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Blackstar[®]

AMPLIFICATION



FLY 3, FLY 103, FLY 3 Bluetooth


Owner's Manual

Blackstar Amplification Ltd, Beckett House, 14 Billing Road, Northampton, NN1 5AW, UK

For the latest information go to: www.blackstaramps.com

Whilst the information contained herein is correct at the time of publication, due to our policy of constant improvement and development, Blackstar Amplification Ltd reserves the right to alter specifications without prior notice.

the sound in your head

Designed and Engineered by
Blackstar Amplification UK 

IMPORTANT SAFETY INSTRUCTIONS

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 dry cloth.
7. Install in accordance with the 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. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as 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.

“TO COMPLETELY DISCONNECT THIS APPARATUS FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC RECEPTACLE”.

“WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL NOT BE PLACED ON APPARATUS”.
This apparatus is for professional use only!

Warning!

Important safety information!

READ THE FOLLOWING INFORMATION CAREFULLY. SAVE ALL INSTRUCTIONS FOR FUTURE REFERENCE!

Follow all warnings and instructions marked on the product!

Do not open the equipment case. There are no user serviceable parts in this equipment. Refer all servicing to qualified service personnel.

Clean only with a dry cloth.

Condensation can form on the inside of an amplifier if it is moved from a cold environment to a warmer location. Before switching the unit on, it is recommended that the unit be allowed to reach room temperature.

Unauthorised modification of this equipment is expressly forbidden by Blackstar Amplification Ltd.

Never push objects of any kind into ventilation slots on the equipment casing.

Do not expose this apparatus to rain, liquids or moisture of any type.

Do not place this product on an unstable trolley, stand or table. The product may fall, causing serious damage to the product or to persons!

This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.

Use only the supplied power cord which is compatible with the mains voltage supply in your area.

Power supply cords should always be handled carefully and should be replaced if damaged in any way.

Never break off the earth (ground) pin on the power supply cord.

The PSU-1 power supply cord should be unplugged when the unit is to be unused for long periods of time.

An apparatus with Class 1 construction should be connected to a mains socket outlet with a protective earthing connection.

The mains plug of the power supply cord should remain readily accessible.

A warning that batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Attention should be drawn to the environmental aspects of battery disposal.

Only use the approved Blackstar PSU-1 AC/DC power supply.

High headphone levels can cause permanent hearing damage. You should therefore avoid the direct vicinity of loudspeakers operating at high levels. Wear hearing protection if continuously exposed to high levels.

If the product does not operate normally when the operating instructions are followed, then refer the product to a qualified service engineer.

The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss.



All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.



Introduction

Thank you for purchasing this Blackstar FLY Series amplifier.

The FLY 3 is an innovative mini amp which packs all the great tones of Blackstar products into one compact, portable amplifier – perfect for practice when on the go; the FLY 3 also includes the Blackstar-exclusive ISF circuit, which gives you infinite possibilities for changing the tone of your amp. You can either plug in your phone, MP3 player, laptop or tablet into the FLY 3 and jam along to your favourite songs, or go “cable free” with the FLY 3 Bluetooth.

The FLY 103 is a mini cabinet which, when connected to the FLY 3, creates a stereo sound for your guitar playing and music; a perfect combination for creating big sound and great tone whilst jamming, it also gives great output when used with other devices via the MP3 / LINE IN socket.

Like all Blackstar products, the FLY 3/FLY 103 is the result of countless hours of painstaking research and development by our world-class design team; based in Northampton (UK), the Blackstar team are all experienced musicians themselves, and the sole aim of the development process when creating our products is to provide guitarists with ultimate tools for self-expression.

All Blackstar products are subjected to extensive laboratory and road testing to ensure that they are truly uncompromising in terms of quality, reliability and above all – TONE!

If you like what you hear and want to find out more about the Blackstar range of products, please visit our website at www.blackstaramps.com.

Thanks!

The Blackstar Team

Features

The FLY 3 is a compact mini amp with big TONE. Combining two channels, our patented Infinite Shape Feature (ISF) and a tape delay it's the perfect take-anywhere amp.

The patented ISF circuit gives you unlimited adjustment over the characteristics of your tone and takes you from the USA to the UK and anywhere in-between.

