



DBF50 USER MANUAL

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INTRODUCTION

The DIGBETH Foundry series builds on our rich bass heritage, offering a range of bass combos designed for beginners and semi-professionals alike.

With a vintage aesthetic inspired by the classic tones of the 60s and 70s, paired with ultra-modern functionality and British engineering, these combos redefine affordability without compromising on performance.

The DIGBETH Foundry series is destined to become the new standard in affordable bass amps.

We care about music and musicians. The Digbeth Foundry amps are designed by experts, not committees. Our amps are made to play.

The Laney DIGBETH Foundry series combines heritage, innovation, and affordability into one unbeatable package. Whether you're just starting out or looking for reliable gigging gear, these amps offer everything you need to make your mark in music. Now everyone can experience the new standard in bass amplification.

The DIGBETH Foundry series amplifies your creativity with features that cater to all playing styles. From clean tones to gritty overdrive, these amps give you the tools to shape your unique sound. Join the growing community of DIGBETH artists who are setting new standards in music.

Each DIGBETH Foundry combo is equipped with custom-designed HH Audio Blue Series drivers. These professional-grade woofers are engineered specifically for this range to deliver clean, modern bass tones that are bright and punchy. Unlike competitors who rely on stock drivers, Laney partnered with its sister brand HH Audio to ensure every note resonates with clarity and power.

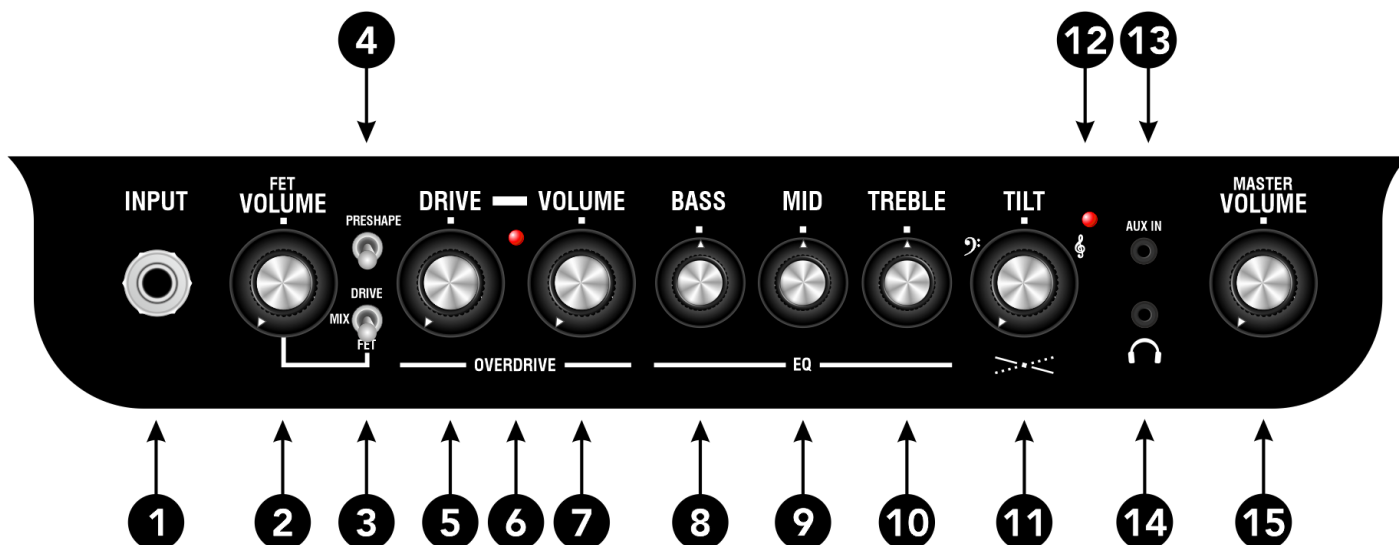
The DBF50 offers enhanced versatility with two footswitchable channels (FET and Tube-style) for ultimate tonal control. Whether you're performing live or recording in the studio, the DBF50 delivers modern performance with vintage charm.

