DiamondBoxx

MODEL L3

Congratulations on your purchase of the highest performance portable Bluetooth speaker / amplifier system available. Our design goal was to build something that could be heard over a noisy gathering or environment while sounding great, as well as being completely portable, without need for nearby electricity.

We used the highest quality materials for each intended purpose.

Wood ⬥ Aluminum ⬥ Titanium ⬥ Lithium ⬥ Leather ⬥ Neodymium

Put together along with a 300 Watt RMS (600W max), 6 channel Class A/B high fidelity amplifier in a tri-amped arrangement (225mm drivers are multiple voice coil; two coils with subwoofer signal, one with midbass). We also use active crossovers for the best sound possible in the lightest package with the longest battery life.

Your DiamondBoxx was hand-built and when cared for properly should provide you with years of listening pleasure.

Happy Listening!

Tony D'Amore, CEO
DiamondBoxx

DO NOT THROW AWAY YOUR PACKAGING it is required incase of return for WARRANTY ISSUES or REFUND. If it's too bulky, cut the tape on the bottom and fold it flat. Store foam endcaps next to it.

YouTube
www.youtube.com/c/DiamondBoxx

DiamondBoxxCo

DiamondBoxxCo

The Power Button

This controls the power to the DiamondBoxx.
Push in to switch power on.
Push again to switch DiamondBoxx off

The Knobs

Personalize your DiamondBoxx with optional knobs available at DiamondBoxx.com This gives you an easy way to customize your DiamondBoxx the way you want it.

Volume Knob
We suggest if the music source being connected to the DiamondBoxx also has a volume control, leave that device's control at MAX volume an use the DiamondBoxx volume control to control the level. This will provide the cleanest sound with lowest background noise floor.

Bass Knob
This provides about 10 decibels of range from min to max. It affects frequencies from 20Hz to 100Hz or so, gradually losing its effect with higher frequencies. Adjust to taste. Note: If very bass heavy music is used along with the bass knob at max, some real-time volume limiting may occur.

Treble Knob
This provides about 10 decibels of range from min to max. It affects frequencies from 2,000Hz to 20,000 Hz thus adding some sizzle to music that needs it or reducing the brightness of music that is overly bright. Adjust to taste.

To Change the Knobs
1. Turn knob to minimum position. Indicator line should be some-where between 6 and 7 o'clock position when set to minimum
2. Pull the knob straight off without twisting
3. Check to make sure the knob shaft is still at minimum position, Press the new knob onto the shaft with the indicator line between 6 and 7 o'clock postion

Battery Life

When you first power up the DiamondBoxx the White LED indicators under the DiamondBoxx logo will illuminate as a bar graph showing the % of battery charge. After a full recharge, the DiamondBoxx Model L3 will play up to 40 hours depending on volume level (around 8 hours max volume) and music type. Charging is accomplished by plugging in the supplied charger to the rear panel. DiamondBoxx CAN BE played while charging. If the LED on the charger is RED it is Charging. When it turns GREEN the DiamondBoxx is fully charged. *(If playing while charging, the charger LED might not ever turn green or might blink red to the beat of the music, this is normal).*The battery can be charged at any time, with the DiamondBoxx playing music or not.

Remember to check the battery level just switch the DiamondBoxx Power Switch OFF and then back ON to reboot and display charge level on the White LED bargraph display.

The Diamond

When it looks WHITE (really a combination of all colors so it may look different from different angles) the battery is more than 25% charged. If your Diamond turns RED this means your battery is less than 25% and getting low.

NOTE: If playing while charging, the charger LED might not ever turn green as some charging power will be used to keep the battery fully charged while playing). The battery can be charged at any time, with the DiamondBoxx playing music or not.

If audio quits playing and the Diamond is RED mixed with a flashing PINK/BLUE color this means the battery is completely discharged and music has been muted to protect it from further discharge. If this happens please plug charger into DiamondBoxx and let charge for a few minutes before expecting the DiamondBoxx to unmute and start playing music again.

NOTE: The DiamondBoxx can be charged while in use.

TWS (True Wireless Stereo) Button

This controls the TWS (True Wireless Stereo) system on the DiamondBoxx. This is used to connect two DiamondBoxx 3rd generation or later DiamondBoxxes together wirelessly in a split stereo pair for an amazing, headphone like stereo experience.

To USE TWS System
1. Start with both DiamondBoxxes powered OFF.
2. Power up one of the DiamondBoxx, pair your Bluetooth device with it. Start streaming some music to it.
3. Power up the 2nd DiamondBoxx
4. Now go back to the 1st DiamondBoxx, press and hold the TWS button until the white LED on the bar graph by the letter **M** flashes. This will set this DiamondBoxx to "MAIN" speaker which will receive and play LEFT audio only.
5. Now go to the 2nd DiamondBoxx, press and hold the TWS button until the the white LED on the bar graph by the letter **S** flashes then release button. This will set this DiamondBoxx to "SECONDARY" speaker which will receive and play RIGHT audio only.
6. Wait for up to 2 minutes for the DiamondBoxxes to configure themselves and form a secure connection. A beep will be heard confirming connection. Adjust both volume controls to Max and use volume on source (phone, tablet, laptop ..)

If the TWS linking procedure didn't work, press and hold the TWS button until the the white LED on the bar graph by the letter D flashes, this will DELETE the TWS memory. Do this to both units and start procedure again from Step 1.

Note: The maximum distance between the MAIN and SECONDARY DiamondBoxxes should be less than 50 feet with a unobstructed path of each other. If obstructions like walls and human bodies exist between the two DiamondBoxxes the max range could be shorter than 50 feet.

Tip: Raising the DiamondBoxxes off the ground/floor may help extend the range.

