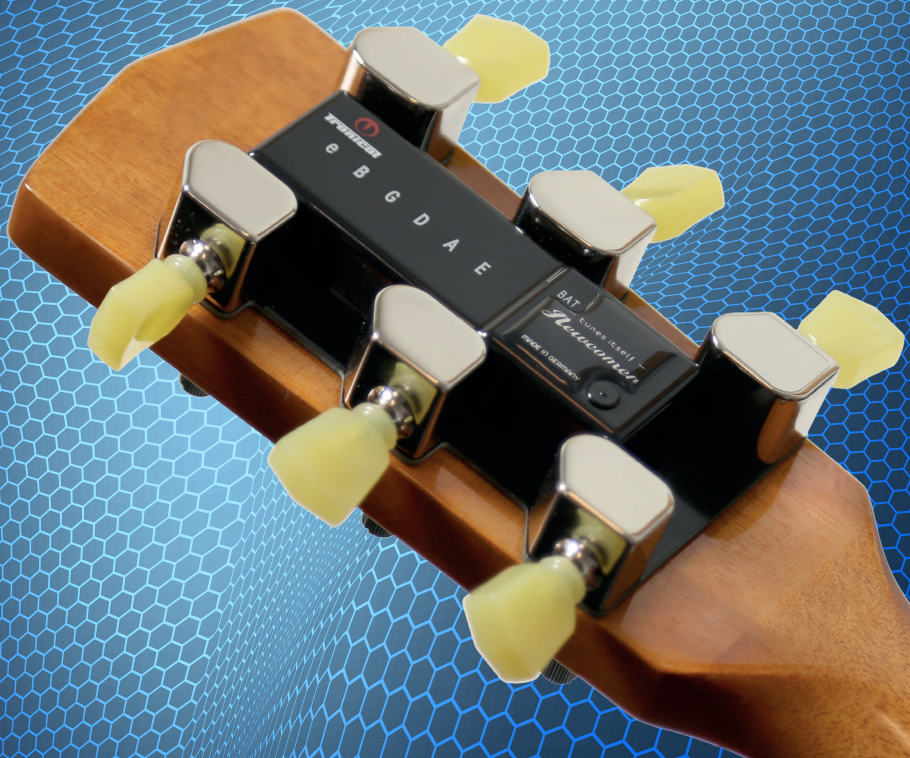
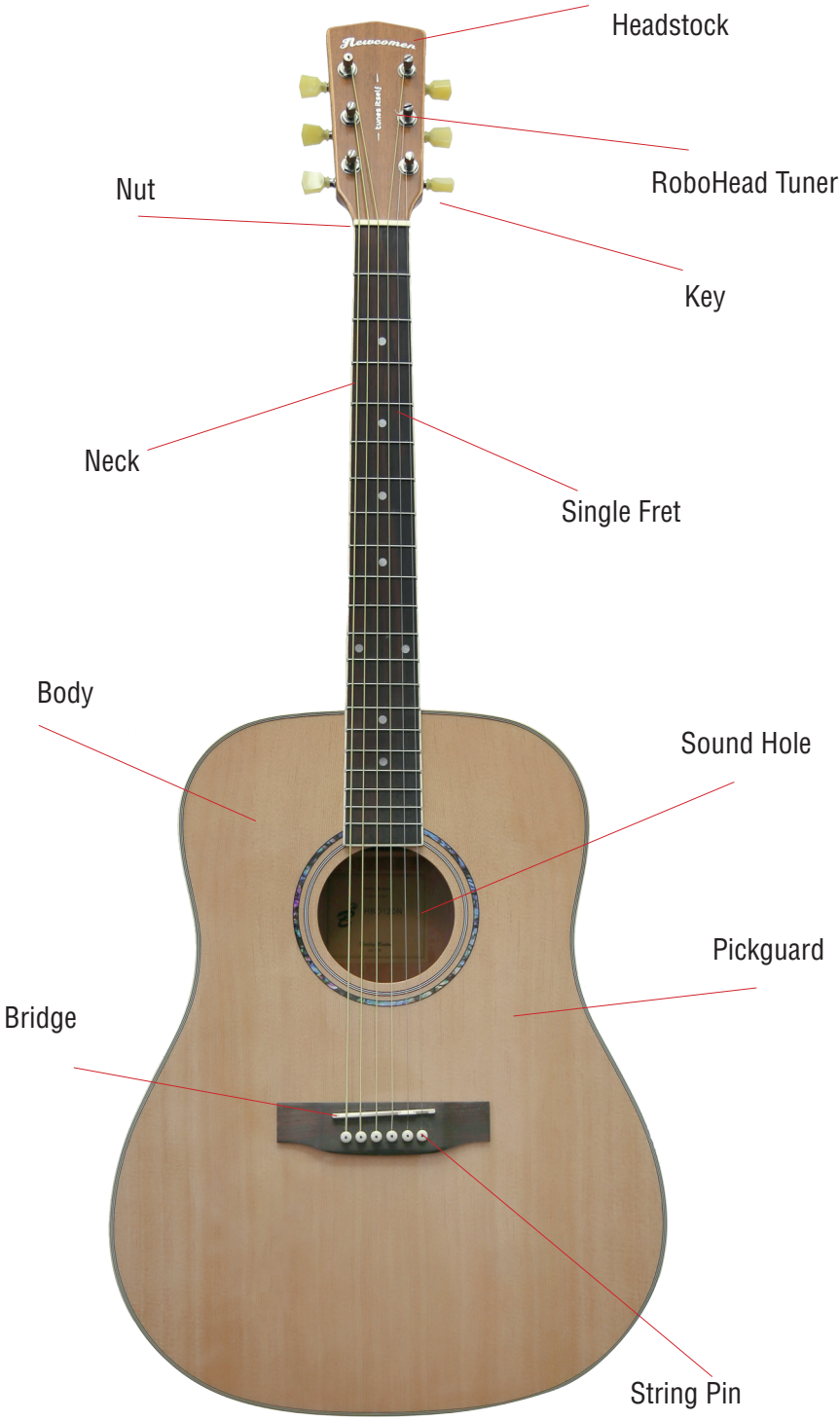
Newcomer