FEATURES

- 50 Watts RMS Power Output: Delivers sufficient volume for practice sessions and small performances or home recording.
- 10" HH Designed Professional Loudspeaker: Provides clear and punchy bass tones.
- Two Channels. Fet and Drive, with mix options for gritty drive whilst maintaining clarity.
- Preshape Switch, provides a mid-frequency cut for a scooped sound whilst pushing the tops and lows.
- Compact and Lightweight Design. Weighing 10.9Kg (24lbs) and featuring a ported enclosure with a removable grille, it's easy to transport and suitable for limited spaces.
- Top-Mount Control Panel. Equipped with user-friendly control knobs for easy access and adjustments.
- FX Loop for added flexibility.
- D.I Output (Pre) for easy recording.
- Includes a 3.5mm auxiliary input for connecting external audio devices and a 3.5mm headphone output for silent practice sessions.
- These features make the DBF50 a versatile and user-friendly amplifier for bassists at all levels.

CONTROLS

TOP PANEL



1. INPUT

A mono 6.35mm jack socket with a 1MΩ input impedance for connecting an active or passive bass guitar. For best performance, use a good quality instrument cable.

2. FET VOLUME

Controls the level of the FET Channel. This channel offers a clean, fast response which is articulate and punchy in the low end.

3. CHANNEL SELECT SWITCH

Changes the selected channel between FET, DRIVE or a MIX of FET and DRIVE channels. This can also be switched remotely.

4. PRESHAPE



PRESHAPE active - scooping the mids and pushing the top and bottom frequency content.



PRESHAPE disabled.

5. DRIVE

Sets the amount of pre-gain to the DRIVE channel. At low settings the DRIVE channel will have subtle amount of overdrive adding a characteristic warm sound. At higher settings the preamp into the DRIVE channel is pushed harder, giving you more growl and distortion.

6. CHANNEL INDICATOR

The led to the right of the DRIVE control indicates the current active channel. It's green for FET and RED for MIX and DRIVE.

7. VOLUME

Controls the post-gain level of the DRIVE channel. Use it in conjunction with the DRIVE control to get the perfect overdrive tone at the desired volume.

8. BASS

Increasing this control adds more low frequencies to the sound, great for increasing the sub.

Decreasing this control cuts back low frequencies, useful to help reign in low end feedback or clean up a muddy sound.

9. MID

Increasing the control boosts the MID band, helping the bass guitar cut through a busy mix while decreasing the control creates a scoop and a modern tone.

10. TREBLE

Boost the higher frequencies giving more top end clarity to the sound. Decrease the control to remove higher frequencies, good for a subby mellow sound.

11. TILT

Works like an overall balance control of the tone. Turning toward the treble clef will decrease lower frequencies and boost higher frequencies. Turning towards the bass clef does the opposite. This control is perfect for fine tuning your overall tone and making sure your tone works in any situation.

12. POWER INDICATOR

A red led which will illuminate when the amplifier is connected to mains power and the POWER switch is set to ON.

13. AUX

A 3.5mm jack for connecting an external sound source. Useful for jamming along with audio tracks.

