

# USER & ASSEMBLY MANUAL

**KLŌS**

GUITARS



**KLÖS™**

**GUITARS**



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# About Us

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Our mission is to make guitars that are never left behind, wherever you go. KLŌS Guitars was founded in 2015 by Adam and Ian Klosowiak (brothers) while studying engineering in college. Adam was very interested and involved in entrepreneurship, while Ian had a knack for mechanics and a lot of experience with carbon fiber. Both Adam and Ian always took their guitar on all their adventures, which is how all the puzzle pieces came together and KLŌS Guitars was born. Our factory is now located in Utah where all our guitars are built and assembled by passionate guitarists and builders.

Our mission is to help you and all musicians to never leave your instrument behind, but to take it with you and keep it KLŌS wherever you go, while also having the peace of mind that it's durable and reliable.

P.S. The name KLŌS comes from our last name Klosowiak, and is pronounced with a long O, like the word "Close" (like keep your guitar close).

**Lifetime Warranty:** KLŌS Guitars proudly stands behind its products. Please contact us about any problems. See our website for more information.

# About Carbon Fiber

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Carbon fiber has revolutionized hundreds of industries, including sports, recreation, and aerospace. With modern technology, we can design the stiffness and density to our exact needs, which results in a guitar that sounds like wood!

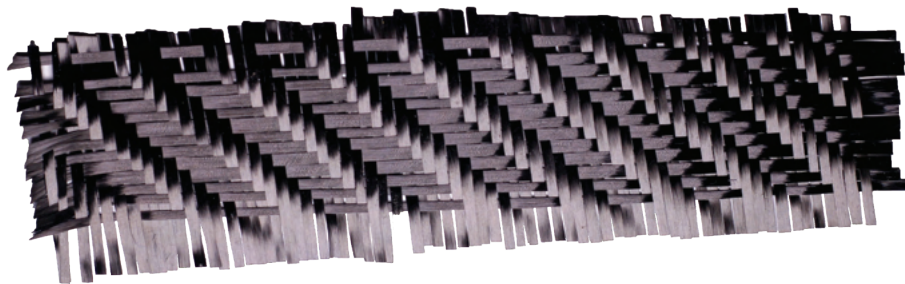
We build guitars out of carbon fiber because it's the perfect material for making a durable guitar that you can always keep out, and take with you wherever you go. No more need for humidifying, or hiding your guitar in its case under the bed. You can always have it ready to be played on the couch, in the living room, and on all your trips or tours. Having this worry-free attitude with your guitar changes your whole guitar lifestyle experience.

One of the benefits of carbon fiber is that it will give more sound volume than a wood guitar of the same size. The carbon fiber neck and composite fretboard will never experience wood shrinking, sharp frets, warping, flexing, and changes in string height.

Real carbon fiber is not made from injection molded plastic, but it is made by hand with flexible sheets of fabric that are laid up in several layers in a metal mold

with an epoxy resin. Using a vacuum, the air is removed, and heat allows the epoxy resin to cure hard, into the strongest and lightest material in the world. Watch our durability testing videos to see how strong our instruments are!

Your new carbon fiber guitar is a piece of gear that is ready to keep KLÖS, wherever you go.



# Customer & Musician Highlights

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Check out what your fellow customers are doing with their KLÖS instruments. We have musicians touring, and brand ambassadors traveling around the world with their KLÖS. Where will you go?

Our customers have hiked the Pacific Crest Trail, cycled from Montreal to San Diego, played “Stairway to Heaven” at the peak of Denali, traveled to the South Pole, and more— all with their KLÖS instruments. Send us pictures of your adventures, and we will share it with the rest of the KLÖS Family.

If you are interested in becoming an ambassador, feel free to reach out by scanning the QR code below!