tunes itself




Headstock
RoboHead Tuner
Nut
Key
Neck
Single Fret
Body
Sound Hole
Pickguard
Bridge
String Pin

OWNER'S MANUAL:

Intro 3
Setup / Functions 4-6
How to charge the battery 7
Changing strings 8-13
Tipps & Tricks 14
Safety Instructions 15

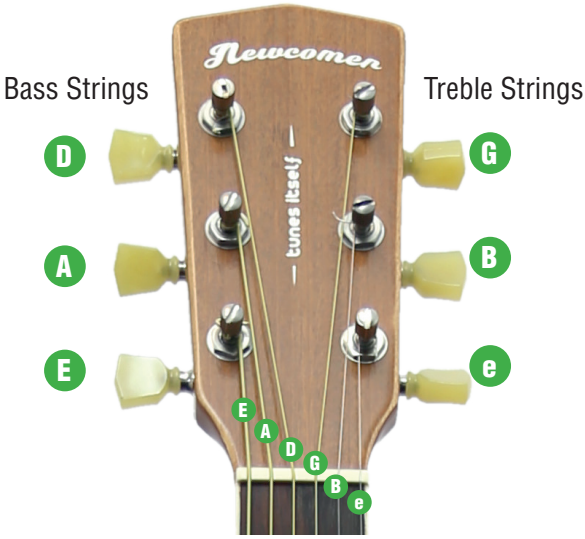
QUICK START

Starting up from scratch

1. Make sure NEWCOMER is turned off.
2. Bring the strings to tension by manually turning on the keys:

Use the key to turn the RoboHead in order to bring every string to tension until the string cannot be pulled away from the body/neck more than 1.2 inch / 2.5 mm.
Turn the key clockwise → right – tightens, counter clockwise → left – loosens





FIRST START

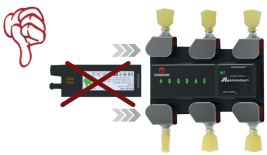
1. Insert the Battery. **(Page 4)**
2. Press and hold the **ON** - button for at least 2 seconds.
3. Pluck the single string as indicated by the **RED** flashing LED. Let it ring 3-5 sec. until the LED turns **GREEN** and switches to the next string flashing red again.
4. If all LEDs flash **GREEN** your guitar is in tune and the system will shut down.
5. **You are ready to go.**

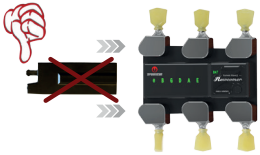
INSERTING THE BATTERY

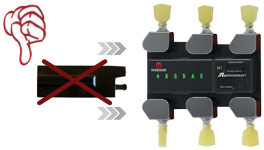
The Battery is held by a push-push. Please insert the battery carefully with the tip-side. There is also a **GREEN ARROW** on the cover of the battery showing which way it should be inserted.

