



BelAir20E

BelAir20E

Quick Install Guide

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Getting Started

Package Contents



BelAir20E



Power Adapter



Ethernet Cable



Fastening
Hardware



Quick Install
Guide



Screw Hole
Template



Hardware Description

Internet Port

The *Internet* port of the BelAir unit supports IEEE 802.3af or IEEE 802.3at Power over Ethernet (PoE) from a 48 V DC switch or power injector:

- Use IEEE 802.3af PoE if only connecting to the *Internet* port.
- Use IEEE 802.3at PoE if connecting to the *Internet* port and any of the *LAN* ports.

The PoE switch or power injector must meet local and national regulatory requirements.

Power Connector

The BelAir unit does not have a power switch. It is powered on when connected to a power source. The power adapter automatically adjusts to any voltage between 100~240 volts at 50 or 60 Hz. The BelAir unit draws up to 0.35 A at 48 V DC (16.8 W).



Warning

The AC Power Adapter relies on the rated fuse or circuit breaker of the wall outlet (15 A in North America, 10 A in Europe).

Reset Button

This button is used to restore the factory default configuration using a paperclip or pen tip. If you hold down the button for 15 seconds or more, until all of the LEDs turn off, any configuration changes you may have made are removed, and the factory default configuration is restored to the BelAir20E.



For More Information

The *BelAir20E User Guide* and the *BelAir20E Troubleshooting Guide* are available online at <http://support.belairnetworks.com>.

In general, BelAir Networks recommends that you do the following steps to seek the information you want:

- 1 Refer to the *Troubleshooting Guide* of the unit to see if it describes your situation. If it does, do the provided corrective actions.
- 2 If the troubleshooting guide does not cover your situation, contact your BelAir Networks product representative
- 3 If you still need assistance, use the BelAir Networks online support center at <http://support.belairnetworks.com>
- 4 Finally, if your issue is not resolved, contact BelAir Networks:
 - 613-254-7070, option 2
 - 1-877-BelAir1 (235-2471), option 2
 - techsupport@belairnetworks.com



Installing the BelAir20E

Step 1—Select Location

Choose a proper place for the BelAir unit. In general, the best location is at the center of your wireless coverage area, within line of sight of all wireless devices. For optimum performance, consider these guidelines:

- Mount the BelAir unit as high as possible above any obstructions in the coverage area.
- Avoid mounting next to or near building support columns or other obstructions that may cause reduced signal or null zones in parts of the coverage area.
- Mount away from any signal absorbing or reflecting structures (such as those containing metal).

The BelAir unit can be mounted on any horizontal surface, on a wall or from a hanging ceiling.

The BelAir unit is UL2043 Certified for Plenum mounting. Installers must use Plenum rated Ethernet cable for installations in a building's environmental air space such as above suspended ceilings. Installers must follow local and national codes for above ceiling installations.



Warning

Do not install the BelAir unit in any areas where blasting (blasting caps, radio controlled equipment) or explosive gases may be present.



Warning

The BelAir unit, its AC power adapter, and its cables are not designed for outdoor use. They must be located indoors.



Warning

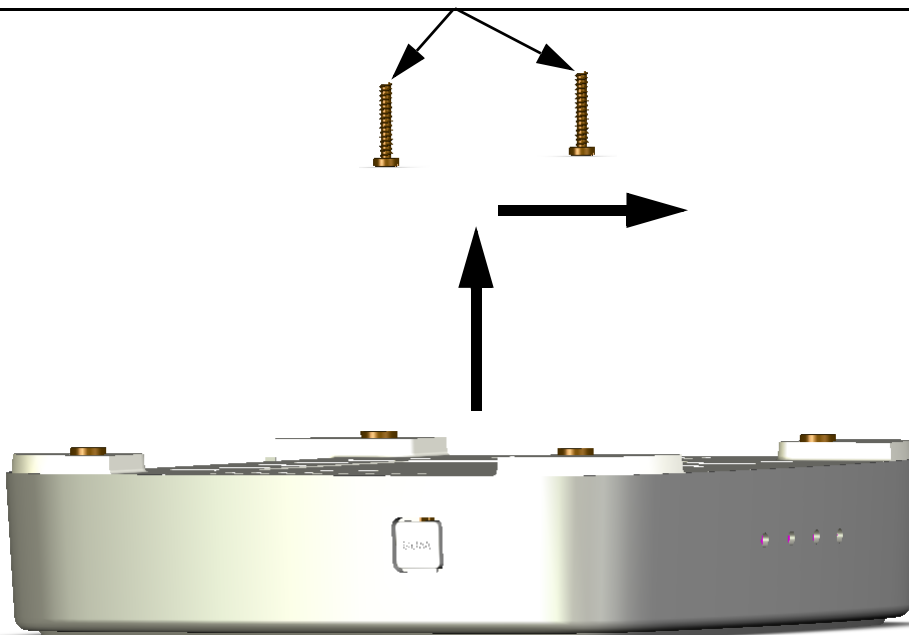
To comply with FCC radio frequency (RF) exposure limits (FCC OET 65C) for the general population, antennas must be located at a minimum distance of 10 8 inches (approx. 25 cm) or more from the body of all persons.



