

High-Speed Internet Access

CBC has fiber-optic based internet access through CenturyLink. Download and upload speeds consistently measure at 1 gigabit levels, providing a service level 25 times that of DSL-based home systems. This is more than adequate for streaming video and audio, and provides the capacity to do livestream broadcasts from our facility. Though this service is available through both wired and wi-fi ethernet services, to fully exploit this capability you must be connected through a wired 1GB ethernet jack.

Wi-Fi Service

CBC offers wi-fi access throughout the building through 14 Open Mesh cooperating routers. Service can be provided to approximately 200 concurrent clients. Wi-fi bandwidth is limited to 30Mbps per device to ensure that service is uniformly available throughout the building on a consistent basis. Please check with the building manager to obtain a wi-fi guest access code.

Wired Network Services

Wall jacks in numerous locations in the building provide 1GB internet access. Wired service is not throttled and will give you the fastest speeds available on our system. To determine where wire 1GB service is available, please check the enclosed service map. Also, Ethernet Switches are available at several locations within the building that may make it possible to set up a temporary 1GB connection if the location you're using doesn't already have this service.

All jack locations on the attached service map are live. You need only to plug in your cable to use the service. Please contact the office if you need an ethernet cable.

Special Considerations

Though the CenturyLink 1GB service is quite fast, if your application requires many DNS lookups, you may find it helpful to change your DNS settings from those established during the DHCP assignment process to Google's DNS servers. Setting your internet adapter to use 8.8.8.8 (primary) and 8.8.4.4 (secondary) will significantly reduce DNS lookup times and result in much improved internet connections.

Remember: Wired ethernet services work best when connected with a Cat5e or higher cable.

Projectors and TV Displays

Ceiling mount projectors are available at the following locations:

- Fellowship Hall 📶
- Room 146 (Caritas Room)
- Room 320
- Room 119
- Room 151 (Music Room)
- Room 360

Each location has one or more wall jack HDMI feeds to the projector and 1GB wired ethernet service.

Wall-mounted Display TVs are available at the following locations:

- Narthex East Wall 📶
- Narthex Southwest Wall 📶
- Fireplace Room 📶
- Board Room 📶
- Chapel West Wall 📶
- Youth Lounge 📶
- Fellowship Hall 📶 (3 simulcast capable units and audio system)

Additionally, a CCTV System is in place to allow individual or simulcast display at the following locations:

- Narthex East Wall 📶
- Narthex Southwest Wall 📶
- Fellowship Hall 📶 (3 simulcast capable units)

Displaying Your Material

All projectors and TV Displays have a wall-mounted HDMI jack to receive your output. Please do not disconnect or change the cabling on any units.

📶 **Chromecast Casting** - Images may be displayed to these devices by using Google Chrome. In Chrome, select the **:** menu, then **Cast**. Choose your target display location and the display source.

📶 **Windows 10 Casting** - Click **☰ > System > Display > Connect to a Wireless Display**, and select your target device. It may be necessary to enable casting on the target device.

📺 **CCTV System** - To broadcast on the CCTV system, you must load the item to be displayed on the CCTV Broadcaster in room 234. Please contact the office for access. Your content will be sent to all CCTV units. To include the three Fellowship Hall TVs, it is necessary to use a short HDMI cable to cross-connect **Office to TV All** on the jack below the center TV.

Fellowship Hall Simulcast - Material may be sent to all three TV Displays in the Fellowship Hall simultaneously by connecting your HDMI cable to the **TV All** jack.

Don't forget to set your inputs

It is necessary to set the correct input on each of your target displays. You may find the inputs listed on the lower front of each unit. Simply set the input to match the service you're using.



Using Calvary Network Services

Calvary Baptist Church has a diverse system of computer network capabilities, including high-speed internet access, a robust wi-fi system with full building coverage, gigabit wired network access, and access to numerous projectors and display televisions.

This brochure describes what services are available, where they are located, and how they may be used.

These services are provided with customer simplicity in mind. They have been set up in a manner that makes them simple to use and keeps your setup time to a minimum.



