or fire.
5. As the power adapter is the only way to connect to the electrical network, the product must be installed near an easily accessed power outlet.
6. This equipment should only be operated with the type of power supply (Voltage and Current) indicated on the marking label, the one provided with the Gateway. The socket-outlet should be easily accessible.
7. Do not overload wall outlets or extension cords. Doing so can result in the risk of fire or electrical shock.
8. Avoid blocking any vent openings or exhaust exits on this equipment. Do not place equipment in a built-in installation such as a cabinet that may impede the flow of air through the ventilation openings. Do not place anything on top of the product.
9. The equipment should be situated away from heat sources such as radiators, heat registers, stoves, or other heat producing appliances and equipment.
10. Care should be taken to ensure that the power cord is routed, so it is not likely to be walked on or pinched by items placed upon or next to it. Check the power cords regularly. If you find any damage, replace the power supply immediately.
11. Unplug this equipment before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning only.
12. This equipment is not user serviceable and is to be serviced by qualified personnel only. Do not disassemble this equipment. If service is required, disconnect all power from the equipment and consult qualified service personnel.
13. To disconnect this equipment from AC power, unplug the power supply from the AC wall socket.
14. The 4G/5Gnr wireless module has an internal antenna. For optimum performance with minimum power consumption, do not shield the device or cover with any object. Covering the antenna affects signal quality and may cause the 4G/5Gnr wireless module to operate at a higher power level than needed.
15. External antennas are not provided with the product. If an outdoor antenna is used, the equipment must be installed by a qualified technician and it is recommended that coaxial cable shielding be earthed, in accordance with national safety regulations for cable distribution networks. External antennas must be compatible with radio-frequency bands of 700MHz, 800MHz, 1.7GHz, 1.8GHz, 1.9GHz, 2.1GHz and 3.3GHz to 4.2GHz. It must respect the following maximum gain:

Band	External Antenna Max gain limit(dBi)
B/n2	: 3.4
B/n5	: 2.8
B12	: 1
B/n14	: 1.9
B/n66	: 3.6
n77	: 2.4(PC2)/2.5(PC1.5)
16. Use the product in the environment specified as below:
 - Air temperature between 0°C (32 F) and +41.7°C (107 F).
 - Relative humidity between 20% and 90%.
 - Altitude: 2743 meters (9000 feet) maximum.

Federal Communications Commission (FCC) Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Modifications:

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC ID: VW3F5984

Radio Frequency Interference Statement

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

FCC regulations restrict the operation of this device to indoor use only. The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device produces radio frequency energy in the 700 MHz, 800 MHz, 1.7 GHz, 1.8 GHz, 2.4GHz, 3.4 GHz to 3.9 GHz and 5 GHz spectrum. The antenna must be positioned to keep a minimum distance of 20 cm from the radiating element to any nearby person.



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