# Guitar Assembly Instructions

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1. We send the guitar disassembled for two reasons. First, so that you can learn how to assemble and disassemble the instrument on your own, making you familiar with the process for future travel. Secondly, our method of packaging creates a lower shipping cost, which directly transfers to you, the customer.
2. Unpack the guitar and be careful not to tangle the strings. Do not remove the capo yet.
3. Remove the screws from the small bag containing the screwdriver and hex wrench.
4. Place the body on a flat surface. Put the neck in the neck pocket carefully (Make sure that the strings are not tangled. For acoustic guitar, confirm the saddle is fully seated in the bridge. For the bass guitar, make sure the strings are in the bridge before putting the neck into the neck pocket). While holding the neck firmly in the neck pocket, pick up the guitar vertically, turn it around so the back is facing you, and hold it with your left hand, with your fingers on the fretboard and thumb on the back of the body. On the electric and bass guitar, there are 4 bushings and **2 shorter screws** that go in the top holes, and **2 longer screws** which go in the bottom holes. For the acoustic models, the 4 screws are the same length. Place the screws in the holes and screw



them in with your fingers until you feel that the threads are in the inserts. Do this to all 4 screws. Turn the screws with your KLÖS screwdriver (size P2 Philips), until they are almost fully screwed in (about 95% in).

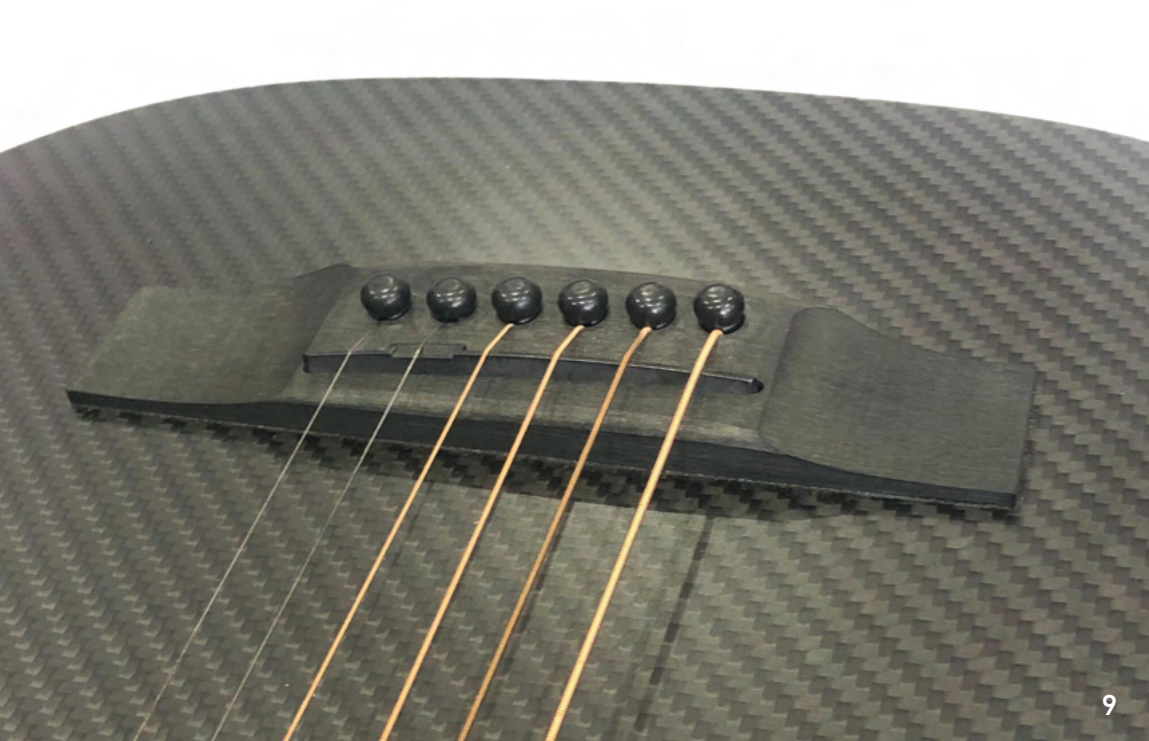
5. Confirm the heel of the neck is fully seated in the neck pocket, and then fully tighten the screws (they should be screwed to a medium level of hand tightness. Holding the screwdriver with your thumb and index finger is enough). The best way to do this step is to lean the butt of the guitar body against your lap, hold the neck with your left hand at the 12th fret, and lightly press the neck down into the neck pocket. With your right hand, finish screwing in all 4 screws. For acoustic guitar, remove the tape off the saddle, then remove the tape off the bridge pins. Make sure that the bridge pins are pushed in tight, and the saddle is in the saddle slot.
6. Start turning the machine heads to take up some of the slack.
7. Stop to check that the strings are in the string slots at the nut and saddle, and make sure that the string spacing is equal at the saddle.
8. Remove the capo and tune your guitar to standard tuning. With under-saddle pickups, it helps to press the saddle down and back, while stringing, to ensure that there is even pressure on the electronics. CAUTION: Be careful not to over tune your strings.

