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 while sounding great. We used the highest quality materials for each intended purpose.

Wood - Aluminum - Titanium - Lithium - Leather - Neodymium

Put together along with a 660 Watt RMS (1000W Max) Class A/B 12 channel high fidelity amplifier in a tri-amped or bi-amped arrangement (mode dependent) with active crossovers and DSP for the best sound possible in the lightest package with the longest battery life.

Your DiamondBoxx was hand-built, cared for properly it should 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 maxium output
3. The TWS (True Wireless Stereo) setting mode

When the DiamondBoxx is first turned on the LED display will display 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 SP (Sound Pressure) modes, as well as controlling the TWS (True Wireless Stereo) function. A quick press and release of the button will toggle the DiamondBoxx XL2 between SQ mode and SP mode. The indicator on the Mode switch will illuminate blue when in SP 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, deep bass, best outdoor bass	121*	4-25 hours (8-50 hours w/ 462Wh battery)
SP (Indicator LED blue)	When maximum loudness is needed, indoors if bass is overwhelming	124*	3-20 hours (6-40 hours w/ 462Wh battery)

*Indoors in average sized room at 3 foot distance

The MODE/TWS Switch - TWS function

To wirelessly connect two 2nd 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 2 minutes 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 2 minutes 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 "C" flashes rapidly and then release button.   This should clear 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 3 – 50 hours depending on volume level, mode, music type and which battery option your DiamondBoxx has. 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

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, and projectors
- Audio Mixers

If the item you want to plug in doesn't have the right jack, your local electronics store will have an adapter.

Note: If using the DiamondBoxx as an audio amplifier for a video source, (watching movies and etc.) the AUX jack should be used as it will avoid the delay caused by wireless audio transmission)

The USB POWER jack

We added this feature because we thought ahead. If you are at the beach or somewhere else listening to your music and your phone battery is running low, no worries. The DiamondBoxx has a built in 2.1A USB power connection. It will charge your phone or tablet from wherever you happen to be. Just plug in your phone charger cable and turn the DiamondBoxx on.

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 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 OR MAJOR DAMAGE CAN OCCUR, THE MODEL XL and XL2 USE A 7A 4 PIN CHARGER THAT IS DIFFERENT THAN MODEL M AND MODEL L CHARGERS**.

The OUT jack is for connecting to the IN jack of another DiamondBoxx Model XL2, XL, L2, or L. They can be daisy-chained in this manner an indefinite number of times to create a giant sound system! If two Model XLs are to be used in a LEFT and RIGHT stereo setup, use the TWS wireless function. If the ¼" jack method is used both DiamondBoxx will play stereo information themselves.

You can combine the TWS function with the ¼" 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 ¼" jacks and ¼" stereo cable (sometimes called TRS or balanced cable, available on DiamondBoxx.com or a musical instrument store) Repeat the wired linking for the "right" speakers. No wire is needed between the left and right sides.

Getting crazy with it

If you really want to get crazy we suggest purchasing some DiamondBoxx replacement small feet from DiamondBoxx.com to screw into the sides of the DiamondBoxx so that they can be positioned vertically instead of horizontally. (These are the feet for the Model M and L, L2) Then stack the left and right DiamondBoxxes in towers with the tweeters to the outsides and place all DiamondBoxxes in SP Mode. This will create a "Line-Array" system which will give you the loudest possible output, especially at a distance.

Other Uses

The "IN" jack can also be used to connect a musical instrument or mixing console, and to avoid any possible delay in sound caused by the DSP used on the AUX jack input. When using the rear "IN" jack the active crossovers and overload protection remain but the internal EQ and volume control are bypassed. If trying to use for a guitar amplifier a small battery powered preamp/effect box or pedal is nessasary. Put this in-line between the guitar and the "IN" 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 XL2"

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 50 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 XL2 to pop up on your mobile device, tap to connect.
3. Make sure you are within 50 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 4.2 aptX HD, TWS
Woofers-	6 x 5.5 inch Aluminum Cone
Tweeters-	8 x 1 inch Titanium Dome
Amplifier Power-	660 Watts RMS , Max 1000W
Frequency Response-	35Hz - 22kHz @+/ -3dB
Weight-	41-43lbs
Internal Battery-	Lithium Ion 231 or 462Wh
Max Voltage-	16.8V
Battery Life-	Over 1000 recharge cycles
Time to fully recharge-	3 - 6 hours

Included Items

DiamondBoxx Model XL2
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**

DiamondBoxx

Model XL2 Owner's Manual RevA
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Camarillo, California
USA