The MP3 / Line In jack allows you to connect your FLY 3 to a music device and jam along to your favourite tunes and the FLY 3 Bluetooth makes connecting to an external device even easier.

All the FLY 3 Mini amps make a great speaker for your phone, tablet or PC / laptop.

A fully specified speaker emulated output allows you to get great tone to tape or disk, or through headphones.

Capable of being powered by batteries, you can take your FLY 3 with you wherever you go and always get 'the sound in your head'!

Front Panel

1. Input

Plug your guitar in here. Always use a good quality screened guitar lead.

2. Gain

This control adjusts the amount of overdrive or distortion.

When the Clean Channel is selected, low settings counter clockwise (CCW), will deliver a clean sound. As the Gain control is increased clockwise (CW) the sound will move from clean into break-up, until at its maximum position, a full crunch tone is arrived at.

When the Overdrive Channel is selected, the Gain control adjusts the amount of overdrive or distortion. Low settings, counter clockwise, will deliver a clean sound on the edge of break-up. As the Gain control is increased CW the sound will become more overdriven moving through crunch tones until, at its maximum position, a full distorted lead tone is arrived at.

3. OD (Overdrive)

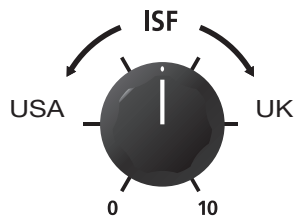
Press this switch to select the Overdrive Channel. When the switch is in the Overdrive Channel is selected. When the switch is out the Clean Channel is in operation.

4. Volume

This controls the volume of the Clean and Overdrive Channels. Turning it clockwise increases the volume.

5. ISF (Infinite Shape Feature)

The patented ISF control allows you to choose the exact tonal signature you prefer. Fully CCW has a more American characteristic with a tight bottom end and more aggressive middle, and fully CW has a British characteristic which is more 'woody' and less aggressive.



6. DELAY LEVEL

Toggle the DL LEVEL knob to change the time that the Delay Time (mentioned below) lasts – the higher the DL LEVEL setting, the longer the overall delay effect will last.

7. DELAY TIME

Toggle this knob to change the amount of time for the DELAY TIME effect – turn the switch clockwise to increase the delay, and counter-clockwise to decrease the delay.

8. MP3 / Line In

Connect the output of your MP3 or CD player here. Adjust the player's volume to match that of your guitar to enable you to play along.

Note: the connection is stereo.

9. Speaker Emulated Output & Headphones

This output emulates the tonal characteristics of a guitar speaker cabinet and provides a natural valve overdrive tone for connection to a recording device or mixing desk, and for use with headphones. To make full use of the stereo reverb, use a stereo jack to two mono jacks splitter lead to feed two channels of the recording device or mixer (see diagram below). The output will also function into a mono guitar type lead. Always use a good quality screened lead.

Note: when a lead is connected here the combo's internal speaker is disconnected.

10. Power

This switch is used to turn the FLY 3 on and off; when using batteries, the FLY 3's power light will dim as the power in the batteries runs out.

11. Power Indicator Light

The power indicator will light when the amplifier is switched on.

12. Bluetooth (FLY 3 Bluetooth ONLY)

Your FLY 3 Bluetooth amplifier is equipped with Bluetooth connectivity for wirelessly streaming your favourite music and backing tracks. Press this switch to pair a Bluetooth device to your FLY 3 Bluetooth amplifier and toggle between the modes of operation (see below).

Discoverable Mode (slow LED flash)

To connect a Bluetooth device to your FLY 3 Bluetooth amplifier for the first time you must make a 'pairing' between the two devices. To pair, simply press and hold the Bluetooth switch on your FLY 3 Bluetooth amplifier until the Bluetooth LED displays a slow flash. In this state other Bluetooth devices are able to 'see' your FLY 3 Bluetooth amplifier (hence the term 'Discoverable') and can make a request to pair.

Whilst the Bluetooth LED is flashing slowly, go to the Bluetooth Settings page of your Bluetooth device and look for your FLY 3 Bluetooth amplifier in the list of available devices. Your amplifier will be identified as 'FLY 3 BT'. When 'FLY 3 BT' appears, simply select this device and wait a few moments for the pairing to be made. You will hear an audible tone from the amplifier to indicate that a device has been successfully connected.

