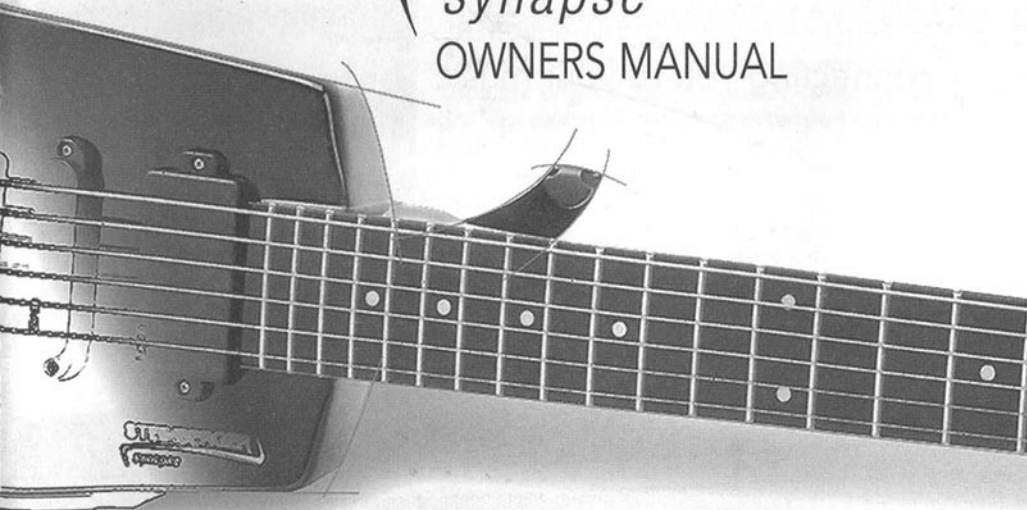


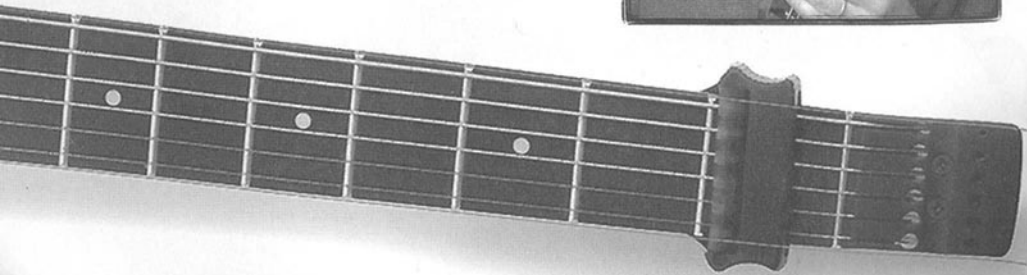
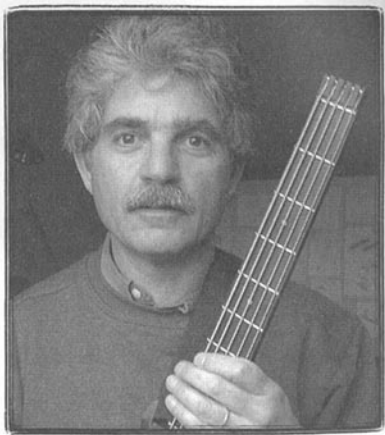
# STEINBERGER<sup>TM</sup>

*synapse*

OWNERS MANUAL



connecting you to your music



Since the introduction of the first Steinberger instruments in 1980, the Steinberger name has become synonymous with evolution, innovation, ergonomics and performance. The new Synapse line continues that tradition. In the words of Ned Steinberger himself...

*"The Synapse guitar incorporates all the tweaks and improvements that have been brewing in my mind ever since the original Steinberger GL-series guitar went into production over 20 years ago. For example, the strap extension balances the instrument perfectly, and the back curve fits comfortably against your body with just enough inward tilt so the fingerboard remains visible. The Synapse body is just a bit larger for a less radical feel and look than the super-compact L-series. The head-piece has built-in string clamps so any double ball or conventional single ball strings can be used. And the TranScale neck, in combination with the piezo bridge pickup, opens up a whole new world of voicing options. I hope your choice to play a Synapse guitar will be as rewarding for you as it has been for me to design it!"*

Thanks for choosing Steinberger.

Sincerely,  
Ned Steinberger

# Synapse TranScale™ Overview

**CybroSonic™ Technology:** Combines our patented the Steinberger Graphite U-channel with a truss rod to create an ultra-stable yet adjustable "hybrid" neck with the same definition, clarity and focus you've come to expect from Steinberger but with the added "warmth" of a 1-piece hard maple neck.

**Combo™ Headpiece:** The functional advantage of Steinberger's headless concept dramatically improves balance, ease of tuning and tuning stability. All Steinberger guitars feature the patented Double-Ball™ tuning system that allows string changes in seconds. The Combo Headpiece accommodates both Double-Ball and single-ball strings.

**Phenolic Fingerboard:** Much harder and more durable than wood, this ultra-stable composite material works in conjunction with our CybroSonic technology to give the Synapse guitar consistent feel and sustain as well as brilliant harmonics with no dead spots. Each note seems to jump off the fingerboard for that dynamic "live" quality that identifies the Steinberger sound.

**TranScale™ Integrated Capo (TranScale Only):** Another first from Steinberger. With the patented TranScale Capo in the "resting" position, the Synapse is a 28.5" scale guitar with thundering bass and complex baritone voicings. Roll the Capo up and you

can change scale length "on the fly" creating completely new and unique voicings and tonal qualities. Experiment with different string gauges for even more possibilities.

**Strap Hook:** At Steinberger, we believe that the instrument should never get in the way of your musical expression. The patented strap hook allows the Synapse to hang in the optimum position on your body while maintaining perfect balance.

