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Blackstar[®]

AMPLIFICATION



LT-ECHO 10

Owner's Manual

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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

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”.

Warning!

Important safety information!

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

Follow all warnings and instructions marked on the product!

Danger! High internal operating voltages.

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!

Do not cover or block ventilation slots or openings.

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

Before the unit is switched on, the loudspeaker should be connected as described in the handbook using the lead recommended by the manufacturer.

Always replace damaged fuses with the correct rating and type.

Never disconnect the protective mains earth connection.

High loudspeaker 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.

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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.

Ear plug protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of 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.



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 LT-ECHO 10 amplifier.

The LT-ECHO 10 products are packed with all the great tones you expect from a Blackstar.

LT-ECHO 10 amplifier includes the patented Blackstar ISF circuit, which gives you infinite possibilities for changing the tone of your amp.

Like all Blackstar products, the LT-ECHO Series 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 LT-ECHO 10 is the practice amp, packing all the great tone and innovative features you would expect from a Blackstar. The patented ISF (Infinite Shape Feature) circuit gives you infinite adjustment over the characteristics of the tone control network and takes you from the USA to the UK and anywhere in between. So now you can effectively design your own tone and finally find 'the sound in your head'.

The LT-ECHO 10 also has a fully specified speaker emulated output allowing any guitarist to get amazing tone straight to tape or disk, or through headphones.

Add to this an MP3 / Line Input, allowing you to jam along to your favourite tracks, you have everything you need for practising or recording.

This controls the amount of time and feedback on the DELAY. Turn the knob clockwise to increase the time and feedback for a spacious large room feel, and counter-clockwise to decrease the time and feedback for a more slap-back type effect.

LT-ECHO 10 Front Panel

1. INPUT

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

2. VOLUME

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

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. EQ/ISF (INFINITE SHAPE FEATURE)

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

5. DELAY ON/OFF

Press this switch to engage the DELAY. When the switch is out the DELAY is off.

6. DELAY TIME

This controls the amount of time and feedback on the DELAY. Turn the knob clockwise to increase the time and feedback for a spacious large room feel, and counter-clockwise to decrease the time and feedback for a more slap-back type effect.

7. 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.

8. SPEAKER EMULATED OUTPUT & HEADPHONES

This output emulates the tonal characteristics of a guitar speaker cabinet and provides a natural overdrive tone for connection to a recording device or mixing desk, and for use with headphones. Note: when a lead is connected here the combo's internal speaker is disconnected.

9. POWER INDICATOR LIGHT

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

10. POWER

This switch is used to turn the amplifier on and off.

LT-ECHO 10 Rear Panel

1. MAINS INPUT

The mains lead should only be connected to a power outlet that is compatible with the voltage, power and frequency requirements stated on the rear panel. If in doubt get advice from a qualified technician.

Technical Specification

LT-ECHO 10

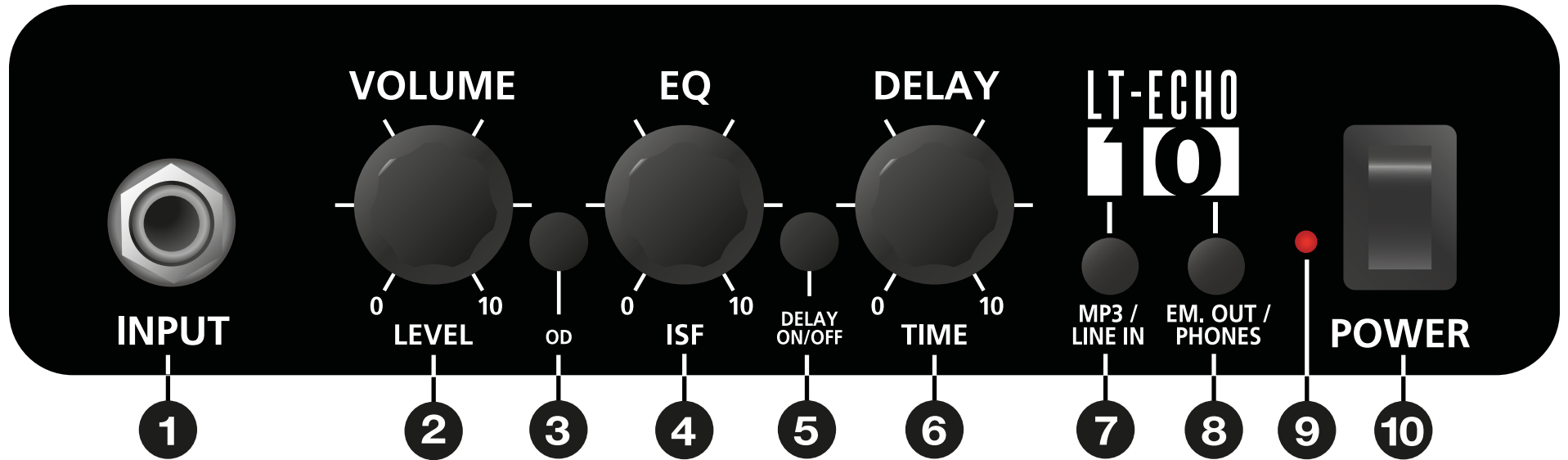
Power (RMS): 10 Watt

Weight (kg): 3

Dimensions (mm): 216w X 252h X 142d

Speaker Size: 3"