If a pairing has not been made within the Discoverable Mode timeout window, the Bluetooth connectivity will switch off and will wait for user input in order to attempt a new pairing. Simply press and hold the Bluetooth switch again to enter Discoverable Mode and restart the pairing process.

Pressing the Bluetooth switch while in Discoverable Mode will put your FLY 3 Bluetooth amplifier into Scanning Mode.

Scanning Mode (fast LED flash)

Scanning Mode is used to reconnect any previously paired Bluetooth devices to your FLY 3 Bluetooth if they have travelled out of range or have been disconnected.

Ensure your previously paired Bluetooth device has Bluetooth connectivity switched on. Press the Bluetooth switch once to put the FLY 3 Bluetooth into Scanning Mode;

your amplifier will 'scan' for previously paired devices within range and attempt to reconnect, starting with the device that was most recently connected. You will hear an audible tone from the amplifier to indicate that a device has been successfully reconnected.

If you have previously paired any Bluetooth Devices to your FLY 3 Bluetooth amplifier it will power on in Scanning Mode. If your Bluetooth device is within range and has Bluetooth connectivity switched on, your amplifier will automatically reconnect to your device, allowing you to start streaming your music straight away.

Pressing the Bluetooth switch from Scanning Mode will set your amplifier to Discoverable Mode in order to begin pairing a new device.

At any time, you may disconnect your Bluetooth device from your amplifier by either pressing and holding the Bluetooth switch on the amplifier front panel for 3 seconds or switching off the Bluetooth functionality of your device. You will hear an audible tone from the amplifier to indicate that a device has been disconnected.

13. Bluetooth LED

The Bluetooth LED indicates which mode the Bluetooth is in (Discoverable/ Scanning). When the Bluetooth LED is unlit the Bluetooth connectivity is not active.

Rear Panel

1. DC Input (PSU-1)

Connect external Power supply here

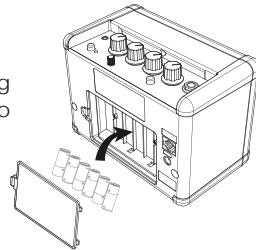
ONLY USE A BLACKSTAR APPROVED POWER SUPPLY (PSU-1)

6.5V 1.5A min.

2. Battery Compartment

Insert batteries here for portable use. We recommend using rechargeable (NiMH) or Alkaline batteries in your FLY 3 to get the most out of using it on the go.

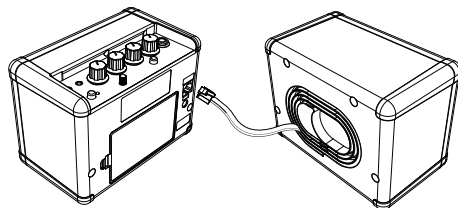
6 x AA batteries (rechargeable).



3. Extension Cabinet (FLY103)

Connect your FLY 3 to a FLY 103 using the FLY 103's built-in cable to create a 6W stereo set-up.

(Extension cabinet sold separately)



