

The G2 LINK Classroom Amplifier system is a multi-room, multi-microphone system. Stated another way, the G2 LINK Classroom Amplifier will work concurrently with up to six (6) microphones in any combination of teacher and student microphones. Additionally, the teacher microphone will work with up to six (6) different amplifiers, (one at a time of course).

Let's take a moment to learn some common vocabulary related to G2 LINK



Let's start with a few key terms:

- *Paired* – When the microphone is paired with the amplifier, the two devices have been “introduced” and the two devices have agreed to pass data, (sound etc.), between one another.

- *Connected* – Once the microphone has been paired it must be connected to the amplifier in the room. This unique feature is an important distinction, otherwise the microphone would broadcast audio to each room it is paired with concurrently!
- *Press* – Related to a button, press the button, then release the button.
- *Press and Hold* – Related to a button, press the button, continue holding the button down.

How does it work in the classroom?

Meet Bob, Bob teaches in Classroom A, however, on occasion Bob will team teach with his colleague in classrooms C. The G2 LINK Classroom Amplifier allows Bob's microphone to be paired with six total classrooms. For now, Bob only wants his microphone to broadcast in his classroom “A” and during fourth hour Bob will team teach with Mary in her classroom “D”. Since Bob has previously paired his microphone with Mary's classroom, Bob will simply press the pair button to connect his microphone to the G2 LINK Classroom Amplifier in Mary's classroom. Bob is now connected to Mary's amplifier, and they are ready to team teach the lesson. Upon returning to classroom “A”, Bob will press the pair button on his microphone reconnecting it to his classroom. This same process will work with the other rooms where Bob has previously “paired” his microphone.





<p style="text-align: center;">Classroom A Bob's Room</p> 	<p style="text-align: center;">Classroom B</p> 
<p style="text-align: center;">Classroom C</p> 	<p style="text-align: center;">Classroom D Mary's Room</p> 

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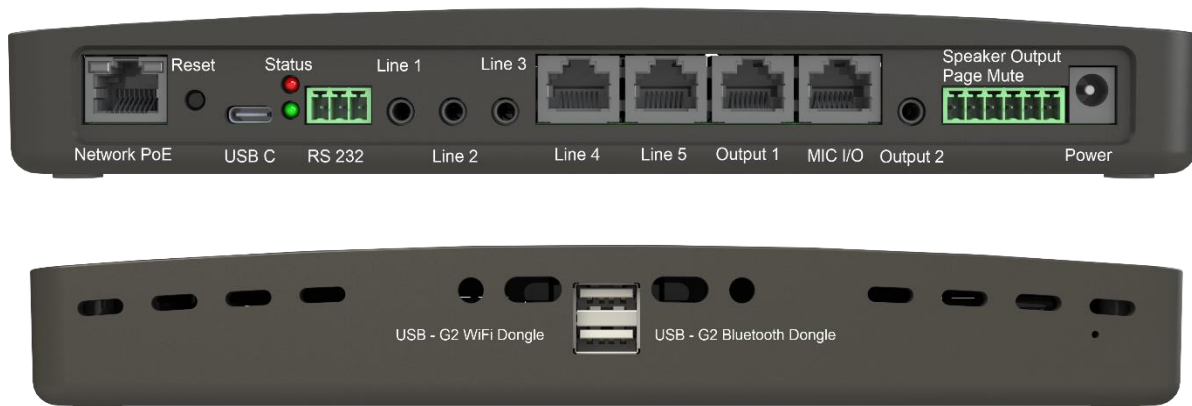
G2 LINK Amplifier

The G2 LINK classroom amplifier has been designed as a “Set and Forget” device. In other words, once the device has been installed and audio levels have been set by a qualified G2 installer the device never needs adjustment.



However, G2 LINK does include a built in User Interface.

G2 LINK Connections



G2 LINK Accounts

The G2 LINK amplifier contains two account types.

1. “user” account – This account is designed for the “End User” who would like to make minor adjustments to the audio input, output or digital equalizer settings as well as connect a bluetooth devices as a source audio input.
2. “it” account – This account is designed for the staff members responsible for the setup and maintenance operations related to the G2 LINK amplifier.