The Rear Panel

This is where you plug in the included charger to recharge your DiamondBoxx. **USE ONLY 16.8V DC Lithium Ion chargers. 7A Maximum Allowed Charging rate.** The output jack can be used to connect to DiamondBoxx subwoofers or other DiamondBoxx products. The input jack is a 2nd input that is mixed with the front panel AUX jack, they can be used simultaneously.

These connections can also be used to link multiple DiamondBoxxes together, or to add a DiamondBoxx Subwoofer. By plugging a 3.5mm Stereo cable into the **OUT** jack of one DiamondBoxx and into the **IN** jack of another DiamondBoxx you will have double the sound. The first DiamondBoxx will control the volume for both DiamondBoxxes. You can continue to daisy-chain them like this up to concert sound levels!

Tip: Turn power off to all DiamondBoxxes involved during this process. Then turn on the "Main" DiamondBoxx before turning on the next one.

Bluetooth Tip: If using Bluetooth, turn the "Main" DiamondBoxx on first, connect your Bluetooth device, then continue to turn on any other DiamondBoxxes. The cable required is a standard STEREO 3.5mm cable (sometimes called TRS) available at guitar or musical instrument store, or from our website or an electronics supply store, or Amazon.

The Bluetooth

To connect your Bluetooth device:
1. Turn on the DiamondBoxx
2. Reduce the DiamondBoxx volume to minimum
3. Start the Bluetooth service on your mobile device
4. Click on "DiamondBoxx L3."

Tip: We suggest setting the volume control on your mobile device to MAX and using the volume control on the DiamondBoxx to set the volume to your desired listening level for best performance. Also check phone or other device's settings for volume and volume limiter.

The Bluetooth range is up to 100 feet in line of sight, in clear "electrically quiet" environments up to 200 feet or more can be realized. Putting things between (like human bodies) will decrease this.

If you are having trouble with "DiamondBoxx L3" appearing in your Bluetooth device list power OFF the DiamondBoxx for about 20 seconds. In the meanwhile turn off Bluetooth services on your wireless device. Then turn back on the Bluetooth services on your wireless device, and the power ON the DiamondBoxx L3. It should immediately pop up on the list. If this doesn't work delete any other DiamondBoxx that might be on your list and repeat above procedure.

If DiamondBoxx L3. is already there, delete it. Now power on the DiamondBoxx and watch for DiamondBoxx L3. to pop-up on the device list. Select it and it should connect within 10 seconds.

The Handle

The handle was designed to make the DiamondBoxx portable while feeling comfortable in your hand. They are not luggage handles, they are professional (stage equipment) audio equipment handles. As with anything leather, it is a little stiff at first. A good pull on it should lock it in the upright position. Pressing down on it in the middle and on the ends should lay it flat again.

The DiamondBoxx Enclosure

The enclosure is made from high quality MDF wood. This is what most great sounding speakers use to make them sound good. Not plastic. The DiamondBoxx enclosure is internally braced and coated with DURATEX™ speaker coating that will provide years of protection and provides a barrier for water. If it should ever get damaged beyond your liking by knocking it into things, dropping it, scratching it etc; not all is lost. You can send it to us in the ORIGINAL PACKING or equivalent and we can replace the enclosure for a small fee. As they are all hand built and the finish coated by hand it is normal for there to be slight inconsistencies in the finish. Consider them like beauty marks, specific to your DiamondBoxx. To clean just wipe down with a water dampened cloth.

The Specifications

Size	23 x 14.5 x 9.5 inches
Bluetooth	Bluetooth 5.0 aptX HD
Woofers	8.8 inch Compressed Pulp Cone
Tweeters	1 inch Titanium Dome
Amplifier Power	300 Watts RMS , Max 600W
Frequency Response	38Hz - 22kHz @+/ -3dB
Peak SPL	120dB @ 1 meter
Weight	32lbs
Internal Battery	Lithium Ion 24 cell 18650 231Wh
Max Voltage	16.8V
Battery Life	Over 1000 recharge cycles
Time to fully recharge	About 8 hours on 2A charger
	About 4 hours on 4A charger
	Less than 3 hours on 7A charger

Included Items

DiamondBoxx Model L3
2A Lithium Ion Battery Charger
3.5 mm stereo audio cable
Extra knob colors (even more colors available at DiamondBoxx.com)
This manual

The Fun

Limited Warranty

DiamondBoxx warranties this product to be free of defects in materials and workmanship for a period of two years from the original purchase date.This warranty is not transferrable and applies only to the original purchaser from an authorized DiamondBoxx dealer. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction, DiamondBoxx will (at its discretion) repair or replace the defective product with new or remanufactured product at no charge. Damage caused by the following is not covered under warranty: accident, misuse, abuse, product modification or neglect, unauthorized repair attempts, misrepresentations by the seller. This warranty does not cover incidental or consequential damages. Cosmetic damage due to accident or normal wear and tear is not covered under warranty.

Any applicable implied warranties are limited in duration to the period of two years beginning with the date of the original purchase. No warranties shall apply to this product thereafter. Some states do not allow limitations on implied warranties; therefore, these exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If you need service on your DiamondBoxx:
All warranty returns should be sent to DiamondBoxx in the original packaging (so it doesn't get more damaged on its way to us) accompanied by proof of purchase (a copy of the original sales receipt). Warranty expiration on products returned without proof of purchase will be determined from the manufacturing date code. Non-defective items received will be returned COD. Customer is responsible for shipping charges and insurance in sending the product to DiamondBoxx. Shipping damage on returns is not covered under warranty, USE ORIGINAL PACKAGING

Manuals, Tutorials & Troubleshooting

Visit our website www.DiamondBoxx.com for tutorials and trouble shooting tips.

DiamondBoxx

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