Please pay attention to the raising on the battery cover matching the guidance of the base for insertion. Please do not force the battery into the system because you might break it. In order to charge the battery, please give it a little push and it will eject and you can easily pull it out.









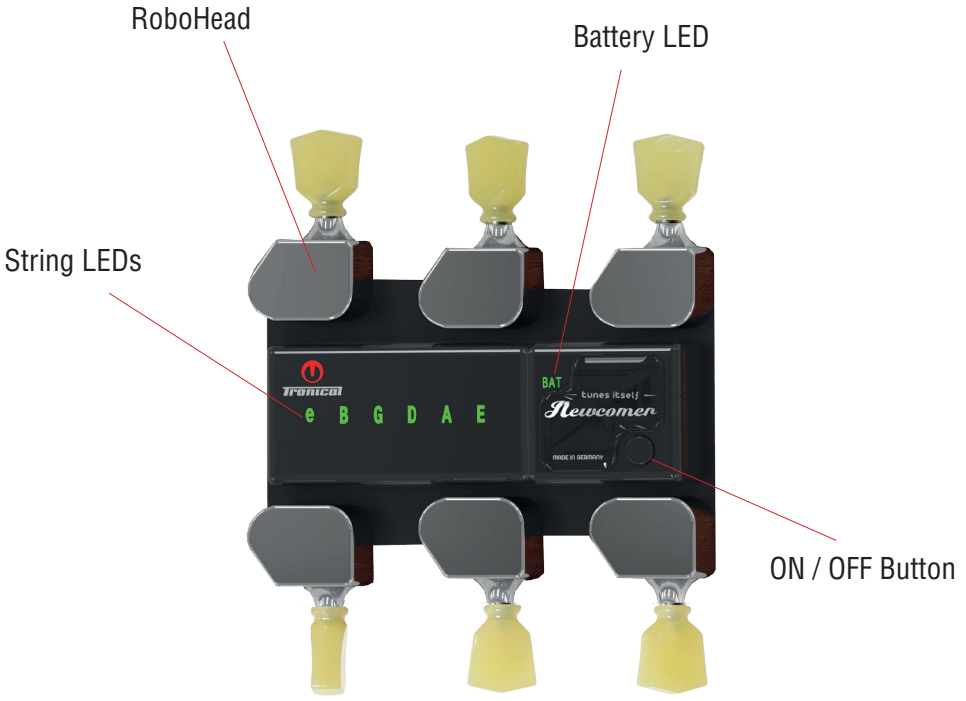
USAGE AND TIPPS

- Push the ON-button to activate multi-string-tuning mode.
- Strum all strings and let them ring.

The LED's show the status of the strings by different colors:

GREEN = string is in tune.
YELLOW = pitch of the string is being measured.
BLUE = RoboHead is moving.
MAGENTA = Pitch of the string is out of range.
RED = String is out of tune/needs to be tuned.
WHITE = Interfering frequencies.

- Strum all strings simultaneously and let them ring 3-5 sec. until all string LEDs are **GREEN**.
- Pluck the strings that are still showing **RED** LEDs single and **dampen all others.**
- When your guitar is in tune the system will shut down.
- You can also turn off the system by holding the **ON**-button for 3 seconds.



TUNING BASICS

Basically there are two ways of tuning with NEWCOMER.
You can choose **multi**- or **single**-string mode.

