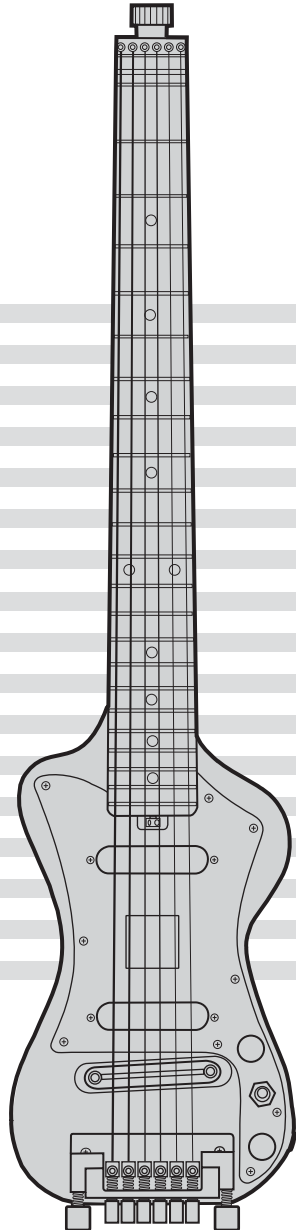
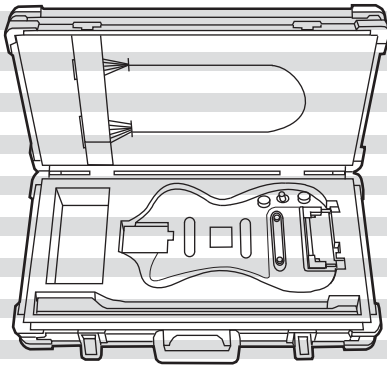
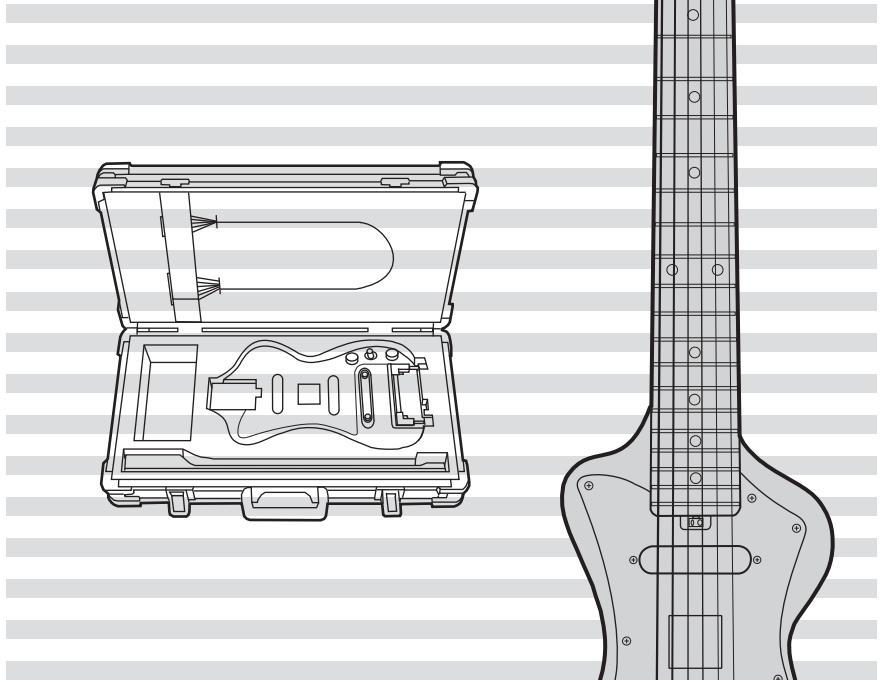




# 3 Dividable Portable Electric Guitar

# SGT-3DPEG

## Owner's Manual



**SG Technologies, Inc.**

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## 1 Precautions

### 1 - 1. Modification and repair

Keep in your mind that modification and repair of your SGT-3DPEG guitar may cause failure and may cause you a risk of electric shock. Our limited warranty will NOT cover any malfunctions or damages caused by repairs or modifications done by other than SG Technologies.