**Custom Active Electronics:** Developed in cooperation with EMG, the Synapse combines EMG-81 and EMG-85 Low-Z pickups with an active EQ system available only on Synapse guitars. The results are clean, warm and powerful sound with full band frequency response that compliments the natural brilliance and clarity of the Synapse. High signal-to-noise ratio (-85dB) makes them hum-free which is especially important in today's recording environment.

- **Master Volume**
- **Magnetic/Piezo Blend with center detent**
- **Hi-Band EQ with center "flat" detent**
- **Low-Band EQ with center "flat" detent**
- **3-Way Pickup Selector**
  - **Forward - EMG-85 Neck Pickup**
  - **Middle - EMG-85 + EMG-81 Pickups**
  - **Back - EMG-81 Bridge Pickup**

**Steinberger Piezo Saddle (TranScale Only):** Designed and patented by Steinberger, the bridge features a simple yet innovative under-saddle piezo pickup with 3 separate ceramic crystals for even string response and true acoustic tone. Combined with the magnetic pickups and custom active electronics, your TranScale can produce deep, growling harmonic "pings" to shimmering acoustic-like chimes and everything in-between.

- **Optional:** Your TranScale comes equipped with an Ebony saddle. As an option, change the saddle to either Steel (part #SPZ-103) or Graphite (part #SPZ-104) and experiment with different tonal properties.

**Patented 40:1 Direct-Drive Double-Ball Bridge:** Tune it up once and don't tune it again until you change strings. Providing micrometer precision and stability, this revolutionary advance over traditional tuning methods allows string changes in seconds with no winding or cutting. Just insert the ball ends and tune it up.

**Recessed Tool Holder:** Conveniently located under the bridge, this innovation keeps the necessary tools with your Synapse and always within reach. Use the tools to adjust intonation and string height as well as to secure single-ball strings.

**Recessed Output Jack (TranScale Only):** The rear output jack conveniently tucks your guitar cable out of the way of your performance and out of sight of your audience.

**Pop-Up Battery Compartment :** Located and recessed on the back of your Synapse is the battery compartment housing a standard 9V battery. By flipping the lever locat-

ed on the top, the compartment will open allowing for quick and easy battery changes.

**Fold-Down Leg Rest:** Another patented Steinberger innovation! Only 1/4" thick when folded, the permanently attached leg rest snaps out instantly to provide exceptional comfort and balance when playing your Synapse in the seated position.

**Adjustable Pickup Stabilizers™:** Like other pickup mounting methods, Synapse pickup Stabilizers allow you to raise and lower pickups to the optimum height. But unlike others, Steinberger Stabilizers keep the pickups parallel to the strings and don't allow the pickups to inadvertently tilt from side to side. They also add a clean, uncluttered look to the Synapse.

**Zero-Fret:** By using a "zero-fret" instead of a traditional nut, intonation is improved. It also allows for use of varied string gauges because there is no nut slot to widen. Action at the 1st fret and beyond is more consistent and improved as well.

## Synapse™ Overview

**CybroSonic™ Technology:** Combines our patented Steinberger Graphite U-channel with a truss rod to create an ultra-stable yet adjustable "hybrid" neck with the same definition, clarity and focus you've come to expect from Steinberger but with the added "warmth" of a 1-piece hard maple neck.

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**Strap Hook:** At Steinberger, we believe that the instrument should never get in the way of your musical expression. The patented strap hook allows the Synapse to hang in the optimum position on your body while maintaining perfect balance.

**Active EMG Pickups:** Featuring the EMG-81 and the EMG-85, these Low-Z pickups offer wide frequency response and full-on rock tone. High signal-to-noise ratio (-85dB) makes them hum-free. As with all EMG pickups, they feature the 5-wire quik-connect output for any number of wiring combinations.

- **Master Volume**
- **3-Way Pickup Selector**
- **Forward - SSR Neck Pickup**



- **Forward - EMG-85 Neck Pickup**
- **Middle - EMG-85 + EMG-81 Pickups**
- **Back - EMG-81 Bridge Pickup**
- **Master Tone**

**Patented 40:1 Direct-Drive Double-Ball Bridge:** Tune it up once and don't tune it again until you change strings. Providing micrometer precision and stability, this revolutionary advance over traditional tuning methods allows string changes in seconds with no winding or cutting. Just insert the ball ends and tune it up.

**Recessed Tool Holder:** Conveniently located under the bridge, this innovation keeps the necessary tools with your Synapse and always within reach. Use the tools to adjust intonation and string height as well as to secure single-ball strings.

**Pop-Up Battery Compartment :** Located and recessed on the back of your Synapse is the battery compartment housing a standard 9V battery. By flipping the lever located on the top, the compartment will open allowing for quick and easy battery changes.

**Fold-Down Leg Rest:** Another patented Steinberger innovation! Only 1/4" thick when folded, the permanently attached leg rest snaps out instantly to provide exceptional comfort and balance when playing your Synapse in the seated position.

**Adjustable Pickup Stabilizers™:** Like other pickup mounting methods, Synapse pickup Stabilizers allow you to raise and lower pickups to the optimum height. But unlike

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## Synapse™ Bass Guitar Overview

**CybroSonic™ Technology:** Combines our patented Steinberger Graphite U-channel with a truss rod to create an ultra-stable yet adjustable "hybrid" neck with the same definition, clarity and focus you've come to expect from Steinberger but with the added "warmth" of a 1-piece hard maple neck.

**Combo™ Headpiece:** The functional advantage of Steinberger's headless concept dramatically improves balance, ease of tuning and tuning stability. All Steinberger guitars feature the patented Double-Ball™ tuning system that allows string changes in seconds. The Combo Headpiece accommodates both Double-Ball and single-ball strings.

**Phenolic Fingerboard:** Much harder and more durable than wood, this ultra-stable

composite material works in conjunction with our CybroSonic technology to give the Synapse guitar consistent feel and sustain as well as brilliant harmonics with no dead spots. Each note seems to jump off the fingerboard for that dynamic “live” quality that identifies the Steinberger sound.

