DiamondBoxx

Congratulations on your purchase of the highest performance portable Bluetooth speaker / amplifier system available. Our design goal was to build something that is completely portable, without need for nearby electricity that could be heard in a noisy environment <u>while</u> sounding great. We used the highest quality materials for each intended purpose.

Wood - Aluminum - Titanium - Lithium - Leather - Neodymium

Put together along with a 600 Watt RMS (1000W Max) Class A/B 10 channel high fidelity amplifier in a tri-amped or bi-amped arrangement (mode dependent) with 2 way or 3 way active crossovers and analog signal processing for the best sound possible in the lightest package with the longest battery life, and ZERO LATENCY inputs for video use.

Your DiamondBoxx was hand-built, cared for properly it will provide you with many years of listening pleasure.

Ok! Let's Play!

The Power Button

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

The LED bar display

The LED bar display can tell you three things.

1. The battery charge level in 10% increments
2. The output volume level relative to maximum output
3. The TWS (True Wireless Stereo) setting mode

When the DiamondBoxx XL3 is first powered on, the LED display will indicate the battery level for about 5 seconds. After this, the LED bar will become a stereo output volume level indicator. It will display TWS mode only while setting up the TWS connection.

The MODE/TWS Switch

This is used for switching between SQ (Sound Quality) mode and SPL (Sound Pressure Level) modes, as well as controlling the TWS (True Wireless Stereo) function. A quick press and release of the button will toggle the DiamondBoxx XL3 between SQ mode and SPL mode. The indicator on the Mode switch will illuminate blue when in SPL mode. Use the chart on next page to decide which mode is most fitting for the situation.

MODE	Best for	Max SPL	Batt life
SQ	Normal Listening, deepest bass, conserving battery	121*	5-30 hours
SPL (Indicator LED blue)	When maximum overall loudness is needed	124*	4-25 hours

*In a 20 x 20 foot room measured at 3 feet distance from front of DiamondBoxx XL3

The MODE/TWS Switch - TWS function

To wirelessly connect two 3rd generation DiamondBoxx perform the following:

1. Power on the DiamondBoxx that will be the MAIN unit
2. Connect the Bluetooth device to it
3. Power on the DiamondBoxx that will be SECONDARY unit
4. Press and hold the TWS button on Main DiamondBoxx until the LED under the letter "**M**" blinks rapidly, then release button.
5. Press and hold the TWS button on the Secondary DiamondBoxx until the LED under the letter "**S**" blinks rapidly, then release button.
6. Wait for up to 1 minute for the DiamondBoxxes to form a secure connection. (It may pause the music on the Bluetooth device transmitting music so you may have to restart your music)
7. If after 1 minute you are unable to make a connection press and hold the TWS button on both DiamondBoxxes (one at a time) until the LED under the letter "**D**" flashes rapidly and then release button. This should delete (reset) any stored info in the TWS system, now start from step 1 again.
8. Note the 2 DiamondBoxxes must be less than 30 feet from each other typically.

Battery Life

After a full recharge, the DiamondBoxx will play 4 – 30 hours depending on volume level, mode, music type and EQ settings. 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 music 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.
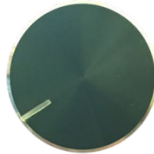
The Diamond

Besides its good looks, the 2 Carat CZ Diamond serves as the battery level indicator *while* the DiamondBoxx is playing. When it looks WHITE (really a combination of red, green and blue colors so it may look different from different angles) the battery is more than 25% charged. If your diamond turns RED the battery charge level is less than 25%. (It may blink between colors a bit with music playing, this is normal)

The AUX IN jack

This is a ZERO LATENCY input, perfect for using the DiamondBoxx XL3 with a video projector or other video source without lip-sync issues. The front panel AUX IN jack can be connected to just about anything with an audio output. This would include:

- Laptops, Tablets and Phones
- Computers, gaming consoles, projectors, TVs
- Audio Mixers

If the item you want to plug in doesn't have the right jack, your local electronics store will have an adapter. If not contact us at info@diamondboxx.com so we can help.