LT-ECHO 10 Front Panel



はじめに

この度は、BLACKSTAR LT-ECHO 10 をお買い上げいただき、誠にありがとうございます。

LT-ECHO 10は、BLACKSTARの素晴らしいトーンが満載です。

また、アンプには特許取得済みのBLACKSTAR ISF回路が搭載されており、アンプのトーンを無限に変更することができます。

LT-ECHOシリーズは、他のBLACKSTAR製品と同様に、NORTHAMPTON (英国)を拠点とした世界最高水準のデザインチームによる数々の研究開発の成果であり、BLACKSTAR開発チームはすべてのスタッフが熟練したミュージシャンであり、製品を作る際の開発プロセスの唯一の目的は、ギタリストに究極の自己表現ツールを提供することです。

すべてのBLACKSTAR製品は、品質、信頼性、そしてとりわけトーンの点で本当に妥協しないことを保証するために、厳しい実験およびロードテストが繰り返されます。

BLACKSTAR製品について詳しく知りたい場合は公式HPをご覧ください。

BLACKSTAR公式HP: www.blackstaramps.com

ありがとうございます!

BLACKSTAR TEAM

特長

LT-ECHO 10は、BLACKSTARに期待される優れたトーンと革新的な機能をすべてバックした、練習用アンプです。特許を取得したISF (INFINITE SHAPE FEATURE)回路は、トーンコントロールネットワークの特性に無限の調整を与え、USサウンドからUKサウンド、そしてその間のどこでも設定が可能です。そのため、独自のトーンを効果的にデザインし、「頭の中のサウンド」を見つけることができます。

また、LT-ECHO 10は完全に仕様化されたスピーカーエミュレート出力を装備しており、ギタリストはテープやディスク、ヘッドフォンなどに素晴らしいトーンを与えることができます。

これにMP3/ LINE INPUTを追加すると、お気に入りのトラックに合わせてジャムすることができます、練習や録音に必要なものがすべて揃います。

LT-ECHO 10 前面パネル

1. INPUT

ギターをここに接続します。必ず、良質なシールドケーブルを使用してください。

2. VOLUME

CLEAN チャンネルとOVERDRIVE チャンネルのボリュームをコントロールします。時計回りに回すと音量が大きくなります。

3. OD (OVERDRIVE)

このスイッチを押して、オーバードライブ・チャンネルを選択します。スイッチがオーバードライブ・チャンネルにある場合は、選択されます。スイッチが切れると、クリーンチャンネルが作動します。

4. EQ/ISF (INFINITE SHAPE FEATURE)

特許取得済みのISFにより、お好みの正確なトーンシグネチャを選択できます。完全に反時計回りにすると、ボトムエンドがきつく、アグレッシブなミドルとなるアメリカンな特性が得られます。また、完全に時計回りにすると、より「木質」でアグレッシブでないイギリスの特性が得られます。

5. DELAY ON/OFF

このスイッチを押して、DELAY を起動します。スイッチが切れると、DELAYはオフになります。

6. DELAY TIME

DELAY TIMEとフィードバックを制御します。ノブを時計回りに回すと、時間とフィードバックが長くなり、広い空間感覚が得られます。反時計回りに回すと、時間とフィードバックが短くなり、スラップバックタイプのエフェクトが得られます。

7. MP3 / LINE IN MP3

またはCD プレーヤーの出力をここに接続します。プレーヤーの音量をギターの音量に合わせて調節し、自分で演奏できるようにします。

注意: 接続はステレオです。

8. SPEAKER EMULATED OUTPUT & HEADPHONES

ギター・スピーカー・キャビネットの音色特性をエミュレートし、レコーディング・デバイスやミキシング・デスクに接続したり、ヘッドフォンで使用するための自然なオーバードライブ・トーンを提供します。

注意: ここにリードを接続すると、コンボの内蔵スピーカーは切断されます。

9. POWER INDICATOR LIGHT

アンプの電源を入れると、電源インジケーターが点灯します。

10. POWER

アンプのオン/オフを切り替えるスイッチです。

LT-ECHO 10 背面パネル

1. MAINS INPUT

メインリードは、リアパネルに記載されている電圧、電力、周波数要件に適合する電源コンセントにのみ接続してください。不明な点がある場合は、資格のある技術者にアドバイスを受けてください。

技術仕様

LT-ECHO 10

出力(RMS): 10 W

重量(kg): 3

寸法(mm): 216w x 252H x 142D

スピーカーサイズ: 3"