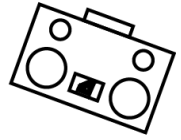


DiamondBoxx



SUB8.2



Congratulations on your purchase of the first battery powered rechargeable wireless Bluetooth SUBWOOFER! Our design goal was to build something that could add depth to the first 2 octaves of any other portable speaker that has an AUX IN jack. EVEN YOUR CAR!! As well as being completely portable, without need for nearby electricity. We used the highest quality materials for each intended purpose.

We used the highest quality materials for each intended purpose.

Wood ♦ Aluminum ♦ Lithium ♦ Leather ♦ Stainless Steel

Put together along with a 200 Watt RMS (400W Max) Class A/B high fidelity 4 channel amplifier with user adjustable 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.





The Power Button

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

The Knobs

Your DiamondBoxx should have been delivered along with 3 more sets of knobs in other colors. This provides you with a way to customize your DiamondBoxx the way you want it.



Volume Knob

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. IF THE DIAMONDBOXX WILL NOT LIGHT UP ALL OF THE WHITE LEDS WHILE PLAYING MUSIC WITH THE VOLUME KNOB TURNED TO MAX PLEASE CHECK THE VOLUME LEVEL AND THE VOLUME LIMITER SETTINGS IN YOUR BLUETOOTH DEVICE SETTING AND THE APP THAT IS BEING USED TO PLAY MUSIC. Many apps and phones have this volume limiter enabled by default.

Bass EQ Knob

The Bass EQ knob provides about 14 decibels of range from min to max. It effects frequencies from 20Hz to 80Hz. Centered at 45Hz these frequencies give music size and realism. Adjust to taste. Note: If very bass heavy music is used along with the bass knobs at max, some real-time volume limiting and/or distortion may occur, reduce bass controls or volume settings slightly.

The Xover control

The Xover knob adjusts the range of frequencies the SUB8.2 will play. More exactly it determines the highest frequency the SUB8.2 will play before starting to filter it out. The range is from 50Hz to 150Hz. If placed at 50Hz the SUB8.2 will play frequencies from 20Hz – 50Hz. If set at 150Hz it will play frequencies from 20Hz – 150Hz. The idea here is to set it to the frequency that your other speaker plays down to so that the combination of the SUB8.2 and your other speaker sound good together. In the end, adjust to taste. 70Hz is a good starting point.

To Change the Knobs

1. Turn knob to minimum position. Indicator line should be some-where between 6 and 7 o'clock 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.

Battery Life / Battery Level Meter

When you first power up the DiamondBoxx the White LED indicators will illuminate as a bar graph showing the % of battery charge. After a full recharge, the DiamondBoxx will play 6 – 40 hours depending on volume level 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 startup sequence and display charge level on the White LED display.

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 all colors so it may look different from different angles) the battery is more than 25% Charged.

If your diamond turns If it turns Red you are at less than 25%. (It may blink between white and red a bit with music playing, this is normal and means your battery is around 25%).

If the diamond is red blinking pink-purple this means the battery is too low to operate, please charge ASAP.

TWS (True Wireless Stereo) Button



This is used for True Wireless Stereo control. This is for wireless linking of two 2nd or 3rd gen DiamondBoxx or two DiamondBoxx SUB8.2 in a Main/Secondary LEFT and RIGHT configuration or a Mono/Mono configuration.

To Wirelessly connect two compatible DiamondBoxx perform the following.

1. Power on the DiamondBoxx that will be the MAIN.
2. Connect the Bluetooth device to it
3. Power on the DiamondBoxx that will be SECONDARY
4. Press and hold the TWS button on MAIN DiamondBoxx until the LED next to the letter "M" blinks rapidly, then release button.
5. Press and hold the TWS button on the Secondary DiamondBoxx until the LED next to 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 next to 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.

To switch between Left/Right Stereo and Mono/Mono operation while in TWS mode - Press and hold TWS button on the MAIN speaker until the LED next to the letter "X" flashes, immediately release.

The Rear Panel

This is where you plug in the included charger to recharge your DiamondBoxx. **USE ONLY THE INCLUDED CHARGER (16.8 VDC, 2 Amps) OR MAJOR DAMAGE CAN OCCUR.**

The FULL and 80Hz HP jack can be used to connect to additional DiamondBoxx subwoofers or other DiamondBoxx products or any other speaker with an AUX IN jack. We recommend if connecting a Model M, M3, 40W, 40TWS, or any other small size Bluetooth speaker to the subwoofer to use the 80Hz HP OUTPUT jack. This jack is useful to remove the bass from the speaker connected to it and let the SUB8.2 handle the low notes. Most smaller speaker systems will be able to play louder when they don't have to try to reproduce the low notes, leave those for the SUB8.2

The rear panel INPUT 1 jack and INPUT 2 jack can be connected to just about anything with an audio output. This would include:

- Output from another DiamondBoxx
- 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 or music store will have an adapter.

These two jacks are mixed together so multiple audio sources can be played at once or mixed together, they can be used simultaneously.

These connections can also be used to link multiple DiamondBoxxes together. 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 SUB8.2"

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 should be about 50 feet in line of sight. Putting things between (like human bodies) will decrease this.

If you are having trouble with "DiamondBoxx SUB8.2" 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 SUB8.2. 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.

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 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.

The Specifications

Size	28 x 15 x 13 inches
Bluetooth	Bluetooth aptX HD
Woofers	2 x 8.8 inch Dual Voice Coil
Amplifier Power	200 Watts RMS , Max 400W
Infrasonic Filter	24dB/oct @28Hz
High Pass Out Jack	80Hz - 20kHz @ -3dB 12dB/oct
Frequency Response	32Hz - 180Hz @ -3dB
Peak SPL	122 dB @ 1 meter
Weight	38 lbs
Internal Battery	Lithium Ion 2600mAh x 24 cells
Max Voltage	16.8V
Play time on full charge	6 to 30 hours
Battery Life	Over 1000 recharge cycles
Time to fully recharge	About 8 hours

Included Items

DiamondBoxx Model SUB8.2
Lithium Ion Battery Charger
3.5 mm stereo audio cable
This manual

The Fun

Limited Warranty

DiamondBoxx warrants 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

Model SUB8.2 Owner's Manual Rev D
2021
Camarillo, California USA