

# **EPIFUNKY** **BY EPIFANI**



**BASS  
LOUDSPEAKERS**

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## Important Safety Information

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with all applicable manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
11. Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a period of time. The U.S. Government's Occupational Safety and Health



Administration (OSHA) has specified the permissible noise level exposures shown in the following chart.

Duration In Hours	SPL in dBA Slow Resp.	
8	90	Duo in small club
6	92	
4	95	Subway Train
3	97	
2	100	Very loud classical music
1.5	102	
1	105	Screaming Fans
0.5	110	
0.25 or less	115	Loudest parts of rock concert

According to OSHA, any exposure in excess of these permissible limits could result in some hearing loss. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels use hearing protectors while the equipment is in operation. Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent permanent hearing loss if exposure is in excess of the limits set forth above.

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## INTRODUCTION

Since 1992 the Epifani design team has been working very closely with many of the world's leading bassists, developing what are regarded as some of today's finest and most rewarding bass amplification systems. We are dedicated to research and development, constantly evolving innovating, and hopefully, inspiring in the process.

All Epifani products are designed to meet the needs of the working & traveling musician. Portability, tone, weight, and size do matter. We focus on real-world needs, and strive to deliver practical products that embody superior form and peerless function. When we design we evaluate every aspect of the project: size, wood type, construction techniques, cabinet tuning, speaker quality, electronic components, weight, versatility etc., but the most important element is the musicality of the finished product. The defining moment for us is when our customers

experience music without thinking or worrying about their gear - they just play.

Epifunky loudspeakers are the result of a three-year engineering endeavor. The drivers, crossover and cabinet have all been designed to achieve not only a cost-effective solution, but exceptional sound. The cabinet is constructed with Dado Joints, Void-free Plywood, heavy Tolex, high-impact metal corners and a rugged 18-gauge steel grill, EpiFunky loudspeakers are visually elegant and sturdy enough for the rigors of the most demanding road-trips.

# SPEAKER CONTROL PANEL



1. **Tweeter Level** – Three-way switch attenuates the output level of the tweeter. Set to HI for maximum volume, NORM for moderate volume or OFF to disable the tweeter.
2. **Speaker Input/Output** – ¼” TS Phone jacks wired in parallel. Use only unshielded 16-gauge or lower speaker cable to connect your amplifier’s speaker output to either jack. Use the other jack to daisy-chain an additional cabinet. **Take care not to exceed the minimum impedance of the amplifier.**

## STUFF YOU SHOULD KNOW

**Tao of Impedance, Ohmmm ( $\Omega$  = Ohms) –** When connecting speaker cabinets to an amplifier, it is important not to exceed the minimum impedance for which the amplifier is rated. The PS400 bass head has a minimum impedance rating of  $4\Omega$ . If the impedance of all speaker cabinets connected to the amplifier is less than  $4\Omega$ , it will cause the amplifier to overheat. When combining speaker cabinets, use the following chart to determine the impedance of the combined cabinets.

$$8\Omega + 8\Omega = 4\Omega$$

$$8\Omega + 8\Omega + 8\Omega = 2.67\Omega$$

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$$4\Omega + 4\Omega = 2\Omega$$

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**Speaker Cables, Resistance Is Futile** – For best results use speaker cables that are 16-gauge or lower. For cable lengths longer than 25 feet, use 14-gauge or 12-gauge cable. A

lower number means the cable is thicker and produces less resistance which means better low-frequency transmission to the cabinets.

**Don't Phase Me Bro!** – When using multiple cabinets, be sure they are all in 'phase'. If you connect two cabinets to your amplifier and notice a lack of bass response, most likely one of the cabinets is out of phase. This means its speakers are moving the opposite direction of the other speakers causing the sound waves from each cabinet to 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. If all speakers move forward they are in phase. If any of the speakers move backwards, they are out of phase, The problem can be easily corrected by a speaker technician.

# SPECIFICATIONS

## **EpiFunky 410**

CONFIGURATION	4 x 10" 125-watt Epifani ceramic drivers 1" compression tweeter with three-way switch
IMPEDANCE	4 $\Omega$
OPTIMUM POWER RATING	500-watts RMS
FREQUENCY RESPONSE	39Hz - 16kHz
SENSITIVITY	102dB (1W@1m)
HARDWARE	2x 1/4" output connectors Dado-joint construction, Void-Free Poplar Plywood Elephant Skin Tolex with high-impact metal corners Steel recessed handles and an 18-gauge steel grill
DIMENSIONS	26.5"h x 23"w x 18"d
WEIGHT	59 lbs.

## **EpiFunky 210**

CONFIGURATION	2 x 10" 125-watt Epifani ceramic drivers 1" compression tweeter with three-way switch
IMPEDANCE	8 $\Omega$
OPTIMUM POWER RATING	250-watts RMS
FREQUENCY RESPONSE	40Hz - 16kHz
SENSITIVITY	99dB (1W@1m)
HARDWARE	2x 1/4" output connectors Dado-joint construction, Void-Free Poplar Plywood Elephant Skin Tolex with high-impact metal corners Steel recessed handles and an 18-gauge steel grill
DIMENSIONS	18.5"h x 23"w x 18"d
WEIGHT	38.5 lbs.

## **EpiFunky 115**

CONFIGURATION	1 x 15" 250-watt Epifani ceramic drivers 1" compression tweeter with three-way switch
IMPEDANCE	8 $\Omega$
OPTIMUM POWER RATING	250-watts RMS
FREQUENCY RESPONSE	38Hz - 16kHz
SENSITIVITY	97dB (1W@1m)
HARDWARE	2x 1/4" output connectors Dado-joint construction, Void-Free Poplar Plywood Elephant Skin Tolex with high-impact metal corners Steel recessed handles and an 18-gauge steel grill
DIMENSIONS	21.5"h x 23"w x 18"d
WEIGHT	41.5 lbs.