### 1 - 2. Beware of Excess Strings

To prevent an accidental injury, make sure to cut out and dispose any excess strings.

### 1 - 3. Beware of Sharp Fret Edges

All the edges of the frets have been ground well at the factory. However, in some cases, fret edges may protrude from the neck.

### 1 - 4. Follow the Assembly and Disassembly Procedure

Before placing the string unit, make sure if the two large-sized bolts, which connect the neck and the body, are tightened properly. Loose bolts may cause you an injury by the string unit.

### 1 - 5. Recommended String Gauge

At the factory, 09-42 strings have been set on your SGT-3DPEG guitar.

SGT-3DPEG guitars can be used with strings up to the gauge 10-46. Do not use thicker strings than 10-46 as it may cause a malfunction.

### 1 - 6. Keep Away from Moisture

Do not use your SGT-3DPEG guitar outdoors when raining or in wet places. You may face a risk of electric shock from a shielded wire in case of misalignment of delicate metal parts or malfunction of a guitar amplifier.

## 2 Storage and Maintenance

### 2 - 1. The Whole Guitar

Except when you carry your SGT-3DPEG, leave it assembled. Loosening the strings is not necessary while not in use. In case you do not use the guitar for a long period time, we recommend that you loosen the strings in some degree.

Keep your guitar in a cover whenever not in use.

For cleaning your guitar, use cleaning items that are available in guitar specialty stores.

The joint part of the neck and the body expands in summer and contracts in winter. In such cases, you may experience somewhat a hard time setting the neck in the body.

For storage, we recommend a place with the humidity of 30 to 50% and the temperature of 20 to 30 degrees Centigrade or 68 to 86 degrees Fahrenheit.

## 2 - 2. Delicate Metal Parts

At the factory, for lubrication purposes, a small amount of grease has been applied to the bolts of the master knobs and the fine-tuning knobs. After a while, the grease may be depleted and you may have a hard time turning the knobs. If that occurs, apply a small amount of guitar grease (available at guitar specialty stores) to the external screws.

SGT-3DPEG guitars use special washers (a Teflon washer sandwiched with two Duracon washers) in the knobs for smooth turning. In case the washers broke or worn out, contact the factory. Replacement washers will be sent to you.

# 3

## SGT-3DPEG Guitar and Accessories

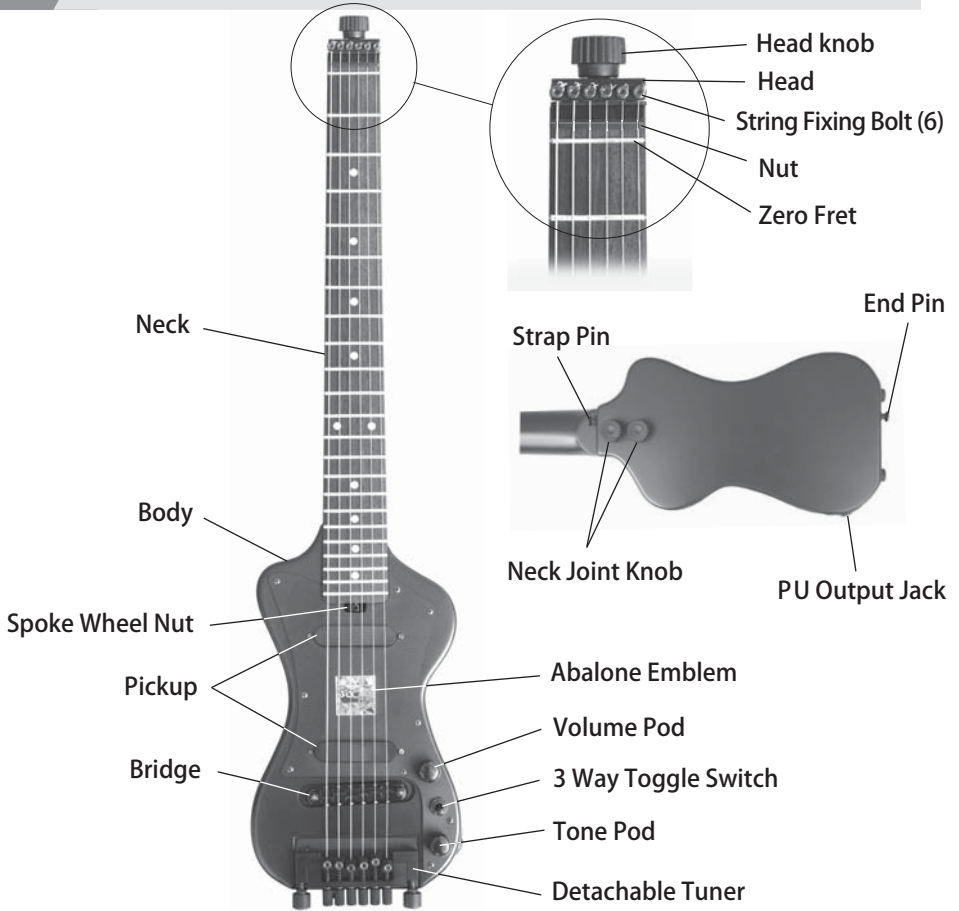
At the factory, the following have been packed. Please make sure if all is in the package upon receipt.