警告！

重要安全信息！

请仔细阅读以下信息。妥善保管所有的说明指示以方便日后查阅！

请遵守产品上标注的所有警告和安全指示。

请注意危险！本设备内部操作电压很高。

切勿打开设备盖。在本设备中没有用户可维修零件。请将所有维修活动交给专业的维修人员。

请只使用干布清洁。

如果从冷环境移动至暖环境，音箱内部可能产生冷凝。在开启设备前，建议设备升高至室温。

未经Blackstar Amplification Ltd.授权，禁止改装本设备。

切勿让任何物体堵住设备表面的通风口。

切勿将本设备暴露在雨中、液体或潮湿环境中。

切勿将本产品放置在不稳定的推车、支架或桌子上。否则产品可能掉落，使产品或人员受到损害！

只使用与您地区匹配的主电压符合的电源线。

请谨慎操作电源线，如被损坏请及时更换。

切勿切断电源线的接地端。

设备长时间不使用时请拔掉电源线。

在开启设备电源前，请读手册的说明使用厂家推荐的导线连接扬声器。

请及时更换损坏的保险丝，并保证正确的功率和类型。

切勿断开带有保护电路的连接线。

扬声器音量过高可能导致永久性听力损失。因此您应该避免在高音量扬声器附近作业。如果持续在高音量下工作，请带上听力保护装备。

参照操作说明操作时如果产品不能正常操作，然后请将产品交给合格的维修人员。

设备不得遭受水淹或水浸，不得在设备上放置诸如花瓶一类的装满液体的物品。

电池（电池包或者组合电池）不得暴露在诸如日照、火烤或类似过热环境中。

本设备仅适用于海拔2000m以下地区安全使用。

本设备仅适用于非热带气候条件下安全使用。

美国政府职业健康与安全管理局（OSHA）规定了以下的噪音值限制：

每日持续时间以小时为单位	声级分贝、A声级限值
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

根据OSHA，超过以上限制值都会导致一定的听力损失。操作本功放系统时必须佩戴护耳器防止损坏听力，如果暴露在过高的音量环境中。要确保完全不暴露在高声压环境中，建议在操作本设备时所有人员都佩戴听力保护器。



所有电器和电子产品应该单独处理，通过政府或相关机构指定的专用收集途径进行处理。



简介

感谢您购买Blackstar FLY系列音箱。

FLY 3是创新的迷你放大器，小巧的箱体搭载了Blackstar产品的所有绝佳音色，完美适用于外出携带；FLY 3还包含了Blackstar特有的ISF电路，为您的音箱音色提供无限可能。您可以插上耳机、MP3播放器、手提电脑、平板电脑等，与您喜爱的乐曲一起演奏。

FLY 103是一个迷你箱体，与FLY 3连接时，可以为您的吉他演奏和音乐呈现完美的立体声音色；在即兴时也可以产生足够大音量的美妙音色。通过MP3/LINE IN插孔与其它设备连接使用时还可以用作输出。

与Blackstar的所有产品一样，FLY 3/FLY 103是由我们研究和开发部的世界顶尖设计小组夜以继日倾注大量心血钻研出的成果。Blackstar成立于北安普敦(英国)，由经验丰富的音乐家组成，专注于为吉他手提供具有终极表现力的产品。

所有Blackstar的产品都经过了大量的实验和测试，确保所有音色都具有无可挑剔的高品质。

如果您喜欢本产品的声音，并想要寻找更多关于Blackstar系列产品的信息，请访问我们的网站www.blackstaramp.com。

感谢！

Blackstar小组

功能简介

FLY 3是一款小体积大音量的创新型迷你放大器。它拥有双通道和专利的无限音色塑形功能 (ISF) 以及磁带延迟，是您的随身利器。

专利的ISF电路为您提供了无限的音色调节可能，可以在美式和英式之间随心所欲的转换。

您的FLY3可以通过MP3/线路输入插孔与音乐设备连接，与您喜爱的乐曲一起即兴演奏；它还是您的手机、平板电脑或PC/手提电脑的最佳扬声器选择。

全设定的扬声器模拟输出会为您提供绝佳的音色。

FLY 3可以由电池供电，您可以随身携带它，随时随地获得“梦寐以求的声音”！

前面板

1.输入

在此连接您的吉它。请使用高品质吉它导线进行连接。

2.增益

此控制用于调节过载或失真量。

选择清音通道时，低设置逆时针转动将产生清音音色。顺时针增加增益控制时音色将从清音逐渐转为失真，到达最大值时，获得完全失真的音色。

选择过载通道时，增益控制可以调节过载或失真量。低设置时逆时针转动，将产生接近失真的清音音色。随着增益控制值的增加，声音将变得失真度越来越大，直到最大值时获得极端失真的主音音色。

3.OO (过载)

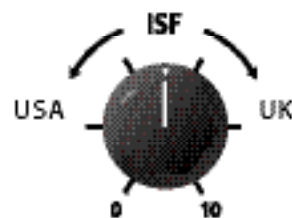
按下此开关将选择过载通道。开关位于in时选择过载通道。开关处于out时选择清音通道。

4.音量

它用来控制清音和过载通道的音量。顺时针转动将增加音量。

5.ISF (无限音色塑形功能)