**Strap Hook:** At Steinberger, we believe that the instrument should never get in the way of your musical expression. The patented strap hook allows the Synapse to hang in the optimum position on your body while maintaining perfect balance.

**Custom Active Electronics:** Developed in cooperation with EMG, the Synapse combines an EMG-40P5 Low-Z pickup with an active EQ system available only on Synapse guitars. The results are clean, warm and powerful sound with full band frequency response that compliments the natural brilliance and clarity of the Synapse. High signal-to-noise ratio (-85dB) makes them hum-free which is especially important in today's recording environment.

- **Master Volume**
- **Magnetic/Piezo Blend with center detent**
- **Hi-Band EQ with center “flat” detent**
- **Low-Band EQ with center “flat” detent**

**Patented 40:1 Direct-Drive Double-Ball Bridge:** Tune it up once and don't tune it again until you change strings. Providing micrometer precision and stability, this revolutionary advance over traditional tuning methods allows string changes in

seconds with no winding or cutting. Just insert the ball ends and tune it up.

**Recessed Tool Holder:** Conveniently located under the bridge, this innovation keeps the necessary tools with your Synapse and always within reach. Use the tools to adjust intonation and string height as well as to secure single-ball strings.

**Pop-Up Battery Compartment :** Located and recessed on the back of your Synapse is the battery compartment housing a standard 9V battery. By flipping the lever located on the top, the compartment will open allowing for quick and easy battery changes

**Fold-Down Leg Rest:** Another patented Steinberger innovation! Only 1/4" thick when folded, the permanently attached leg rest snaps out instantly to provide exceptional comfort and balance when playing your Synapse in the seated position.

**Adjustable Pickup Stabilizers™:** Like other pickup mounting methods, Synapse pick-up Stabilizers allow you to raise and lower pickups to the optimum height. But unlike others, Steinberger Stabilizers keep the pickups parallel to the strings and don't allow the pickups to inadvertently tilt from side to side. They also add a clean, uncluttered look to the Synapse.

**Zero-Fret:** By using a "zero-fret" instead of a traditional nut, intonation is improved. It also allows for use of varied string gauges because there is no nut slot to widen. Action at the 1st fret and beyond is more consistent and improved as well.

# Tuning and Re-Stringing Your Steinberger Synapse Guitar

**1.** Turn the tuning knobs on the back of the bridge clockwise to tighten, counterclockwise to loosen. Because they are precision, direct-drive 40:1 ratio, only a small turn is necessary to effect pitch. Plus, there is no nut or stationary saddle for the string to get “hung-up” on. As a result, tuning is effortless, dead-on accurate and ultra-stable.

**2.** As with all Steinberger guitars, your new Synapse guitar is designed to be used with Steinberger Double-Ball™ strings. Unlike regular guitar strings with a single ball on one end, Double-Ball strings have a ball on each end and are made to a precise length so no cutting is necessary. We strongly recommend that you use official Steinberger Double-Ball strings when replacing your strings on your Steinberger instrument. Steinberger strings meet our exact specifications and will allow you to take full

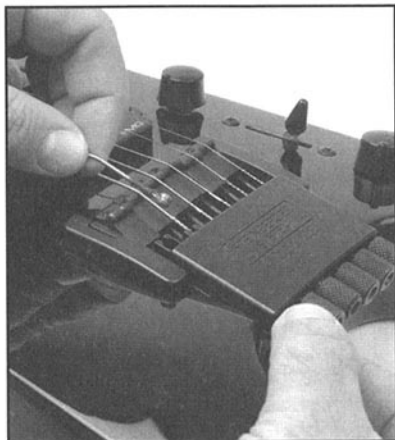
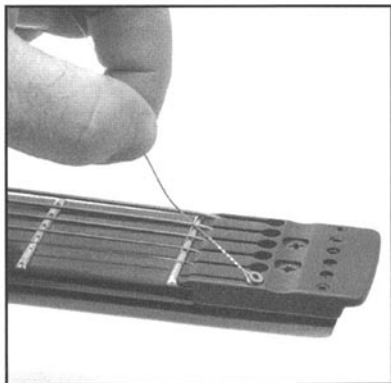


Figure 1



**Figure 2**

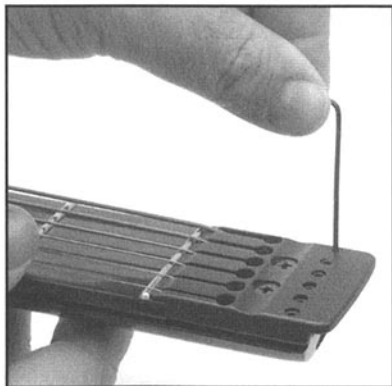
and can be removed. Do not loosen beyond this point. Remove the ball from the saddle jaw (Figure 1). Remove the ball end of the string at the headpiece end by lifting out of slot (Figure 2).

- To install strings, start by putting the ball end into the headpiece **first** (small ball on bass), - (Figure 2) then drop the other ball into the tuner

advantage of the superior performance and benefits of the patented Steinberger tuning system. Steinberger string part numbers and information can be found in the back of this user's manual.

### **3. To re-string using Double-Ball strings...**

- To remove strings, turn tuning knob counter-clockwise until the string ball is fully visible



**Figure 3**

jaws. Tighten tuning knob until proper pitch is achieved. Stretch string and retune. (Figure 1)

#### 4. To re-string using single-ball strings...

- To remove strings, turn tuning knob counter-clockwise until the string ball is fully visible and can be removed. Do not loosen beyond this point. Remove the ball from the saddle jaw (Figure 1). Using the Hex wrench provided, loosen the corresponding Hex screw at the headpiece until you can pull string out of its slot. (Figure 3).

