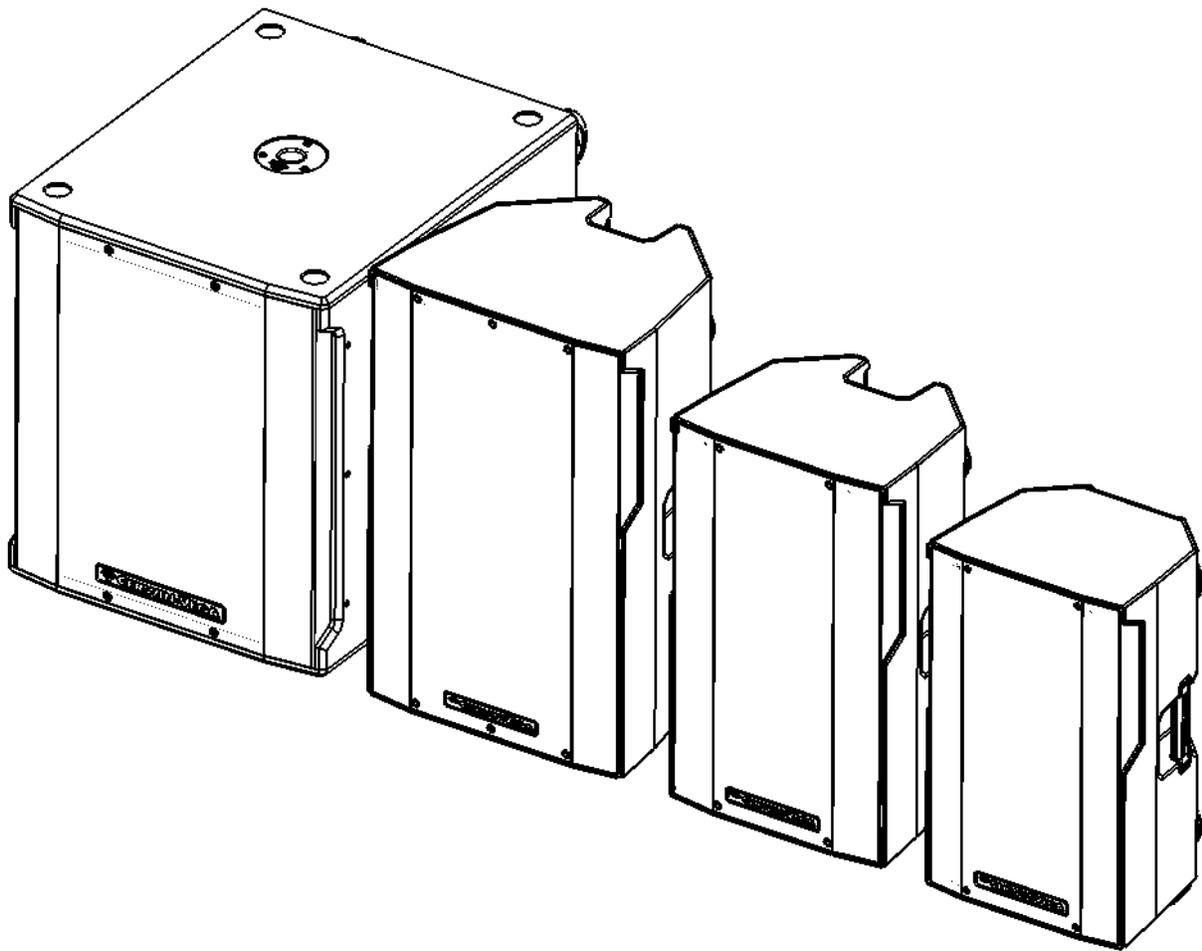




The **LOUD** Speaker Company®

## CVE-SERIES MANUAL



## CVE-10, CVE-12, CVE-15, and CVE-18s Powered Loudspeakers

Instruction Manual (English)

To avoid injury, read all operating instructions and safety information in this manual before using the speaker.  
Failure to follow these safety instructions could result in fire, electric shock, or other injury or damage to the speaker or other property.

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## IMPORTANT SAFETY INSTRUCTIONS

 **CAUTION:** The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the unit's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

 **WARNING:** The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



 **NOTE:** The hand within an equilateral triangle is intended to alert the user to specific guidance and information regarding the operation of the unit and should be read fully before using the unit for the first time.

 **CAUTION:** To reduce the risk of fire or electric shock, do not remove any covers or open the unit. There are no user-serviceable parts inside. All servicing should be referred to qualified service engineers.

-  a) Read and follow all the safety and operating instructions before connecting or using this product.  
 b) Retain this user manual for future reference.  
 c) All warnings on the unit and its packaging should be read and followed.

 **CAUTION:** To reduce the risk of fire or electric shock, do not expose this product to rain, moisture, dripping, or splashing. Do not place objects containing liquid (such as vases or glasses) on the unit. Do not use this product near water, such as a bath tub or swimming pool. Unplug the unit from the wall outlet before cleaning. Never use thinner, cleaning fluids, solvents, or chemically impregnated cloths. For cleaning, always use a soft dry cloth. Unplug the unit during lightning storms or when it is unused for long periods of time.

 **CAUTION:** The unit should be installed so that its location or position does not interfere with its proper ventilation. For example, it should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings. It should not be placed within a built-in installation (such as a bookcase or cabinet) that may impede the flow of air through its ventilation openings and/or fan assembly. The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat. Naked flame sources, such as lighted candles, should not be placed on or near the unit.

 **WARNING:** Do not place the unit on an unstable surface, cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a person and serious damage to the unit. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer. Any mounting of the device on a wall or ceiling should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive forces, and uneven surfaces may cause the appliance and cart combination to overturn. When a cart is used, use caution when moving the cart/unit combination to avoid injury from tipping.



 **NOTE:** Should the unit become damaged beyond repair or reach the end of its life, please consult the regulations regarding disposal of electronic products in your region.

 **NOTE:** Cerwin-Vega cannot be held responsible for damage caused by improper use of the unit and/or the applications provided for use with the unit.

 The unit shall be connected to a mains socket outlet with a protective ground (earth) connection.

**IMPORTANT SAFETY INSTRUCTIONS (continued)**

-  1. The unit and power supply should only be connected to a power outlet that matches the voltage and frequency marked on the rear of the unit.
2. Protect the power cable from being walked on or pinched, particularly at plugs, convenience receptacles, and exit points on the unit.
3. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong provided for your safety. If the provided plug does not fit into an outlet, consult a qualified electrician for replacement of the obsolete outlet.
4. If the mains plug supplying this product incorporates a fuse, then the fuse should be replaced only with one of identical or lower rupture value.
5. Never use a damaged or frayed power cable; this can cause risk of exposure to lethal voltages.
6. The power cable of the unit should be unplugged from a wall outlet when it will not be used for a long period of time.
7. Only use attachments/accessories specified by the manufacturer.
8. To completely disconnect the power input, the mains plug of the speaker should be disconnected from the mains connection.
9. The mains plug of the unit should not be obstructed, so that it can be easily accessed during intended use.

 **DO NOT ATTEMPT SERVICING OF THIS UNIT YOURSELF. REFER TO QUALIFIED SERVICE PERSONNEL FOR SERVICING.**

In the event that servicing is needed, make sure that any replacement parts used have the same characteristics as the original parts and that routine safety checks have been performed to guarantee that the equipment is in safe operating condition.

 **REPLACEMENT WITH INCORRECT PARTS MAY RESULT IN FIRE, ELECTRIC SHOCK, OR OTHER HAZARDS.**

-  The unit should be serviced by qualified service personnel when any of the following happens:
- The power cord or the plug has been damaged.
  - Objects have fallen onto or liquid has been spilled into the unit.
  - The unit has been exposed to rain or liquids of any kind.
  - The unit does not appear to operate normally or exhibits a marked change in performance.
  - The device has been dropped or the enclosure has been damaged.

 Keep speakers out of extended or intense direct sunlight; the driver suspension could prematurely dry out, and finished surfaces may become degraded.

 The speaker contains sensitive components. Do not drop, disassemble, open, crush, bend, deform, puncture, microwave, incinerate, paint, or insert foreign objects into speaker.

 The speaker is easily capable of generating sound pressure levels (SPL) sufficient to cause permanent hearing damage. Caution should be taken to avoid prolonged exposure to SPL in excess of 90 dB(A).

 Operate and store the speaker in a place where the temperature is between -20° and 55°C (-4° and 131°F). Low or high temperature conditions might cause the speaker to temporarily stop working. Avoid dramatic changes in temperature or humidity when using the speakers, as condensation may form within the speaker.

 Turn the speaker off when in any area with a potentially explosive atmosphere. Obey all signs and instructions, as sparks in such areas could cause an explosion or fire resulting in serious injury or death. Areas with potentially explosive atmosphere are often, but not always, marked clearly. Potential areas include fueling stations, areas where the air contains chemicals or partials (including grain dust or metal particles), below deck on boats, and chemical transfer storage facilities.