您可以用它选择确切的音色名称。完全逆时针调节时会产生更多美式音色的特点，有紧密的底端音头和更激烈的中频，完全顺时针调节则有更多英式特点，更“硬朗”且更少激烈性。



6.延迟电平

按下此按钮将开启、关闭立体声延迟效果，或锁定于编辑效果。保存音色时此设置将被保存。

7.延迟时间

拨动此开关改变延迟效果的速度——顺时针转动将增加延迟，逆时针则降低延迟。

8.MP3/线路输入

在此连接MP3或CD播放器的输出。调节播放器的音量以匹配吉他的音量，使您可以与喜爱的乐曲一起演奏。

注意：连接为立体声。

9.扬声器模拟输出&耳机

此输出模拟吉他扬声器箱体的音色特质，提供自然的电子管过载音色用于连接至录音设备或调音台，或者用于耳机。要充分利用立体声混响，请使用立体声插孔至两个单声道插孔分线器，为录音设备或调音台的两个通道提供声音（参见以下图表）。输出也能对应单声道的吉他音频源。请使用高品质导线。

注意：在此连接导线时音箱的内置扬声器是断开连接的。

10.电源

此开关用于开启和关闭音箱。

11.电源指示灯

音箱电源开启时电源指示灯变亮。

背面板

1.DC输入

在此连接外置电源。

请使用BLACKSTAR指定的电源。

6.5V 1.5A

2.电池盒

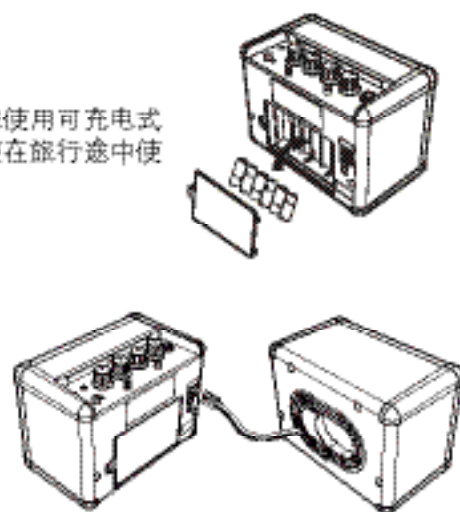
在此插入电池方便使用。我们推荐您使用可充电式电池（镍氢电池）或碱性电池，方便在旅行途中使用。

6节5号电池（可充电）

3.扩展箱体

使用FLY 103的内置导线将您的FLY 3与FLY 103连接，创建6瓦立体声配置。

（扩展箱体另售）



Technical Specification

FLY 3 / FLY 3 Bluetooth

Power (RMS): 3 Watt

Weight (kg): 1

Dimensions (mm): 128h X 170w X 102d

Batteries: 6 x AA batteries

Speaker Size: 3"

FLY 103

Power (RMS): 3 Watt

Weight (kg): 1

Dimensions (mm): 128h X 170w X 102d

Speaker Size: 3"

Especificaciones Técnicas

FLY 3 / FLY 3 Bluetooth

Potencia (RMS): 3 Watio

Peso (kg): 0.96

Dimensiones (mm): 128h X 170w X 102d

FLY 103

Potencia (RMS): 3 Watio

Peso (kg): 0.96

Dimensiones (mm): 128h X 170w X 102d

Technische Daten

FLY 3 / FLY 3 Bluetooth

Leistung (RMS): 3 Watt

Gewicht (kg): 1

Abmessungen (mm): 128h X 170w X 102d

FLY 103

Leistung (RMS): 3 Watt

Gewicht (kg): 1

Abmessungen (mm): 128h X 170w X 102d

Fly 3

出力:1ワット(RMS)

真空管:ECC83 x 1、ECC82 x 1

重量:約6kg

寸法:308(W) x 305(H) x 172(D)mm

Fly 103

出力:1ワット(RMS)

