



*L1® Compact portable line array loudspeaker*

## FREQUENTLY ASKED QUESTIONS

### What makes the L1® Compact portable line array system different from other L1 portable line array systems?

The L1 Compact system is our most portable L1 system and can be carried in a single trip. Its interlocking components eliminate the need for speaker wires, allowing the system to be set up in less than a minute. The L1 Compact system combines PA and monitors into a single loudspeaker system, produces exceptionally wide horizontal sound coverage and features integrated ToneMatch® signal processing. Bose Engineers have designed the user interface to be intuitive enough for the lay person, yet with the right features for demanding musicians.

Additionally, the L1 Compact system is the only L1 portable line array system that can be set up in two unique positions to accommodate different uses:

- **Extended Position** – Recommended for larger audiences, the extended position allows users to elevate the L1 Compact loudspeaker array, enabling it to project sound clearly and evenly throughout larger venues. Included with the L1 Compact system are two interlocking L1 Compact extensions used to elevate the array.
  - The Extended Position is well-suited for situations such as musical performances, DJ events, or providing voice lift for larger gatherings.
- **Collapsed Position** – Recommended for smaller audiences, the collapsed position allows the L1 Compact loudspeaker array to be inserted in the front of the power stand, creating a very small profile. When used in this position, the system should be placed on top of a table or elevated stage. This will allow sound to project clearly and evenly

throughout the room.

- The Collapsed Position is well-suited for situations such as intimate acoustic performances, presentations, speeches, or music playback.

**How do I set up the system in the Extended Position?**

- 1) Slide the loudspeaker array up and out of the power stand and temporarily lay it aside.
- 2) Align the plug on the bottom of one of the extensions with the socket on the power stand.
  - *Note: The two L1 Compact extensions are identical to each other. Either one can be used on the top or bottom.*
- 3) Slide the L1 Compact extensions into the power stand. Be sure to fully insert the bottom extension to complete the audio connection and assure stability.
- 4) Align and connect the remaining extension, pushing it firmly into place.
- 5) Align and connect the L1 Compact loudspeaker array, pushing it firmly into place.

**What is the optimal placement when using the L1® Compact portable line array system in the Collapsed Position?**

The Collapsed Position is typically reserved for situations where you are in a smaller room. When in the collapsed position, we suggest placing the L1® Compact system on a table, so that sound projects throughout the audience. The system may be placed in back of the performer or presenter or just off to the side. Although sound will bend around obstructions, for best results, there should be a few feet between the performer and the system when it is positioned behind.

**What is Spatial Dispersion™ loudspeaker technology?**

Spatial Dispersion™ loudspeaker technology is only available from Bose. The arrangement of drivers in the loudspeaker array enables the system to fill an entire room with clear, powerful, tonally balanced sound from a single loudspeaker system. Sound remains consistent even at the extreme sides of the system.

**Given its smaller size, does the L1 Compact system project sound as far as larger L1 systems?**

The L1 Compact loudspeaker array produces horizontal coverage that is comparable to that of the larger L1 Model I or L1 Model II systems. Longer line arrays such as those found in the Model I and Model II can project sound further with less drop-off of sound levels than the smaller array found in the L1 Compact system.

**Is the L1 Compact system designed for mobile DJ use?**

**Yes.** The enhanced portability, easy set-up and professional sound quality of the L1 Compact system make it suitable for a variety of applications where a conventional PA system could be used: DJs, community and athletic events, business presentations, or wherever high-performance and easy-to-use sound amplification is needed.

The L1 Compact system features a stereo RCA, stereo 1/8", and 1/4" input for connecting a DJ mixer, laptop, MP3, or CD players. When making announcements, simply plug a dynamic handheld microphone into the Channel I Microphone input.

Two L1 Compact systems are recommended for DJ applications to help reproduce stereo sound. Additionally, a single L1 Compact system can be conveniently used as a satellite system for larger DJ events.

**What are the benefits of the integrated ToneMatch® system processing?**

Envision if a skilled studio engineer listened to the sound of your acoustic guitar or dynamic handheld microphone being played through an L1 system,

and made a series of equalization adjustments to optimize the sound, then saved those changes as a preset that could be instantly recalled at the touch of a button on any stage in the world...that is the power of ToneMatch® signal processing.

- **Channel I** – This microphone input features a ToneMatch preset that has been optimized for use with a dynamic handheld microphone. Simply connect a microphone and the preset is automatically engaged.
- **Channel II** – Features a ToneMatch preset designed specifically for use with an acoustic guitar. Connect your acoustic guitar to the 1/4" input and place the adjoining switch in the “Acoustic Guitar **ToneMatch**” or upward position to engage the preset.

Note: This switch only engages a ToneMatch preset for the acoustic guitar; all other sources connected to Channel II remain unaffected.