Step 2—Mount on a Flat Surface

The BelAir unit should be mounted only to a flat surface that is at least 1/2-inch plywood or its equivalent. To mount the BelAir unit on a ceiling or wall, always use the pan head Phillips screws provided with the unit.

- I Attach the mounting screws to a ceiling:
 - Use the include Screw Hole Template as a guide.
 - For concrete or brick walls, drill holes and use the included nylon wall plugs.
 - For T-rail installations, drill 3/32-inch (2.4-mm) pilot holes.
 - Leave a 5/16-inch (8-mm) gap so you can slide the BelAir unit over the screw heads.



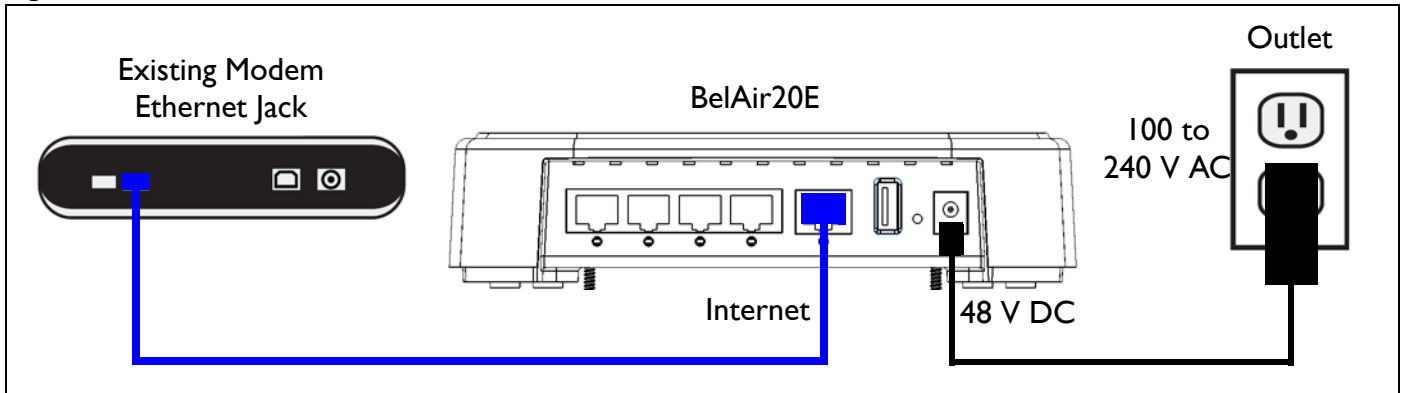
- 2 Attach the BelAir unit to the mounting screws:
 - a Line up the two mounting slots on the bottom of the unit with the two mounting screws.
 - b Slide the unit across into position so that the mounting screws support the BelAir unit.
 - c Adjust the screw depth as required so that there is a snug fit between the BelAir unit and the mounting screws.




Step 3—Connect and Power On

The BelAir20E can get its operating power directly from an AC wall outlet or from the *Internet* port when connected to a device that provides IEEE 802.3af or 802.3at compliant Power over Ethernet (PoE). If the BelAir20E is connected to both a PoE source device and an AC power source, AC will be disabled.