- **MULTI STRING MODE**

If you push the **ON**-button briefly, NEWCOMER will turn on in mutli-string mode. As all LEDs will be lighted **RED** you can just strum all strings evenly close to the neck and the NEWCOMER will start tuning the strings. Let all strings ring 3-5 seconds. Make sure to let the strings ring properly. If a string is in tune, the LED will switch from **RED** to **GREEN**. If all LEDs are **GREEN** your guitar is in tune and Newcomer switches **OFF** automatically. If single LEDs remain **RED** please dampen all other strings and pluck the ones with the **RED** LED single. If individual strings are far out of pitch, NEWCOMER will automatically switch to single string tuning mode.

- **SINGLE STRING MODE**

If NEWCOMER is off and you push and hold the **ON**-button for approximately 3 seconds, the system will turn on in single-string mode. Please pluck the strings individually. Start with the low-E-string as indicated by "E" LED flashing **RED**. Please let the individually plucked string ring for approx. 5 seconds and dampen the others. When the LED turns **GREEN** the string is in tune. Dampen the tuned string and NEWCOMER switches to the next string indicated by a **RED** flashing LED. Please pluck that string individually again in the same manner as before. If all LEDs are **GREEN** your guitar is in tune and Newcomer switches **OFF** automatically. In single-string mode it may take a little bit longer to tune the guitar, but it is indicated in loud environments or backstage.

The order of the strings shown on the display is as follows:
e-B-G-D-A-E
e = lightest gauge (1st string) | **E** = heaviest gauge (6th string)
NOTE: In some areas the B-string might also be called H-string



Bass Strings

Treble Strings



ON/OFF Button

CHARGING THE BATTERY

The “BAT” LED above the ON-button indicates the battery charge status. To ensure perfect performance the battery should be fully charged which is indicated by a green light.

GREEN = Battery is fully charged
RED = Battery needs to be charged

A fully loaded battery should last for about 150 tunings.

In order to charge the battery, please make sure to always connect charger and battery before connecting the charger to the electricity / wall plug. Please connect charger and battery like shown below:



NOTE: If you do not use the system i.e. the battery often please note that the capacity of the battery might decrease. In order to reach full capacity with the battery again please charge it several times.
Status LED on the charger:
RED = Charge is too low
GREEN = Battery sufficiently charged

WARNING / BE AWARE:

1. Only connect charger and battery as stated in the manual
2. Do not expose to heat or fire.
3. Do not modify, glue, solder or connect the external contacting.



CHANGING STRINGS

You should change the strings if you feel or hear a lack of quality. Also, when a string breaks it needs to be replaced. Guitar strings are likely to lose quality after some time because of oxidation and dirt from the fingers sweat.

You should regularly change strings in order to maintain the best sound and feel.

The order of the strings shown on the display is as follows:

e-B-G-D-A-E
e = lightest gauge (1st string)
E = heaviest gauge (6th string)

NOTE: In some areas the B-string might also be called H-string.



HOW TO CHANGE THE STRINGS:

You might need a couple of tools. We suggest the following:

- Side cutting pliers to cut the strings.
- A neck cradle to secure the neck.

STEPS:

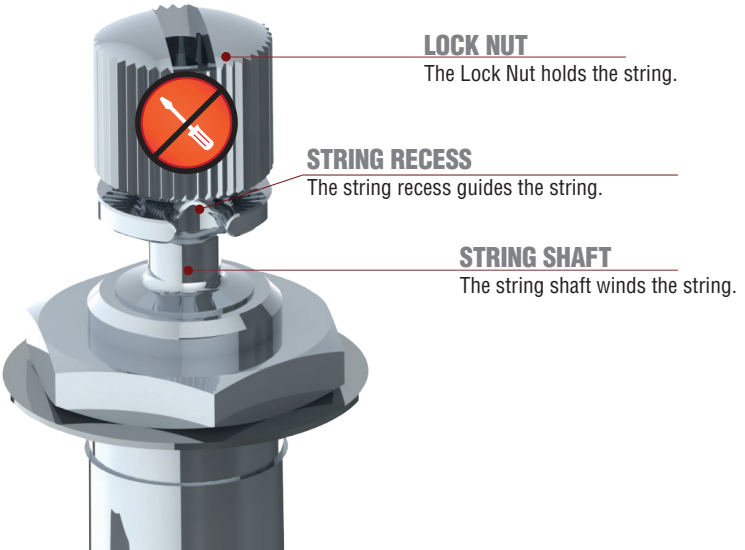
1. Take off the old strings – Do it one by one to keep the order and the tension. You have to turn the RoboHeads manually in order to loosen the strings.