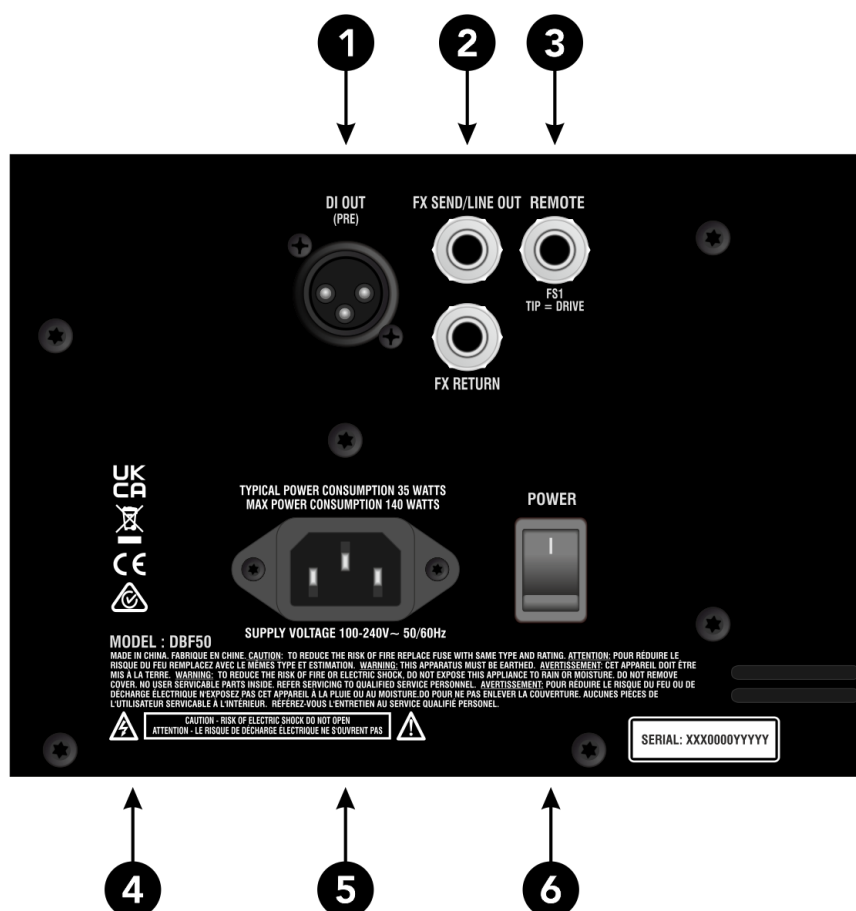
14. PHONES

A 3.5mm jack for monitoring or silent practice.

15. MASTER VOLUME

Allows for the quick adjustment of the overall output level whilst maintaining the tone and colouration achieved in the input and EQ stage.

REAR PANEL



1. DI OUT

A balanced XLR output feed for connecting to an external device. Example of this include house PA, a recording setup or stage monitor system.

THE DI signal is essentially a buffered version of the guitar input signal so is PRE-VOLUME/DRIVE and EQ.

2. FX LOOP - SEND/RETURN

These sockets are used for connecting an external effects device to your amplifier. Use the send jack to connect to the input of your external device and the return jack to connect the output of the external device to your amplifier.

3. REMOTE

A 6.35mm jack socket provides remote access to the CHANNEL SWITCH function (3) located on the front panel. The footswitch function depends on the position of the channel selection switch. A LANEY FS1-mini footswitch remote is recommended (not included).



UP: DRIVE -> FET
CHANNEL indicator led - RED.



MIDDLE: MIX > DRIVE
CHANNEL indicator led - RED.



DOWN: FET > DRIVE
CHANNEL indicator led - GREEN.

4. SAFETY INFORMATION

Important information, and the amplifier serial number.

Ensure the ventilation slots aren't covered.

