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with
Electar-15B
Bass Amplifier



OWNERS MANUAL

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GUITAR OWNERS MANUAL

Care Of Your Instrument

We recommend that you always keep your instrument in a case when transporting or storing it. This reduces the possibility of damage due to nicks and jams, and sudden changes in climate or atmosphere.

Carry the case with the lid towards your body. In the event that you have not properly fastened the latches and the case opens, the lid will fall against your leg and prevent the instrument from falling on the ground. Never put your instrument in the trunk of your car or place anything on top of it.

Perspiration can damage the finish of your instrument so always wipe down your guitar after playing or before storing with a clean soft cloth. Polishing it with some high gloss guitar polish or a good quality carnauba wax polish will prolong the durability of the finish.

Tuning Your Instrument

Many individuals have their own method of tuning their instrument. We recommend the following method. A Toby bass guitar is tuned to A-440; utilizing a tuning fork, electronic tuner or pitch pipe. The following chart shows how different instruments are tuned. The first string, for this purpose, is considered to be the smallest diameter. Tune the two outside strings first, then tune towards the center. This equalizes the pressure on the bridge and allows rapid tuning. Check intonation.

Bass				Guitar					
4th	3rd	2nd	1st	6th	5th	4th	3rd	2nd	1st
E	A	D	G	E	A	D	G	B	E

Action Adjustment

Action is the distance that a string must be depressed before it meets the fret. Action measurements are taken in 64th's of an inch, and are calculated from the top of the 12th fret to the underside of the string. We set the action on all instruments at the factory to the optimum playability setting. On occasion, lower than standard settings are desired by the player. This can be achieved by adjusting the bridge studs (*See Bridge Adjustment*). Lower than standard action can often result in "buzz" or "rattle". This is caused by the string vibrating against the fret. Buzz or rattle

caused by lower than standard action is not considered a defect of the instrument.

For action at the 1st fret, all instruments are set at the same height. Treble strings are set to 5/64" and the action progresses up to 7/64" for the bass strings. Be sure that the truss rod is properly adjusted before setting action.

Action at the 12th fret		
	Treble Side	Bass Side
Electric Guitars	4/64	6/64
Acoustic Guitars	5/64	7/64
Bass Guitars	5/64	7/64

Trussrod Adjustment

All guitar necks are subject to great stress as a result of string tension, humidity or changes in climate. Occasionally there are times when the neck may need adjustment. The truss rod is adjustable at the lower end of the neck, using an allen wrench or an adjustment wrench. **NOTE: This adjustment should be performed periodically and only by qualified repair personnel. Over adjustment can result in damage to the instrument.**

Intonation and Saddle Adjustment for a Toby™ Bridge

Your Toby Adjustable Bridge equipped bass guitar comes to you pre-adjusted. But several adjustment options are available to you:

1. String Height or Action*

The height adjustment of the bridge can be set by using the two allen screws on either side of the bass saddles. Clockwise to raise, counter-clockwise to lower.

2. Adjusting The Intonation *

Intonation adjustment is usually only necessary when different gauge strings are fitted. The saddle positions are adjusted by the individual philips-head screws located on the back of the bridge, sliding the saddles forward or backward. To check the intonation: Use an electronic tuner and tune the bass to a standard pitch. **NOTE: All Toby bass guitars use A-440 for standard pitch. Play the harmonic at the 12th fret, compare it to the fretted note at the 12th fret, these notes should read the same on the tuner.**

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YOU WILL LEARN GUITAR"
- GUITAR WORLD

ANYONE CAN PLAY GUITAR

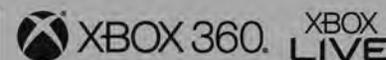


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*Requires guitar to have 1/4" output jack.



For Your Records

Congratulations on owning your new Epiphone product. For your own records, should you ever need to identify your product for warranty or insurance purposes, please fill in the following:

Model Name: _____ Serial No. _____

Date of Purchase: _____ Dealer's Name _____

Dealer Address _____

REGISTER YOUR NEW TOBIAS INSTRUMENT NOW!

