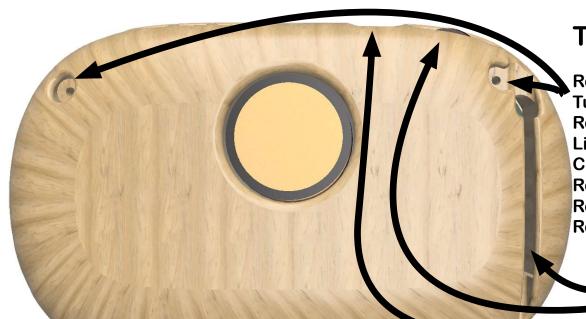
Care and feeding of your



Belt-Buckle Music Synthesizer



TO CHANGE BATTERIES

Remove two screws on the back.

Turn over.

Remove the front.

Lift PCB carefully.

Change batteries on the bottom of PCB.

Replace PCB.

Replace top.

Replace screws.

STYLUS HOLDER VOLUME / POWER

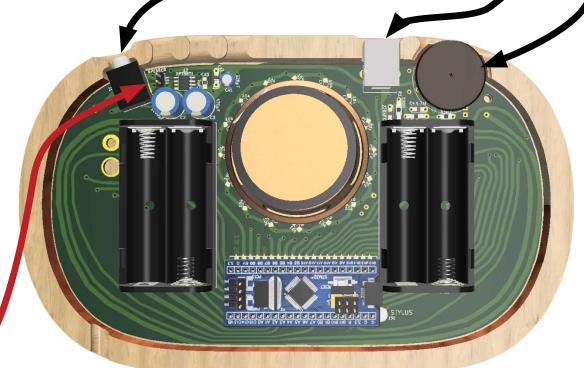
USB •

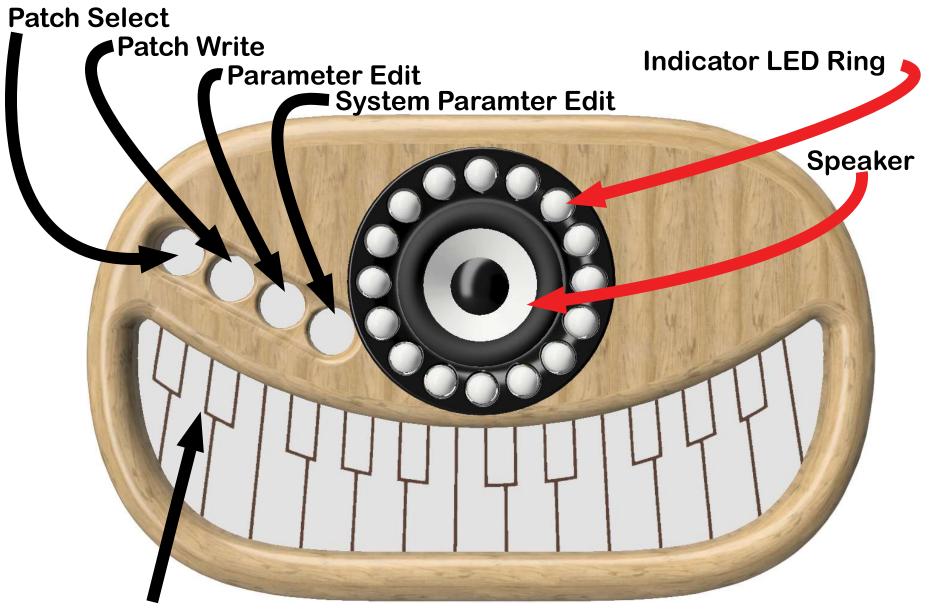
HEADPHONE JACK

May emit high-pitched sounds if USB power is used when batteries are not installed, so please always have batteries installed.

Amplifier may overheat with prolonged use, so let it rest sometimes.

SPEAKER WIRE GOES HERE





Keyboard / Parameter Select / Parameter Value

PATCH SELECT -

Loads a sound to play on the keyboard from memory.