5. POWER

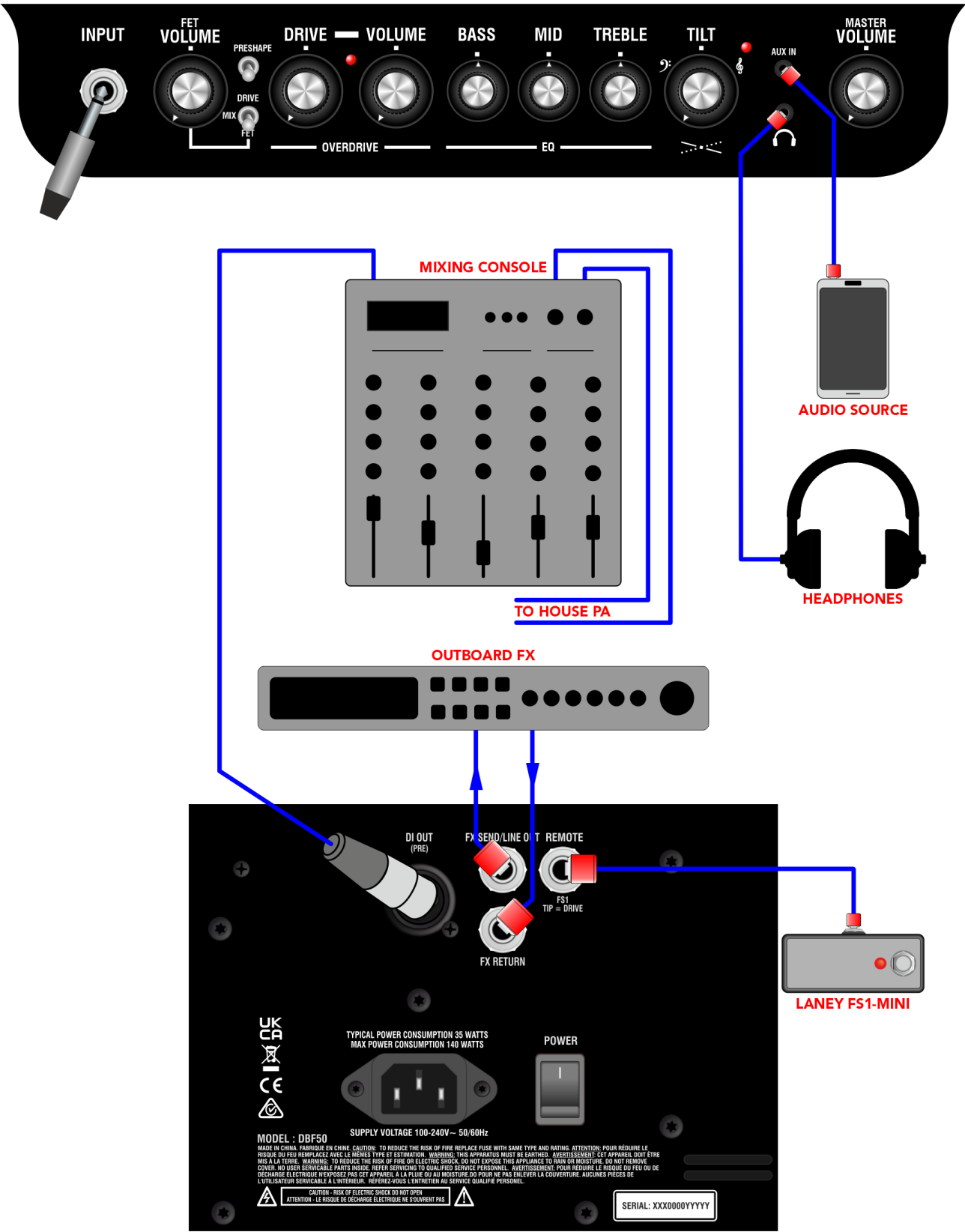
A universal power input provided via an IEC C14 socket. An AC supply from 110V-240V is acceptable and voltage selection or adjustment is not required. Use the mains cable provided.