**Order without a Hard Cover Case** (SGT-3DPEG guitar comes assembled)

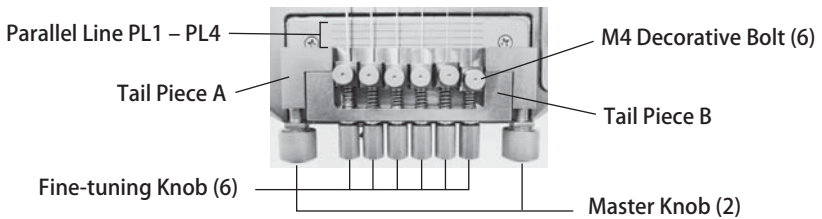
- Guitar (Body, Neck and String Unit) 1
- Soft Cover 1
- Strap 1
- Hexagonal Wrench (M3) 1
- Wrench for Spoke Wheel Nut 1
- Owner's Manual 1
- Warranty Certificate 1

4

Name of Each Part of SGT-3DPEG



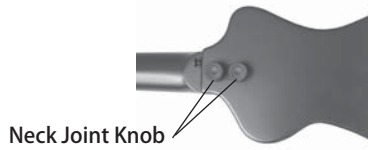
Detachable Tuner



Note: There are four parallel lines (PL1, PL2, PL3 and PL4) for positioning Tail Piece B for different occasions such as attaching the string unit or changing strings. PL2 is used to position the string unit, PL3 is used when changing strings, PL4 is the playable limit line. PL1 is not usually used.

## 5 How to Assemble the Guitar

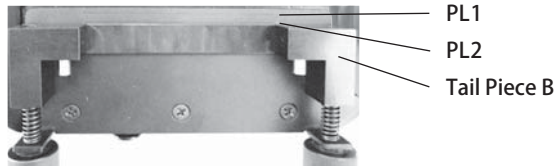
- 5 - 1 . Place the neck to the right position of the body and fix it by using two neck joint knobs. You do not need to tighten the knobs with full force.



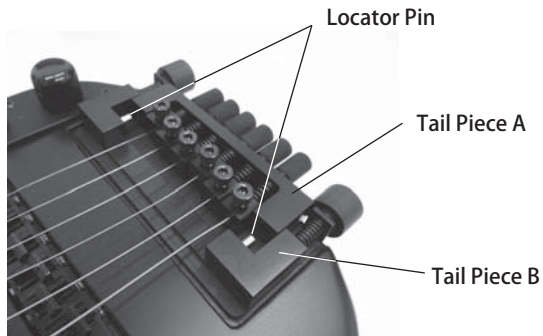
After attaching the neck to the body, lay the guitar face up on a flat place.



