



Hotic Guitars

CALIFORNIA

XTC & XTC E-STYLE
USER MANUAL

Congratulations on your new Xotic Guitar!

We take pride in building this guitar for you to enjoy. Please take time to read this owners manual as it will guide you through some basic adjustments and answer questions that will keep your guitar working great for years.

IMPORTANT:

- Keep in mind that a guitar is made of wood. 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 introduce you to setting 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 your guitar to an authorized Xotic repair center.

INTONATION:

Intonation is defined as the pitch of your guitar strings as you move up the fretboard. You can set you guitar's intonation by making the second octave (the 12th fret and above) stay in tune with the first octave. The way this is done is by shortening or lengthening the length of the string. **To intonate your guitar:**

1. Use a high quality tuner and tune all of your strings at the harmonic on the 12th fret: E A D G B E. Adjust the tuning pegs slowly to be as accurate as possible.
2. 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 the same note - neither sharp nor flat.

You can adjust the intonation of the 12th fret by adjusting the scale length. To do this, 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.

LOCKING TUNERS:

To remove the string:

1. Place a coin or screw driver in the front notch of the tuning peg slot. Loosen the string by turning the peg counter clockwise until the string is loose, but not fully unwound.
2. While holding the coin firmly to keep the locking tuner static, continue loosening the string by turning the tuning peg clockwise with the other hand until the string releases.



To string the guitar:

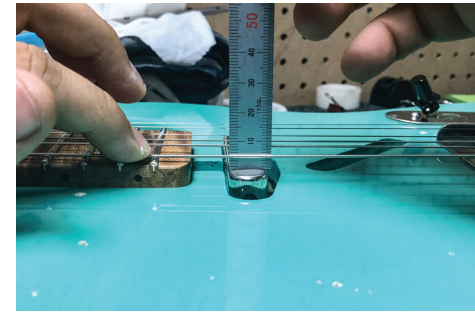
1. Pull the new string through the locknut and turn the tuning peg while using the other hand to hold the string keeping the lock nut static. Note: Do not lock the string forcibly.
2. Trim the excess string.

PICKUP HEIGHT:

The pickup heights on each Xotic guitar is set to our standards at our shop; however, they can be adjusted. To adjust the pickup height: turn the two screws at either end of the pickup (3 screws for the bridge and two screws for the neck under the pickguard). After you set your desired string height, fret your strings at the highest position to check your pickup height - Distance between top of the polepiece (High E and Low E) and bottom of the strings.

NECK RELIEF:

To measure neck relief you will need a capo and a feeler gauge. Place a capo on the first fret. With the low E string depressed at the last fret, use the feeler gauge and measure the gap between the bottom of the string and the top of the eighth fret (measuring from fret wire itself, not the fingerboard), which is where the curvature should be deepest.



TRUSS ROD ADJUSTMENT:

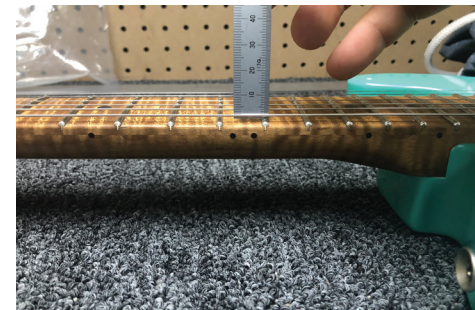
Please note: we **DO NOT** recommend that you perform this task but, instead, take it to an authorized repair person. Broken truss rods are not covered under warranty. **To adjust the truss rod:**

1. Remove the pickguard.
2. With a truss rod tele crank, tighten or loosen the truss rod as needed.
3. You may need to re-adjust saddles once truss rod is adjusted.



STRING HEIGHT:

To measure string height (the height of the string above the fret) place your feeler gauge along the top of the frets. The string height markings are at



increments of .010" (ten thousandths of an inch). When the bottom of a mark aligns with the bottom of the string, that measurement is the string height at that point. Note: Each marking on the gauge is .005" thick. This is why string scale measurements are in .005" increments. **To adjust saddle height:**

1. Tune the guitar to pitch.
2. Measure the action at the 12th fret using an action gauge or precision metal ruler.
3. Setting individual string height by adjusting the saddles (using allen key 1/20inch or 1.27mm).
4. Beginning with the 1st string, turn the height adjustment screws located on either side of the saddle to raise or lower the string to your preferred height (see photo). String height is different for each player, so this measurement will vary according to your technique and string gauge. After each adjustment, retune the string you're working on and re-measure the action at the 12th fret.
5. Repeat this process for each string until you have the action where you want it. The goal is to keep an even arc across all six strings that matches the radius of your particular fretboard.

TONE CONTROLS:

The Xotic XTC-1 is equipped with 1 volume knob and 1 tone knob along with a 3 position pickup selector switch.

3 WAY PICKUP SWITCH:

The pickup switch controls which pickups or which combinations of pickups are on at any given time.

XTC series switch function:

Position 1 (down): Bridge pickup only.

Position 2 (middle): Middle pickup and neck pickup together (Hum cancelling).

Position 3 (up): Neck pickup only.

XTC E-Style switch function:

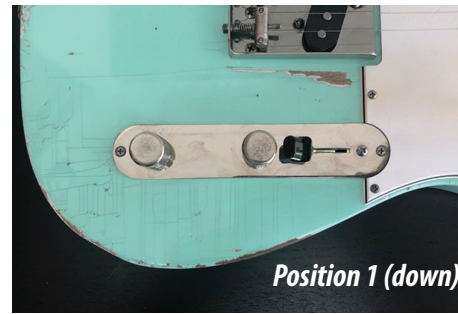
Position 1 (down):

Bridge pickup + tone pot bypass

Position 2: (middle)

Bridge pickup + tone and volume (as normal)

Position 3 (up): Bridge pickup + tone pot bypass + mud circuit



FINISH:

All Xotic guitars are finished with a very thin coat a high quality, period accurate nitrocellulose lacquer. Similar to authentic vintage guitars, Xotic guitars are also subject to changes in texture (checking) and color over time. This is natural and should be expected, but here are some pointers to keep your guitar from aging too quickly.

1. Avoid alcohol based cleaning products.
2. Avoid prolonged exposure to sunlight.
3. Wipe down the guitar after playing.
4. When traveling, keep the guitar in the case until it has normalized to room temperature.

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:

- Any signs of tampering, unauthorized service, or

modifications.

- Any damage resulting from physical abuse or failure to follow operating warning.

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.

14920 Calvert St. Van Nuys, CA 91411
xotic.us - support@xotic.us