Tap once and the LED ring flashes BLUE

Tap on the keyboard to select a sound to load

The new sound will play.

Tap on different keys until you hear the sound that you want to load.

Tap PATCH SELECT again to keep playing that sound.

Tapping any other button will abort and use the previously selected sound.

BLUE flashing light will stop to indicate PATCH SELECT mode is no longer active.

You can now play the keyboard normally.

PATCH WRITE -

Writes the current sound to a different slot in memory.

Tap once and the LED ring flashes RED

Tap on the keyboard to select a sound to overwrite.

The sound currently in the selected slot will play.

Tap on different keys until you hear the sound that you want to overwrite with the current sound.

Tap PATCH WRITE again to overwrite that sound with the current sound.

Tapping any other button will abort and use the previously selected sound.

RED flashing light will stop to indicate PATCH WRITE mode is no longer active.

You can now play the keyboard normally.

PARAMETER EDIT -

Changes parameter values of the current sound.

Tap once and the LED ring flashes GREEN on the left side only Tap on the keyboard to select a PARAMETER VALUE to change.

The LED ring will altername between

- right half GREEN
- the PARAMETER NUMBER bargraph
- and the PARAMETER VALUE bargraph

Tap on the keyboard to select a new value for the selected parameter.

The parameter value will update (the bargraph will reflect this).

The sound will also play at key pitch with the new value.

Tap PARAMETER EDIT again to keep the change.

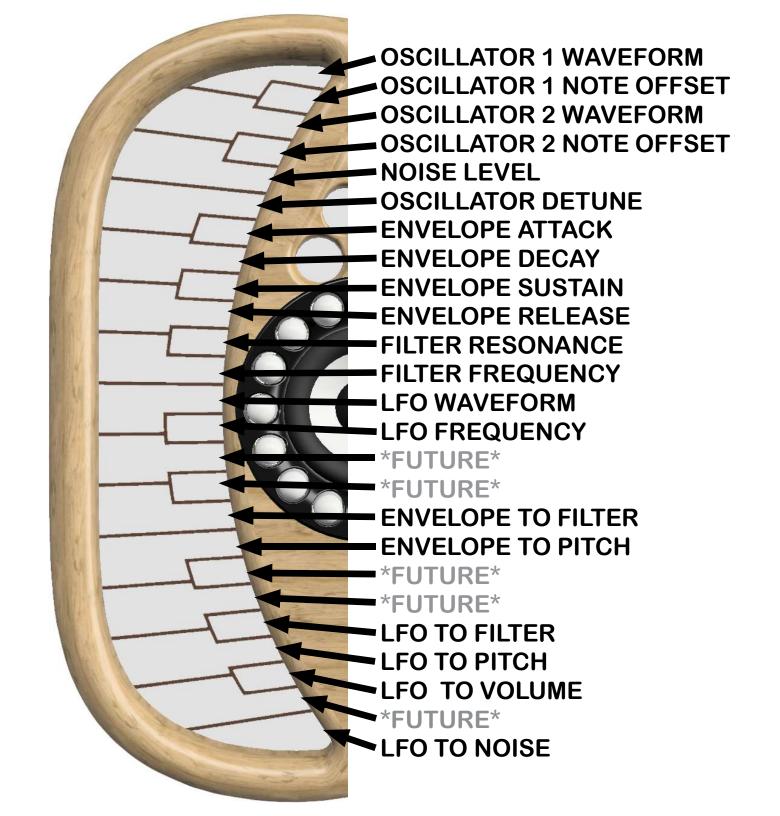
Tapping any other button will abort and use the previously selected value for the parameter.