6. POWER SWITCH

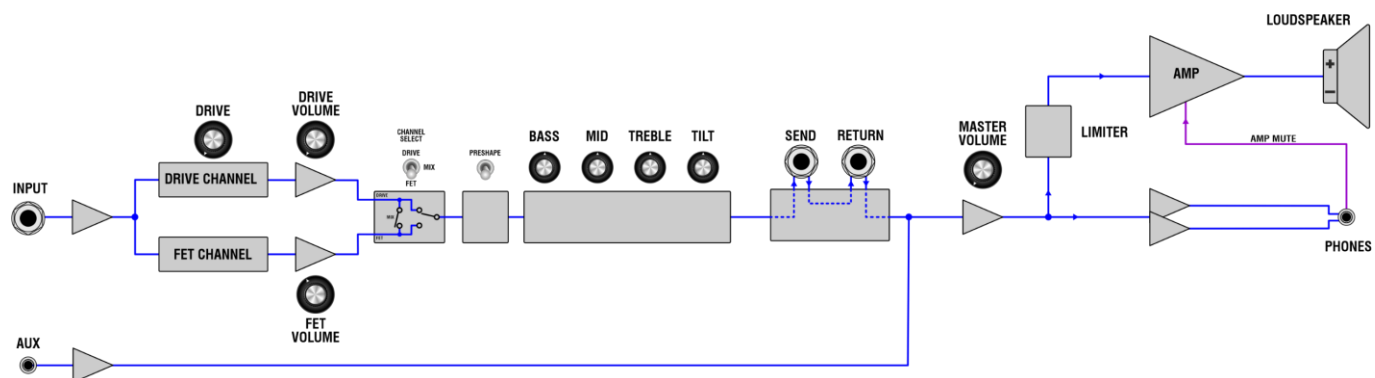
The onboard switch provides power isolation to the incoming mains power.

Set the switch to OFF when the DBF50 is not in use.