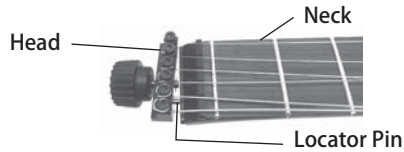
- 5 - 2 . Turn the master knob and align Tail Piece B with PL2 of the parallel lines.



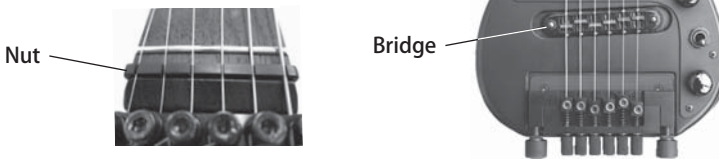
- 5 - 3 . Attach Tail Piece A of the string unit while aligning with the two locator pins of Tail Piece B.



- 5-4. Attach the head to the neck while aligning the bolt with the locator pin on the head and tighten the bolt.



- 5-5. Align all the strings to the right positions on the bridge and the nut. This completes the assembly.



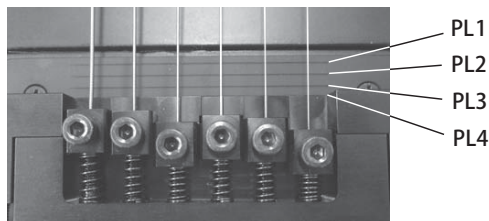
## 6 Tuning

Connect a guitar tuner (cable connection type) to the guitar and turn the volume pod to the maximum position.



**Note:** Tuning order should be ;  
5(A), 4(D), 3(G), 2(B) 1(E) and 6(E)

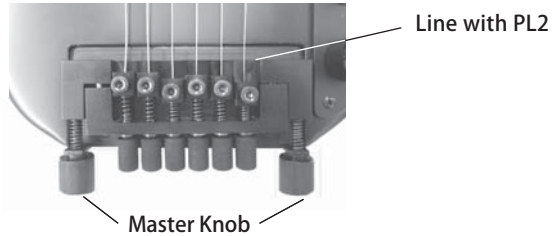
- 6-1. Start with 5(A) string. At this stage, the tail piece is at the parallel line 2 (PL2). Turn the master knob to move the tail piece to PL4. It is better to use both hands to turn the master knobs.



- 6-2. After tuning 5(A) string, tune 4(D) string by using the fine-tuning knob. Do the same with other strings.
- 6-3. Tune 6(E) string at the end.
- 6-4. Tuning should be completed by fine-tuning all the strings again in the same order. Readjustment can be done by using the fine-tuning knob after adjusting by the master knob.

## 7 How to Disassemble the Guitar

- 7-1. Move the tail piece forward the parallel line 2 (PL2) by turning the master knobs until 1(E) string becomes loose.



- 7-2. Remove the head and the tail piece by turning the head knob. This separates the string unit completely from the body and the neck.



- 7-3. Remove the neck from the body by loosening two neck joint bolts. This completes the disassembly.



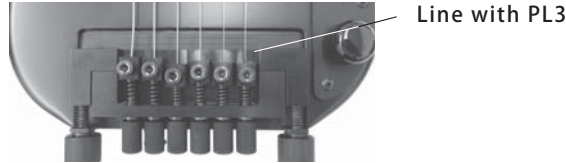


## 8 Changing Strings

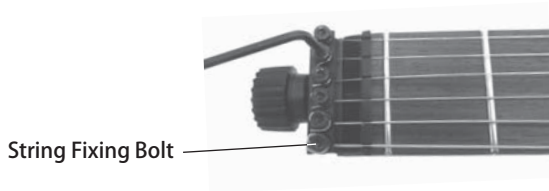
Tools needed: Plier, Nipper

### 8-1. Removing a String

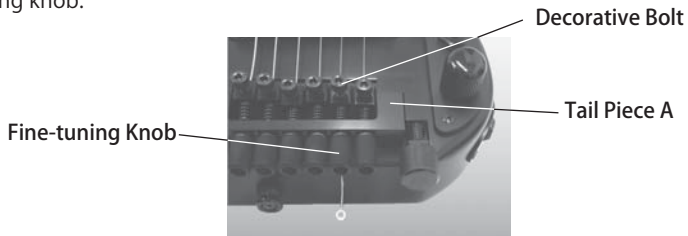
- 1) Align Tail Piece B with the parallel line 3 (PL3) by turning the two master knobs.



