

DISC!

112 210 410



Welcome to the



owner manual

The UL D.I.S.T.

Thank you and congratulations on your purchase of a new DIST cabinet. Epifani is based in Brooklyn, New York, with design and manufacturing in America. We design innovative products that inspire musicians of all skills and styles to challenge their creative boundaries. Our old-world craftsmanship and innovative design has changed the world of bass amplifiers and cabinets by combining highly accurate sound, thundering low-end response and lowered weight.

Engineered for the rigors of the road, the demands of the modern recording studio, and long, comfortable hours of playing, your Epifani is designed to become a direct extension of your creativity and a fine musical instrument that will provide many years of enjoyment and musical performance. That's why Epifani is the choice of the finest bass players in music today.

UL - D.I.S.T. Loudspeakers use newly designed cast aluminum frame loudspeakers, intricately machined internal construction and every engineering advance we've gained in over 20 years of bass cabinet research and design.

D.I.S.T. (Dual Impedance Speaker Technology) is a unique technology that includes a revolutionary new neodymium speaker design with a complex crossover network that allows the user to select the ideal impedance - 8 or 4 ohms - to optimize the power handling of a single cabinet or multiple cabinet system. Simply amazing!

Please follow these simple guidelines for the use and care of your new cabinet. Should you ever need service, you can feel confident that we put as much pride in supporting our products as we do in their design and build. Contact us with comments and suggestions on how we can best serve your needs at www.epifani.com.

We hope you enjoy your Epifani as much as we enjoyed building it for you.

Nick & EPIFANI

IMPORTANT NOTE UPON RECEIPT OF THE PRODUCT:

Please inspect the shipping carton upon arrival if the packaging seems damaged, please return the item to the shipper.

IMPORTANT NOTE ON PRODUCT PACKAGING:

Your Epifani product was originally packaged in a specially designed carton and included special packing materials. Please save these items. They should be used when shipping your product.



Important safety Information

1. Read, follow and keep these instructions for the life of the product.
2. Do not use this apparatus near water.
3. Clean only with a dry cloth.
4. Do not block any ventilation openings. Install in accordance with all applicable manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
6. Do not defeat the safety purpose of the grounding type plug. A grounding type plug has two blades and a third grounding prong which are all used for your safety.
7. Protect the power cable from being walked on or pinched particularly at the plugs or at the point where they exit the device.
8. Unplug this apparatus during lightning storms or when unused for long periods of time.
9. Refer servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power cable has been damaged or liquid has been spilled, objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or if it has been dropped.
10. Damage requiring service:
Disconnect the cabinet from the amplifier and refer servicing to qualified service personnel under the following conditions.
 - a) When the power supply cord has been damaged.
 - b) If liquid has been spilled, or objects have fallen into the apparatus.
 - c) If the apparatus has been exposed to rain or moisture.
 - d) If the apparatus does not operate normally by following the operating instructions.
 - e) When the apparatus exhibits a distinct change in performance
 - f) If the apparatus has been dropped or damaged.
11. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation.
12. Object and Liquid entry: Never push any foreign objects of any kind into the openings as they may touch dangerous voltage points that could result in fire or electric shock. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids such as a beverage should come in contact with the unit.
13. Do not store your speaker cabinet in a particular moist environment for a long period of time as wood and speaker material as well as internal wiring may be subject to deterioration in performances.



D.I.S.T. cabs Controls

Rear Panel

1. Tweeter Level – Attenuates the output level of the tweeter.
2. Tweeter ON/OFF – This is essentially a bypass switch for the tweeter. If you do not intend to use the tweeter, we recommend shutting it off with the switch rather than the tweeter level control.
3. Impedance Selector – Switches the cabinet between 4 Ohms or 8 Ohms. It is important to understand how speaker impedance works. Please read Tao of Impedance for a detailed explanation.
4. Speaker Input/Output – Speakon™ / ¼" TS phone combo connector wired in parallel.



The Input/Output connections in the back of your cabinets are wired in parallel. If you daisy chain two 8-ohm cabinets, you will have a total impedance of 4 ohms. If your amp minimum load is 4-ohms, it means that you can use one 8-ohm or two 8-ohm cabinets or a single 4-ohm cabinet. In either event, be sure to wear proper ear protection – the DIST cabinets and Epifani amplifiers are very loud, high-fidelity products. We want you to have a very long and enjoyable music career, so please protect your ears when performing at high volumes.