- To install strings, start by putting the ball end into the bridge tuner jaw. Keeping the ball in the jaw, insert the non-ball end through the corresponding headpiece slot and out the back of the headpiece. (Figure 4) Making sure that the ball-end is still in the jaw and that the string is aligned in the corresponding saddle, pull the string end tight as you tighten down the Hex screw. (Tighten Hex screw firmly but do not over tighten as it may damage Hex screw.) Tighten tuning knob and check for any string slippage. If slippage occurs, tighten headpiece Hex screw a little more. Cut used portion of string behind headpiece using wire cutters.

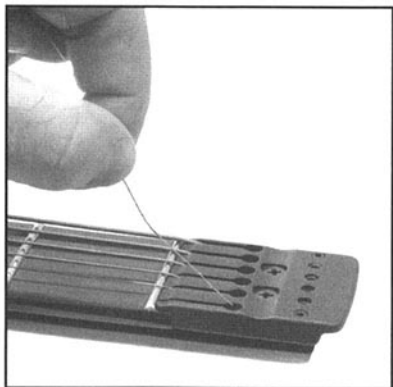


Figure 4

# Setting Up Your Synapse Guitar

1. If you are NOT familiar with setting-up instruments, you should NOT attempt to do this yourself. YOU should contact a **qualified guitar technician** for assistance.

2. Your Synapse guitar is set-up prior to leaving Steinberger. Typically, you will only need to set-up your guitar again under the following conditions:

- You prefer your string height (action) higher or lower than originally set by the factory.
- You decide to install string gauges that are different from those originally installed at the factory. The strings installed at the factory are:

• <b>TranScale 6-String Guitar - LIGHT BARITONE</b>	<b>SST-102</b>
• <b>6-String Guitar - STANDARD</b>	<b>SST-105</b>
• <b>4-String Bass Guitar - LIGHT</b>	<b>SST-108</b>
• <b>5-String Bass Guitar - Low B</b>	<b>SST-111</b>

- Your guitar has been subjected to significant environmental changes.
- Your guitar is 6-months old or more. *(Note: As with any guitar, due to small changes and movement that can occur in new instruments, a 6-month tune-up is recommended. Therefore, we recommend that after about 6-months of continuous use, you have your guitar set-up by a professional technician.)*

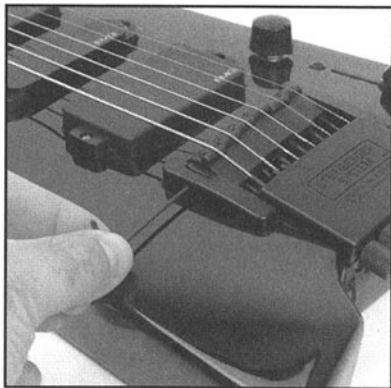


**3.** To set the action (string height) of your Synapse guitar...

- Loosen the set screw on side of bridge (*Figure 5*) with the Hex wrench provided. This will un-lock the saddles.
- Using the Hex wrench, adjust the saddle set screws up and down to desired action height. (*Figure 6*)
- Tighten the set screw on side of bridge to lock. (*Figure 5*)

**4.** To set the intonation of your Synapse guitar...

- Loosen the set screw on side of the bridge (*Figure 5*). Adjust the saddle backward if intonation is high at 24th fret. Push the saddle forward (*toward the neck*) if intonation at 24th fret is low.
- Tighten the set screw on side of bridge to lock.



**Figure 5**

**5.** To set the action (string height) of your Synapse TranScale and Synapse Bass guitar equipped with piezo bridge...

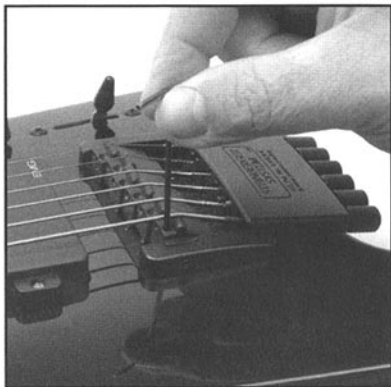


Figure 6

- Loosen the set screw on side of bridge (*Figure 5*) with the Hex wrench provided. This will un-lock the piezo equipped saddle base.
- Using the Hex wrench, adjust the saddle base set screws up and down to desired action height. (*Figure 6*) By adjusting the 3 set screws, you can change the angle of the saddle base and therefore, effect the string height.
- Tighten the set screw on side of bridge to lock. (*Figure 5*)

**6.** To set the intonation of your Synapse TranScale and Synapse Bass guitar equipped with piezo bridge...

- The piezo saddle is mounted in a slot that is shaped like a bow-tie. By rotating the saddle in the slot, intonation can be set.
- Loosen the strings so that the saddle can move freely.
- To set intonation there is a set screw on the neck side of the saddle base (*Figure 7*) Loosen or tighten the set screw to move the saddle in either direction. Rotate the saddle backward if intonation is

high at 24th fret. Rotate the saddle forward (toward the neck)  
if intonation at 24th fret is low.

- Re-tune and check intonation.

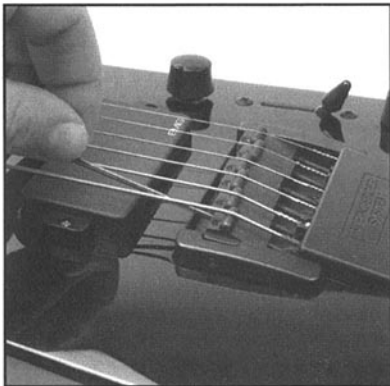


Figure 7

**7.** To adjust the CybroSonic™ Technology (Graphite U-channel) equipped truss-rod...

**IMPORTANT** - If you are NOT a qualified guitar technician, we do NOT recommend you attempt truss rod adjustment yourself. Improper adjustment can lead to permanent damage and void your warranty. The truss rod adjustment can be both simple and complex at the same time. On the simple side, a minor adjustment to straighten a neck with too much concave bow or to relieve a convex bow is possibly all that is needed to make a dramatic improvement to your guitars playability. On the complex side, adjusting the rod alters other aspects of the set-up such as overall action, string height and intonation and **YOU CAN DAMAGE YOUR GUITAR**

**PERMANENTLY IF THE ADJUSTMENT IS NOT MADE CORRECTLY.** If you feel confident that you can make this adjustment... read on.

