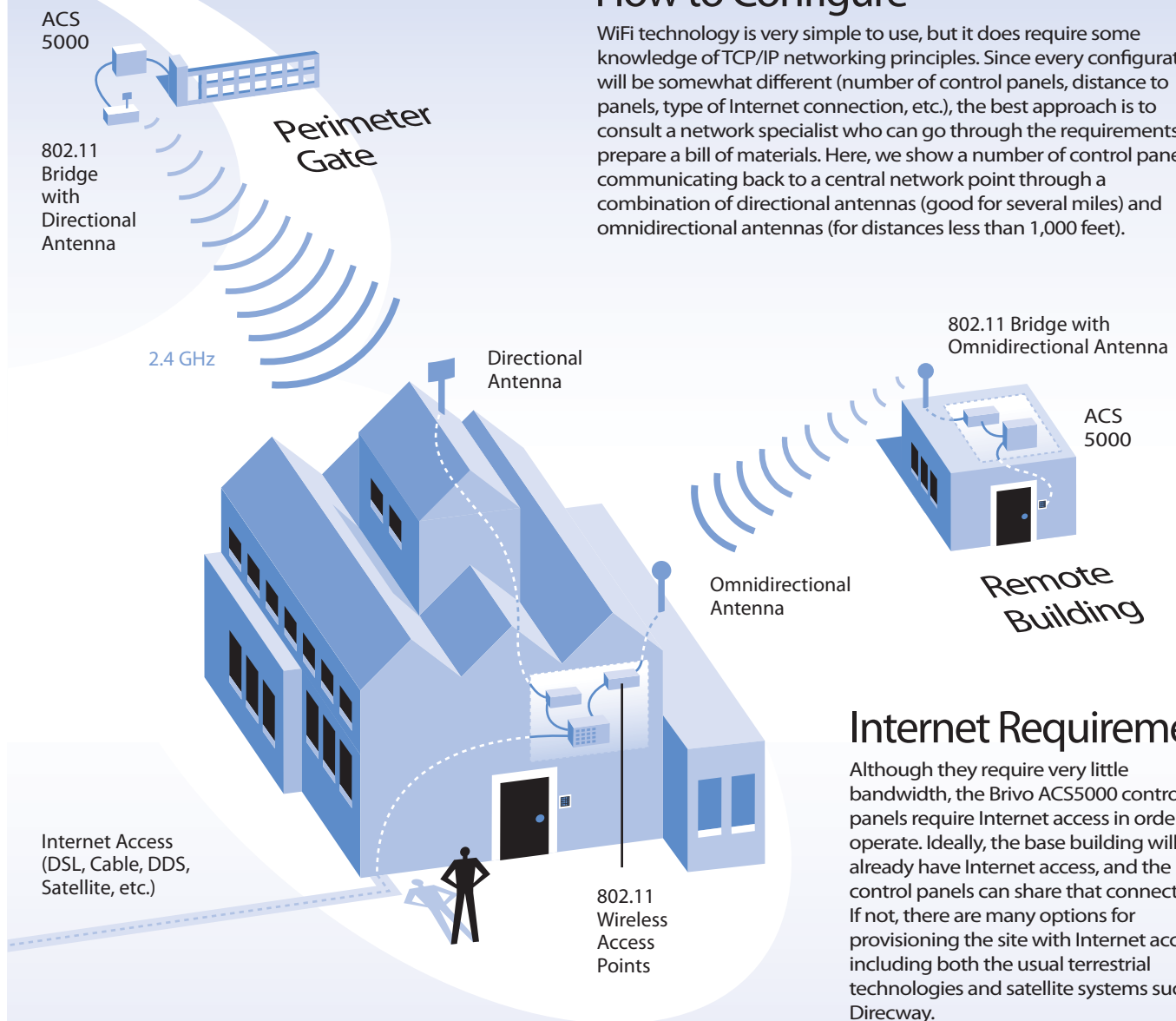


Using WiFi with Brivo ACS5000



How to Configure

WiFi technology is very simple to use, but it does require some knowledge of TCP/IP networking principles. Since every configuration will be somewhat different (number of control panels, distance to panels, type of Internet connection, etc.), the best approach is to consult a network specialist who can go through the requirements and prepare a bill of materials. Here, we show a number of control panels communicating back to a central network point through a combination of directional antennas (good for several miles) and omnidirectional antennas (for distances less than 1,000 feet).



Internet Requirements

Although they require very little bandwidth, the Brivo ACS5000 control panels require Internet access in order to operate. Ideally, the base building will already have Internet access, and the control panels can share that connection. If not, there are many options for provisioning the site with Internet access, including both the usual terrestrial technologies and satellite systems such as Direcway.

When to Use

This configuration is useful for remote facilities when there is no Cingular Mobitex coverage available in the area, and running cable is too expensive or difficult. The use of wireless 802.11 (WiFi) technology allows one or more ACS5000 control panels to be networked back to a base building, where they can then be connected to the Internet through a variety of broad-band technologies, such as DSL, Cable Modems, DDS circuits, or satellite uplinks (e.g. Direcway).

What to Buy

Each control panel will require its own dedicated 802.11 Bridge, generally available for around \$100. Depending on their distance from the base building, they may work fine with their existing omnidirectional antennas, or may require a directional antenna as an add-on. At the base building, the network will require one or more 802.11 Wireless Access Points and/or Routers. The number will depend on how many control panels are in the network, and whether they require directional antennas or can share a single omnidirectional antenna.