DIST cabinets maybe equipped with Combo Neutrik Connectors. This means that you can use a Speakon connector or a ¼" connector. How? In the center of the Speakon connector you'll find ¼" hole to insert a ¼" jack.

For higher-power handling and more secure connections, use Speakon-to-Speakon cables with a speaker wire of at least 16-gauge. A lower gauge number means thicker cabling, so a 14-gauge cable is thicker in diameter and thus better than a 16- gauge cable. Thicker cabling means better low-frequency transmission to the cabinets.

Pin connection inside the Speakon connector should be +1 and -1. Be sure to specify this configuration when buying your speaker cables. Although this is the most common style, it is not the only style made.



the future has been drawn

features & Tips

When using multiple cabinets, be sure they are all in "phase". With a 9V battery (the same battery used inside most active basses) you can test the polarity, or phase, of your speakers to make sure all are working and moving in the right direction forward! Sometimes, when you daisy chain two cabinets, you will note a lack of bass response. Typically, this means that one of the cabinets is out of phase and its speakers are moving backward when they should be moving forward. If one cabinet or one speaker is moving backwards when the other moves forward, they will cancel each other out. You can readily notice this when a single cabinet has more bass and better response than when two are connected. Here's how to verify phase. Take a ¼" cable. Insert one side into a cabinet and touch the other tip of the ¼" jack to the "+" of a 9 volt battery and the shaft to the "-" of the battery. The connected speaker should move forward when this connection is made. If it does, the cabinet is in phase. If it moves backwards, you have a cabinet that's wired out of phase. The problem can be easily corrected by a speaker technician.

NEVER connect plus or minus to ground. If using a Speakon to 1/4" connection be sure the amplifier is OFF while plugging-in or unplugging a connector.

The two Input/Output connectors are wired in parallel, so you may plug into either connector.

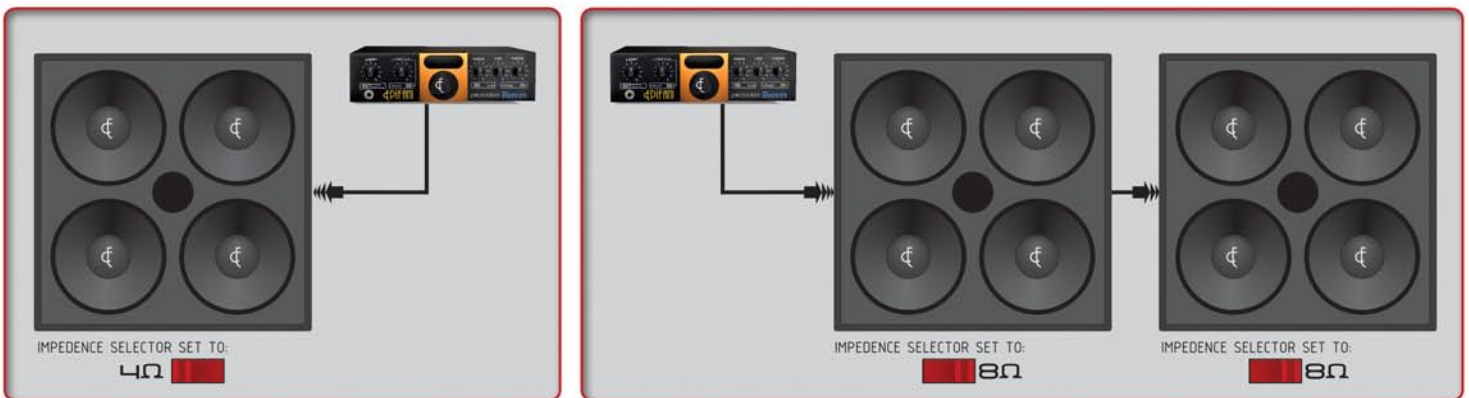
Tao of Impedence $\Omega = \text{Ohms}$

When connecting speaker cabinets to an amplifier, it is important not to exceed the minimum impedance for which the amplifier is rated. For example, either the **UL501** or the **Piccolo 600** bass head, have a minimum impedance rating of 4 Ω .