# Disassembly Instructions

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1. The neck of the KLÖS guitar easily detaches, and can be taken off the body when you desire to place it in a suitcase, or in a gig bag in disassembly mode.
2. Install a capo over the first fret.
3. Loosen the strings until there is no tension.
4. Unscrew the screws from the back with a screwdriver.
5. Place the screws (and the acoustic guitar saddle) in the clear plastic bag for safekeeping. For the electric bass guitar, you can pull the strings out of the bridge completely.
6. When putting the neck back on, follow the assembly instructions.





# Truss Rod

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We adjust the truss rod before it leaves the factory so that you don't have to worry about it. However, some customers prefer a more customized adjustment, which is fairly easy to do. The Truss Rod can be adjusted with a 4 mm hex wrench (which can be found in your gig bag pocket). Turning it clockwise will bow the neck back and bring the strings closer to the frets, lowering the gap between the strings and the frets (less relief, lower action). Turning the truss rod counterclockwise will increase the distance of the strings from the frets (more relief, higher action).

To check the bow of your neck, put a capo on the first fret. While using your right hand to press on the last fret, use your left hand to press down in the middle of the fretboard (usually the 7th or 8th fret). The gap between the fret and the string should be about the thickness of one or two business cards. Make sure the hex wrench is in



all the way before turning. Removing the 2 middle strings out of the nut slots and moving them to the side will help access the truss rod.

Never turn the truss rod too hard. If it is difficult to turn, take the guitar to a specialist. If you do not feel comfortable adjusting the truss rod on your own, take it to a specialist. Never turn the truss rod more than 1/8th of a turn at a time. If you strum hard and would prefer to hear less buzzing, we recommend that you increase the bow in your neck (turn the truss rod counter clockwise, looking from the top). Watch the video on our website for more information.







# Special Care

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The KLÖS Guitar is significantly more durable than wood guitars, but it is still susceptible to scratches and damage. The wood neck on the hybrid models must be treated as a standard wood guitar neck, meaning that it should stay out of contact with water, and should not be exposed to extremely high or low temperatures. Do not keep the guitar in direct sunlight, in a hot car, in a cold car, in a cold garage, in a hot attic, a damp or very dry area, or anything of the sort for extended periods of time, and avoid it if possible. Do not submerge the guitar in water, as screws, machine heads, and electronics can get damaged. This carbon fiber guitar body won't dent or crack nearly as easily as wood, but it is still an instrument and requires the necessary respect and care. Large impacts or falls can still damage the guitar.

# Electric Guitar & Bass Saddle Adjustment

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We precisely adjust the saddle height to the most popular position in our factory, so it is not necessary for most people to adjust them at all. However, some customers may prefer to adjust them to a more custom setting. Your electric or bass comes with a 1.5 mm hex wrench for adjusting the saddle height to make the string action higher or lower. We recommend that if adjustments are made, you adjust all the hex screws by exactly the same amount. For example, a quarter turn clockwise for all the screws will increase your string height by a small amount.







# Gig Bag

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For a good travel experience, the gig bag is equally as important as the guitar itself. That is why we have spent so much R&D into designing the perfect guitar bag. The KLÖS gig bag is made with the same high quality materials that you see in camping backpacks and outdoor gear. Because the guitar itself is durable and strong, it is not necessary to have a hard case for most situations. The KLÖS gig bag has just enough padding in the right parts of the bag to protect, while not feeling too heavy or bulky.

The guitar gig bag and neck sleeve have 3 different modes: regular, disassembled, and backpack mode. Each guitar gig bag has instructions in the flat computer pocket on the front of the bag (This is not necessary for the ukulele, as it does not disassemble).

When you are not using the guitar neck sleeve, you can put it in the main guitar compartment and attach it using the two large Velcro squares, or simply leave it at home.



Gig Bags Left to Right:  
Ukulele, Full Size, Bass, Travel, Travel, Ukulele







# Parts & Accessories

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You can view more of our accessories on our website. All of our parts and accessories were chosen and manufactured with the highest quality in mind.