Visit www.epiphone.com and select **SUPPORT** then **WARRANTY REGISTRATION**.

Important: Warranties are extended to the original retail purchaser only and may not be transferred or assigned to subsequent owners. In order to validate your warranty, and as a condition precedent to warranty coverage, you must complete the on-line registration within fifteen (15) days following the original date of purchase. Visit www.epiphone.com for complete warranty details and further information.

Warranty Instrument: Your new Tobias instrument carries a **Limited Lifetime Warranty***. For details and limitations visit www.epiphone.com.

Warranty Amplifier: Your new Epiphone amplifier carries a Limited **3-Year Warranty***. For details and limitations visit www.epiphone.com.

Returns: All Epiphone/Tobias products are guaranteed and backed by Gibson Musical Instruments legendary 24 hours, 7 days a week, 365 days a year Customer Service. All returns must be issued a **Return Authorization Number** by Customer Service **BEFORE** shipment. If for any reason, you have questions, need help or think you need to return your product please contact Gibson Customer Service.

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You may also instant message us at:

AOL Instant Messenger, Yahoo! Messenger, & MSN Messenger users can IM Gibson Customer Service at customer.service1@gibson.com

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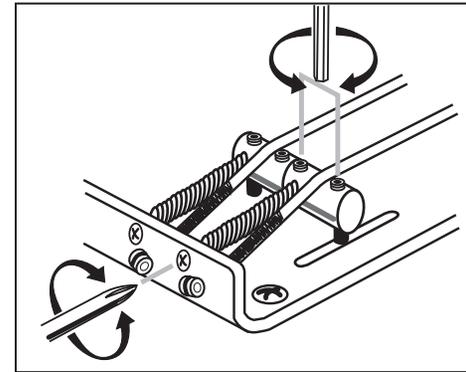
Please join us on the Gibson Forums at <http://forums.gibson.com>. The Gibson Forums are provided for Gibson Fans to share opinions and information about all of the brands in the Gibson family.

* Void where prohibited by law.

Before adjusting the intonation, first determine the direction that the saddle needs to be moved. If the 12th fret harmonic pitch is lower than the fretted note, slide the saddle back. If the 12th fret harmonic pitch is higher than the fretted note slide the saddle forward.

** (Adjusting the intonation and string height will affect the playability of your guitar. If you are unsure of any of the above operations please take your guitar to an Authorized Epiphone Dealer or experienced guitar technician.)*

The Toby Adjustable Bridge



Restringing Your Bass

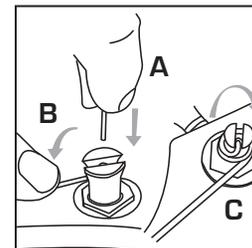
As simple as it may sound, proper string installation is critical to the playability of your instrument. An incorrectly installed string can slip and cause the instrument to go out of tune.

1. At the Bridge

The bridge end of the instrument is strung as shown in the image above. Different instruments are strung according to the bridge and string type. The bridge end is always strung *before* the string posts at the headstock.

2. At the Headstock

Bring the string from the bridge to the post on the corresponding tuner located on the headstock. (A) Stick tip of the string straight down into the hole in the center of the tuning post. (B) Bend the string to the side so it rests in the center groove of the post. (C) Turn the tuning head to increase the tension of the string; making sure that the string winds *down* the post, with enough winding to ensure the string sits firmly in the groove of the nut.



Tuner Post Stringing

Control Knobs

Your Tobias electric Bass guitar is capable of producing a variety of sounds by manipulating the controls.

Master Volume Control

The Volume knob, controls the amount of volume the pickups are putting out. Turning the control clockwise produces more volume. Turning the control counterclockwise produces less volume.

Treble Cut Control

Turning the Treble Cut control counterclockwise reduces the treble output of the pickups and produces a darker tone. Turning the control fully clockwise will produce the brightest sound. This means that the pickups full range of harmonic frequencies are being passed on to your amplifier.