Figure 1: Wall Outlet Power

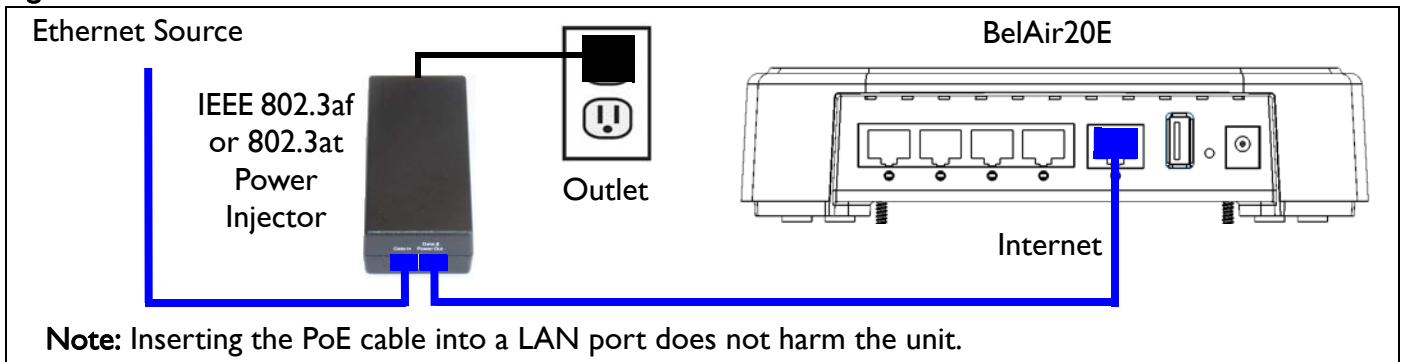





Warning

Use **ONLY** the power adapter supplied with this BelAir20E. Otherwise, the product may be damaged.

Figure 2: Power over Ethernet





Warning

If PoE is used, the BelAir20E must be connected to a power source that complies to IEEE 802.3af or 802.2at, or to an IEC/ EN 60950-1 compliant power limited source.



Step 4—Check LEDs

After powering on, wait 2 minutes and check that the unit’s LED match those in [Table I](#).

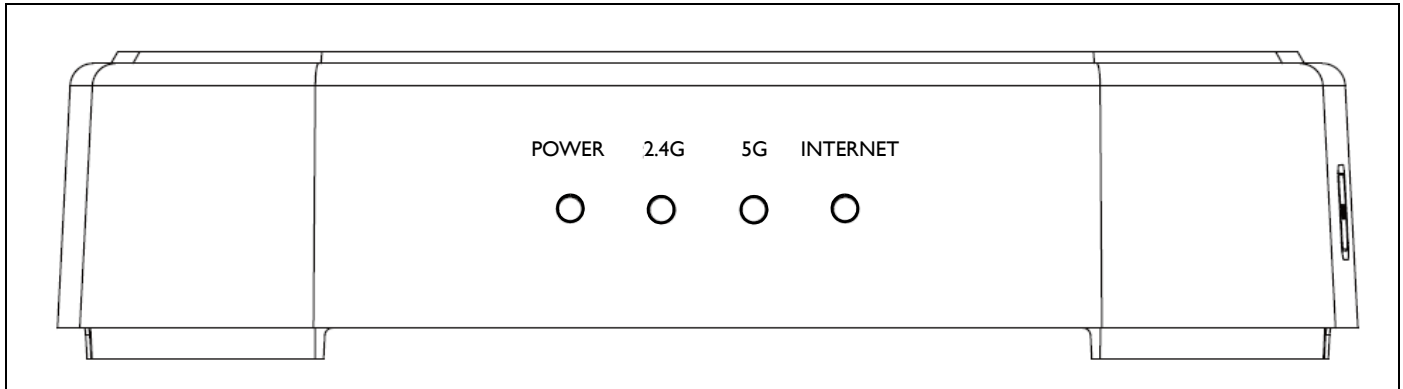


Table I: LED Behavior

LED	Behavior
POWER	Blue
2.4G	Blue
5G	Blue
INTERNET	Blue or flashing blue

If the LED behavior does not match [Table I](#), refer to the BelAir20E Troubleshooting Guide.

Step 5—Configure Unit

You can configure the BelAir20E through its Web interface or Command Line Interface (CLI). Refer to the *BelAir20E User Guide* for complete details.

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