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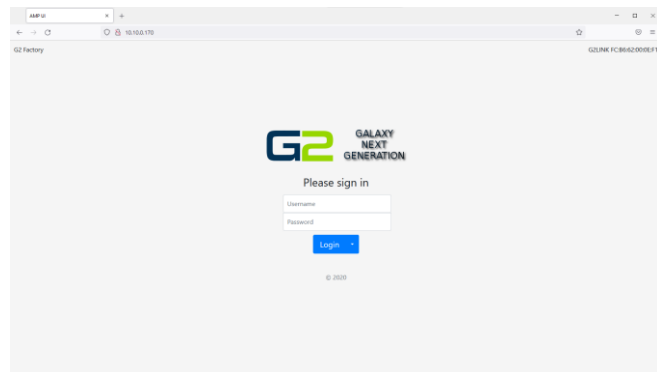
Logging into the G2 LINK “user” Account

The G2 LINK Amplifier is accessed via your favorite web browser using the USB-C port or via the network.

The following instructions will walk the reader through accessing the amplifier using both methods.

USB-C

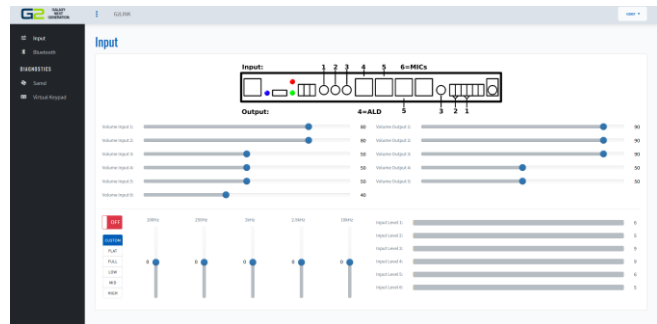
1. Using the USB-C port adjacent to the Network port, connect the amplifier to the computer.
2. Open your favorite web browser and type the following IP address:
192.168.123.1
Continue to step 3 below.



Network

1. Obtain the IP address of the amplifier.
2. Open your favorite web browser and type the network IP address.
3. In the username field type, (lowercase), “user”.
4. In the password field type “12345”.
5. Click the Login button.
6. The page will load the *Input* page.

Note: From this page, the reader may adjust inputs, outputs, and digital “EQ”.



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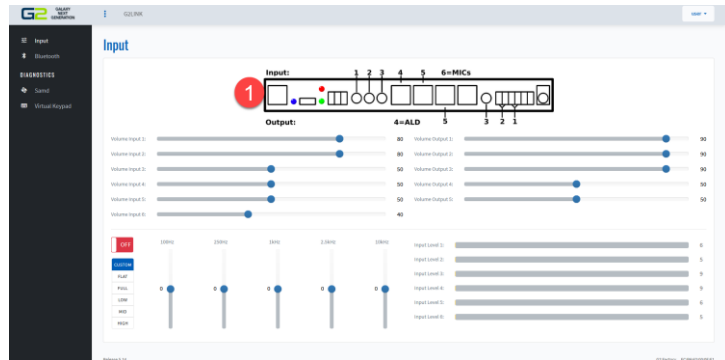
Input Page

NOTE: This page is available to both “user” and “it” users.

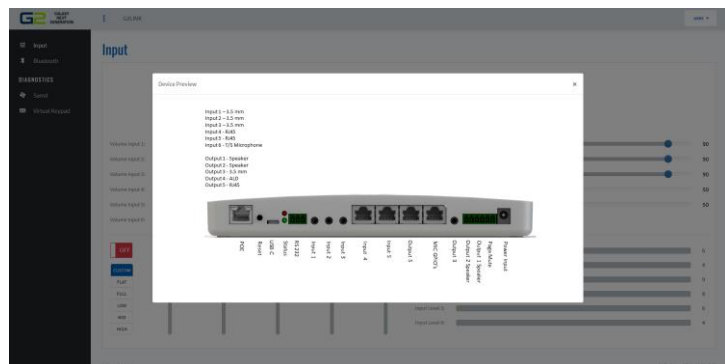
The input looks the same for both the “user” and “it” accounts.

The input page provides the user access to modify the audio settings of the amplifier. In addition, the user may view the line version or an image of the amplifier.

1. Click anywhere on the line image to display the “Device Preview” screen.



2. The “Device Preview” screen shown right.



VOLUME INPUTS

1. Volume inputs 1,2 and 3, (3.5 mm audio inputs), will be most commonly used. Inputs 4 and 5 are specialty applications and will not be addressed in this manual.

Input 3 – Typically connect to the G2 IFP.

Inputs 4 & 5 are open for other audio inputs e.g. MP3 player, computer audio etc.