# KLÖS Silent Cable

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Are you annoyed with the buzzing sound your cable makes when plugged in? The KLÖS Silent cable has an automatic button that opens and closes the circuit, and completely avoids the popping noise. Our innovative Automatic Silencing Button is the special component that keeps this cable silent until plugged in. The button closes the cable's electrical circuit until it is pressed in by the input connector.

Our silent cable uses copper that is oxygen-free, making it more conductive and less likely to corrode, giving it a longer life expectancy and improving the performance and sound of the cable.

This cable is suited to work with any electric instrument, making it an incredibly versatile performance tool.



# KLÖS Strap

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Looks simple, right? Well even straps need to have some thought put into them, and that's what we did.

- The KLÖS strap is light-weight and not bulky.
- Made with non slip cotton webbing.
- Genuine leather ends for durability.
- Built-in pocket in the leather for your pics.
- Adjustable buckle.
- Tight-fit hole cut for the strap pin, to prevent accidental detaching.
- Comes in two sizes, 2 inch wide for guitars, and 1.5 inch wide for ukuleles.



# KLÖS Stand

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Lightweight and compact to take with you anywhere, whether it's on stage, around a campfire, or in your living room. Folds easily and has two adjustable components to fit any guitar, ukulele, or electric guitar.





# Fishman Pickup

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Fishman - The leader in guitar electronics. Our acoustic/electric models come standard with the Fishman sonitone under-saddle pickup, with a simple volume and tone control that allows you to amplify your sound for on-stage performing, or in-studio recording



# Ratio Tuners

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Ratio Tuners, made by Graph Tech Guitar Labs, have a different gear for each string. Thicker strings have more teeth, thinner strings have less teeth. Makes tuning your guitar feel and perform like a dream.



# TUSQ Nut & Saddles

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TUSQ and NuBone XB are composite materials which makes these the finest precision engineered nuts and saddles. The high density and consistency result in higher bass response and optimum vibration transfer.

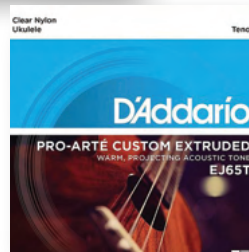


# D'Addario Strings

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We recommend re-stringing with the same gauge strings that came on your instrument. String replacements can be purchased on our website.

- Ukulele: model EJ65T(Nylon) or EJ99T (Fluorocarbon)
- Acoustic guitar: 12-53 gauge
- Electric guitar: 10-46 gauge
- Bass guitar: 45-100 gauge



# Capo

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The threaded capo is intended to be used when disassembling your guitar. Putting it on the first fret before loosening your strings will keep your strings in place during your travels.



Threaded Capo



Spring Loaded Aluminum Capo



# KLÖS Clip-On Tuner    KLÖS T-Shirt

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Works with guitar, bass and ukulele



Check out our men's and women's KLÖS T-shirts, available in many colors and sizes, all on our website.



# KLÖS Wall Hook

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Your guitar is designed to stay out and be ready to play. This wall hook is made with a walnut wood block, and steel and rubber hook. Comes equipped with screws and hardware for most wall types.





# Composite Ebony Fretboard & Bridge

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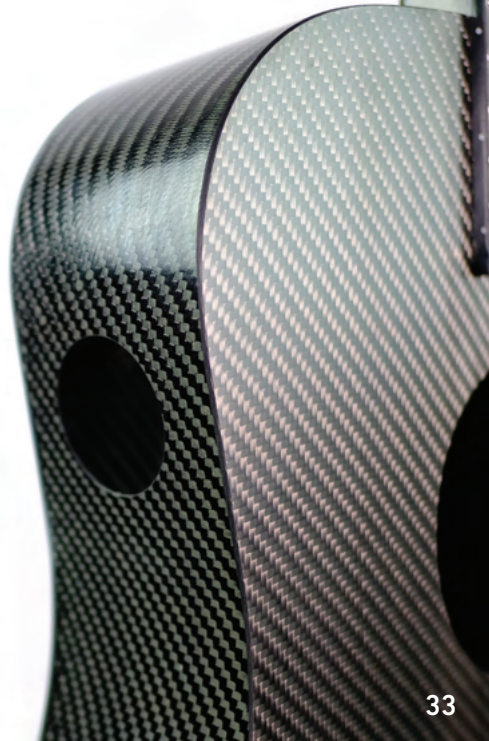
Our fretboards and acoustic bridges are made with a superior composite material that simulates the density and stiffness of ebony wood. It's manufactured with a blend of paper and epoxy. Not only does it produce great sound transfer, it's durable and resistant to any temperature and humidity changes. This avoids the common wood fretboard problems such as shrinking fretboards, sharp frets, and rising frets. The bridge is precisely designed to be light-weight, and to have the perfect geometry for optimal string height and sound.



