

the bottom of the string and the top of the 8th fret. Sight down the edge of the fingerboard from behind the headstock, looking toward the body of the instrument. If the neck is too concave (action too high), turn the truss rod nut clockwise to remove excess relief. If the neck is too convex (strings too close to the fingerboard), turn the truss rod nut counter-clockwise to allow the string tension to pull more relief into the neck. Check your tuning, then re-check the gap with the feeler gauge and re-adjust as needed. **Note:** If you find you are meeting excessive resistance when adjusting the truss rod, if your instrument constantly needs adjustment, if adjusting the truss rod has no effect on the neck, or if you do not comfortable making this type of adjustment yourself, take your instrument to your Xotic Authorized Dealer or to a repair person.



FINISH:

Xotic's polyurethane finish can expand or contract to adjust to extreme temperatures and humidity—but not to sudden changes in temperature or humidity. If a bass has been sitting in a cold area in wintertime, gradually let it warm up inside the case before opening.

Rain: Water wipes off the instrument's finish easily, but if allowed to remain, it can cause ugly water spots in the finish.

Sun: Avoid direct rays of the sun on your guitar - direct sunlight can blister or discolor the finish.

WARRANTY:

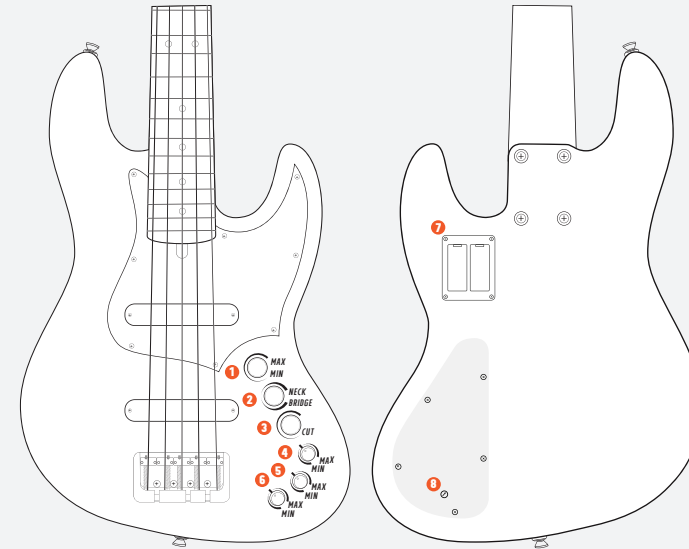
Our products are warranted against failures due to defective parts or faulty workmanship for a period of one(1) year after delivery to the original owner. During this one (1) year period, we, Xotic, will make any necessary repairs without charge for parts and labor. However, shipping charges to and from the repair location must be paid by the owner.

- This warranty applies only to the original owner and is not transferable.
- This warranty does not cover damage to the product as a result from accident or misuse.
- This warranty will be canceled at the sole discretion of us if the product has:
 1. Any signs of tampering, unauthorized service, or modifications.
 2. Any damage resulting from physical abuse or failure to follow operating warning.

Please contact us prior to returning the unit to us for repair at support@xotic.us.

IMPORTANT: To obtain warranty service, it is imperative that you provide a copy of the original receipt. If you do not provide a receipt, you are responsible for all repair and shipping charges. The warranty does not cover shipping costs.

CONTROLS GUIDE:



1. **Master Volume:** Push for Active, pull for Passive.
2. **Balance Control:** For neck and bridge pickups
3. **Tone Control**
4. **Bass EQ**
5. **Mids EQ**
6. **Treble EQ**
7. **Battery pack:** Accepts two 9v batteries
8. **Preamp Gain Control**

Xotic Guitars
CALIFORNIA

14920 Calvert Street, Van Nuys, CA 91411
xotic.us

Xotic Guitars
CALIFORNIA

Xotic Pro Vintage Series
Owner's Manual



Congratulations on your new Xotic Bass Guitar!

We take pride in building great instruments. Please take time to read this owner's manual as it will guide you through some basic adjustment techniques that will keep your instrument working great for years.

IMPORTANT:

- Keep in mind that a guitar is made of wood and exposure to various temperatures and humidity levels will affect the factory setup. Climate conditions at every point of the guitar's travel to you may have an effect on its factory setup specs.
- If you plan to change string gauges, you may need to adjust the specs somewhat to compensate for the changes in string sizes.
- This manual will show you the basics of set up, adjusting and maintaining your guitar so it plays the way that you like. If you do not feel comfortable performing these adjustments, please take it to an authorized Xotic repair center.