- 2) Loosen the string fixing bolt on the head and take the target string out of the head. If necessary, straighten the string by using a plier.



- 3) Loosen the decorative bolt on the tail piece and pull the string out from the side of the fine-tuning knob.



### 8-2. Stringing

Gauge 09-42 is recommended. Do not use the thicker strings than 10-46 as it may cause a malfunction.

- 1) Insert a string from the fine-tuning knob of Tail Piece A.



2) Insert the other end of the string to the head. If necessary, remove the head from the neck to insert the string and put it back when it's done.



3) Wind the string on the string fixing bolt (between the spring washer and the head of the bolt) and tighten the bolt by using a hexagonal wrench while lightly pulling the string from the head side.



4) Cut the excess string as short as possible to prevent an injury by sharp tip of a string.

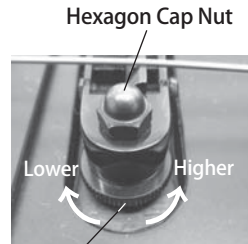


5) Gradually turn the master knob until the string is taut. Lightly tighten the decorative bolt for fixing the string. This is only to prevent the string to come off the tail piece when the string unit is detached from the body. This completes stringing the guitar.

## 9 Adjustments

### 9-1. String Height

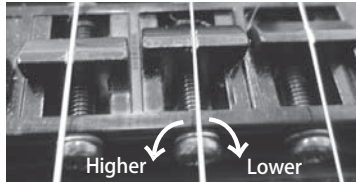
The string height has been set at  $1.6\text{mm} + \alpha$  (1E string side) and  $1.9\text{mm} + \alpha$  (6E string side). To adjust the height, turn the adjustment nut (round) on the bridge with fingers after loosening the hexagon cap nut. To set the height lower, turn the nut clockwise. To set the height higher, turn the nut counter-clockwise. Tighten the hexagon cap nut when adjustment is finished.



String Height Adjustment Nut

### 9 - 2 . Intonation Adjustment

Use a screwdriver to turn the adjustment screws on the bridge from the tail piece side while looking at the guitar tuner. Turning clockwise makes the tone lower and turning counter-clockwise makes the tone higher.



### 9 - 3 . Pickup Height Adjustment

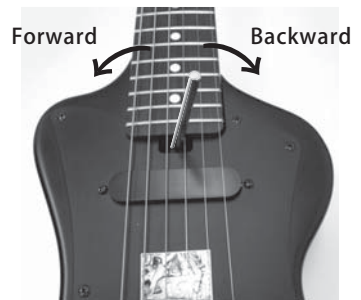
Both the front and the rear pickup can be adjusted lower or higher by turning the screws located on the both sides of the pickup.



### 9 - 4 . Truss Rod Adjustment

If you are not familiar with the truss rod adjustment, consult with a specialist. In case the neck is bent forward, use the wrench (comes with the guitar) and turn the truss rod (spoke wheel nut type) clockwise little by little. Never turn it all at once.

In case the neck is bent backward, use the wrench and turn the truss rod counter-clockwise little by little. Never turn it all at once.



## 10 Specification

■ Body :	Ash
■ Neck :	Maple
■ Finger Board :	Rosewood
■ Number of Fret :	23 (including zero fret)
■ Net Scale :	24 in. (609.6 mm)
■ Full Length :	29.72 in. (755 mm)
■ Adjustable Truss Rod :	Spoke Wheel Nut Type
■ Pickup :	Single Coil x 2 / Hum Backer x 2
■ Bridge :	Gotoh GE-103B
■ Control :	1 volume, 1 tone, 3 way toggle selector
■ Detachable Tuner :	SGT original (Pat. Pending 2012-157323)
■ Emblem :	Abalone Inlay
■ Weigh :	2.3Kg



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