# Sound Port

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A Sound Port is an optional hole on the side of the guitar that projects the sound of the instrument directly toward the player. Additionally, it makes the instrument louder, and helps the player to hear a more pure and clear tone of the instrument.





# Ukulele

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Hybrid



Full Carbon

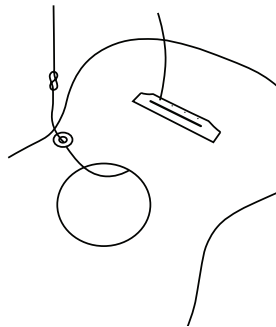


8 String Hybrid

# Ukulele Stringing Instructions

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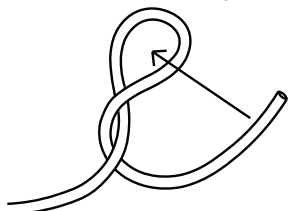
1. The KLÖS ukulele bridges use a String Through Body method. The technique for restringing with this type of bridge is different from most ukuleles, however, it's easy if you follow our instructions. Because carbon fiber is different from wood, this type of bridge is the best choice for carbon fiber ukuleles, and results in a better tone, sustain, and reliability for generations to come.
2. Loosen and take off the old strings from the tuners and push the string into the body about half of the string length.
3. At this point, you will probably be able to see the strings through the sound hole. Use your finger to fish them out, hold on to the knot, and pull them out of the bridge completely. If you have a hard time fishing out the string, try to twist the string as you push it into the body.
4. Take the new strings and put them into the bridge. Push the strings into the body about half the length of the



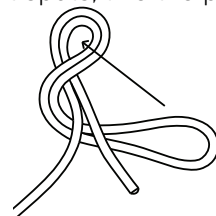
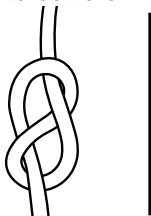
String Through Body With Washer

string. Put your finger into the sound hole to fish out the end of the string, similar to step 2. Once you have the end of all 4 strings out of the sound hole, put the little washer on the end of the string.

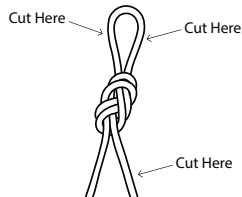
5. The next step is to tie a knot on the string end. There are 2 types of knots that we recommend using for the end of the string, a Single 8 Knot, and a Double 8 Knot. The Single 8 Knot is for the 2 middle strings (thicker strings, 2 & 3), and the Double 8 Knot is for the 2 outer strings (thinner strings, 1 & 4). If you use a Low G string on the 4th string, you should use the Single 8 Knot. Tie the knots like the pictures below (make sure there is still enough string length to attach the other end of the string to the tuners in the following steps). Tighten the knot as much as you can.
6. Cut the extra string length about 1 cm or 0.5 inches away from the knot. For the Double 8 Knot, you will need to cut 3 different spots, like the picture below.



Single 8 Knot

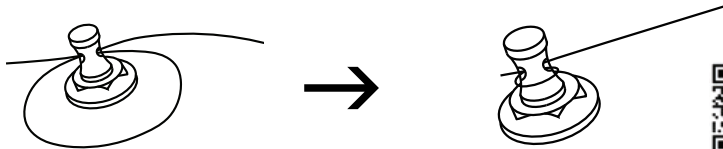


Double 8 Knot



7. Grab the string at the bridge and pull it all the way through, so the washer and knot are against the inside of the soundboard. Put the string through the machine head hole.
8. To have the perfect number of wraps around the tuners, once the ukulele is in tune, we recommend the following technique: For the 1, 2, and 4 string, pull the string all the way through the tuner hole until there is little or no slack. Then take the end of the string, and wrap it around half the tuner and put the string end into the tuner hole a second time. Pull it tight, and start turning the machine head to tune the string. For the 3rd string (the thickest, and also for the 4th string if you are doing a low G), you don't need to put the string into the hole a second time. Instead, give the string about 1 inch of slack, and start turning the tuner.
9. Tune each string and lightly stretch it, one by one, several times until each string is in tune and it stays in tune. Ukulele strings usually need about 2 weeks and a lot of playing to finally stay in tune.