Bass Cut Control

Turning the Bass Cut control counterclockwise reduces the bass output of the pickups and produces a thinner tone. Turning the control fully clockwise will produce the thickest sound. This means that the pickups full range of harmonic frequencies are being passed on to your amplifier.

Pickup Blend Control

The Pickup Blend control allows you to sweep between the two pickups. The center detent gives equal response from both pickups. Turning the Blend control counterclockwise reduces the pickup response of the Neck pickup, while turning the control clockwise reduces the response of the Bridge pickup.

Control Layouts

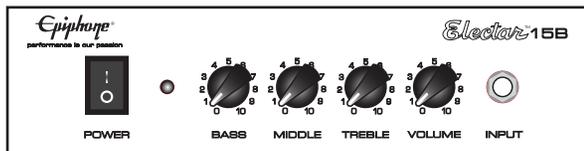


Shown: "Toby"™ Standard-IV Bass

ELECTAR-15B BASS AMPLIFIER OWNERS MANUAL

Epiphone Amplifiers are the result of years of extensive research and development by some of the music industry's finest musicians and engineers. For decades Epiphone has provided world class products to musicians everywhere. The Epiphone name stands for quality and this product has been designed to provide years of lasting musical pleasure.

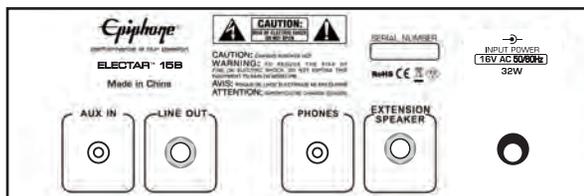
FRONT PANEL



Your device is equipped with an external AC to DC power adaptor. First, plug the power adaptor's small cable end into the **Power IN** jack located on the back of the amplifier. Then plug the adaptor into your AC wall socket. Turn the power switch to ON. The RED LED should light up indicating power is supplied.

- Input Jack** - Connect your guitar using a standard 1/4" instrument cable to this input. Connect the other end of the cable to your guitar.
- Volume** - Adjusts the overall volume output of the amplifier
- Treble** - Controls the boost and cut of the upper frequencies. The treble control will make the sound brighter.
- Middle** - Controls the boost and cut of the mid-range frequencies.
- Bass** - Controls the boost and cut of the low frequencies. The bass control will make the sound darker.
- Power Switch** - Turns the AC Power on and off.

BACK PANEL



- Power In** - Input jack for external power adaptor. Plug power adaptor jack into here.
- Extension Speaker** - This is a standard 1/4" speaker cable output jack rated for 8 ohms. Use it to connect an external speaker or speakers. When connected, the internal amplifier speaker is deactivated.
- Headphone Jack** - For connecting headphones with a mini 3.5mm stereo plug. Always turn the Volume control to 0 BEFORE engaging headphones. When using the headphone jack, the speaker is disconnected allowing for private listening.
- Line Out** - This is a standard 1/4" output jack for connecting the amplifier's signal to a PA system or recording console or to connect the amplifier to another guitar amp. Use it to connect one amp to another to create different tone colors or sound effects. Or use it to connect the amp directly to a PA system or recording console without the tonal coloration produced from the internal speaker.
- Aux In** - This is a 3.5 mm input jack that allows you to connect external devices such as CD or MP3 players to play through your amplifier's speaker. Use it to play along with pre-recorded music.

TROUBLE SHOOTING

NO SOUND - Power LED Indicator light is OFF

- Check if the **Power Switch** is ON.
- Make sure AC outlet is active by plugging into another electrical outlet.
- Is the AC cord from the amplifier properly plugged in?

NO SOUND - Power LED Indicator light is ON

- Make sure the **Volume** control is set past 3.
- All controls should be set above 3.
- Try a different instrument cord.