BATTERY REPLACEMENT IN XOTIC BASS GUITARS:

Xotic basses have an active/passive switch to switch between "active & passive" modes. This can be adjusted by pulling or pressing on the master volume knob. The active electronics consist of an 18-volt (two-battery) system. Typical battery life is approximately 600 hours of playing time. As your batteries lose their power, the voltage supplied to the preamp will also drop, which will result in distortion and noise in the signal. When distortion and noise occur in your signal, it's your cue that the batteries must be changed for the instrument to operate correctly. Always replace both batteries at the same time as mismatched voltages may adversely affect the performance of the preamp. To maximize battery life, unplug your cable from the bass when not playing the instrument.



STRING REPLACEMENT:

Changing strings is a matter of personal preference - strings will deteriorate over time - additionally, dirt and oil from your hands build up on your strings, causing them to tarnish, buzz or inaccurate pitch. Replace the strings whenever your strings do not stay in tune, your guitar tone sounds "dull" or your strings begin to rust or become discolored. We recommend that you replace all of the strings as a set at the same time. Additionally, the strings should be replaced one by one instead of removing all the strings at once. This is done to avoid

stress on the neck. Your Xotic bass will sound best with new strings.

Strings attach to the body at the bridge and to the headstock at the tuning machines. Start by pulling each string through the bridge, over the nut and past the corresponding tuning machine post, with enough extra length to allow a minimum of three winds around it. Mark that point on the string. With wire cutters, crimp the string over at a 45-degree angle one inch before the mark, then clip off the excess at the mark.

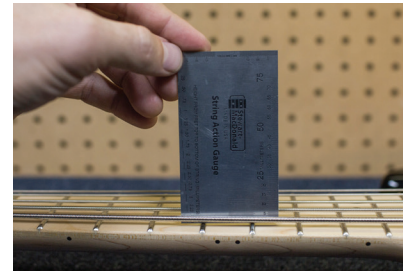
Next, place the end of the string all the way down in the hole in the center of the tuning machine post and bend the string over in the slot. Wind the tuning key to tighten the string to pitch while holding the loose end of the string in place with your other hand.



Make sure that the string does not overlap itself and is wound from the top down to the base of the tuning machine shaft, to insure the string is seated properly on the nut with the most acute break angle possible.

STRING PITCH ADJUSTMENT:

Also called "string action" is usually set by how the player prefers - either "low or high". This will depend on a player's style, string gauge and pick attack. Also some players prefer fret buzz while some do not. By raising or lowering the 5 individual bridge saddles you can adjust the height of the string in relation to the fretboard (use allen-wrench provided).



String	Height
G	0.0065"
D	0.07"
A	0.075-0.08"
E	0.085-0.09"
B	0.095-0.105"

figure 1 - String height at 12th fret

The bass guitar should be tuned to pitch so the neck has the proper amount of tension. To raise the strings turn the screws clockwise. To lower the strings turn the screws counter clockwise. Place a capo on fret 1 and then use a ruler to measure the gap between the strings and the frets at fret 12. See

figure 1 for recommended string height at 12th fret (distance between top of the fret to the bottom of the string).



INTONATION:

Intonation is the tune or pitch of your guitar strings as you move up the fretboard. The intonation can be set on your bass guitar to make the second octave (the 12th fret and above) stay closely in tune with the first octave. The way to adjust guitar intonation is to shorten or lengthen the scale length of each individual string. Use a high quality tuner and tune all of your strings at the harmonic on the 12th fret: B E A D G. It is very important that you use a high quality tuner. You will be adjusting the intonation in very slight increments and you want to be as accurate as possible. Once the strings are in tune, you can place your finger on the 12th fret and pluck the string. Your harmonic on the 12th fret and the fretted note on the 12th fret should both play a the same note--neither sharp nor flat. You can adjust the intonation of the 12th fret by compensating the scale length. You move the saddles with an adjustment screw (in this case, a Phillips head screw) until the note at the 12th fret and the open string are the same.



PICKUP HEIGHT ADJUSTMENT:

The pickup height on each Xotic Bass guitar is set to our standards at our shop (see figure 2), however, they can be adjusted. The height of the pickup can be adjusted by the two screws at either end of the pickup. After you set your desired string height, fret your strings at the highest position to check your pickup height (distance between top of the pickup and bottom of the string.)

String	Neck Height	Bridge Height
G	0.07"	0.065"
B	0.08"	0.075"

figure 2 - Pickup height measurements

TRUSS ROD ADJUSTMENT:

Xotic basses are equipped with a standard truss rod that can be adjusted using a allen wrench in the heel of your neck. First, check your tuning. Affix a capo at the first fret and depress the fifth string at the last fret. With a feeler gauge, check the gap between