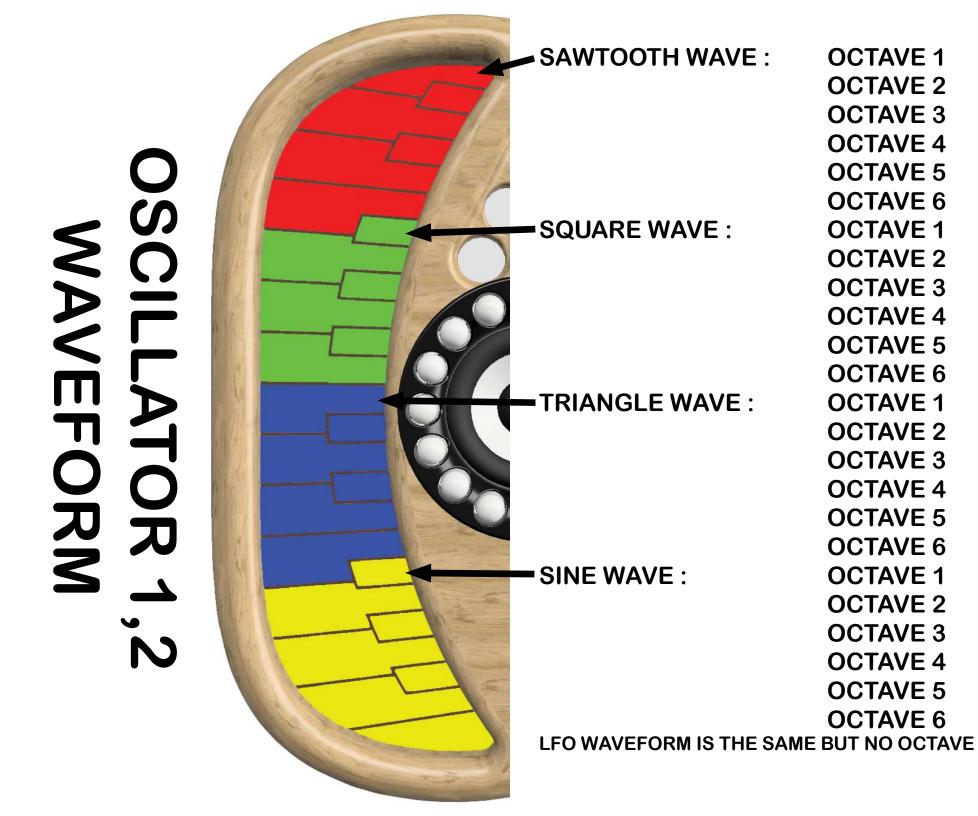
GREEN flashing light will stop to indicate PARAMETER EDIT mode is no longer active.

You can now play the keyboard normally.

The mapping of PARAMETER VALUE to KEY is on the next page.

PARAM M TE 刀 M





SYSTEM PARAMETER EDIT -

Changes a GLOBAL PARAMETER VALUE

Tap once, and LED ring flashes YELLOW on the left side only. Tap on the keyboard to select a GLOBAL PARAMETER to edit. The LED ring will alternate between:

Right half YELLOW SYSTEM PARAMETER NUMBER bargraph SYSTEM PARAMETER VALUE bargraph

Tap on the keyboard to select a new value for the selected SYSTEM PARAMETER.

The SYSTEM PARAMETER VALUE will update (the bargraph will reflect this).

The sound will also play at key pitch with the new value.

Tap SYSTEM PARAMETER EDIT again to keep the change.

Tapping any other button will abort and use the previously selected value for the parameter.

YELLOW flashing light will stop to indicate that the SYSTEM PARAMETER EDIT mode is no longer active.

You can now play the keyboard normally.

The SYSTEM PARAMETER list on the next page.

SYSTEM PARAMETERS

LED BRIGHTNESS
COARSE TUNING (NOTE)
FINE TUNING (2 CENTS)

FUTURE

•

.

CARE INSTRUCTIONS

Each wooden STYLISH! unit is a hand-assembled DIY creation!

Each unit is unique and will have character and eccentricities due to the nature of the wood, and the trials of construction.