 The speaker contains small parts which may present a choking hazard to small children. Keep the speaker and its accessories away from small children.

## REGULATORY CERTIFICATION

Cerwin-Vega declares under sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:



The Declarations of Conformity can be obtained from Gibson Europe BV - Kamerlingh Onnesweg, 2 - 4131 PK Vianen - The Netherlands  
Tel : +31 347 32 40 10 - Fax : +31 347 32 40 15

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID: 2AL2V-PL0001 – CVE-10/12/15; FCC ID: 2AL2V-PL0001 – CVE-18s



**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, radiates radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment off and on), the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

## Introduction

Congratulations! Welcome to the Cerwin-Vega family! You've joined a growing group of audio professionals who have turned to Cerwin-Vega for the most advanced audio reproduction systems available. All Cerwin-Vega products are thoroughly tested to ensure that they meet or exceed our performance specifications. Backed by the best service in the industry, Cerwin-Vega is dedicated to quality and reliability. For a complete overview of Cerwin-Vega products and services, visit [www.cerwin-vega.com](http://www.cerwin-vega.com)

## Before you begin

This manual covers the CVE-Series active speakers: the CVE-10, CVE-12, and CVE-15 (referred to as "tops") and the CVE-18s (referred to as a "sub"). These speakers are designed for portable applications (such as being mounted on a tripod stand or pole mount or stacked directly on a floor, stage, or stable platform) and fixed installations (such as being mounted using the wall/ceiling mount accessory shown on Page 17). These speakers are not intended for fixed installation in high-moisture or outdoor environments, as moisture can cause corrosion of electrical contacts and damage the speaker cone or surround. Cerwin-Vega does not support suspension of the subwoofer model covered in this manual.

Cerwin-Vega speakers can generate considerable vibrational energy. When placed on a slippery surface such as polished wood or linoleum, the speaker may move due to its own mechanical vibration. Precautions should be taken to assure that the speaker does not fall off a stage or table when in operation.

The CVE-18s subwoofer includes a receptacle cup to allow mounting of a satellite speaker using a standard speaker pole shaft. When using a standard speaker pole shaft, be sure to observe the following precautions:

- There are many types of pole stands and pole shafts available. Please refer to qualified service personnel from the pole stand and pole shaft manufacturers for installation service. Improper use of accessories or inappropriate installation could present a hazard.
- Check the speaker pole shaft specification to be certain it is designed to support the weight of the speaker.
- Observe all safety precautions specified by the speaker pole shaft manufacturer.
- Always verify that the subwoofer is placed on a surface that is flat, level, and stable.
- Route cables so that they will not be tripping hazards.
- Always be cautious in windy outdoor conditions, as the stability of the entire system may be compromised.

## Quick Start

The steps below provide a quick reference on how to set up and use a single loudspeaker. A typical setup will follow the same basic steps.

STEP 1	<ul style="list-style-type: none"> <li>✓ Make sure the loudspeaker is unplugged.</li> <li>✓ Be sure the power switch is set to the OFF position.</li> <li>✓ Turn the LEVEL knob to the lowest level (fully counterclockwise).</li> </ul>
STEP 2	<ul style="list-style-type: none"> <li>✓ Place the loudspeaker in the intended location.</li> <li>✓ Connect the source audio equipment OUTPUT to the loudspeaker INPUT. Be sure the source equipment is powered on and set to a normal output level.</li> </ul>
STEP 3	<ul style="list-style-type: none"> <li>✓ Connect the power cord to the loudspeaker and AC power outlet.</li> <li>✓ Set the POWER switch to the ON position and verify that the DSP MODE LED indicator is illuminated.</li> <li>✓ Slowly turn the LEVEL knob clockwise until the sound output is at the desired level. If there is no sound, check to make sure that the source equipment is providing audio output.</li> </ul>
NOTES	<p>When you are finished using the loudspeaker, set the POWER switch to the OFF position <b><u>BEFORE</u></b> removing any cables or turning off the source audio equipment.</p>

## Loudspeaker Placement

- Never point a microphone directly at the loudspeaker, as this will result in feedback (unwanted sound). Be sure the loudspeaker is placed away from the front of a microphone or directly behind a microphone when it is in a floor monitor position.
- When used with turntables, the loudspeaker should be carefully placed so that any vibrations do not interfere with the turntable performance and functionality.
- Avoid placing the loudspeaker in corners or along the walls of a room. Doing so will increase the low-frequency sounds, which will result in a muddy and incoherent sound reproduction.
- Avoid placing the speaker directly on a hollow stage. It is better to place the loudspeaker on a tripod stand or a sturdy table.
- The loudspeaker should be placed two to four feet above the ear level of the audience since the human body can absorb sound, especially at high frequencies. This will ensure that the entire audience can hear the sound system with the best possible clarity.

## Rear Panel – Mixer – CVE-10, CVE-12, CVE-15

### DSP MODE SELECT

This mode selection button allows one of five EQ presets to be chosen:

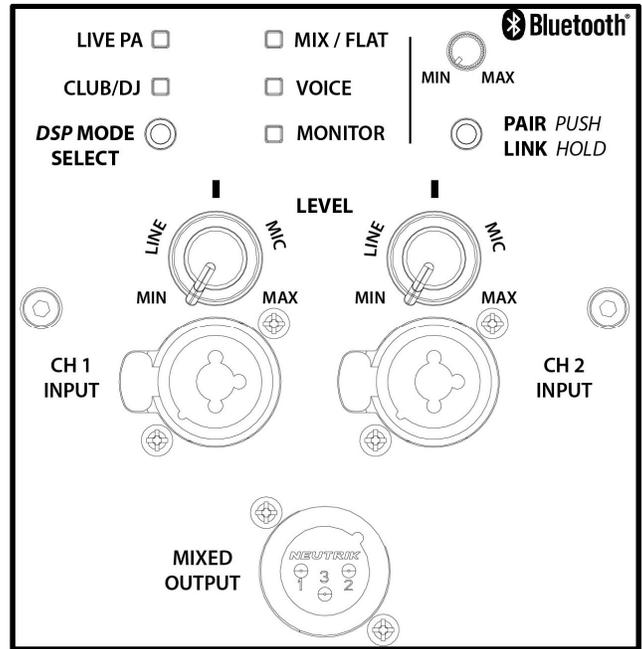
**LIVE PA** – This mode is best used for live music sound. It has a deeper, more-balanced low-end response.

**CLUB/DJ** – This mode adds definition and punch to sub frequencies. It is primarily used for playback of music styles such as EDM, pop, and hip hop.

**MIX/FLAT** – This provides a well-balanced overall speaker response with deeper low-end extension. This mode is a great starting point for mixing live events.

**VOICE** – This mode enhances vocal clarity and is best used when using a common dynamic microphone connected directly into one of the CH inputs.

**MONITOR** – Use this mode when using the system as a stage monitor with a microphone. It balances and softens frequencies that are prone to feedback in a monitor mix.



### BLUETOOTH

The CVE series has True Wireless Stereo (TWS) Bluetooth connectivity. To pair a CVE speaker with a streaming device, push the **PAIR/LINK** button once. When the **PAIR/LINK** button begins flashing blue, the speaker will beep twice and appear in the available Bluetooth devices list on the streaming device. After the speaker is selected and successfully paired, it will beep once, and the **PAIR/LINK** button will be lit blue.

To link two CVE speakers together, push and hold the **PAIR/LINK** button on the first speaker (that has already been paired with the streaming device). When its **PAIR/LINK** button begins flashing orange, the first speaker will beep twice. Then, push and hold the **PAIR/LINK** button on the second speaker. The **PAIR/LINK** buttons on both speakers will blink orange for approximately five seconds before turning solid orange; this indicates that both speakers are successfully paired and linked to your streaming device. Once linked, the speakers can be toggled between mono and stereo by double-tapping the **PAIR/LINK** button on either speaker while audio is playing.

Note: The Bluetooth level knob adjusts the level of the Bluetooth audio input. Beeps will be heard only if the Bluetooth level is turned up. CVE speakers cannot be paired, unpaired, or linked while audio is playing.

### CH1 INPUT and CH2 INPUT

These are balanced combo inputs for balanced XLR/TRS cables. They accept line-level and mic-level inputs.

### LEVEL

The **LEVEL** knobs for **CH1 INPUT** and **CH2 INPUT** adjust the gain levels for their respective input signals. They can be used for LINE-level or MIC-level inputs. LINE levels are adjusted from **MIN** (fully counterclockwise) to the center detent (straight up). MIC levels are adjusted from the center detent (straight up) to **MAX** (fully clockwise).

### MIXED OUTPUT

This output combines **CH1 INPUT**, **CH2 INPUT**, and Bluetooth signals for connecting to another powered speaker or a recording device. This output is affected by changes to each channel's **LEVEL** knob.

