



VC & Bridging protocols for the LEARN community

VC & Bridging

- Participating systems must **meet requirements** to have a bridged event (see below).
- Host must reserve the bridge with **48 hours** advance notice. Time is required to plan testing and inform participants of connection details as needed.
- The reservation form can be obtained at econferencing.learnquebec.ca
- Support is available from 8:00 to 16:00 at econferencing@learnquebec.ca
- Special events outside regular working hours with advance notice, will also be supported.

New Systems (being added to the LEARN/CLC network)

- Please note that we use a Cisco/Tandberg/Codian Video conferencing system.

Our system can work with a variety of other VC makes and models however not all features will function correctly. Participants who wish to connect from makes and models not listed in below (Image A) must provide their own technical support to participate in our VC events.

(Note: Polycom systems have H239 settings defaulted to 'off'. This needs to be 'on').

- Have H.239 'ON' (Cisco/Tandberg system default is 'ON'. You should know how to access this in the control panel settings).
- Minimum Bandwidth 512k+
- These firewall ports need to be respected
 - Port 1720 TCP (Call Signaling)
 - Ports 5555 to 5584 TCP (Protocol Exchange)
 - Ports 2326 to 2489 UDP (Video and Audio Data)
 - Port 443 HTTPS (This is optional. Would allow CBCI to remotely access the web interface of your system for troubleshooting)
- You must be able to connect to our bridge IP address (68.171.64.105) and successfully reach the *Auto-Attendant* (Image B).
- Test video and audio before meeting with technician at econferencing@learnquebec.ca
- Test content channel (ex: powerpoint or other media, if being used).

Existing Systems (already in the LEARN/CLC network)

- Test video and audio before events with technician at econferencing@learnquebec.ca
- Test content channel (ex: powerpoint or other media, if being used).
- Connect to our bridge IP address (68.171.64.105) and successfully reach the *Auto-Attendant* (Image B)
- Have H.239 'ON' (Polycom default is 'OFF', Cisco/Tandberg default is 'ON') in control panel settings

Image A: VC Makes and Models that are functional on our Bridge

Advanced settings	
Audio codecs from MCU	<input checked="" type="checkbox"/> G.711 <input checked="" type="checkbox"/> G.722 <input checked="" type="checkbox"/> G.722.1 <input checked="" type="checkbox"/> G.728 <input checked="" type="checkbox"/> G.729 <input checked="" type="checkbox"/> G.723.1 <input checked="" type="checkbox"/> Polycom(R) Siren14(TM) <input checked="" type="checkbox"/> G.722.1 Annex C <input checked="" type="checkbox"/> AAC-LD <input checked="" type="checkbox"/> AAC-LC
Audio codecs to MCU	<input checked="" type="checkbox"/> G.711 <input checked="" type="checkbox"/> G.722 <input checked="" type="checkbox"/> G.722.1 <input checked="" type="checkbox"/> G.728 <input checked="" type="checkbox"/> G.729 <input checked="" type="checkbox"/> G.723.1 <input checked="" type="checkbox"/> Polycom(R) Siren14(TM) <input checked="" type="checkbox"/> G.722.1 Annex C <input checked="" type="checkbox"/> AAC-LD <input checked="" type="checkbox"/> AAC-LC
Video codecs from MCU	<input checked="" type="checkbox"/> H.261 <input checked="" type="checkbox"/> H.263 <input checked="" type="checkbox"/> H.263+ <input checked="" type="checkbox"/> H.263 interlaced <input checked="" type="checkbox"/> H.264
Video codecs to MCU	<input checked="" type="checkbox"/> H.261 <input checked="" type="checkbox"/> H.263 <input checked="" type="checkbox"/> H.263+ <input checked="" type="checkbox"/> H.263 interlaced <input checked="" type="checkbox"/> H.264

Image B: Auto Attendant Screen