#### Wrap String Around Tuner









# Acoustic Travel Guitar

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The first instrument that started this company. This guitar was designed with the intention of making it a piece of gear that you can rely on, so that you never again go on a trip without your guitar. Featuring a regular size neck on a small guitar body, large enough to have a great sound, and small enough to fit in your backpack. All of our acoustic models are available in our hybrid model, which has a wood neck, or a carbon fiber neck. Each model is also available with or without electronics.



# Full Size Guitar

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Featuring a dreadnought body with a full and well-rounded sound. This guitar was designed to have a full size sound and a full size feel, while also maintaining the durability that comes along with carbon fiber. All of our acoustic models are available in our hybrid model, which has a wood neck, or a carbon fiber neck. Each model is also available with or without electronics.









# Electric & Bass Guitar

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The Apollo Series Features:

- Carbon fiber neck
- Carbon fiber pickguard
- Solid wood body
- Detachable neck, for ease of travel
- KLÖS or Fishman humbucker pickups
- Customize by choosing your own pick-ups and knob configuration, with a custom cut pickguard
- Other customizable options on our website





# Designed to Stay Out of the Case

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While most high-end guitars need to be kept in a case and humidified, these guitars are designed to stay out of the case, and ready to be played at all times. The KLÖS Apollo Electric and Bass guitars are durable, with temperature and humidity having no effect. Each guitar is precisely assembled, wired, and tuned in our factory in Utah, the heart of the Rocky Mountains. The moment you pick up the guitar, you feel quality craftsmanship at every touch.





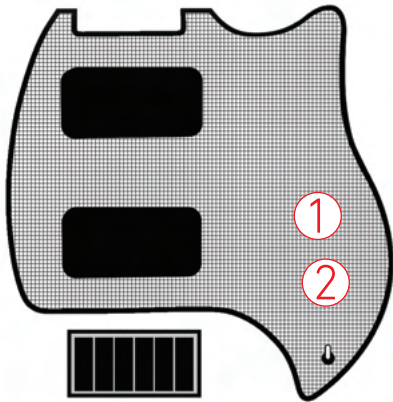
# Electric Guitar Pickups & Knob Functions

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## **KLÖS Custom Shop Blackout Pickups (Passive Humbuckers)**

These blackout pickups have a flavor of traditional humbuckers with a modern touch. These pickups produce an articulate sound with a responsive feel, and can easily handle a wide range of tone from clean and quiet, to aggressive drive. (Passive, meaning that they don't use a battery).





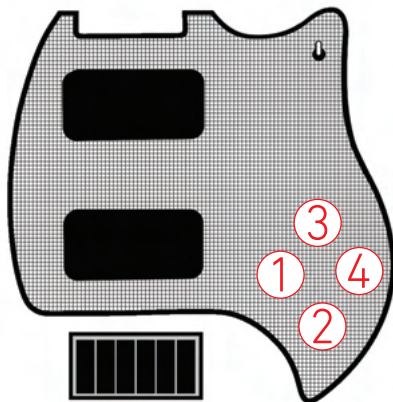
Knob 1: Master Volume

Knob 2: Master Tone

3-Way Switch:

Neck    Both    Bridge

←    ---    →



Knob 2: Neck Tone

Knob 3: Bridge Volume

Knob 4: Bridge Tone

3-Way Switch:

Neck    Both    Bridge

←    ---    →

## **Fishman Fluence Classic Humbucker Voicings**

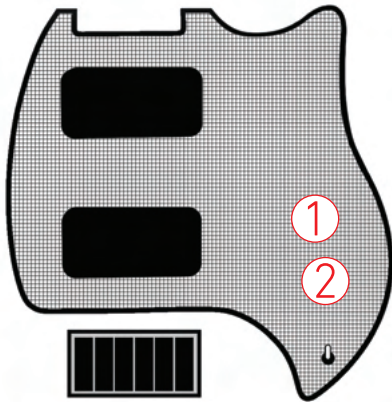
### **Fishman** Fluence Classic Humbucker **Neck** Voicings:

- Voice 1 (Vintage PAF): The ideal, elusive vintage PAF tone.
- Voice 2 (Clear, airy chime): unreal highs, vocal midrange, tight lows.
- Voice 3 (Clear, Vintage Single Coil): Vintage tone, clear and warm.