## Rear Panel – Mixer – CVE-18s

### DSP MODE SELECT

This button allows one of two EQ presets to be chosen:

**LIVE PA** – This mode is best used for live music sound. It has a deeper, more-balanced low-end response.

**CLUB/DJ** – This mode adds definition and punch to sub frequencies. It is primarily used for playback of music styles such as EDM, pop, and hip hop.

### OUTPUT SELECT

This button allows one of two frequency outputs to be chosen:

**100Hz HPF** – This is a high-pass filter that provides a crossover to top boxes.

**FULL RANGE** – This leaves the output jacks at full range.

### BLUETOOTH

The CVE series has True Wireless Stereo (TWS) Bluetooth connectivity. To pair a CVE speaker with a streaming device, push the **PAIR/LINK** button once. When the **PAIR/LINK** button begins flashing blue, the speaker will beep twice and appear in the available Bluetooth devices list on the streaming device. After the speaker is selected and successfully paired, it will beep once, and the **PAIR/LINK** button will be lit blue.

To link two CVE speakers together, push and hold the **PAIR/LINK** button on the first speaker (that has already been paired with the streaming device). When its **PAIR/LINK** button begins flashing orange, the first speaker will beep twice. Then, push and hold the **PAIR/LINK** button on the second speaker. The **PAIR/LINK** buttons on both speakers will blink orange for approximately five seconds before turning solid orange; this indicates that both speakers are successfully paired and linked to your streaming device. Once linked, the speakers can be toggled between mono and stereo by double-tapping the **PAIR/LINK** button on either speaker while audio is playing.

Note: The Bluetooth level knob adjusts the level of the Bluetooth audio input. Beeps will be heard only if the Bluetooth level is turned up. CVE speakers cannot be paired, unpaired, or linked while audio is playing.

### CH1 INPUT and CH2 INPUT

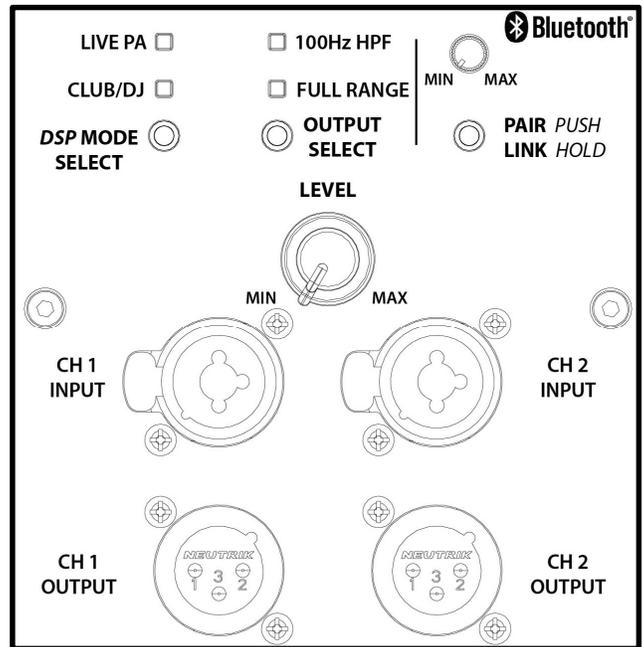
These are balanced combo inputs for balanced XLR/TRS cables. They accept line-level input only.

### LEVEL

The **LEVEL** knob adjusts the output level of the speaker for all channels equally.

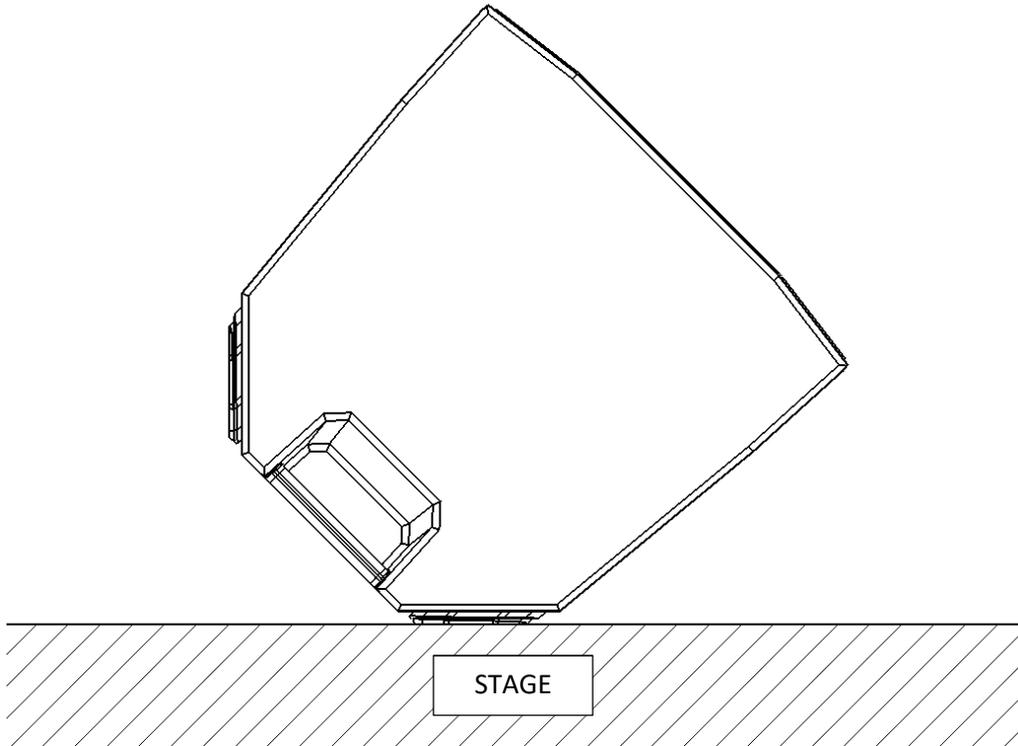
### CH1 OUTPUT and CH2 OUTPUT

**CH1 OUTPUT** and **CH2 OUTPUT** combine the incoming Bluetooth signal with **CH1 INPUT** and **CH2 INPUT**, respectively, for connecting to another powered speaker or a recording device. These outputs are not affected by changes to the **LEVEL** knob.



## Using the CVE-10/12/15 as a floor/stage monitor

The CVE-10, CVE-12, and CVE-15 can be used as floor monitors by orienting them as shown below. This places them at a fixed 45-degree angle toward the performers. It is recommended to use **MONITOR** mode for this application, as it reduces the volume of frequencies that are prone to feedback. Be sure that the loudspeaker and cables are not located where they can become a tripping hazard. It is recommended to use right-angle XLR or right-angle  $\frac{1}{4}$ " jacks where possible to avoid cable binding between the loudspeaker and the stage.



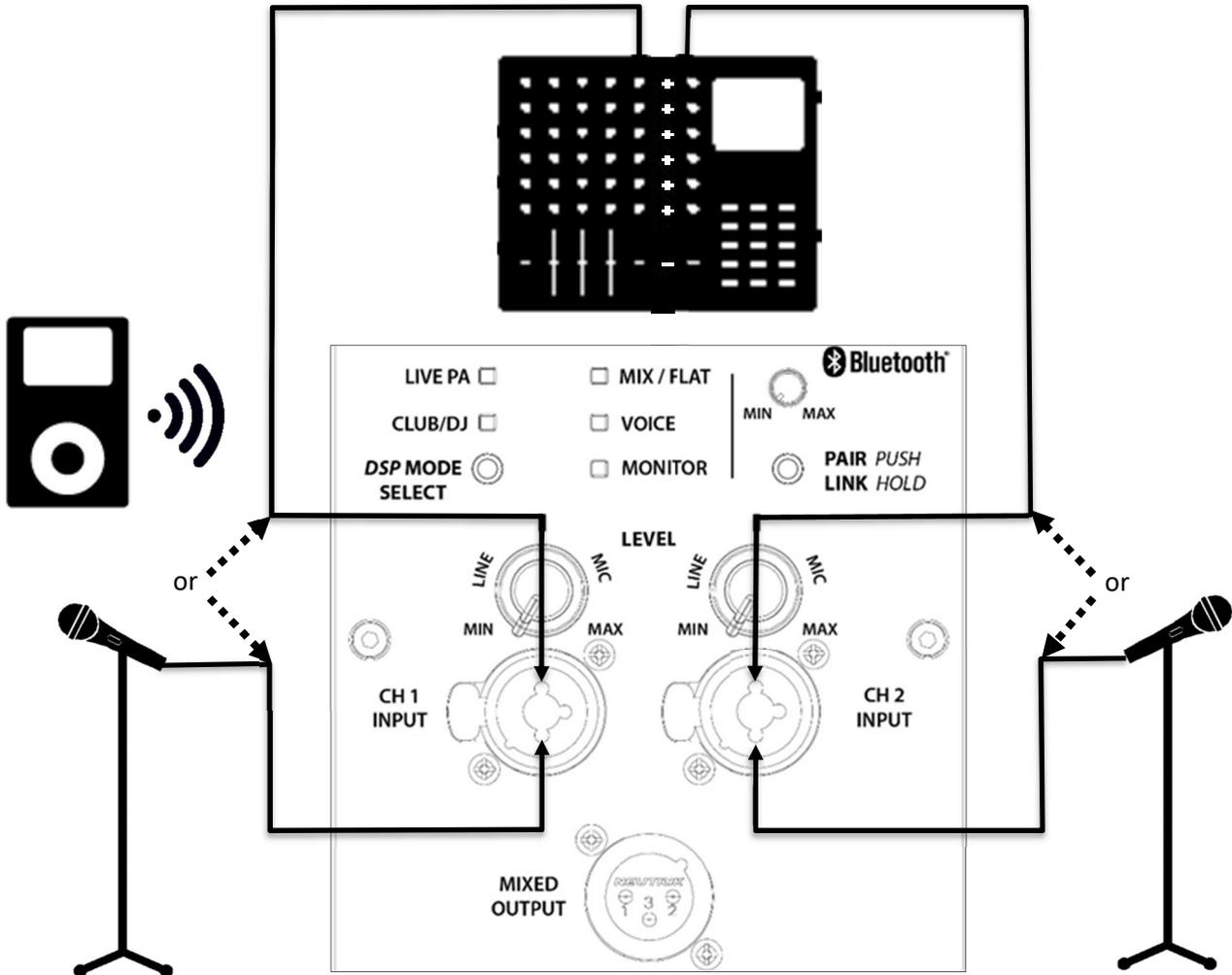
**CAUTION:** When using stands or poles, be sure to observe the following:



- Make sure the pole stand is capable of handling the weight of the loudspeaker. Be sure to observe all precautions as indicated by the pole stand manufacturer.
- The pole stand should be placed with its legs full extended on a surface that is flat, level, and stable. The pole stand legs should be placed where they will not present a tripping hazard.
- Power cables and audio signal cables should be placed in a location where they will not create a tripping hazard or topple the speakers when moved or pulled.
- Before loudspeaker pole mounting, be sure to inspect all critical points for cracks, deformations, corrosion, and/or missing parts that may affect the strength and safety of the installation.
- Only use a pole stand intended for loudspeaker use.
- Avoid placing the pole stand and loudspeaker in an area of traffic to prevent accidental contact.
- In a windy environment, be sure to use additional weight (such as sand bags) on the base of the pole stand for additional stability. Do not attach banners, signage, or balloons to the pole stand or the loudspeaker.
- Consult a licensed professional engineer regarding equipment installation, and ensure that all local, state, and national regulations regarding the safety and operation of loudspeakers and related equipment are understood and adhered to.

## Application #1 - Using a single CVE-10, CVE-12, or CVE-15

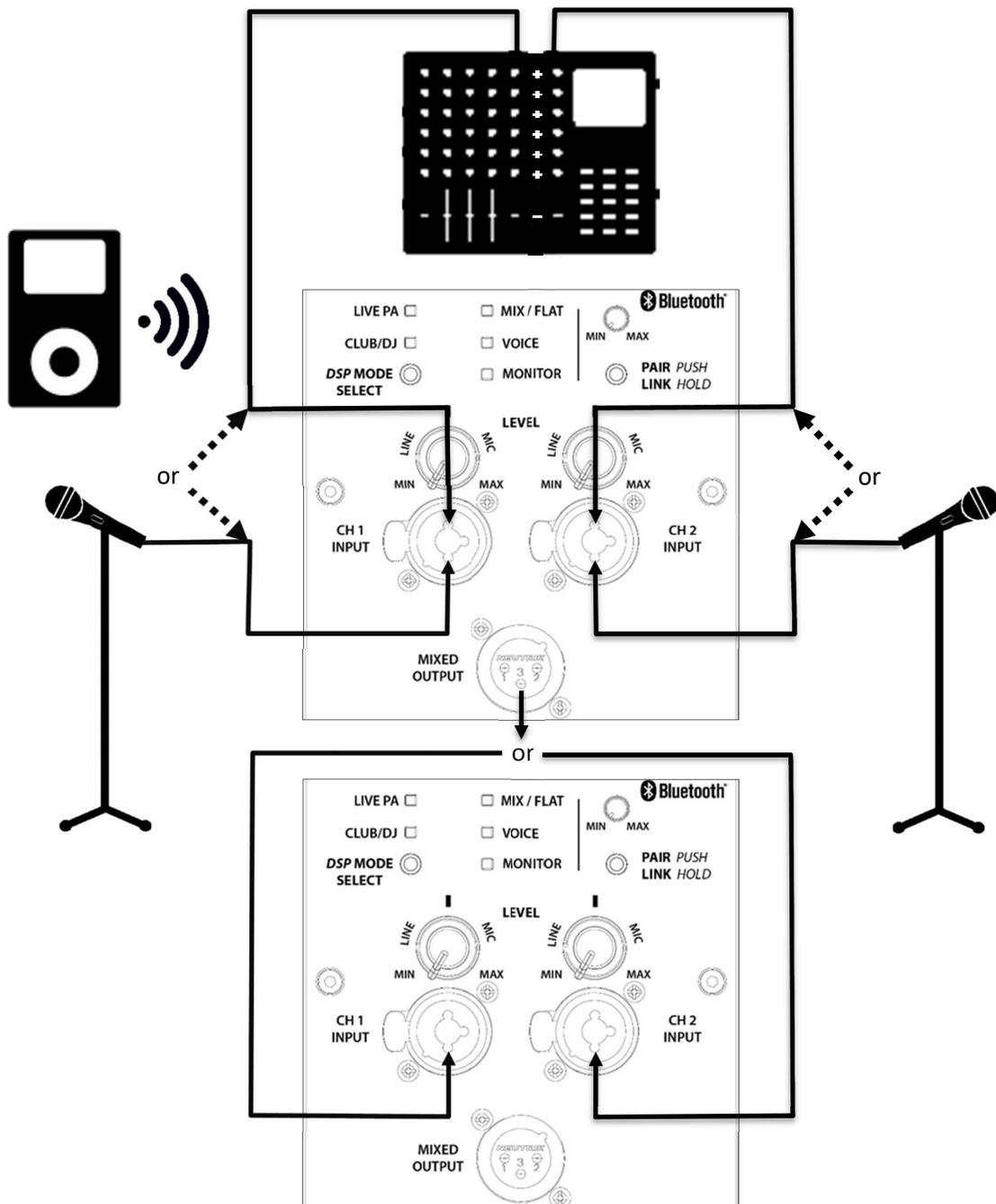
A single CVE-10, CVE-12, or CVE-15 powered speaker can be used to reinforce sound for a wide variety of performances. The diagram below shows an application where a vocal microphone, a line mixer, and a Bluetooth™ streaming device are all being used simultaneously. Each channel level can be adjusted to balance channel volumes, while the Bluetooth™ level knob independently adjusts the Bluetooth™ signal volume.



Input	Equipment	Cable Type
CH 1 INPUT	Mixing Console or Microphone	Balanced XLR or ¼" TRS
CH 2 INPUT	Mixing Console or Microphone	Balanced XLR or ¼" TRS
(Bluetooth™)	Media Player Bluetooth™ Streaming Device	Bluetooth™ Wireless