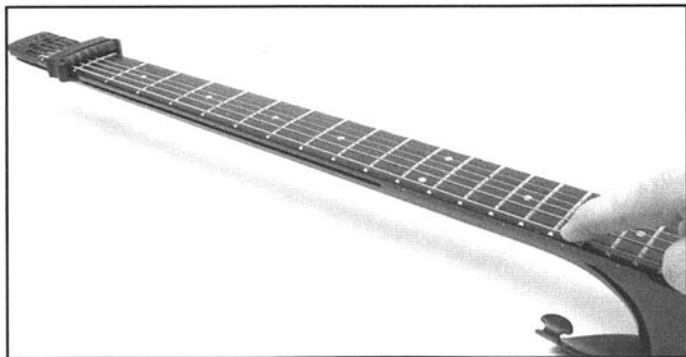


Figure 8

- The patented Steinberger CybroSonic™ technology system provides for an ultra-stable neck with a built-in optimum relief. Therefore, truss rod adjustment is rarely necessary. When needed however, it works like a standard guitar truss rod. However, due

to the rigidity of the graphite U-channel, neck movement is much less pronounced. Adjusting the truss rod nut also requires more effort.

- Place a capo at the first fret while press the low E string down at the 17th fret. (Figure 8)
- Look for a small gap of (approximately .010" or 0.25mm) between the top of the 7-9th fret and the underside of the string.
- If there is too much gap, the truss rod needs to be turned clockwise. (Figure 9)
- If there is not enough gap, the truss rod needs to be turned counter clockwise.

## TIPS:

- *Never force the adjustment if it feels tight.*
- *Make any adjustment in very small degrees at a time.*
- *Let the neck "settle" between adjustments.*

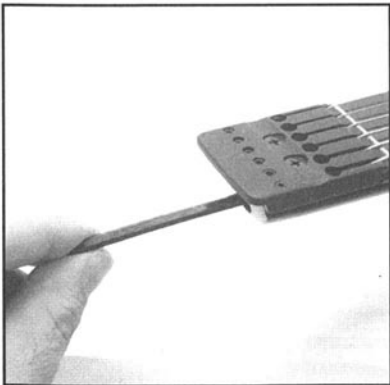


Figure 9

- *If you are not clear on these instructions, take your guitar to a qualified technician.*

# Synapse Guitar Controls & Electronics

## 1. Synapse guitar controls:

- **Master Volume**
- **3-Way Pickup Selector**
  - **Forward - EMG-85 Neck Pickup**
  - **Middle - EMG-85 + EMG-81 Pickups**
  - **Back - EMG-81 Bridge Pickup**
- **Master Tone**

## 2. Synapse TranScale guitar controls:

- **Master Volume**
- **Magnetic/Piezo Blend with center detent**
- **Rotate clockwise to increase magnetic pickup response.**  
**Rotate counter-clockwise to increase piezo pickup response.**
- **Hi-Band EQ with center "flat" detent**
- **Rotate clockwise to boost treble response.**  
**Rotate counter-clockwise to cut treble response.**
- **Low-Band EQ with center "flat" detent**
- **Rotate clockwise to boost bass response.**  
**Rotate counter-clockwise to cut bass response.**

- **3-Way Pickup Selector**
  - **Forward - EMG-85 Neck Pickup**
  - **Middle - EMG-85 + EMG-81 Pickups**
  - **Back - EMG-81 Bridge Pickup**

### **3. Synapse Bass guitar controls:**

- **Master Volume**
- **Magnetic/Piezo Blend with center detent**
- **Rotate clockwise to increase magnetic pickup response.**  
**Rotate counter-clockwise to increase piezo pickup response.**
- **Hi-Band EQ with center "flat" detent**
- **Rotate clockwise to boost treble response.**  
**Rotate counter-clockwise to cut treble response.**
- **Low-Band EQ with center "flat" detent**
- **Rotate clockwise to boost bass response.**  
**Rotate counter-clockwise to cut bass response.**

### **4. Synapse Guitar and Bass electronics:**

- Your TranScale guitar is equipped with ACTIVE electronics. This means that it requires power from a single 9 Volt battery. With two EMG Pickups installed, your instrument draws about 160 microamps of current. Even if you play eight hours a day, this small amount of current drain means that a

battery will last up to a year. Power to the pickups is turned off by unplugging the guitar cable from your instrument so to avoid unnecessary battery drain, unplug your guitar when not in use.

- Symptoms of a low-battery are unwanted distortion or no sound. If this occurs, unplug your guitar and open the battery compartment on the back of your Synapse guitar. (Figure 10) Remove the 9V battery and replace with a new one. Close cover.

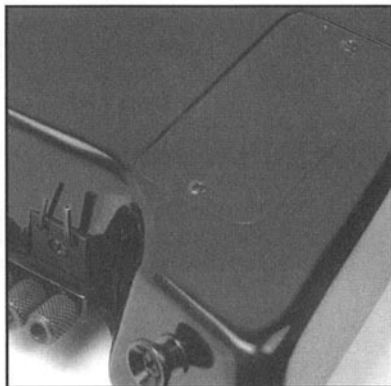


Figure 10

## Synapse TranScale Guitar Capo

**1.** Your Synapse TranScale guitar is equipped with a revolutionary integrated capo. By sliding the capo to various fret positions on the neck, you can create different scale or string lengths and tunings with ease.



2. In the "resting" position, the capo is positioned in the groove on the headpiece. (Figure 11) In this position, the capo is not in use.