Note: Input settings are typically set between 50 and 80 with final adjustments made with the input device.



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- Input 6 adjust the volume of the teacher and student microphones.

VOLUME OUTPUTS

- Volume outputs 1,2 and 3 will be most commonly used. Outputs 4,5 and 6 are specialty applications and will not be addressed in this manual.

Outputs 1 and 2, (phoenix connectors) are typically connected to the speakers in the classroom. Recommended settings for these two outputs is 90 to 100. Final audio level will be adjusted through the input devices.

Output 3, (3.5 audio), is typically reserved for assistive listening devices. Recommended level is 50 to 75.



DIGITAL EQUALIZER

The G2 LINK amplifier has a 5-band digital equalizer with 5 presets. By default, the digital equalizer, (EQ), is set to the off position. In the off position, the amplifier will play the source audio as it is received.

- To user the EQ, it must first be set to the on position. Click the Off/On toggle.
- Shown right, the digital equalizer is now active.



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- Pressing any of the 5 presets will adjust the 5-bands. The image shown right displays the EQ in the “Full” setting.



- Manually sliding any of the 5-bands will adjust the audio output as well as setting the EQ back to custom.





In the image shown right the 1kHz slider was moved to -3 changing the EQ from “Full” to “Custom”.



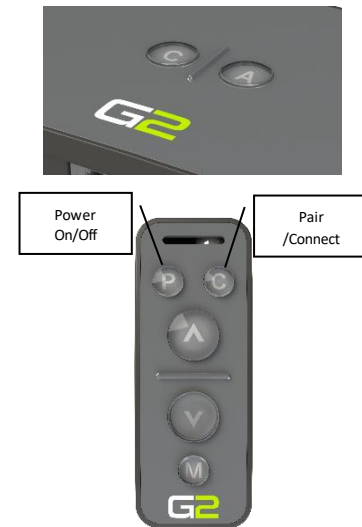
Note: All changes to the digital equalizer are persistent. In other words, the settings will remain if the amp is power cycled.

Pairing and Connecting the Teacher Microphone




Pairing the Teacher Microphone

1. Press the Pairing Button (C)  on the G2 LINK classroom amplifier.
2. Press the Power Button (P)  placing the microphone in the "On" position. This button will illuminate green.
3. Press and hold the Pair button (C) , then single tap, (press), the Mute (M)  button.
4. The microphone is now paired; however, the Pair button will remain red.

NOTE: Pairing is required only once.



Connecting the Teacher Microphone

1. Stand between 5 and 10 feet from the G2 LINK amplifier.
2. Press the Power Button (P)  placing the microphone in the "On" position. This button will illuminate green.
3. Wait a moment for the Pair/Connect (C)  button to turn red on the G2 LINK Teacher Mic.
4. Press the Pair/Connect (C)  button. The button will turn green once the microphone is connected to the amplifier.

NOTE: The microphone will need to be connected each time it is powered on.

Using the Teacher Microphone



Using the Teacher Microphone is simple.

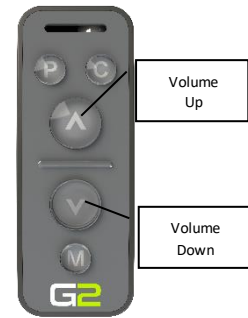
1. Adjust the lanyard to allow the microphone to rest three to four inches below your chin.
2. Turn the microphone on.
3. Press the pair button one time.
4. Fill young minds with the wisdom of the world.
5. At the end of the day... Turn the microphone off, remove the microphone from your person, and plug into the charger.

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Adjusting the Volume on the Teacher Microphone


The G2 LINK Teacher Microphone has been designed for simplicity, the microphone will not allow the user to raise the volume too high or lower the volume to the point it can't be heard. The microphone has six, (6), presets which may be adjusted from the teacher microphone by pressing the up or down arrow.

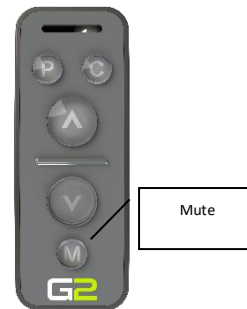
- To increase the volume, press the up volume  button. Note: The microphone may be adjusted upward two positions or button presses from base level.
- To decrease the volume, press the down volume  button. Note: The microphone may be adjusted downward three positions or button presses from base level.