CONNECTIONS



BLOCK DIAGRAM

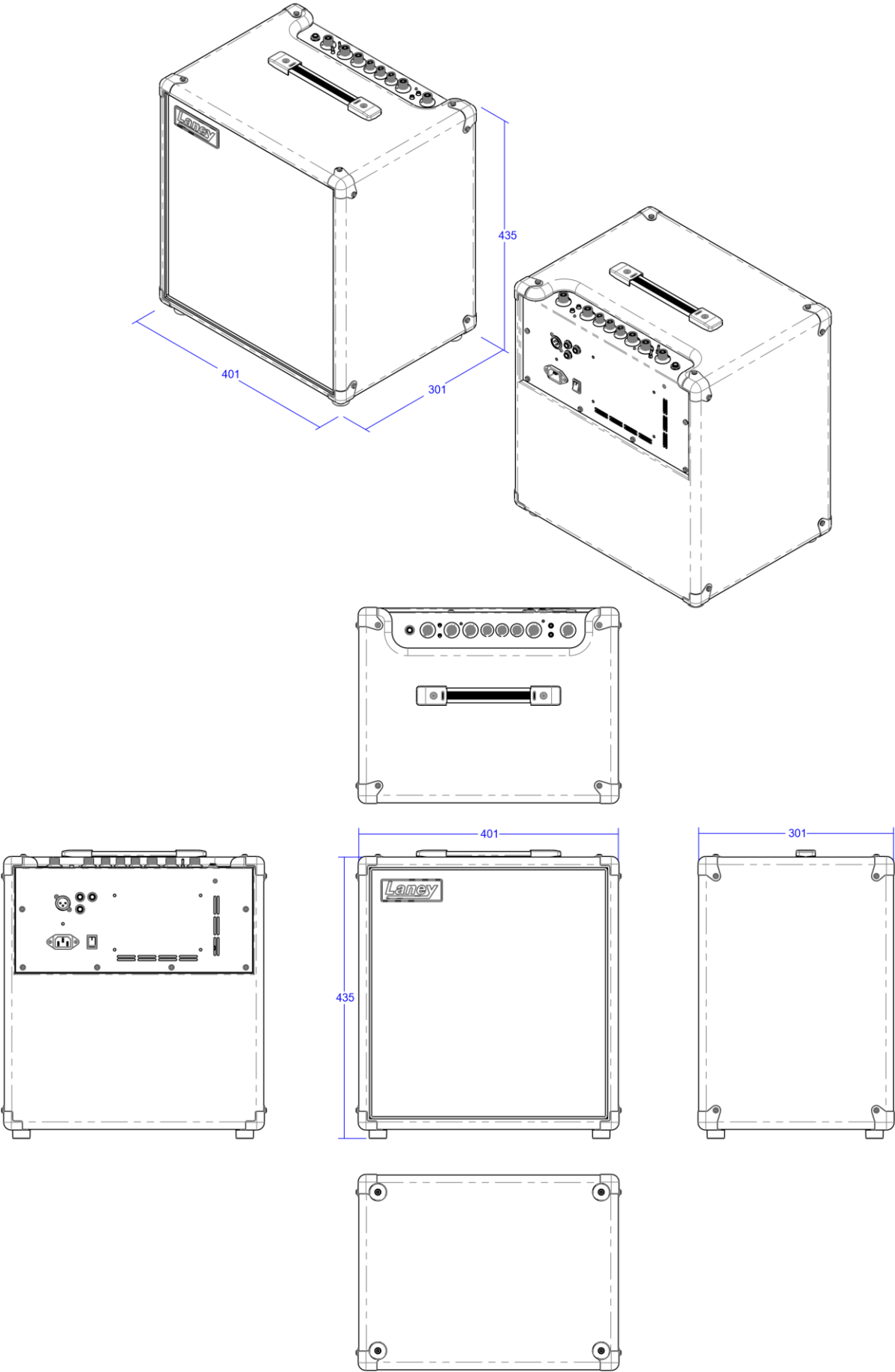


SPECIFICATIONS

Model No	DBF50
Name	Digbeth Foundry DBF50
Type	Bass Amplifier Combo, Bass reflex design
Frequency response (-10)	55Hz > 18kHz
Max SPL (1M)	114 dB SPL (Continuous), 117 dB SPL (Peak)
Power Rating	100W Continuous, 50W RMS
Amplifier Type	Class D, with fully passive convection cooling for silent operation
Channels	Two Channels, Fet and Tube with mix option. Footswitchable with optional FS1-Mini footswitch
Input	6.3mm (1/4") Jack Socket Instrument Input, 3.5mm Stereo Aux in. 6.3mm (1/4") Jack Socket FX Return.
Input Impedance	1M Ω
Outputs	3.5mm Stereo Headphone Jack. 6.3mm (1/4") Jack Socket FX Send (Doubles as line out) Balanced Male XLR D.I. Output (Pre EQ)
Controls	Fet Volume, Preshape Switch, Drive Switch with Fet, Drive and Channel Mix Options, Drive, Drive Volume, Bass, Middle, Treble, Tilt Control, Master Volume
EQ	Preshape, Bass (± 12 dB), Middle (± 12 dB), Treble (± 12 dB), Tilt Control
Indicators	Power LED
Remote	6.3mm (1/4") Jack Socket to be used with optional FS1-Mini Footswitch (Not Included) for channel switching
Woofer	10" HH Blue 101550-4 Professional Woofer
Enclosure	Precision-crafted 15mm Plywood cabinet for optimal strength, reduced weight, and a resonant, natural tonal character.
Handles	Top mounted steel reinforced strap handle for comfortable and easy transportation
Finish	Hard wearing black vinyl, Steel Corners for enhanced protection
Power Supply	Internal universal 100-240V~ 50/60Hz, Switched mode power supply. IEC C14 inlet connector
Power Consumption	Typical Power Consumption 35W Nominal, Max Power Consumption 140 Watts
Unit dimensions (HWD)	435 x 401 x 301mm, (17.1" x 15.8" x 11.9")
Unit weight	10.9Kg, (24 lbs)
Carton dimensions (HWD)	490 x 460 x 365mm, (19.3" x 18.1" x 14.4"), 0.082 M3
Packed Weight	12.9Kg, (28.4 lbs)
EAN Code (Single)	5060109459654

In the interest of continued development, Laney reserves the right to amend product specification without prior notification.

DIMENSIONS (in mm)









SAFETY AND WARNINGS

To take full advantage of your new product and enjoy long and trouble-free performance, please read this owner's manual carefully, and keep it in a safe place for future reference.