#### How many channels does the L1® Compact portable line array system have?

The system has two channels that support a wide variety of uses:

##### Channel I

- **Microphone Input** – This input is only designed for use with a dynamic handheld microphone as it features a ToneMatch preset which has been optimized for use with this type of microphone. Simply plug in and the preset is automatically engaged, adding clarity and definition to vocals.

##### Channel II

- **1/8" Stereo Input** – Balanced analog input for connecting MP3 players, laptop computers, satellite radio, smart boards, video projectors or any other device with a line-level audio output.
- **RCA Stereo Input** – Line level analog input for connecting a DVD/CD player, VCR, DJ mixer, or smart board.
- **1/4" Instrument Input** – Accepts either a balanced or unbalanced cable used for connecting instruments such as keyboards and guitars. This input contains a customized ToneMatch preset developed specifically for use with an acoustic guitar. To engage the preset, make sure the ToneMatch preset switch is in the upward position. If connecting an instrument other than an acoustic guitar, position the ToneMatch preset switch in the downward position.

Note: All three inputs on Channel II may be utilized simultaneously. The overall level of Channel II is controllable via the Channel II volume control. To increase the level of a particular source, the user must make adjustments on the individual source device.

#### Does the L1 Compact portable line Yes. array system have audio outputs?

The L1 Compact power stand features two audio outputs:

- **RCA record output (unbalanced)** – This output passes the same mono audio signal out of each connector and may be used to connect to an external recording device.
- **1/4" Output (balanced or unbalanced)** – Connect this mono output into the Channel II 1/4" input on a second L1 portable line array system. It is possible to daisy chain multiple systems together for use in larger or separate rooms.

#### Is the T1 ToneMatch® audio engine Yes. However, please note that the optional T1 ToneMatch audio engine

**compatible with the L1® Compact portable line array system?**

power supply is required for operation. For musical performances that require access to our most advanced tone shaping library, a full suite of studio quality effects, dynamics processing, and expanded inputs and outputs, the T1 ToneMatch audio engine is the recommended choice.

To use the T1 ToneMatch audio engine with the L1 Compact system, simply connect the master output of the T1 ToneMatch audio engine's 1/4" output to the 1/4" input on Channel II of the L1 Compact system. Adjust the master level of the T1 ToneMatch audio engine to at least at 50% and adjust the L1 Compact system's Channel II volume level to the desired level.

**Can each member of a band or ensemble use their own L1 Compact system?**

**Yes.**

**How can I take advantage of instruments or devices that deliver stereo output?**

A single L1 Compact system can combine the two channels and fill the venue with one speaker. For instruments or recorded material where stereo reproduction is essential, two L1 Compact systems can be used to deliver stereo sound.

**How are you able to obtain such a high level of performance from a smaller system?**

Great care was taken in the design process to ensure that all the speakers and electronics perform as one integrated system. This allows the L1 Compact System to be extremely efficient and maximize its acoustical output while maintaining its small profile.

**Can the L1 Compact system be used outdoors?**

**Yes.** The system can be used inside or out, but must never be exposed to precipitation or extended periods of direct sunlight.

**Can I connect an external subwoofer – such as the Bose B1 bass module – to the L1 Compact system?**

**No.** The bass module is integrated into the L1 Compact system. The system does not support adding additional bass modules.

**Where should the L1 Compact system be positioned on stage?**

System placement requirements for the L1 Compact system are flexible. For optimal sound for both the audience and performer, position the system directly behind – or behind and slightly off to one side of – the performer.

**What voltages is the L1 Compact portable line array system available in?**

The L1 Compact system features a switching power supply that allows it to operate in regions ranging from 100V – 240V. The proper power cord for the specific region in which the system was purchased is included in the product carton.

**What is the warranty period on the L1 Compact portable line array system?**

The L1 Compact power stand has a two-year limited warranty. The L1 Compact loudspeaker array and L1 Compact extensions have a five-year limited warranty. The warranty is transferable with the product even if the ownership changes.

**Can the L1 Compact system be used with the L1 Model I or Model II system?**

**Yes.** All L1 systems can share the same stage. The L1 Model I and L1 Model II systems have longer line arrays than the L1 Compact system and can project sound further with less drop-off of sound levels than the smaller array found on the L1 Compact system.

**Where can I learn more about L1 portable line array systems and obtain tips on maximizing the benefits of my system?**

To interact with other L1 system users and members of the product team, obtain more in depth product support, or share your experiences, please visit [www.bose.com](http://www.bose.com) where you will find a link to our online Musicians community at <http://bose.infopop.cc/eve>.

Additionally, our Product and Technical Support Staff of experienced musicians are available for live support at 877-335-2673 (USA and Canada) M-F 9:00AM – 9:00PM.