3. To change scale, grab the capo by its protruding sides and slide it up the neck to the desired position. As with all capos, it is

important to position the capo as close to the fret wire as possible in order to create

adequate downward string angle and pressure to avoid string buzz. (Figure 12)

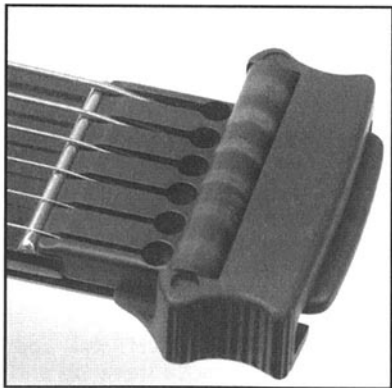


Figure 11

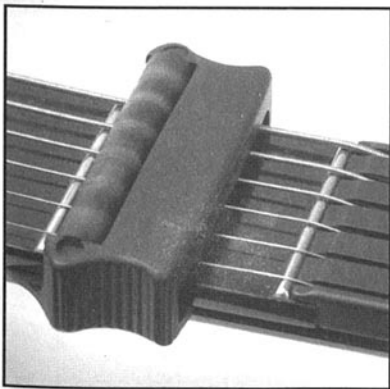


Figure 12

## TIPS:

- The downward pressure of your TranScale capo is preset at the factory and should not require additional adjustment. However, over time as the capo roller wears or if you change string gauges and instrument set-up, periodic adjustment might be necessary. To adjust the downward pressure of the capo, tighten or loosen the 2 Phillips head screws located on the back of the capo. (Figure 13)
  - **DO NOT OVER-TIGHTEN!** Too tight and the capo will not move freely up and down the neck and could also lead to damage or excessive wear. Too loose will cause unwanted string buzz. Somewhere in-between is "just right".
  - Under normal use, your capo will last a long time. However, should your capo roller become significantly worn such that it adversely effects performance, replacement rollers are available from Steinberger. (See the back of this user's manual for replacement part information.)
- 24 • As with any capo, aggressive bending of strings particularly at or near the capo'd fret

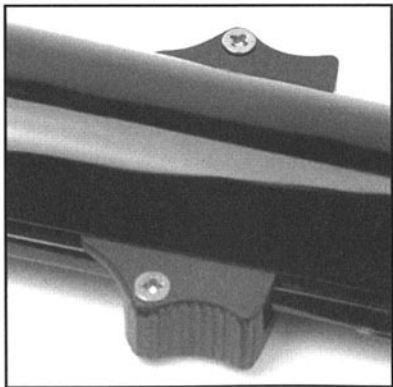


Figure 13

may cause the string to slip out of position under the capo. This is normal and can not be eliminated completely. However, it should not occur under normal use. If it does, try tightening the capo adjustment screws slightly but again - **DO NOT over tighten making the capo difficult to move up and down the neck.**

- The TranScale capo can be removed completely by sliding it off the end of the head piece. Complete replacement capos are also available should yours become lost or damaged. (*See the back of this user's manual for replacement part information.*)

# Synapse Accessory and Part Information

Below is a list of available Steinberger Synapse accessories and parts.

To find out how to purchase these, visit [www.Steinberger.com](http://www.Steinberger.com) or call **1-800-444-2766**.

## STRINGS

TranScale 6-String Guitar - LIGHT (.048w, .038w, .028w, .017, .013, .010)	SST-100
TranScale 6-String Guitar - STANDARD (.046w, .036w, .026w, .017, .013, .010)	SST-101
TranScale 6-String Guitar - LIGHT BARITONE (.068w, .052w, .038w, .022w, .016, .012)	SST-102
TranScale 6-String Guitar - STD BARITONE (.070w, .052w, .038w, .028w, .018, .014)	SST-103
6-String Guitar - LIGHT (.046w, .036w, .026w, .016, .011, .009)	SST-104
6-String Guitar - STANDARD (.046w, .036w, .026w, .017, .013, .010)	SST-105
TransTrem Calibrated 6-String Guitar - LIGHT (.046w, .036w, .026w, .016, .011, .009)	SST-106
TransTrem Calibrated 6-String Guitar - STD (.046w, .036w, .026w, .017, .013, .010)	SST-107
4-String Bass Guitar ñ LIGHT (.095, .075, .060, .040)	SST-108
4-String Bass Guitar ñ STANDARD (.105, .085, .065, .045)	SST-109
5-String Bass Guitar - High C (.105, .085, .065, .045, .029)	SST-110
5-String Bass Guitar - Low B (.128, .105, .085, .065, .045)	SST-111

### \*Note:

1. "TranScale 6-String Guitar" strings fit 28-5/8" scale Synapse TranScale guitars only.
2. "6-String Guitar" strings fit Steinberger USA, Synapse and Spirit by Steinberger guitars.

3. *“TransTrem Calibrated 6-String Guitar” strings are recommended for use on all TransTrem equipped models. All strings stretch at different rates. These special lengths are calibrated so that strings stay in better tune together on the TransTrem™. If all strings are the same length, they will not transpose well.*

## **CASE COLLECTION**

Synapse Guitar Gigbag (included with Synapse guitar)	SGB-100
Synapse TranScale Gigbag (included with Synapse guitar)	SGB-101
Synapse Bass Gigbag (included with Synapse guitar)	SGB-102
Synapse & TranScale Hard Case	SHC-100
Synapse Bass Hard Case	SHC-101

## **CAPO**

Guitar Trans Capo - Roller ONLY	SCA-100
Guitar Trans Capo - Complete AsseMbly	SCA-101
Guitar Trans Capo - Adjustment Screws (2)	SCA-102
Guitar Trans Capo - Adjustment Bushing w/ screws (2)	SCA-103
Bass Trans Capo - Roller ONLY	SCA-104
Bass Trans Capo - Complete AsseMbly	SCA-105
Bass Trans Capo - Adjustment Screws (2)	SCA-106
Bass Trans Capo - Adjustment Bushing w/ screws (2)	SCA-107