Calvary Baptist Church of Denver

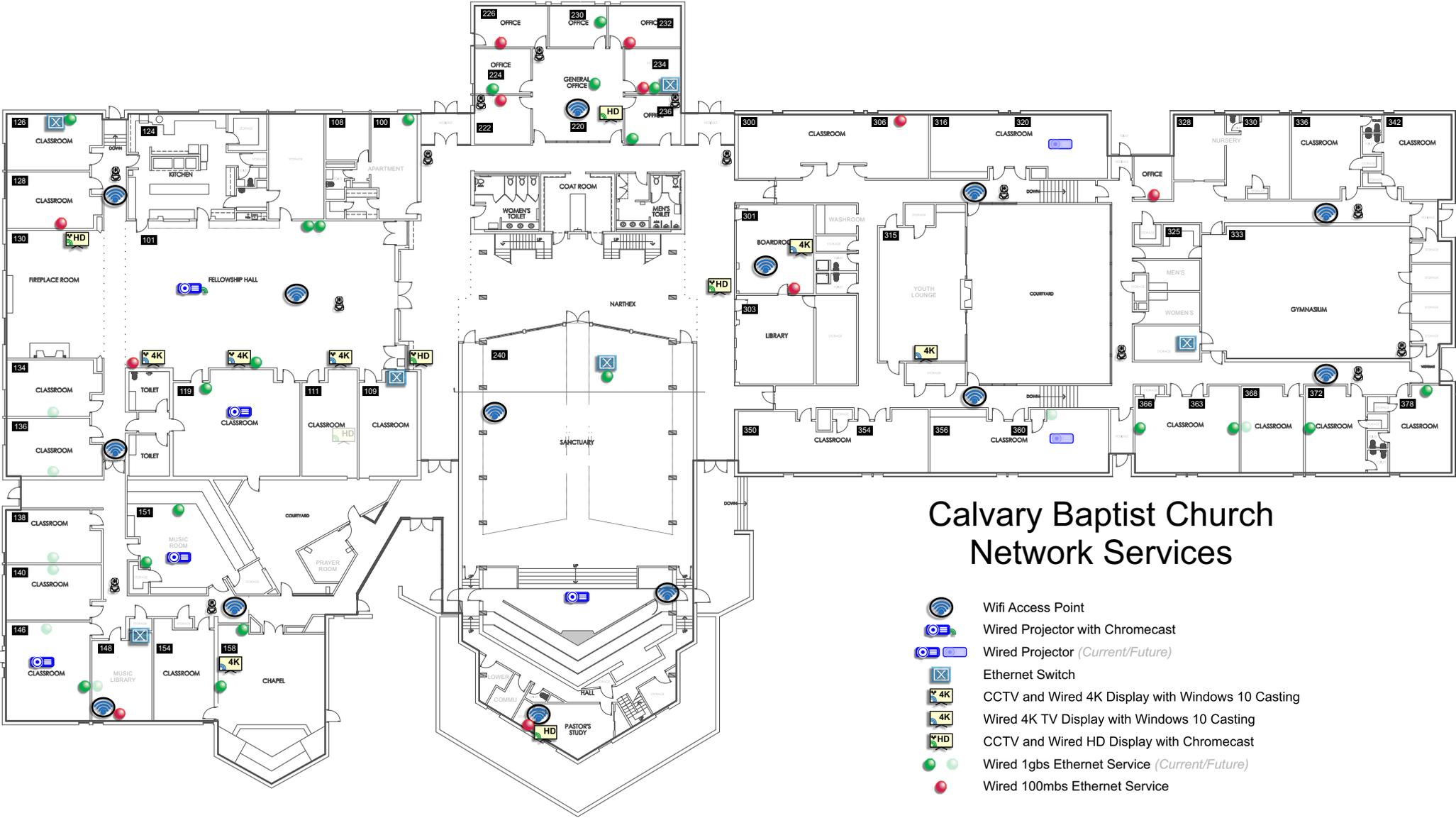
6500 E Girard Ave

Denver CO 80224

(303) 757-8421

www.calvarydenver.org

cbc@calvarydenver.org



Calvary Baptist Church Network Services

-  Wifi Access Point
-  Wired Projector with Chromecast
-  Wired Projector (*Current/Future*)
-  Ethernet Switch
-  CCTV and Wired 4K Display with Windows 10 Casting
-  Wired 4K TV Display with Windows 10 Casting
-  CCTV and Wired HD Display with Chromecast
-  Wired 1gbs Ethernet Service (*Current/Future*)
-  Wired 100mbs Ethernet Service