MANUFACTURER: LANEY AMPLIFICATION. STEELPARK ROAD,
COOMBS WOOD BUSINESS PARK WEST, HALESOWEN, B62 8HD, UK

- 1) **Unpacking:** On unpacking your product, please check carefully for any signs of damage that may have occurred whilst in transit from the Laney factory to your dealer. In the unlikely event that there has been damage, please re-pack your unit in its original carton and consult your dealer. We strongly advise you to keep your original transit carton, since in the unlikely event that your unit should develop a fault, you will be able to return it to your dealer for rectification securely packed.
- 2) **Amplifier Connection:** To avoid damage, generally it is advisable to establish and follow a pattern for turning on and off your system. With all system parts connected, turn on source equipment, mixers, effects processors etc, BEFORE turning on your amplifier. Many products have large transient surges at turn on and off which can cause damage to your speakers. By turning on your amplifier LAST and making sure its level control is set to a minimum, any transients from other equipment should not reach your loudspeakers. Wait till all system parts have stabilised, usually a couple of seconds. Similarly, when turning off your system always turn down the level controls on your amplifier and then turn off its power before turning off other equipment.
- 3) **Cables:** Never use shielded or microphone cable for any speaker connections as this will not be substantial enough to handle the amplifier load and could cause damage to your complete system. Use good quality shielded cables everywhere else.
- 4) **Servicing:** The user should not attempt to service these products. Refer all servicing to qualified service personnel.
- 5) Heed all warnings.
- 6) Follow all instructions.
- 7) Do not use this apparatus near water.
- 8) Clean only with a dry cloth.
- 9) Do not block any of the ventilation openings. Install in accordance with manufacturer's instructions.
- 10) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 11) An apparatus with Class I construction shall be connected to a mains socket outlet with a protective connection. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 12) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point they exit from the apparatus.
- 13) Only use attachments/accessories provided by the manufacturer.
- 14) Use only with a 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.
- 15) The mains plug or appliance coupler is used as the disconnect device and shall remain readily operable. The user should allow easy access to any mains plug, mains coupler and mains switch used in conjunction with this unit thus making it readily operable. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 16) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 17) Never break off the ground pin. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
- 18) If this product is to be mounted in an equipment rack, rear support should be provided.
- 19) Note for UK only: If the colours of the wires in the mains lead of this unit do not correspond with the terminals in your plug, proceed as follows:
 - o The wire that is coloured green and yellow must be connected to the terminal that is marked by the letter E, the earth symbol, coloured green or coloured green and yellow.
 - o The wire that is coloured blue must be connected to the terminal that is marked with the letter N or the colour black.
 - o The wire that is coloured brown must be connected to the terminal that is marked with the letter L or the colour red.
- 20) This electrical apparatus should not be exposed to dripping or splashing and care should be taken not to place objects containing liquids, such as vases, upon the apparatus.
- 21) Exposure to extremely high noise levels may cause a 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 sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures: According to OSHA, any exposure more than the above permissible limits could result in some hearing loss. Earplugs or protectors to the ear canals or over the ears must be worn when operating this amplification system to prevent a permanent hearing loss, if exposure is more than the limits as set forth above. 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 such as this amplification system be protected by hearing protectors while this unit is in operation. In the EU, exposure is regulated under Directive 2003/10/EC. Prolonged exposure above 85 dB(A) can cause hearing damage. Hearing protection must be used when operating equipment capable of producing high sound pressure levels.
- 22) If your appliance features a tilting mechanism or a kickback style cabinet, please use this design feature with caution. Due to the ease with which the amplifier can be moved between straight and tilted back positions, only use the amplifier on a level, stable surface. DO NOT operate the amplifier on a desk, table, shelf or otherwise unsuitable non-stable platform.
- 23) Symbols & nomenclature used on the product and in the product manuals, intended to alert the operator to areas where extra caution may be necessary, are as follows:

Duration Per Day in Hours	Sound Level dBA, slow response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 ou inférieur	115

