

owner manual



112 210 310 410

112 DIST

Welcome
to the
 family

3

The UL 3 cabinets

Thank you and congratulations on your purchase of a new UL3 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.

The UltraLight (*UL-series*) of cabinets and amplifiers were first introduced at the 2002 NAMM Show to widespread acclaim. As the first speaker cabinets to combine unprecedented sonic performance and amazingly low weights, the UL-series became the benchmark for bassists the world over. The UL3-series, the latest in the UL family, premiered at the NAMM show in January of 2012, and represents our latest concepts in sound production.

The design goals for the line are to offer the uncompromised sonic accuracy of the UL2-series with a touch of the warmth of our legendary PS speakers. Further upgrades include a hard-spray finish and American manufacturing. The Epifani design team employed several scientific disciplines in designing the UL3-series products. Working together on the acoustical, mechanical and electrical engineering aspects of the line, we focused on creating a speaker solution where the whole is greater than the sum of the parts. All of the components are carefully selected to meet the strictest design and manufacturing specifications. Lastly, before any Epifani product is made available to the public, Nick Epifani listens and tweaks the design until he's fully satisfied that the sound you hear is the best possible.

While the UL3-series works wonderfully when mixed together with other products, it functions best as an integrated audio system with Epifani amplifiers as the components were designed to interact with one another to ensure the sound that makes Epifani unique in the world of high-performance sound.

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.



the future has been drawn

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: Unplug the apparatus from the wall outlet 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.

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.



Rear Panel

Note: Some UL3 cabinet rear panel connectors may be different from what is shown here. If any questions, call your dealer or Epifani directly.

1. Tweeter Level control – Adjusts the amount of high frequency sound coming from the tweeter.
2. Speaker Input/Output connectors – Connect your amplifier to the speaker cabinet using a Speakon or 1/4" 'phone' or 'TS' terminated cable. These green colored connectors accept either Speakon jack as a normal Speakon connector, or a 1/4" jack inserted at its center.

UL 3 Cabinets Operation

■ Connections

1. Connect the speaker cabinet using either of the Speakon combo connectors on the rear panel. Make sure that you are using a high-quality "unshielded" speaker cable. 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 connection.
2. The two Input/Output connectors are wired in parallel, so you may plug into either connector. Additionally, you may 'daisy chain' either connector to a second speaker cabinet using Speakon or 1/4" jacks. Take note of the rated impedance of each cabinet and be sure to stay within your amplifier's rated specifications.

UL 3 Cabinets Operation

■ 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.



UL 3 Cabinet Tips & troubleshooting

UL3 cabinets are 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 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 two 8-ohm cabinets or a single 4-ohm cabinet. In either event, be sure to wear proper ear protection – the UL3 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.

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.

Lastly, the positioning of your cabinet in the room makes a significant difference on the sound you hear. As you move closer to the rear wall or corners, you will hear more bass, but you might lose some midrange clarity. Each room is different and you may not have the ability to move to the best spot. However, a few inches in either direction can give you the sound you desire.



UL 3 Specifications

UL 3 - 410

CONFIGURATION	4 x 10" 200-watt Epifani ceramic drivers 1" compression tweeter with adjustable control
IMPEDANCE	8-ohms
POWER RATING	800-watts RMS, 1200-watt peak
SPECS	Response 36Hz - 16kHz Sensitivity 102dB (1W@1m)
HARDWARE	2x Speakon + output connectors Lite Ply poplar plywood, with dado joint construction and hard spray finish Steel recessed handles and an 18-gauge steel grill
DIMENSIONS	26.75"h x 23.25"w x 17.875"d
WEIGHT	72 lbs.

UL 3 - 310

CONFIGURATION	3 x 10" 200-watt Epifani ceramic drivers 1" compression tweeter with adjustable control
IMPEDANCE	5.3-ohms
POWER RATING	600-watts RMS, 1000-watt peak
SPECS	Response 40Hz - 16kHz Sensitivity 99dB (1W@1m)
HARDWARE	2x Speakon + output connectors Lite Ply poplar plywood, with dado joint construction and hard spray finish Steel recessed handles and an 18-gauge steel grill
DIMENSIONS	23.25"h x 21.75"w x 17.875"d
WEIGHT	57 lbs.

UL 3 - 210

CONFIGURATION	2 x 10" 200-watt Epifani ceramic drivers 1" compression tweeter with adjustable control
IMPEDANCE	4-ohms
POWER RATING	400-watts RMS, 800-watt peak
SPECS	Response 36Hz - 16kHz Sensitivity 97dB (1W@1m)
HARDWARE	2x Speakon + output connectors Lite Ply poplar plywood, with dado joint construction and hard spray finish Steel recessed handles and an 18-gauge steel grill
DIMENSIONS	18.25"h x 23.25"w x 16.375"d
WEIGHT	46 lbs.



UL 3 Specifications

UL 3 - 112 and 112 D.I.S.T.

CONFIGURATION	1 x 12" 300-watt Epifani ceramic driver DIST version with Dual Voice Coils Technology 1" compression tweeter with adjustable control
IMPEDANCE	8-ohms 8/4 ohm selectable in DIST version
POWER RATING	300-watts RMS, 600-watt peak
SPECS	Response 45Hz - 16kHz Sensitivity 98dB (1W@1m)
HARDWARE	2x Speakon + output connectors Lite Ply poplar plywood, with dado joint construction and hard spray finish Steel recessed handles and an 18-gauge steel grill
DIMENSIONS	16.75"h x 19.25"w x 16.875"d
WEIGHT	36 lbs.



EPIFANI

220 36th Street
Brooklyn, NY 11232
Tel: 718-832-4664
Fax: 718-965-3770
info@epifani.com
www.epifani.com



the future has been drawn

Do not forget to check out our great light weight, powerfull amplifiers

piccolo **600**

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



UL 501

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