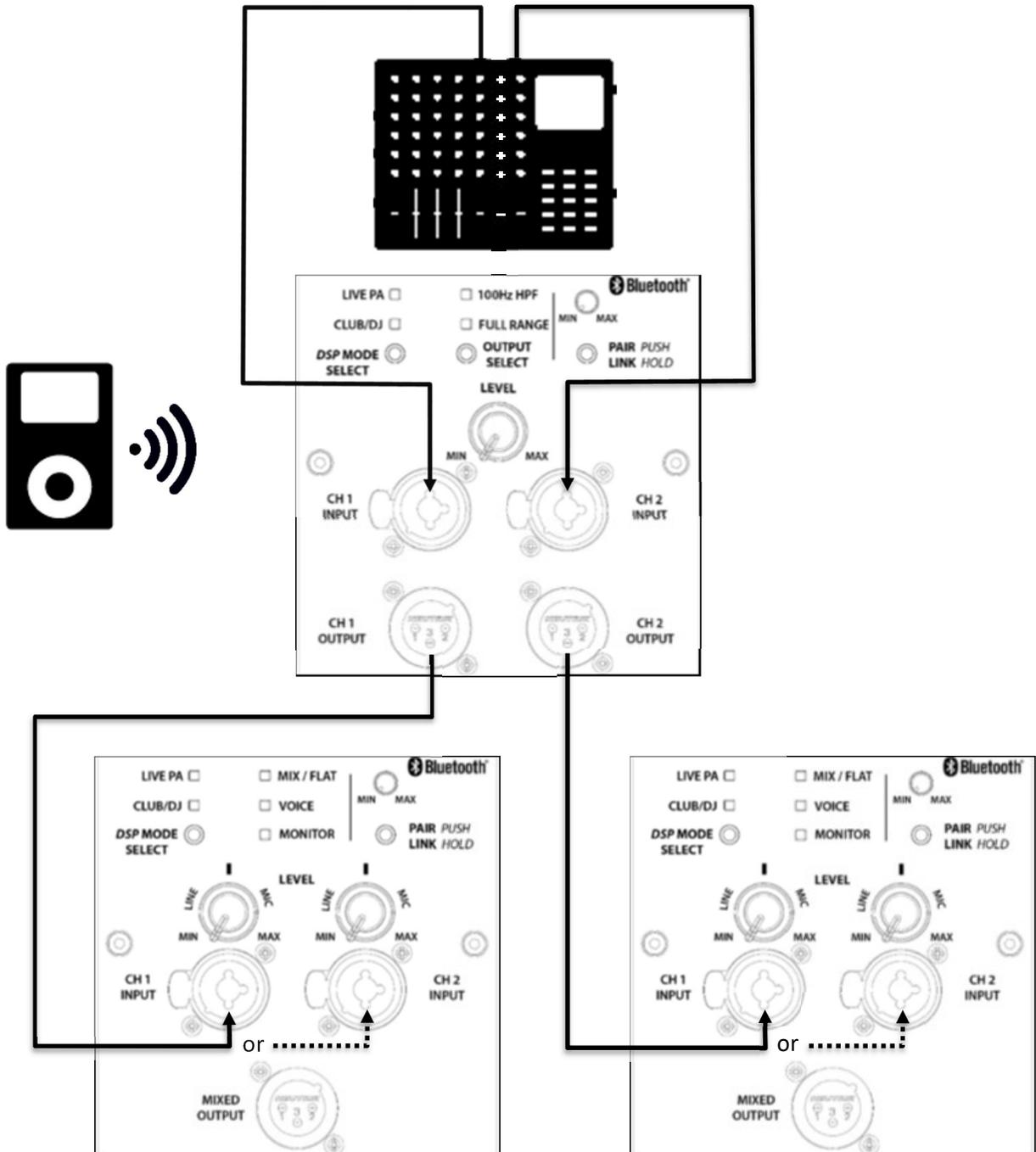
## Application #2 - Connecting a second CVE-10, CVE-12, or CVE-15 using MIXED OUTPUT

A second CVE-10, CVE-12, or CVE-15 loudspeaker can be added using a standard balanced XLR cable as shown in the example below. A two-speaker system can cover a wider audience and situations where more volume is needed. To add a second CVE-10, CVE-12, or CVE-15 loudspeaker, connect the **MIXED OUTPUT** of the first speaker to **CH 1 INPUT** or **CH 2 INPUT** of the second speaker. Then, adjust the **LEVEL** to an appropriate setting on the first speaker. Be sure to adjust the **LEVEL** knobs on both speakers to similar settings since the **LEVEL** knob on the first speaker will not change the volume on the second speaker.



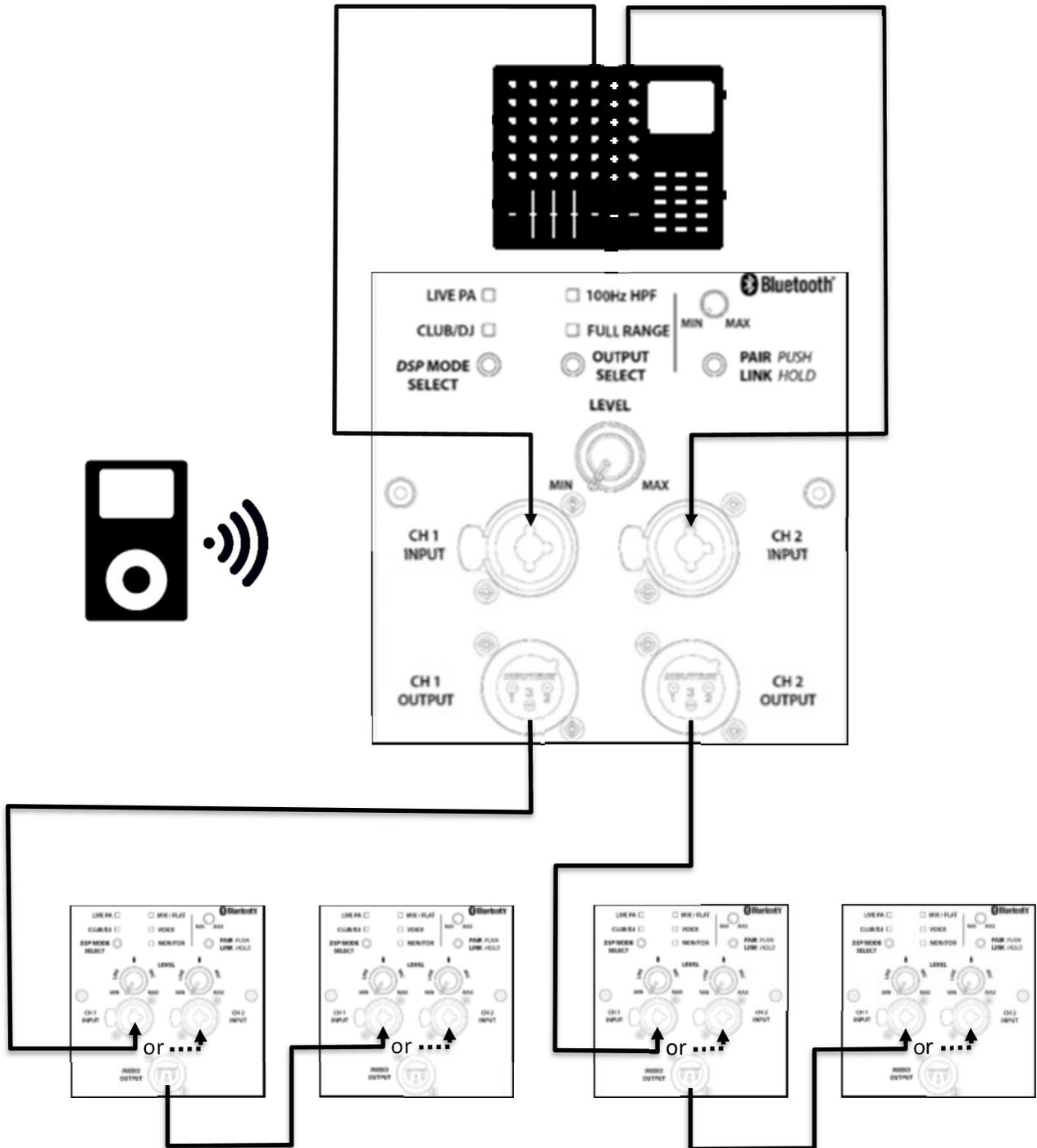
## Application #3 – Connecting a CVE-18s to a CVE-10, CVE-12, or CVE-15 using Channel Outputs

For demanding applications where even greater bass response is required, a CVE-18s subwoofer can be added to your CVE-10, CVE-12, or CVE-15 pair. In the diagram below, a line mixer is connected to **CH 1 INPUT** and **CH 2 INPUT** of the CVE-18s while a Bluetooth™ device is streaming audio. The signal is then sent through the CVE-18s **CH 1 OUTPUT** and **CH 2 OUTPUT** into **CH 1 INPUT** (or **CH 2 INPUT**) of each of the CVE tops. The CVE-18s is equipped with the option of sending these signals **FULL RANGE** or through a **100Hz High Pass Filter**.