WARNING: To prevent fire or electric shock, DO NOT expose this equipment to rain or moisture. No user serviceable parts. Refer all repairs to an **Authorized Epiphone Warranty Center**. Your Epiphone Amplifier comes with a **Limited 3-Year Warranty**. Visit www.epiphone.com for details. Void where prohibited.

SPECIFICATIONS

Output Power	15 Watts
Treble Control	+15dB/-15dB @ 60Hz
Treble Control	+15dB/-15dB @ 660Hz
Bass Control	+15dB/-15dB @ 6kHz
Input Sensitivity @ 1KHz	40mv
Input Impedance	1 megaohm
Headphone Jack	3.5mm
Aux In Jack	3.5mm
Extension Speaker	1/4" - 8 ohms
Speaker	10" - 8 ohms
Power Consumption	32 Watts

English

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact our local city office, your household waste disposal service or the shop where you purchased the product.

Français

Traitement des appareils électriques et électroniques en fin de vie (Applicable dans les pays de l'Union Européenne et aux autres pays européens disposant de systèmes de collecte sélective)



Ce symbole, apposé sur le produit ou sur son emballage, indique que ce produit ne doit pas être traité avec les déchets ménagers. Il doit être remis à un point de collecte approprié pour le recyclage des équipements électriques et électroniques. En s'assurant que ce produit est bien mis au rebut de manière appropriée, vous aidez à prévenir les conséquences négatives potentielles pour l'environnement et la santé humaine. Le recyclage des matériaux aidera à conserver les ressources naturelles. Pour toute information supplémentaire au sujet du recyclage de ce produit, vous pouvez contacter votre municipalité, votre déchetterie ou le magasin où vous avez acheté le produit.

Slovensky

Likvidácia starých elektrických a elektronických zariadení (Plati v Európskej únii a ostatných európskych krajinách so zavedeným separovaným zberom)



Tento symbol na výrobku alebo obale znamená, že s výrobkom nemôže byť nakladané ako s domovým odpadom. Miesto toho je potrebné ho doručiť do vyhradeného zberného miesta na recykláciu elektrozariadení. Tým, že zaistíte správne zneskodenie, pomôžete zabrániť potenciálnemu negatívnemu vplyvu na životné prostredie a ľudské zdravie, ktoré by v opačnom prípade hrozilo pri nesprávnom nakladaní s týmto výrobkom. Recyklácia materiálov pomáha ušetriť prírodné zdroje. Pre získanie ďalších podrobných informácií o recyklácii tohoto výrobku kontaktujte prosím váš mestský alebo obecný úrad, miestnu službu pre zber domového odpadu alebo predajcu, kde ste výrobok zakúpili.

Deutsch

Entsorgung von gebrauchten elektrischen und elektronischen Geräten (Anzuwenden in den Ländern der Europäischen Union und anderen europäischen Ländern mit einem separaten Sammelsystem für diese Geräte)



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Nederlands

Verwijdering van Oude Elektrische en Elektronische Apparaten (Toepasbaar in de Europese Unie en andere Europese landen met gescheiden ophaalsystemen)



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Magyarul

Felhasználás utáni elektromos és elektronikus készülékek hulladékéretté való eltávolítása (Használható az Európai Unió és egyéb európai országok szelektív hulladékgyűjtési rendszerében)



Ez a szimbólum a készüléken vagy a csomagolásán azt jelzi, hogy a terméket ne kezelje háztartási hulladékként. Kérjük, hogy az elektromos és elektronikai hulladék gyűjtésére kijelölt gyűjtőhelyre adja le. A felhasználás utáni termékeknek helyes kezelésével segít megelőzni a környezet és az emberi egészség károsodását, mely bekövetkezhetne, ha nem követi a hulladék kezelés helyes módját. Az anyagok, újrahasznosítása segít a természeti erőforrások megőrzésében. A termék újrahasznosítása érdekében további információért forduljon a lakhelyén az illetékesekhez, a helyi hulladékgyűjtő szolgáltatóhoz vagy ahhoz az üzlethez, ahol a terméket megvásárolta.