## **STRAP**

Guitar Synapse - Strap Hook w/ screws (2)	SSH-100
Bass Synapse - Strap Hook w/ screws (2)	SSH-101
All Synapse - Strap Button w/ Screw (1) & Washer (1)	SSB-100

## **KNOBS**

All Synapse - Large Knob (1)	SKB-100
All Synapse - Small Knobs (1)	SKB-101
Guitar Synapse - Slider Cap Black (1)	SKB-102

## **TOOLS**

All Synapse - Hex Wrench Set (2 - 1.5mm & 2.0mm)	SAW-100
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## **FIXED BRIDGE**

Guitar Synapse - Fixed Bridge w/ Hardware	SBR-100
Guitar Transcale - Fixed Bridge w/ Piezo Assembly & HW	SBR-101
Guitar Synapse - Fixed Bridge w/ Piezo Assembly & HW	SBR-102
All Synapse - Saddle Clamp Pad w/ Set Screw	SBR-103
Guitar Synapse Saddle - Saddle w/ screws (2) One Fits All	SBR-104
Bass Synapse Saddle - Saddle w/ screws (2) One Fits All	SBR-105
Guitar Synapse String Jaw - Jaw (1) One Fits All	SBR-106
Bass Synapse String Jaw - Jaw (1) One Fits All	SBR-107

## PICKUPS

Guitar Synapse Pickup - Neck Steinberger/EMG SSR (1)	SPU-100
Guitar Synapse Pickup - Bridge Steinberger/EMG SST (1)	SPU-101
Guitar TranScale Pickup - Neck EMG-85 (1)	SPU-102
Guitar TranScale Pickup - Bridge EMG-81 (1)	SPU-103
Bass Synapse Pickup - EMG 40P5 (1)	SPU-104
Guitar Synapse HB Stabilizers -Pickup Stabilizer Kit w/ Screws	SPU-105
Guitar Synapse SC Stabilizers -Pickup Stabilizer Kit w/ Screws	SPU-106

## ELECTRONICS

Guitar Synapse Harness - Pots (2) & Slider (1)	SEL-100
Guitar Trans Harness - Active PCB w/ Pots (4) & Toggle (1)	SEL-101
Bass Synapse Harness - Active PCB w/ Pots (4)	SEL-102
Guitar Synapse Control Cover - Black w/ screws (4)	SEL-103
Guitar Trans Control Cover - Black w/ screws (4)	SEL-104
Guitar Trans Battery Holder - With screws (4)	SEL-105
Bass Synapse Control Cover - Black w/ screws (4)	SEL-106

## HEADPIECE

Guitar Synapse Headpiece - Headpiece w/ screws (2)	SHP-100
Bass Synapse Headpiece - Headpiece w/ screws (2)	SHP-101

## **PIEZO**

Guitar Trans Piezo - Piezo AsseMbly w/ wiring	SPZ-100
Bass Synapse Piezo - Piezo AsseMbly w/ wiring	SPZ-101
Guitar Trans Saddle - Ebony	SPZ-102
Guitar Trans Saddle - Steel	SPZ-103
Guitar Trans Saddle - Graphite	SPZ-104
Bass Synapse Saddle - Ebony	SPZ-105
Bass Synapse Saddle - Steel	SPZ-106
Bass Synapse Saddle - Graphite	SPZ-107

## **MISC. HARDWARE**

Guitar Synapse Bridge Screw Kit - All Hex Screws (13)	MH-100
Guitar Trans Bridge Screw Kit - All Hex Screws (5)	MH-101
Bass Synapse Bridge Screw Kit - All Hex Screws (5)	SMH-102
Guitar Synapse Head Screw Kit - All Hex Screws (6-Dome Set Screw-4x0.7mm Thread)	SMH-103
Bass Synapse Head Screw Kit - All Hex Screws (5-Dome Set Screw-6x1mm Thread x 6mm)	SMH-104



# Steinberger Synapse Limited Lifetime Warranty

This new Steinberger instrument is warranted to be free from defects in materials and workmanship for the life of this instrument, subject to the limitations contained in this warranty.

If at any time this Steinberger instrument malfunctions as a result of faulty materials or workmanship, Steinberger will repair the defect(s) or replace the instrument, as it deems appropriate at its sole discretion. Steinberger reserves the right to use materials regularly utilized at the time of repair in the event that original materials are no longer available. If replacement of your instrument is deemed appropriate by our staff, Steinberger will replace the instrument with one of the same or most similar style of a value not in excess of the original purchase price of your instrument.

In the unlikely event that your instrument is destroyed, lost or damaged beyond repair, while in the possession of Steinberger for repair, Steinberger will replace that instrument with one of the same or most similar style of a value not in excess of the original purchase price of your instrument. Any insurance covering the instrument, including but not limited to collector's value insurance, must be carried by owner at owner's expense.

THIS WARRANTY IS 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 HEREUNDER, YOU MUST RETURN YOUR WARRANTY REGISTRATION CARD OR REGISTER ON-LINE AT [WWW.STEINBERGER.COM](http://WWW.STEINBERGER.COM) WITHIN FIFTEEN (15) DAYS FOLLOWING THE ORIGINAL DATE OF PURCHASE. YOUR PROOF OF PURCHASE OR SALES RECEIPT MUST ACCOMPANY ALL REQUESTS FOR WARRANTY COVERAGE.

### ***This Warranty Is Subject To The Following Limitations***

#### **THIS WARRANTY DOES NOT COVER:**

- Any instrument that has been altered or modified in any way or upon which the serial number has been tampered with or altered.
- Any instrument whose warranty card has been altered or upon which false information has been given.
- Any instrument that has been damaged due to misuse, negligence, accident, or improper operation.
- The subjective issue of tonal characteristics.
- Shipping damages of any kind.
- Any instrument that has been subjected to extremes of humidity or temperature.
- Normal wear and tear (i.e.; worn frets, worn machine heads, worn plating, string replacement, scratched pickguards, or damages to or discoloration of the instrument

finish for any reason).