The Volume Knob

Self-explanatory. **Tip:** We suggest if the music source being connected to the DiamondBoxx also has a volume control, leave that device's control at MAX volume. Use the DiamondBoxx volume control to control the level. This will provide the cleanest sound without Bluetooth or other random noise getting into the sound.
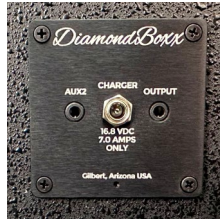
The Control Panel

Here we have the 5 tone controls. These should be adjust the sound to your preference and environment. For example: indoors, in a small room there might be too much bass, if so lower the SUBBASS and BASS controls.   For starters we recommend setting all the knobs to 0, or the 12-o'clock position and then adjusting to taste. NOTE: Turning all the knobs all the way up will likely cause some distortion and might LOWER the maximum output volume when trying to play it really loud as the distortion limiters will kick in to limit the distortion.

The Stereo Image Control Knob

This is the *MAGIC* knob! If only one DiamondBoxx XL3 is used in room, and your listening position is in front of the DiamondBoxx XL3, turning this know towards "WIDE" can make the XL3 sound like 2 separated speakers, several feet away from each other. This circuit amplifies the STEREO DIFFERENCE signal, or the difference between the left and right tracks of a song thus enhancing the stereo effect. It's like *virtual surround sound* to use common marketing terms. After listening to your XL3 with the set at halfway up or more, you won't want to live without it.

The Handle

The handle was designed to make the DiamondBoxx portable while feeling good in your hand. It can lock in 2 positions. 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 Rear Panel

This is where you plug in the included charger to recharge your DiamondBoxx. **USE ONLY THE INCLUDED CHARGER.   THE MODEL XL3 USES A 7A 16.8VDC CHARGER THAT IS DIFFERENT THAN MODEL M3 AND MODEL L3 CHARGERS**.

The 3.5mm OUT jack is for connecting to the AUX IN or AUX2 jack of another DiamondBoxx Model like the XL3, L3, M3 or Sub8.2. They can be daisy-chained in this manner an indefinite number of times to create a giant sound system! If two Model XL3s are to be used in a LEFT and RIGHT stereo setup, use the TWS wireless function. If the 3.5mm jack method is used both DiamondBoxx will play stereo information themselves.

You can combine the TWS function with the 3.5mm jack linking method as well if you have multiple "left" DiamondBoxx and multiple "right" DiamondBoxx. If this is something you wish to do make the Left and Right pair of DiamondBoxx using the TWS function as outlined on page 4, then connect additional "left" DiamondBoxx together using the rear 3.5mm AUX2/OUT jacks and additional "right" DiamondBoxxes together using the AUX2/OUT jacks with a 3.5mm stereo cable, available on DiamondBoxx.com or a musical instrument store). **No wire is needed between the left and right sides.**

Other Uses

The AUX IN or AUX2 jack can also be used to connect a musical instrument or mixing console, these are ZERO LATENCY inputs which work great with video use for no lip-synch issues.   If trying to use for a guitar amplifier a small battery powered preamp/effect box, pedal or mixer is necessary. Put this in-line between the guitar and the AUX IN or AUX2 jack to achieve the best sound and full output.

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 XL3"

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.

The Bluetooth range should be about 200 feet in line of sight. Putting things between (like human bodies) will decrease this.

If you are having trouble connecting –

1. Make sure nothing else / nobody else is connected to it.
2. Power off DiamondBoxx for 30 seconds, then power on and look for DiamondBoxx XL3 to pop up on your mobile device, tap to connect.
3. Make sure you are within 200 feet line of sight, closer if objects, walls, human bodies etc. are between the DiamondBoxx and the mobile device.

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. No plastic. As such, it may not be as rugged as plastic when it comes to cosmetic blemishes, but it SOUNDS much better. The DiamondBoxx enclosure is 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 rolled 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.

Happy Listening!

Tony D'Amore
CEO
DiamondBoxx

The Specifications

Size-	28 x 19 x 12 inches
Bluetooth-	Bluetooth 5.1 AptX HD, TWS
Woofers-	6 x 5.5 inch Aluminum Cone
Tweeters-	4 x 1 inch Titanium Dome
Amplifier Power-	600 Watts RMS , Max 1000W
Frequency Response-	35Hz - 22kHz @+/ -3dB
Weight-	41 lbs.
Internal Battery-	Lithium Ion 300Wh
Max Voltage-	16.8V
Battery Life-	Over 1000 recharge cycles
Charging time (0-100%)	3-4 hours w/ 16.8V 7A charger

Included Items

DiamondBoxx Model XL3
7A Lithium-Ion Battery Charger
3.5 mm stereo audio cable
This manual

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

**To obtain service please e-mail
DiamondBoxx at
Info@DiamondBoxx.com**

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Model XL3 Owner's Manual Rev A
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USA