2. Every string is secured with the ball end inside the bridge the guitar. After loosening the RoboHead by turning the key manually, you can unscrew the lock nut and take off the string. Just remove the string pin, grab it at the ball end and pull it out.

3. To install a new string just put the ball end of the string in the specific hole and lock it with a string pin.

4. Now you can pull the string over the saddles and the frets through the headstock nut at the end of the neck to apply it to the RoboHeads permanently.

BE AWARE: Do not use a tool to tighten the lock nut because parts inside the RoboHead might get damaged by applying extreme force. Just use a 1cent coin to tighten the lock nut.



ATTACHING THE STRINGS TO THE ROBOHEADS BASS STTINGS (E A D)

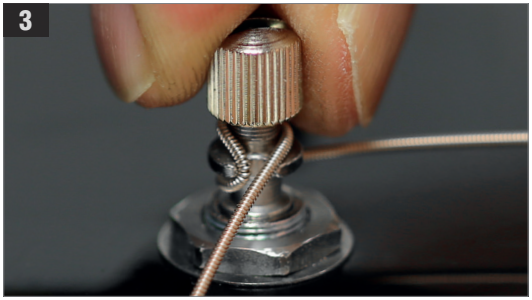
Make sure the NEWCOMER system is **OFF**



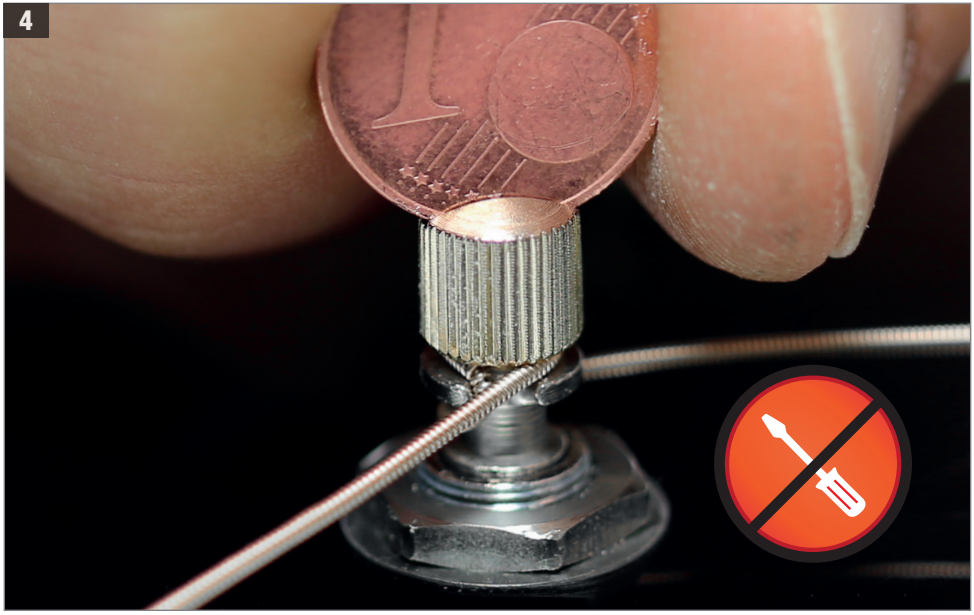
Take off the LockNut and make sure the recess is turned horizontal to the neck (90 degree angle). You can turn the key manually. Wind the string around the string shaft under the recess and bring it up through the recess.



Wind the string around the shaft once above the recess.



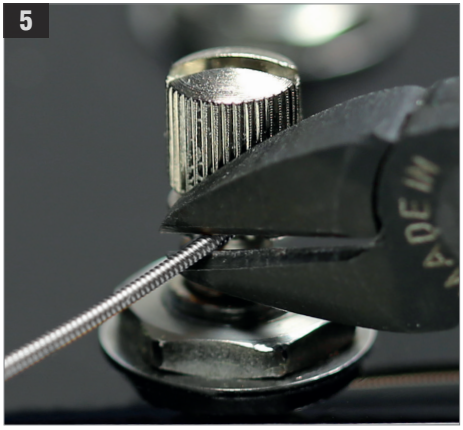
Hold the string tight and apply the Lock Nut.