- Any instrument that has been purchased from an unauthorized dealer, or upon which unauthorized repair or service has been performed.
- Any factory-installed electronics after a period of one (1) year following the original date of purchase.
- Spirit by Steinberger product.

STEINBERGER MAKES NO OTHER EXPRESS WARRANTY OF ANY KIND WHATSOEVER. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, EXCEEDING THE SPECIFIC PROVISIONS OF THIS WARRANTY ARE HEREBY DISCLAIMED AND EXCLUDED FROM THIS WARRANTY. SOME STATES AND/OR COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES SO THAT THE ABOVE MAY NOT APPLY TO YOU.

STEINBERGER SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT CONSEQUENTIAL, INCIDENTAL OR OTHER SIMILAR DAMAGES SUFFERED BY THE PURCHASER OR ANY THIRD PARTY, INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS OR BUSINESS OR DAMAGES RESULTING FROM USE OR PERFORMANCE OF THE INSTRUMENT, WHETHER IN CONTRACT OR IN TORT, EVEN IF STEINBERGER OR ITS AUTHORIZED REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND STEINBERGER SHALL NOT BE LIABLE FOR ANY EXPENSES, CLAIMS, OR SUITS ARISING OUT OF OR RELATING TO ANY OF THE FOREGOING.

## How To Obtain Warranty Service

In the event of malfunction of your Steinberger instrument, you should notify your nearest Authorized Steinberger Dealer.

The Dealer or Owner must ship the instrument, freight and insurance pre-paid, to the nearest Authorized Steinberger Service Center. If there is no Authorized Steinberger Service Center near you, contact or have your dealer contact Steinberger for information and authorization to return the instrument to Steinberger. No instrument may be returned to Steinberger without such prior Return Authorization. Only Authorized Steinberger Service Centers may perform warranty service and any service performed by unauthorized persons will void this warranty. Steinberger disclaims liability for defects or damage caused by services performed by unauthorized persons or non-warranty service not performed by Steinberger or an Authorized Steinberger Service Center.

When contacting Steinberger, you must include a complete written description of the malfunction of the instrument. If non-warranty work is required or recommended by Steinberger, a quotation will be issued and must be approved by you before any non-warranty work is commenced. You should consider quotations obtained for non-warranty work immediately and advise the Authorized Steinberger Service Center or Steinberger of your wishes. You are not required to purchase non-warranty work in order to obtain service on materials covered by this warranty. Following its inspection of an instrument upon its arrival, Steinberger or the Authorized Steinberger Service

Center will advise you or your dealer of the approximate date of completion. The repaired instrument or part will be returned to you or your dealer, freight collect insured.

No representative or other person is authorized to assume for Steinberger any liability except as stated in this warranty. This warranty gives you specific rights, which vary from state to state.

**STEINBERGER**

STATE OF THE INSTRUMENT.

645 Massman Dr.  
Nashville, Tennessee  
37210  
US

# For Your Records

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

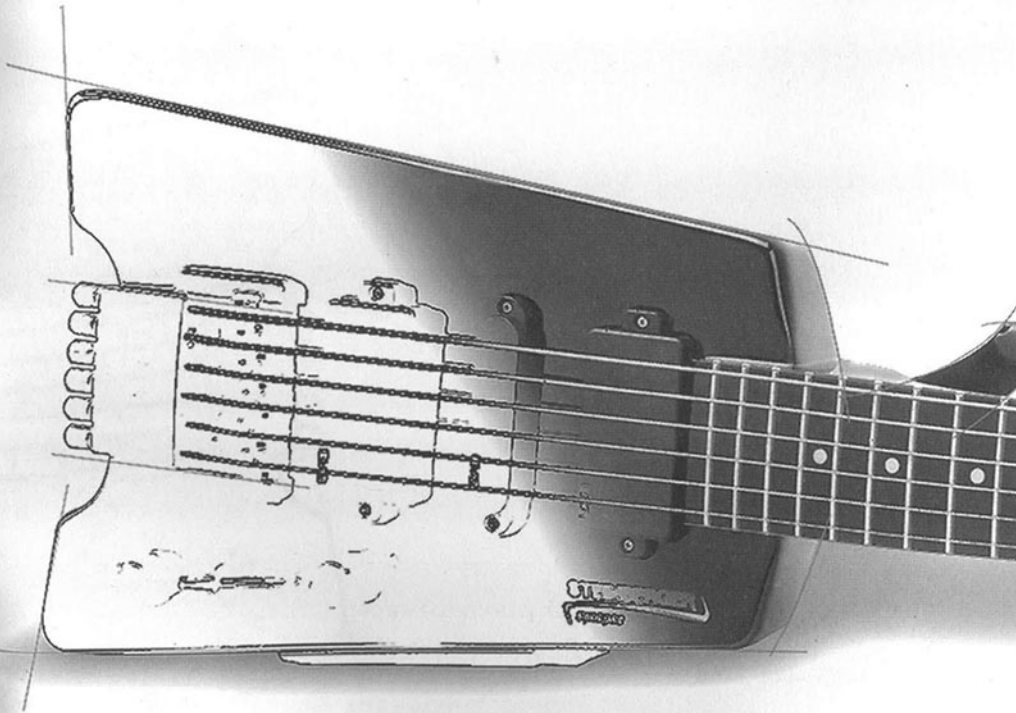
Date Purchased \_\_\_\_\_

Dealer Address \_\_\_\_\_

Dealer Phone \_\_\_\_\_

***Remember to keep your purchase receipt.***

***It is necessary for warranty coverage.***



**STEINBERGER**

STATE OF THE INSTRUMENT.

Steinberger, a part of the Gibson Musical family

645 Massman Drive  
Nashville, Tennessee 37210  
1-800-444-2766