真空管:ECC83 x 1、ECC82 x 1

重量:約4kg

寸法:308(W) x 185(H) x 172(D)mm

Caractéristiques Techniques

FLY 3 / FLY 3 Bluetooth

Puissance (RMS): 3 Watt

Poids (kg): 1

Dimensions (mm): 128h X 170w X 102d

FLY 103

Puissance (RMS): 3 Watt

Poids (kg): 1

Dimensions (mm): 128h X 170w X 102d

技术指标

FLY 3 / FLY 3 Bluetooth

电源 (RMS) : 3瓦

重量 (kg) : 1

体积 (mm) : 128h X 170w X 102d

电池 : 6节5号电池

扬声器大小 : 3英寸

FLY 103

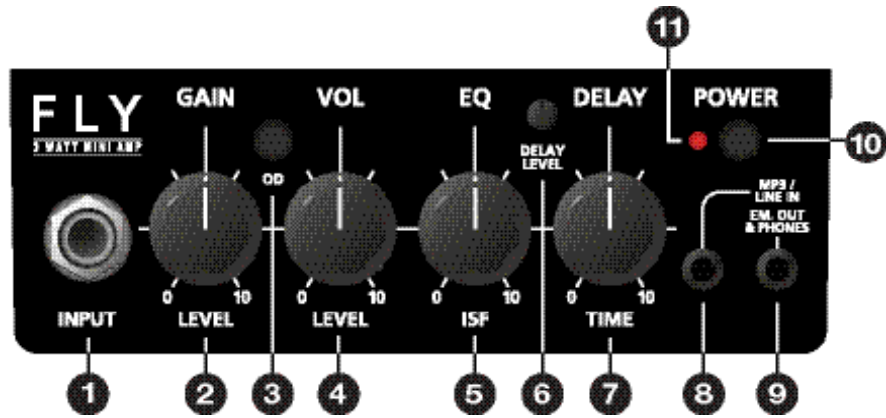
电源 (RMS) : 3瓦

重量 (kg) :

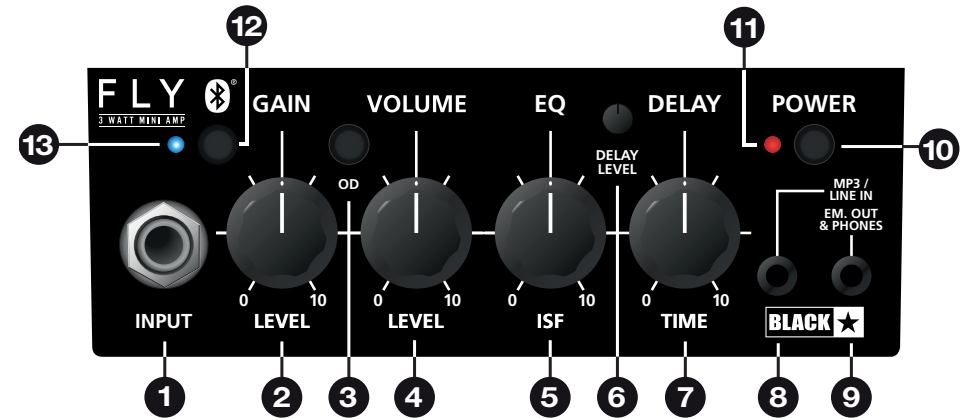
体积 (mm) : 128h X 170w X 102d

扬声器大小:3英寸

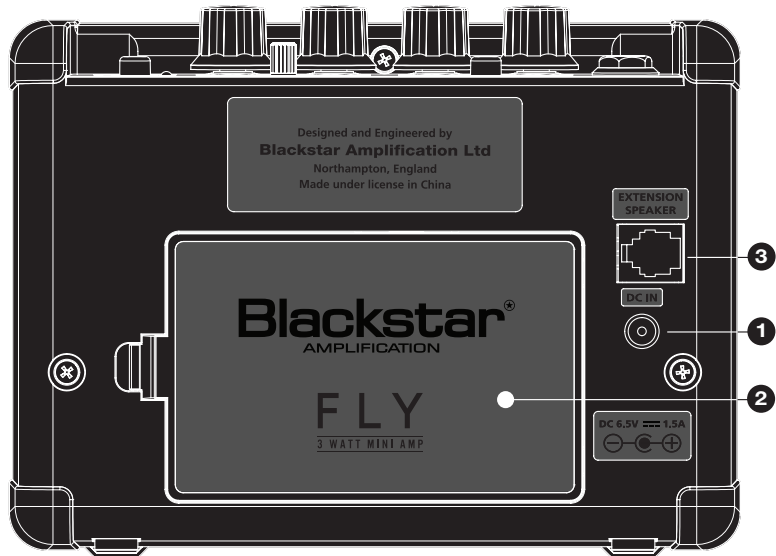
FLY 3 Front Panel



FLY 3 Bluetooth Front Panel



FLY 3 Rear Panel



FLY 3 Bluetooth Rear Panel