Tighten the Lock Nut with a small coin easily by hand.

NOTE: Do not use any tool to fix the Lock Nut and DO NOT OVER TIGHTEN! Use a 1 cent coin to tighten the Lock Nut, otherwise you may damage the RoboHead!

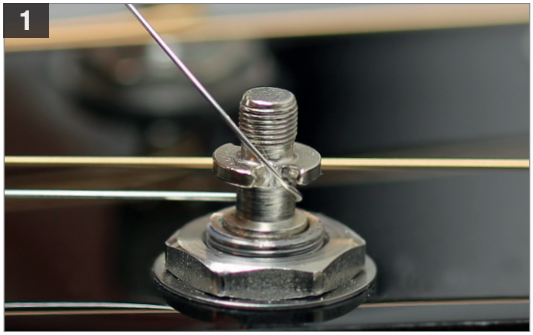
Recommended max. torque is 1.0 Nm (8.85 in-lbs)



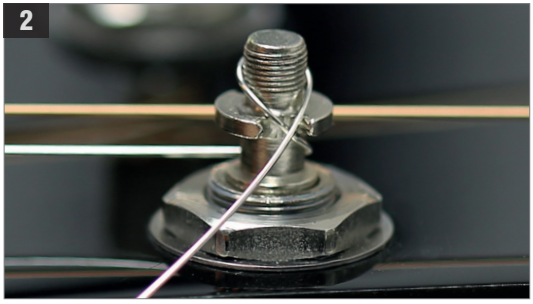


ATTACHING THE STRINGS TO THE ROBOHEADS TREBLE STTINGS (G B e)

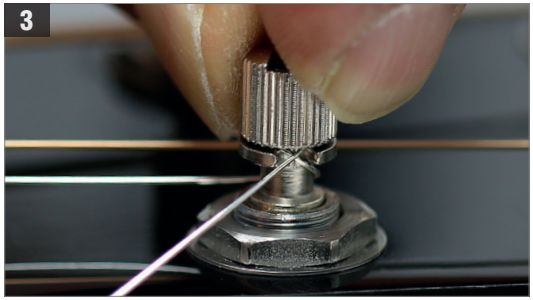
Make sure the NEWCOMER system is **OFF**.



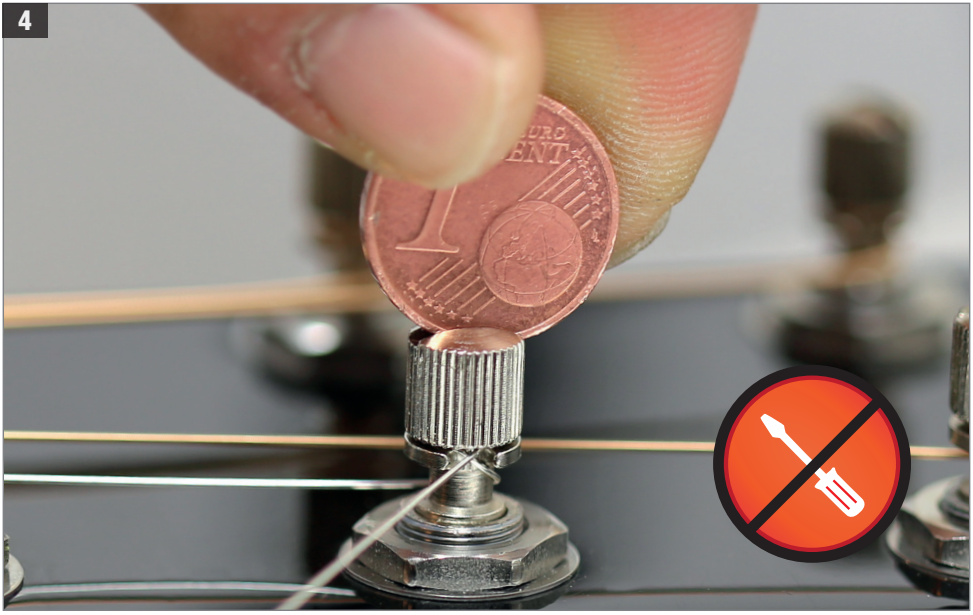
Take off the LockNut and make sure the recess is turned horizontal to the neck (90 degree angle). You can turn the key manually. Wind the string around the string shaft under the recess and bring it up through the recess.