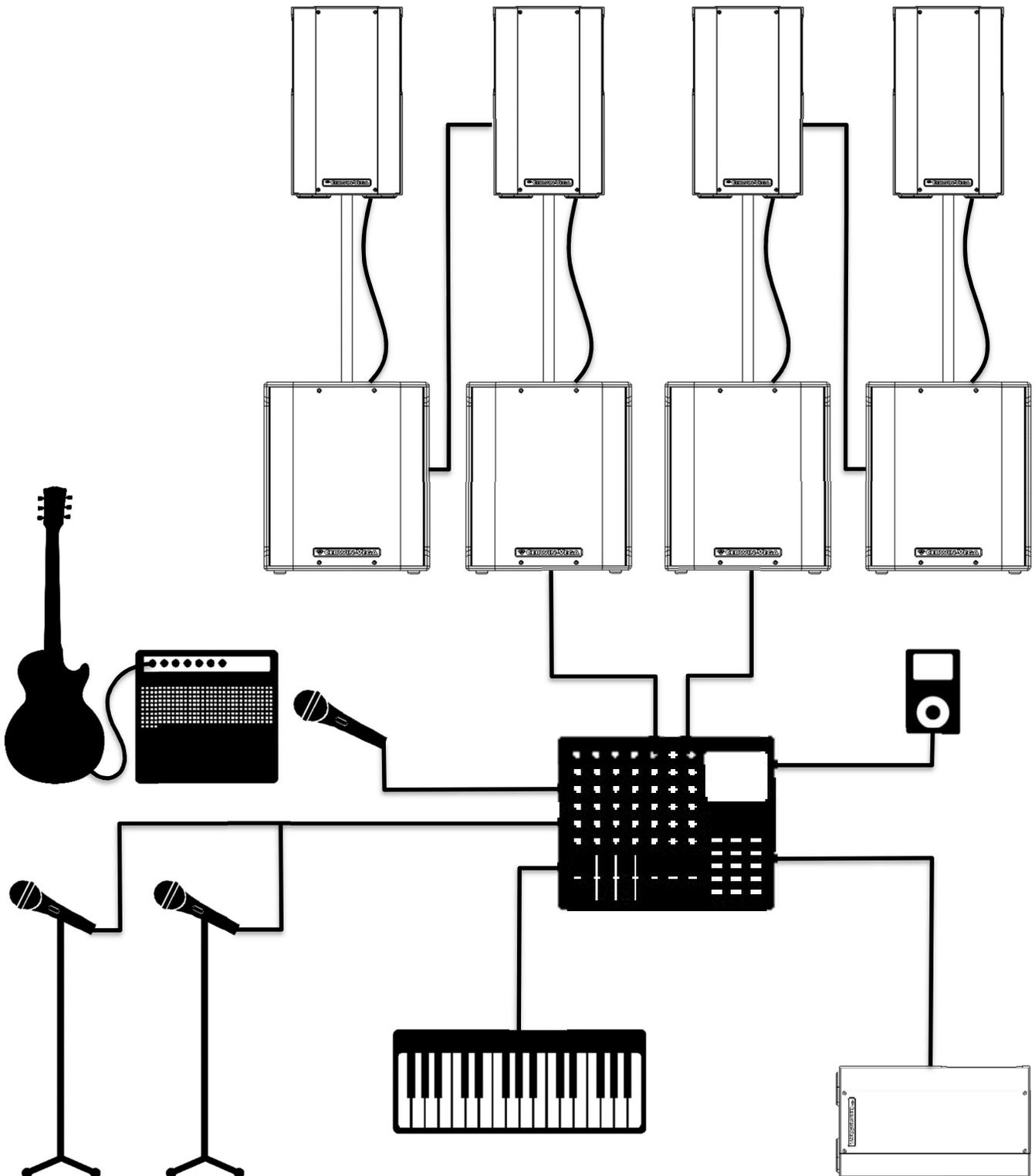
## Application #4 - Daisy-Chain

Some events may require several CVE speakers spread across a long distance or large stage front to provide adequate sound reinforcement for an entire audience. Use the **MIXED OUTPUT** to daisy-chain each successive CVE speaker as shown below.



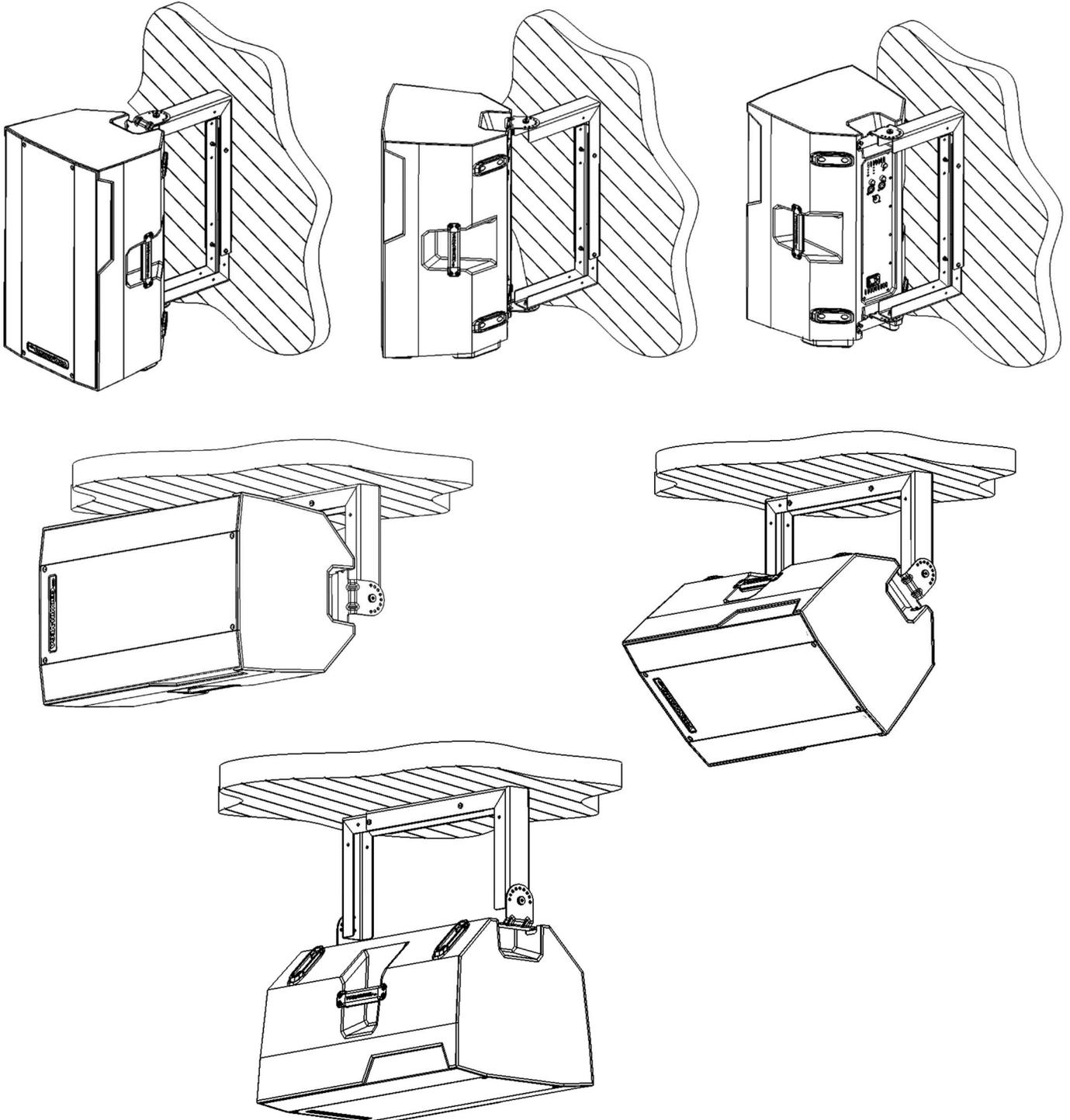
## Application #5 - Large Venue/Front of House

In larger venues, the Front-of-House engineer has control of the entire sound reinforcement system using the console mixer. The diagram below shows how a console mixer interfaces with the performers' on-stage audio equipment and several CVE speakers directed toward the audience.



## Wall/Ceiling mounting CVE tops

The CVE tops can be mounted to a ceiling or wall with the CVE wall mount accessory (sold separately). The speaker can be mounted in a variety of positions, as shown below. See wall/ceiling mount accessory user manual for detailed instructions.



## **Protective Grill**

The CVE speakers are shipped with the grill attached. It is recommended to leave the grill in place, as it will prevent any accidental damage to the drivers that may result during transportation, setup, and general use.

If the grill needs to be removed, simply remove the screws around the edge of the grill. Remove the grill slowly to avoid damaging the gasket. When replacing the grill, be sure the gasket is in place and all fasteners are secured tightly to prevent rattling during general use.

## Troubleshooting

Problem	Cause	Solution
<b>No Sound</b>	No connection to active AC power	Verify that the loudspeaker is connected to an active AC power source. Various outlets may need to be switched on. Use a lamp as another way to be sure the AC power source is active.
	Incorrect power switch position	Verify that the power switch on the back of the loudspeaker is set to the <b>ON</b> position.
	Incorrect <b>LEVEL</b> setting.	Adjust the <b>LEVEL</b> to a setting where sound can be heard.
	Inactive audio source, inadequate volume, or poor connection	<ul style="list-style-type: none"> <li>• Verify that the audio equipment is turned on and that its level is set to output an audio signal at an audible volume level.</li> <li>• Verify that the cable connection from the audio source output to the loudspeaker input is correct.</li> <li>• Verify that the MUTE switch on the audio mixer is disengaged.</li> <li>• Verify that an external power source is used with microphones that require phantom power.</li> </ul>
<b>No Power</b>	No connection to active AC power	Verify that the loudspeaker is connected to an active AC power source. Various outlets may need to be switched on. Use a lamp as another way to be sure the AC power source is active.
	Incorrect power switch position	Verify that the power switch on the back of the loudspeaker is set to the <b>ON</b> position.
	Incorrect AC power source voltage	Verify that the AC power source is not too high or too low.
	Blown loudspeaker fuse	Disconnect all power connections, and inspect and replace (if necessary) the fuse located on the rear of the loudspeaker.
<b>Shutdown</b>	Loudspeaker self-protection enabled	<ul style="list-style-type: none"> <li>• Avoid placing the loudspeaker near a heat source or in direct sunlight.</li> <li>• Avoid using an audio source with clipped and/or distorted input signal.</li> </ul>