### **Fishman** Fluence Classic Humbucker **Bridge** Voicings:

- Voice 1 (Vintage PAF): The ideal, calibrated vintage PAF tone.
- Voice 2 (Classic Hot Rod): The quintessential hot rodded tone.
- Voice 3 (Slightly Overwound Single Coil): Beefy with the “strattiness” we all love.

\*Fishman and other pickups that use a battery should never be left plugged in, because it will drain the battery.



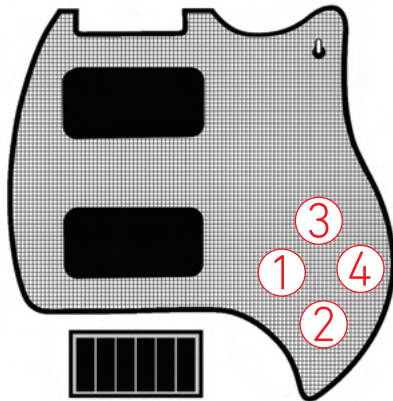
Knob 1: Master Volume (pull for single coil)

Knob 2: Master Tone (pull for voice 2)

3-Way Switch:

Neck    Both    Bridge

←        ---        →



Knob 1: Neck Volume

Knob 2: Neck Tone (pull for voice 2)

Knob 3: Bridge Volume

Knob 4: Bridge Tone (pull for single coil)

3-Way Switch:

Neck    Both    Bridge

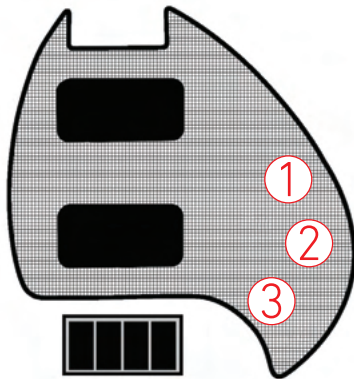
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# Bass Guitar Pickups & Knob Functions

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## KLÖS Custom Shop Blackout Pickups (Passive Humbuckers)

These blackout pickups have a flavor of traditional humbuckers with a modern touch. These pickups produce an articulate sound with a responsive feel, and can easily handle a wide range of tone from clean and quiet, to aggressive drive. (Passive, meaning that they don't use a battery).

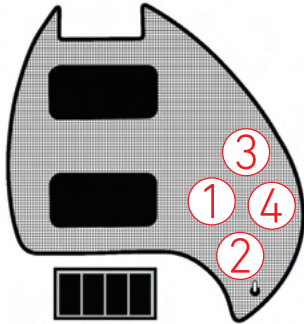


Knob 1: Neck Volume  
Knob 2: Bridge Volume  
Knob 3: Master Tone



## Fishman Fluence Bass Soapbar Pickup Voicings

- Voice 1 (Passive): Classic, fat and round (3 way switch, up)
- Voice 2 (Active): Full frequency, full dynamics (3 way switch, middle)
- Voice 2 (Active with mid contour): Funk, Hi-Fi scooped (3 way switch, down)
- Single Coil Mode (push pull Volume knob): Same voices as above but with Jazz Bass string window



Knob 1: Master Volume (pull for single coil)

Knob 2: Pickup Blend

Knob 3: Bass Boost/Cut

Knob 4: Treble Boost/Cut

3-Way Switch (Voice Selector)

\*Fishman and other pickups that use a battery should never be left plugged in, because it will drain the battery.


# Contact Us


Thank you for your support in making our dream a reality! Feel free to contact us with any questions you may have.


Please help us spread the word about KLÖS by leaving a positive review and sharing a post on social media. Additionally, let us know if you know of any musicians or retail stores that might be interested in our guitars.


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 KLÖS Guitars


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
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