Wind the string around the shaft once above the recess.



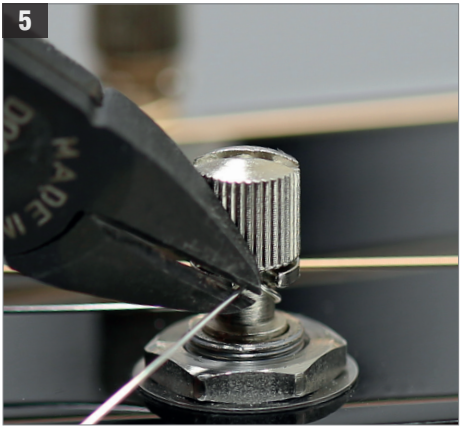
Hold the string tight and apply the Lock Nut.



Tighten the Lock Nut with a small coin easily by hand.

NOTE: Do not use any tool to fix the Lock Nut and DO NOT OVER TIGHTEN! Use a 1 cent coin to tighten the Lock Nut, otherwise you may damage the RoboHead!

Recommended max. torque is 1.0 Nm (8.85 in-lbs)





TUNING AFTER APPLYING NEW STRINGS

- Turn manually the key of the RoboHead until the string is tight enough to give a tone when plucked.

NOTE! To ensure tuning stability, please stretch all strings. After applying the strings you can grab a string slightly above the sound hole at the beginning of the neck and pull it up about 1 inch in order to stretch it. You can do this several times but make sure the device is still off.

- Now you can switch on the NEWCOMER by holding the **ON**-button for 3 - 4 seconds.
- The system is now active in single string mode and the first LED (E) starts flashing **RED**.
- Now please pluck the string indicated by the **RED** flashing LED and let it ring 3-5 seconds until the LED turns **GREEN**. The system will automatically switch to the next string to repeat the procedure for every string step by step.
- If all LED's are **GREEN** the guitar is in tune and you are ready to go.

NOTE: New strings will still stretch a little bit after the first tuning. Please just retune to make sure that the guitar is perfectly in tune.

FACTORY RESET

- Make sure that NEWCOMER is turned OFF.
- To restore factory settings please click the **ON** button briefly to switch on the device.
- Now hold the on button for about 15 seconds until the device turns on the LED's start flashing **YELLOW**. NEWCOMER will turn off and the factory reset is restored.

BE AWARE!

- Please read the manual carefully.
- Never use a string winder tool.
- Never try to tune manually when the system is ON/active.
- Bring the battery to full charge before start up.
- Check the status of the battery continually while using the NEWCOMER .

GREEN = full of charge
RED = out of charge

SAFETY INFORMATION

Please use read this information carefully before starting to use NEWCOMER!
Product care and maintenance:

- Avoid contact with fluids. Do not oppose the device to humidity.
- Do not oppose to heat or heavy cold.
- Do not drop, throw or bend the device. Improper handling will cause serious damage to the device.
- Do not take the system apart. Parts or components cannot be changed. Only TronicalTune as the manufacturer is authorized to service the device.

Taking the system or single components apart will conclude into a breach of the warranty.

- Store NEWCOMER and the guitar in a dry and clean (non-dusty) place without humidity or heat. Take out the Battery if you do not use NEWCOMER for a longer period of time.

SPECIFICATIONS:

- Neck contacting including CPU + 6 RoboHeads
- Universal Charger 100-140 VAC 50/60 Hz / 4.2 Volt DC 300 mA
- Li-Polymer Accumulator 3.6V – 340 mAh – 1258 mWh

DISPOSAL:
Please make sure to dispose the product environmentally compliant. Inside the EU you cannot dispose the product with the normal domestic waste. To avoid serious damage to the environment and nature please make sure to dispose the product correctly according to your countries/regions legislations.

INDEX:

- Guitar equipped with NEWCOMER
- Allen key for adjusting the neck
- Charger for NEWCOMER-tunes system
- Accumulator/Battery Pack for NEWCOMER-tunes system

Newcomer

tunes itself

TronicalTune
Schützenwall 34
22844 Norderstedt
Germany

MADE IN GERMANY