If the impedance of all speaker cabinets connected to the amplifier is less than 4 Ω , it will cause the amplifier to overheat and the protection circuitry will shut the amplifier off.

In most cases when using a single DIST cabinet, (left image) set the impedance switch to 4 Ω to get most the power out of your amp.

When combining two DIST speaker cabinets (right image) set the impedance selector to the 8 Ω position for a total impedance of 4 Ω .



D.I.S.T. Specifications

DIST - 410

| | |
|---------------|---|
| CONFIGURATION | 4 x 10" 250-watt dual voice-coil Neodymium drivers 1" compression tweeter with attenuator and on/off switch |
| IMPEDANCE | User switchable 4Ω or 8Ω |
| POWER RATING | 1000-watts RMS |
| SPECS | Response 40Hz - 16kHz Sensitivity 103dB (1W@1m) |
| HARDWARE | 2 x Speakon™ / ¼" TS phone combo output connectors Dado-joint construction, Void-Free Poplar Plywood Elephant Skin Tolex with high-impact ABS corners Steel recessed handles and an 18-gauge steel grill |
| DIMENSIONS | 26.25"h x 23"w x 17.75"d |
| WEIGHT | 58 lbs. (26.30 Kg.) |

DIST - 210

| | |
|---------------|---|
| CONFIGURATION | 4 x 10" 250-watt dual voice-coil Neodymium drivers 1" compression tweeter with attenuator and on/off switch |
| IMPEDANCE | User switchable 4Ω or 8Ω |
| POWER RATING | 500-watts RMS |
| SPECS | Response 40Hz - 16kHz Sensitivity 101dB (1W@1m) |
| HARDWARE | 2 x Speakon™ / ¼" TS phone combo output connectors Dado-joint construction, Void-Free Poplar Plywood Elephant Skin Tolex with high-impact ABS corners Steel recessed handles and an 18-gauge steel grill |
| DIMENSIONS | 18.5"h x 23"w x 17.75"d |
| WEIGHT | 38 lbs. (17.25Kg.) |

DIST - 112

| | |
|---------------|---|
| CONFIGURATION | 1 x 12" 300-watt dual voice-coil Neodymium drivers 1" compression tweeter with attenuator and on/off switch |
| IMPEDANCE | User switchable 4Ω or 8Ω |
| POWER RATING | 300-watts RMS |
| SPECS | Response 44Hz - 16kHz Sensitivity 99dB (1W@1m) |
| HARDWARE | 2 x Speakon™ / ¼" TS phone combo output connectors Dado-joint construction, Void-Free Poplar Plywood Elephant Skin Tolex with high-impact ABS corners Steel recessed handles and an 18-gauge steel grill |
| DIMENSIONS | 20.5"h x 16.25"w x 17.25"d |
| WEIGHT | 29 lbs. (13.10Kg.) |



Dialing in your sound

1. After connecting the speaker cabinets, set the MASTER volume control on your amplifier to the zero position and turn your amplifier on. This will prevent damage to your speakers in the event of a product failure or faulty input signal.

2. Turn the volume controls on your instrument to their full or loudest positions.

3. Set your amplifier EQ controls (bass, mid, and treble) to zero (twelve o'clock position) and begin turning up the volume on your amplifier to your desired levels.

4. When adjusting the EQ controls on your amplifier, the sound of your instrument can be shaped in subtle or dynamic ways. On a high-quality amplifier like an Epifani, a little EQ goes a long way. In fact, many sound engineers start with the EQ in the flat position and CUT frequencies to achieve the desired sound. They then add gain to make up the loss of volume due to the reduction in EQ. Cutting back is typically preferred to boosting. If you are dramatically boosting all of your EQ settings, you might want to call your Epifani Dealer or us directly to discuss your setup.



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Professional Bass Amplifier

innovate evolve inspire

Do not forget to check out our great light weight, powerful amplifiers, the perfect match to your brand new DIST cabinet.

piccolo Bass

- Hi-Fi Digital Power Amplifier
- 600 W. Rms
- Exclusive Nick Epifani Developed Vintage Tone Circuit
- Ergonomic Innovative Stylish Design



UL 501

- Hi-Fi Class AB Power Amplifier
- 800 W. Rms
- Light Weight Switching Power Supply



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