 <p>CAUTION:</p>	<p>Intended to alert the user to the presence of uninsulated 'Dangerous Voltage' within the products enclosure that may be sufficient to constitute a risk of electrical shock to persons.</p> <p>Ce symbole est utilisé pour indiquer à l'utilisateur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.</p> <p>Este símbolo tiene el propósito de alertar al usuario de la presencia de '(voltaje) peligroso' que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.</p> <p>Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.</p>
 <p>WARNING:</p>	<p>Intended to alert the user of the presence of important operating and maintenance (Servicing) instructions in the literature accompanying the product.</p> <p>Destiné à alerter l'utilisateur de la présence d'instructions importantes d'exploitation et de maintenance (entretien) dans la documentation accompagnant le produit.</p> <p>Este símbolo tiene el propósito de la alertar al usuario de las presencias de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto.</p> <p>Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.</p>
<p>CAUTION:</p> <p>ATTENTION :</p> <p>PRECAUCION:</p> <p>VORSICHT:</p>	<p>Risk of electrical shock - DO NOT OPEN. To reduce the risk of electrical shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified personnel.</p> <p>Risques de choc électrique - NE PAS OUVIRIR. Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien à un personnel qualifié.</p> <p>Riesgo de descarga eléctrica - NO ABRIR. Para reducir el riesgo de descarga eléctrica, no quite la cubierta. No hay piezas reparables por el usuario en el interior. Remita el servicio a personal calificado.</p> <p>Risiko - Elektrischer Schlag! Nicht offen! Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vor Anwender repariert werden konnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.</p>
<p>WARNING:</p> <p>ADVERTISSEMENT :</p> <p>ADVERTENCIA:</p> <p>ACHTUNG:</p>	<p>To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, please read the operating instructions for further warnings.</p> <p>Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplantais situés dans le guide.</p> <p>Para evitar descargas eléctricas o peligro de incendio, no exponga este aparato a la lluvia ni a la humedad. Antes de usar este aparato, lea las instrucciones de funcionamiento para conocer más advertencias.</p> <p>Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.</p>
	<p>This device complies with Part 15 of the FCC rules Operation is subject to the following two conditions:</p> <ol style="list-style-type: none"> 1) This device may not cause harmful interference. 2) This device must accept any interference received, that may cause undesired operation. <p>Warning: Changes or modification to the equipment not approved by Laney can void the user's authority to use the equipment.</p> <p>Note: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures. Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.</p>
	<p>This product conforms to the requirements of the following European Regulations, Directives & Rules: CE Mark (93/68/EEC), Low Voltage (2014/35/EU), EMC (2014/30/EU), RoHS (2011/65/EU), ErP (2009/125/EU)</p> <p>SIMPLIFIED EU DECLARATION OF CONFORMITY</p> <p>Full text of the EU declaration of conformity is available at the following internet address:</p> <p>http://support.laney.co.uk/approvals</p>
	<p>The object of the declaration described above is in conformity with the relevant statutory requirement Electrical Equipment (Safety) Regulations 2016, Electromagnetic Compatibility Regulations 2016, The Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, The Ecodesign for Energy-Related Products and Energy Information, (Amendment) (EU Exit) Regulations 2012</p>
	<p>In order to reduce environmental damage, at the end of its useful life, this product must not be disposed of along with normal household waste to landfill sites. It must be taken to an approved recycling centre according to the recommendations of the WEEE (Waste Electrical and Electronic Equipment) directive applicable in your country.</p>



LANEY AMPLIFICATION.
STEELPARK ROAD, COOMBSWOOD BUSINESS PARK WEST, HALESOWEN, B62 8HD. UK
FOR THE LATEST INFORMATION PLEASE VISIT WWW.LANEY.CO.UK

IN THE INTEREST OF CONTINUED DEVELOPMENT, LANEY RESERVES THE RIGHT TO AMEND PRODUCT SPECIFICATION WITHOUT PRIOR NOTIFICATION.