Troubleshooting (continued)

Problem	Cause	Solution
Bad Sound	Incorrect equipment settings, causing distortion	<ul style="list-style-type: none"> <li>• Check the meters on the external mixing console to ensure that the signal is not being clipped by the mixer. If the levels from the mixer are too high, correct the gain structure of the console, first by lowering the pre-amplifier trim (input sensitivity). If this does not lower the signal level sufficiently, then lower the channel faders. If the level is still too high, then lower the master bus; however, a clipped input is most likely the source of the distortion. It is important to check every active input channel on the console to ensure that each input trim is set correctly for each source.</li> <li>• If the signal sources are plugged directly into the speaker, make sure that the input levels are not turned up too high. If the signal indicator LED is turning red on any channel, this indicates that the input on that channel is clipping and that the input level needs to be lowered. It is also possible that the source level needs to be lowered. If distortion is still audible after lowering the source level and input level, then lower the master volume.</li> <li>• Check that the audio source and/or mixer do not have excessive bass or treble added to the mix, as overdriven EQs can clip, causing audible distortion.</li> </ul>
Cable connections are bad.		Verify that all connections are good. Verify that the connectors are clean and free of any residue buildup. Verify that the insulation jackets on all cables have not been torn or crushed.
Rattling Sounds		Be sure that the rattling sounds do not come from the caster wheels (subwoofer only), loudspeaker stands, or any furniture or fixtures located near the system.
Bad AC mains cable location		Avoid using an AC power source that is connected to a light dimmer. Use an AC filter box, or use a different AC circuit. Avoid routing the audio signal cables along other power cables, transformers, or signal cables to prevent interference.
Ground loop hum		Turn all volume and input levels to their minimum settings to verify there is no hum coming from the connected audio equipment. If the hum is still present, then remove all audio cable connections; if the hum disappears, then there is a potential ground loop problem. Ground lifting the signal cable (with a direct box or coupling transformer) is the safest way to eliminate ground loops within sound setups. Plug all audio equipment AC power connections into the same outlet, which shares a common ground (make sure that the outlet is capable of supporting the power draw of the equipment to avoid overloading the circuit). Verify that the distance between AC power source and common ground is as short as possible.
Equipment hiss		Use a balanced connection to take advantage of the best noise rejection. Plug all audio equipment AC power connections into the same outlet which shares a common ground (make sure that the outlet is capable of supporting the power draw of the equipment to avoid overloading the circuit).

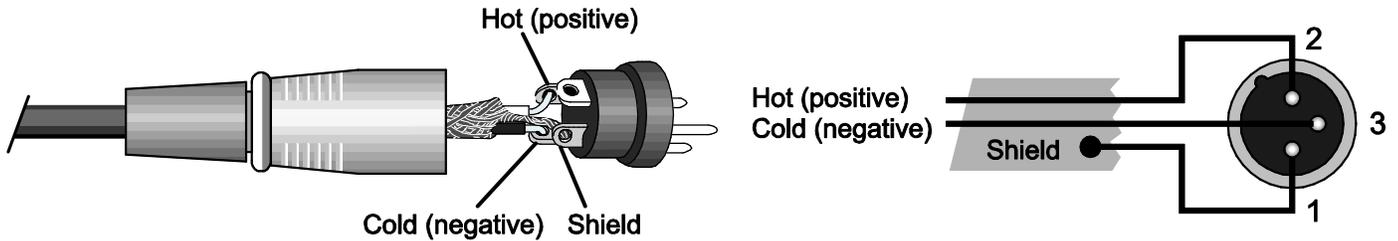
## Care and Maintenance

Before any cleaning or maintenance, be sure the loudspeaker is unplugged, turned off, and that all cables have been removed. Be sure to prevent any moisture coming into the openings of the speaker.

The loudspeaker can be maintained cosmetically by using a dry cloth. Avoid using cleaning chemicals, as they may harm the finish of the loudspeaker. A direct burst of air should be avoided since it could harm the drivers or force debris into the enclosure.

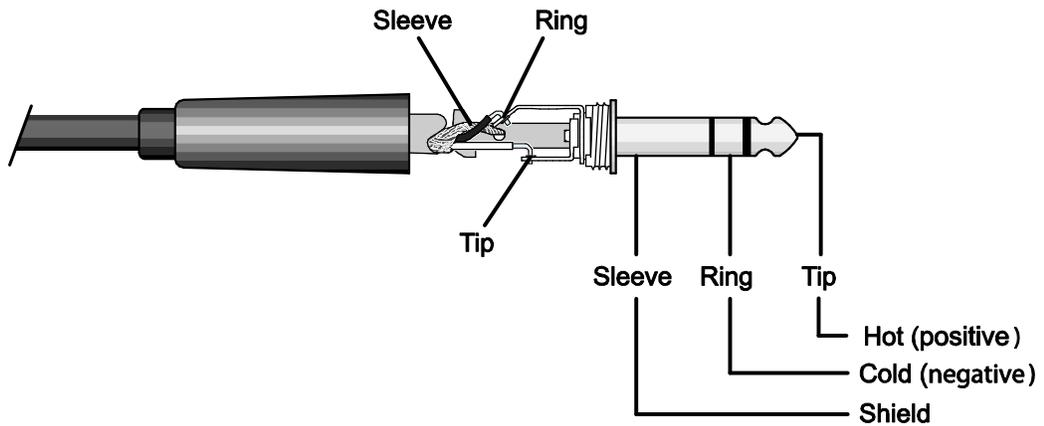
When storing the loudspeaker, be sure to avoid areas prone to accidental flooding and excess dust buildup. It is suggested to cover the loudspeaker while it is placed in storage or being transported.