Muting the Teacher Microphone

There will be occasions in the classroom where the instructor may wish to have a private conversation with a student or group of students. When these occasions arise, the teacher may mute the teacher microphone.

- To mute the microphone, press the mute (M)  button one time.
 - Note: When the microphone is muted, the mute button will be illuminated.
- To unmute the microphone, press the mute button one time.



NOTE: Covering the microphone with your hand will NOT mute the audio, nor does stepping outside the classroom door.

External Microphone

An external microphone may be desired. Most over the counter non-powered microphones with a 3.5 connector may be utilized.

NOTE: When an external microphone is plugged into the teacher microphone, the on-board microphone will be disabled.

External Device Line Input

An MP3 player or other type of audio device may be plugged into the line input on the teacher microphone. The audio from the external device will broadcast through the G2 LINK amplifier.



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Teacher Microphone Care




- Charge the microphone at the end of each day by inserting the USB charging cable into the microphone USB charging port.
- While durable, the microphone is not designed to be dropped, kicked, tossed, thrown, etc. The microphone is designed to be worn and set gently down when not in use.
- The microphone may be cleaned with a damp cotton cloth. Do not use harsh chemicals or abrasives on the microphone.

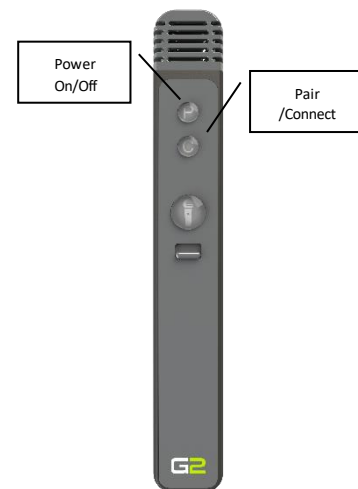


USB Charging

Student Microphone

Pairing the Student Microphone




1. Press the Pairing Button (C)  on the G2 LINK amplifier.
2. Press the Power Button (P)  placing the microphone in the "On" position. This button will illuminate green.
3. Press and hold the Pair (C)  button then double tap the Push to talk button. After roughly 30 seconds the light will stop blinking.
4. The microphone is now paired; however, the Pair/Connect button will remain red.



NOTE: Pairing is required only once.

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Connecting the Student Microphone

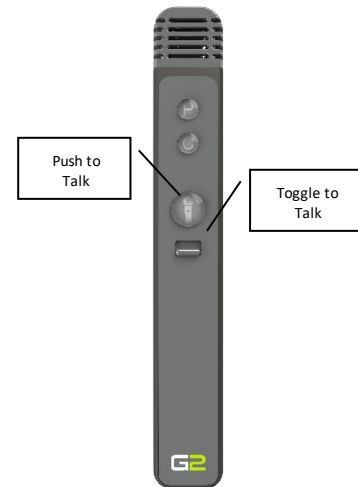
1. Stand between 5 and 10 feet from the G2 LINK amplifier.
2. Press the Power Button (P)  placing the microphone in the "On" position. This button will illuminate green.
3. Wait a moment for the Pair/Connect (C)  button to turn red.
4. Press the Pair/Connect (C)  button. The button will turn green once the microphone is connected to the amplifier.

NOTE: The microphone will need to be connected each time it is powered on.

Using the Student Microphone

The G2 LINK Student microphone has also been designed for simplicity and the microphone may be powered on in one of two methods:

- Press the power button one time, then press the pair button one time to connect.
 - Press and hold the "Push to Talk" button.
 - Speak into the microphone holding it roughly 3 inches from your mouth.
 - Soft speaking students may need to hold the microphone closer to their mouth while loud speaking students may need to hold the microphone further from their mouth.
 - Slide the "Lock to Talk" button upward.
 - Speak into the microphone holding it roughly 3 inches from your mouth.
 - Soft speaking students may need to hold the microphone closer to their mouth while loud speaking students may need to hold the microphone further from their mouth.



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External Device Line Input

An MP3 player or other type of audio device may be plugged into the line input on the student microphone. The audio from the external device will be broadcast through the G2 LINK amplifier.

Student Microphone Care

- Charge the microphone at the end of each day by inserting the USB charging cable into the microphone USB charging port.
- While durable, the microphone is not designed to be dropped, kicked, tossed, thrown, etc. The microphone is designed to be used and set gently down when not in use.
- The microphone may be cleaned with a damp cotton cloth. Do not use harsh chemicals or abrasives on the microphone.