Please appreciate these as beauty marks!

The 3D printed parts will melt if exposed to heat!

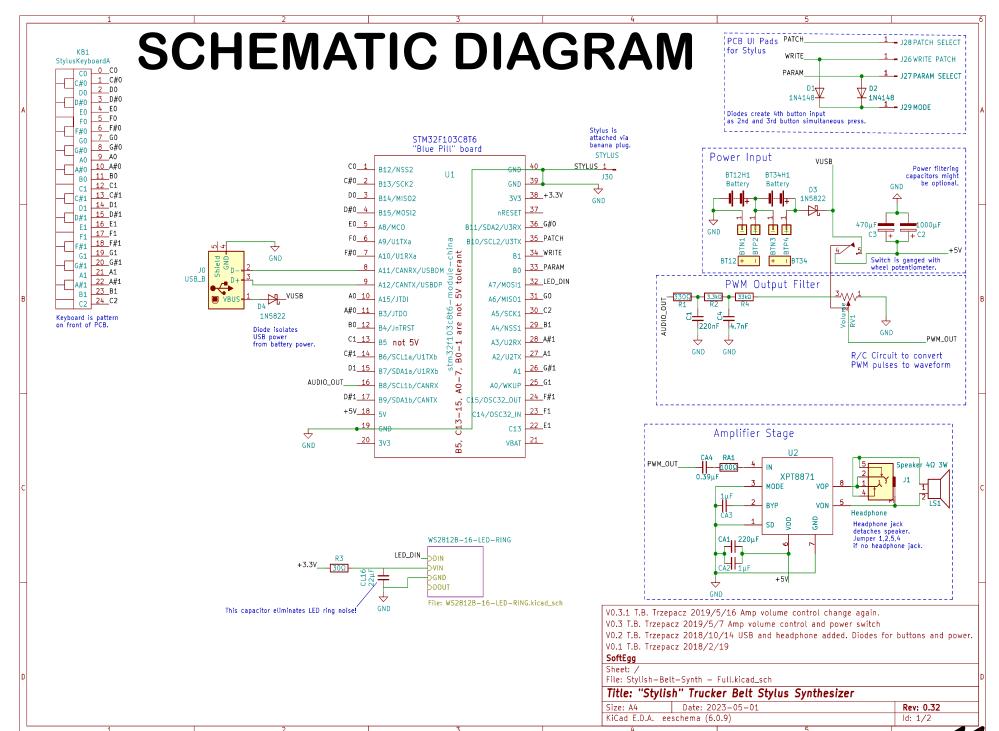
Do not leave STYLISH! in your hot car, in the direct sun, or in other hot places!

Stylish! is made of WOOD!

- * Although it is covered in a polyurethane varnish, it is probably not good to expose it to moisture!
- * SCREWS CAN BE STRIPPED OUT IF YOU ARE NOT CAREFUL! PLEASE TAKE CARE NOT TO OVER-TIGHTEN SCREWS!
- * WOOD IS SOFT AND CAN DENT and SCRATCH EASILY!
 TAKE CARE NOT TO LET STYLISH GET SCRATCHED or DENTED!

The STYLUS wire is somewhat delicate! Please take care not to rip the wire out!

Take care when changing batteries to align screws with the holes in the printed circuit board (PCB) when putting it back together so as not to scratch the circuit board.



7 1



STYLISH! The Trucker Belt Synthesizer was created by Timon at SoftEgg®. http://www.softegg.com

More project details on Hackaday.io! https://hackaday.io/project/160859-stylish

All hardware and software files are available on GitHub here:

https://github.com/softegg/Stylish-Trucker-Belt-Synthesizer

CC BY-NC-SA License

NON-COMMERCIAL USE ONLY!

Made with STM32Duino under LGPLv2.1 License STMicroelectronics libraries under BSD3-Clause, and Mozzi under CC BY-NC-SA license.

Only hardware is sold, software is provided for free.