## Cable Connections

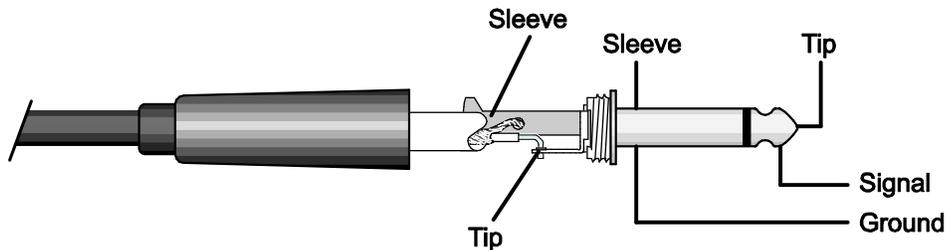


XLR Balanced Input

### 1/4" TRS Balanced



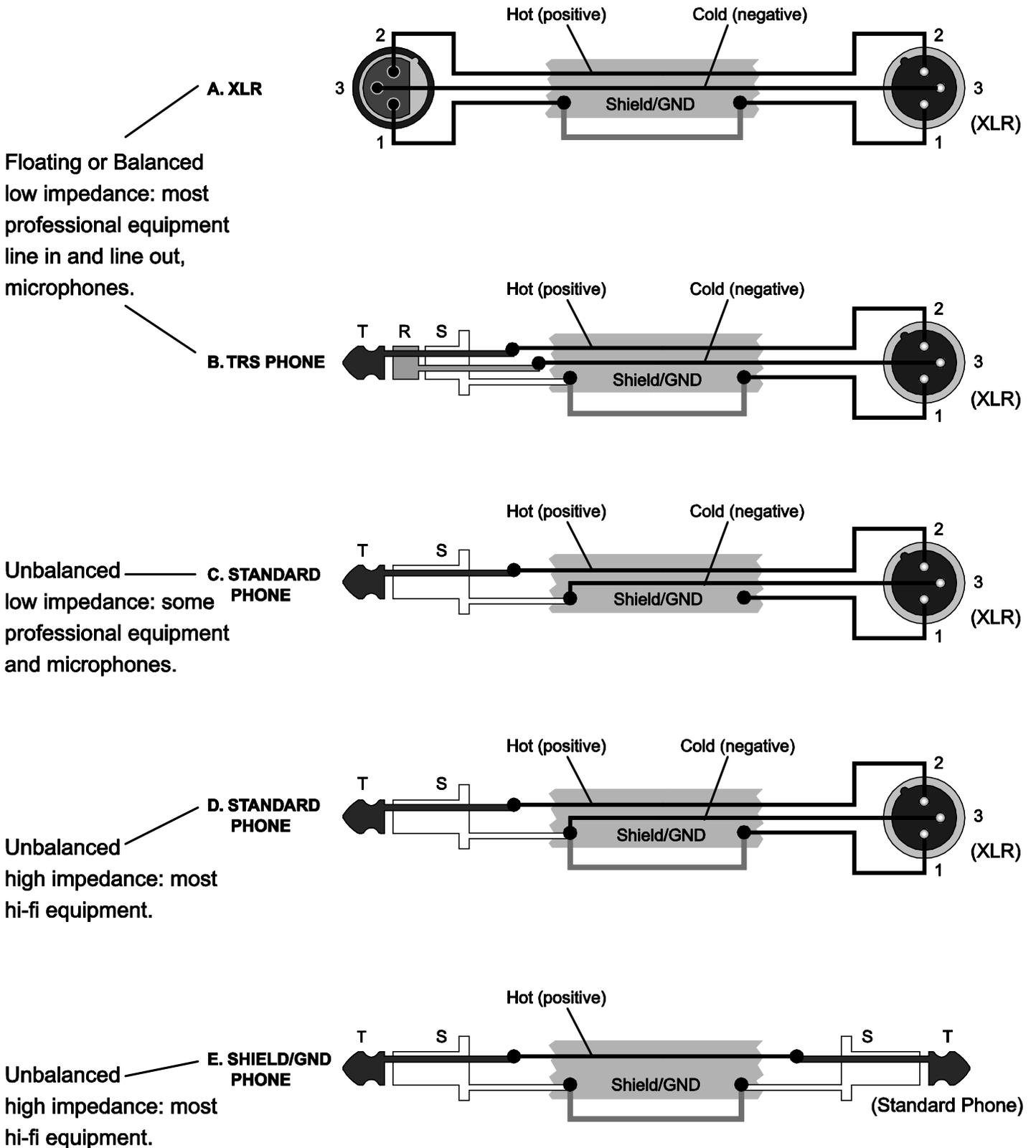
### 1/4" TS Unbalanced



**REMOTE DEVICE DESCRIPTION**

**CABLE**

**REMOTE SIDE OF CABLE (Connector Type)**



## Warranty

Thank you for choosing one of Gibson Pro Audio's brands (Stanton, KRK, or Cerwin-Vega).

Your satisfaction is extremely important to us. We proudly stand behind the quality of our work and appreciate that you put your trust in us. Registering your merchandise will help us guarantee that you are kept up to date on our latest advances.

To Register Merchandise Purchased from an Authorized Gibson Pro Audio Dealer in the U.S.:

Please go to: <http://www.gibson.com> and register online.

Or you may send your warranty card to:

Gibson Customer Service

309 Plus Park Blvd.

Nashville, TN 37217

If you have any questions you may contact customer service at:

1-800-4GIBSON (1-800-444-2766)

e-mail: [service@gibson.com](mailto:service@gibson.com)

FOR MERCHANDISE PURCHASED FROM AN AUTHORIZED GIBSON PRO AUDIO DISTRIBUTOR OUTSIDE OF THE US, PLEASE CONTACT THE DISTRIBUTOR FROM WHOM YOU PURCHASED YOUR MERCHANDISE FOR TO REGISTER YOUR WARRANTY AND FOR HANDLING AND RESOLUTION OF ALL WARRANTY-RELATED ISSUES.

### Gibson Pro Audio Warranty

If at any time your Gibson Pro Audio product (which includes Stanton, KRK, or Cerwin-Vega brands) malfunctions as a result of faulty materials or workmanship, Gibson Pro Audio or one of Gibson Pro Audio's Authorized Service Centers in the US will repair the defect(s) or replace the merchandise as it deems appropriate at its sole discretion.

Warranty Period (from date of Purchase as listed on the Bill of Sale):

#### Stanton

One (1) year for all Stanton products

#### KRK

Three (3) years for all studio monitors

One (1) year for all headphones and computer audio devices, including room-correction devices

#### Cerwin-Vega

Five (5) years for all passive speaker systems

Three (3) years for all active speaker systems

Three (3) years for all mixers

Gibson will warrant all replacement parts and repairs for ninety (90) days from the date of original shipment.

In the unlikely event that your merchandise is destroyed, lost, or damaged beyond repair while in the possession of Gibson or one of Gibson Pro Audio's Authorized Service Centers for repair, Gibson will replace that merchandise with one of the same or most similar style of a value not more than the original purchase price of your merchandise. Any insurance covering the merchandise, including but not limited to collector's value insurance, must be carried by the owner at the owner's expense.

For the fastest and safest merchandise return, please use the original shipping carton and packaging materials. Gibson cannot be responsible for any damages incurred during the shipping process due to poor or inadequate packing.

THIS WARRANTY IS EXTENDED TO THE ORIGINAL RETAIL PURCHASER ONLY AND MAY NOT BE TRANSFERRED OR ASSIGNED TO SUBSEQUENT OWNERS. TO VALIDATE YOUR WARRANTY, AND AS A CONDITION PRECEDENT TO WARRANTY COVERAGE HEREUNDER, YOU MUST REGISTER YOUR WARRANTY WITHIN FIFTEEN (15) DAYS FOLLOWING THE ORIGINAL DATE OF PURCHASE. YOUR PROOF OF PURCHASE OR SALES RECEIPT MUST ACCOMPANY ALL REQUESTS FOR WARRANTY COVERAGE.

This warranty is subject to the following limitations:

**THIS WARRANTY DOES NOT COVER**

1. Any merchandise that has been altered or modified in any way or upon which the serial number has been tampered with or altered.
2. Any merchandise whose warranty card has been altered or upon which false information has been given.
3. Any merchandise that has been damaged due to misuse, negligence, or improper operation.
4. Any merchandise that has been damaged by accident, flood, fire, lightning, or other acts of nature.
5. Shipping damage of any kind.
6. Any merchandise that has been subjected to extremes of humidity or temperature.
7. Any merchandise that has been purchased from an unauthorized dealer, or upon which unauthorized repair or service has been performed.

GIBSON MAKES NO OTHER EXPRESS WARRANTY OF ANY KIND WHATSOEVER. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, EXCEEDING THE SPECIFIC PROVISIONS OF THIS WARRANTY ARE HEREBY DISCLAIMED AND EXCLUDED FROM THIS WARRANTY. SOME STATES AND/OR COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES SO THAT THE ABOVE MAY NOT APPLY TO YOU.

GIBSON SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT CONSEQUENTIAL, INCIDENTAL OR OTHER SIMILAR DAMAGES SUFFERED BY THE PURCHASER OR ANY THIRD PARTY, INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS OR BUSINESS OR DAMAGES RESULTING FROM USE OR PERFORMANCE OF THE MERCHANDISE, WHETHER IN CONTRACT OR IN TORT, EVEN IF GIBSON OR ITS AUTHORIZED REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND GIBSON SHALL NOT BE LIABLE FOR ANY EXPENSES, CLAIMS, OR SUITS ARISING OUT OF OR RELATING TO ANY OF THE FOREGOING.

FOR MERCHANDISE PURCHASED FROM AN AUTHORIZED GIBSON PRO AUDIO DISTRIBUTOR OUTSIDE OF THE US, PLEASE CONTACT THE DISTRIBUTOR FROM WHOM YOU PURCHASED YOUR MERCHANDISE FOR THE HANDLING AND RESOLUTION OF ALL WARRANTY ISSUES. FOR THESE PURCHASES, THE ABOVE-DESCRIBED WARRANTY IS NOT APPLICABLE.

## How to Obtain Warranty Service

### Warranty service outside the United States

To initiate a warranty repair, please contact the Authorized Gibson Pro Audio distributor from whom you purchased your merchandise and follow the distributor's return/warranty policy.

### Warranty service for merchandise purchased from an authorized Gibson Pro Audio dealer in the U.S.

In the event of malfunction of your Gibson Pro Audio merchandise, the Dealer or Owner must call Customer Service at 1-800-4GIBSON (1-800-444-2766), and obtain a Return Authorization number from the customer service agent. No merchandise may be returned to Gibson without such prior Return Authorization, and the Return Authorization number must be written on the outside of the shipping package. The Customer Service agent will provide the address and additional shipping instructions. The owner must ship the merchandise with freight and insurance pre-paid to the address provided by the customer service representative. Only Authorized Gibson Pro Audio Service Centers may perform warranty service; any service performed by unauthorized persons will void this warranty. Gibson disclaims liability for defects or damage caused by services performed by unauthorized persons or non-warranty service not performed by Gibson or an Authorized Gibson Pro Audio Service Center.

When contacting Gibson, you must include a complete written description of the malfunction of the merchandise. If non-warranty work is required or recommended, a quotation will be issued that must be approved by you before any non-warranty work is commenced. You should consider quotations obtained for non-warranty work immediately and advise the Authorized Gibson Pro Audio Service Center or Gibson of your decision. You are not required to purchase non-warranty work in order to obtain service on materials covered by this warranty. Following its inspection of merchandise upon its arrival, Gibson or the Authorized Gibson Pro Audio Service Center will advise you or your dealer of the approximate date of completion. The repaired merchandise or part will be returned to you or your dealer, freight collect insured.

No representative or other person is authorized to assume for Gibson any liability except as stated in this warranty. This warranty gives you specific rights which vary from state to state and country to country.

For further information, write

Customer Service Dept.,  
Gibson Customer Service  
309 Plus Park Blvd.  
Nashville, TN 37217

Or call

1-800-4GIBSON (1-800-444-2766)