CARE AND FEEDING OF YOUR





TRUCKER BELT-BUCKLE SYNTHESIZER

TO CHANGE BATTERIES 2

REMOVE TWO SCREWS ON THE BACK TURN OVER REMOVE FRONT LIFT PCB CAREFULLY CHANGE BATTERIES ON BOTTOM OF PCB REPLACE PCB REPLACE TOP REPLACE SCREWS

> STYLUS HOLDER 'OLUME / POWER • USB 💳 HEADPHONE JACK

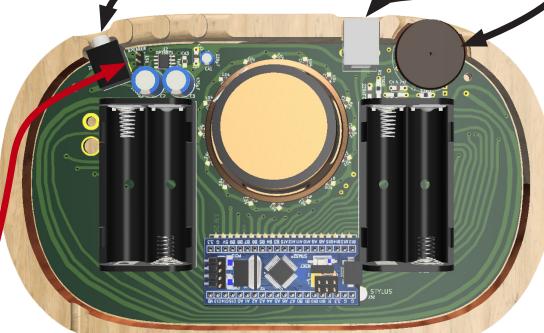
MAY EMIT HIGH PITCHED SOUNDS IF USB POWER USED WITHOUT BATTER-

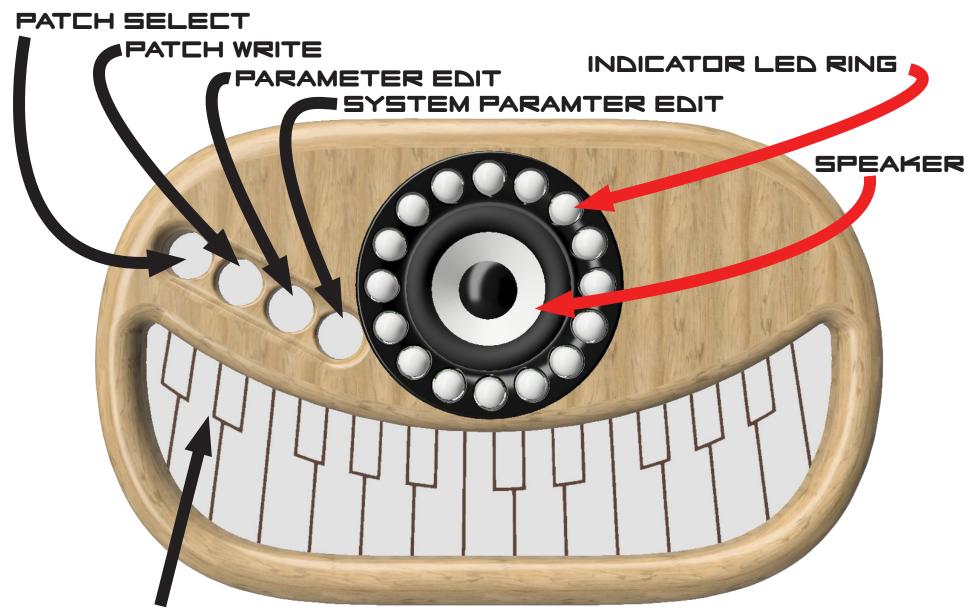
IES. SO ALWAYS HAVE

BATTERIES INSTALLED.

AMPLIFIER MAY DVER-HEAT WITH PROLONGED USE. LET IT REST SOME-TIMES.

SPEAKER WIRE HERE





KEYBOARD / PARAMATER SELECT / PARAMETER VALUE

PATCH SELECT - LOAD A SOUND TO PLAY ON THE KEYBOARD

TAP ONCE AND LED RING FLASHES BLUE

TAP ON KEYBOARD TO SELECT A SOUND

TO LOAD.

NEW SOUND WILL PLAY

TAP TIL YOU FIND THE SOUND YOU WANT

TAP "PATCH SELECT" AGAIN TO KEEP SOUND YOU CAN PLAY IT ON THE KEYBOARD NOW

TAP ANY OTHER BUTTON TO ABORT
(WILL RETURN TO ORIGINAL SOUND)

PATCH WRITE -

WRITE THE SOUND TO A DIFFERENT SLOT TAP ONCE AND LED RING FLASHES RED TAP ON KEYBOARD TO SELECT A SOUND TO OVERWRITE

TO OVERWRITE

TAP "PATCH WRITE" AGAIN TO OVERWRITE SOUND
YOU CAN PLAY IT ON THE KEYBOARD NOW

TAP ANY OTHER BUTTON TO ABORT (WILL RETURN TO ORIGINAL SOUND)

EDIT

PARAMETER - CHANGE SYNTHESIZER PARAMETER TAP ONCE AND LED RING FLASHES GREEN ON THE LEFT SIDE ONLY

TAP ON KEYBOARD TO SELECT A PARAMETER TO EDIT

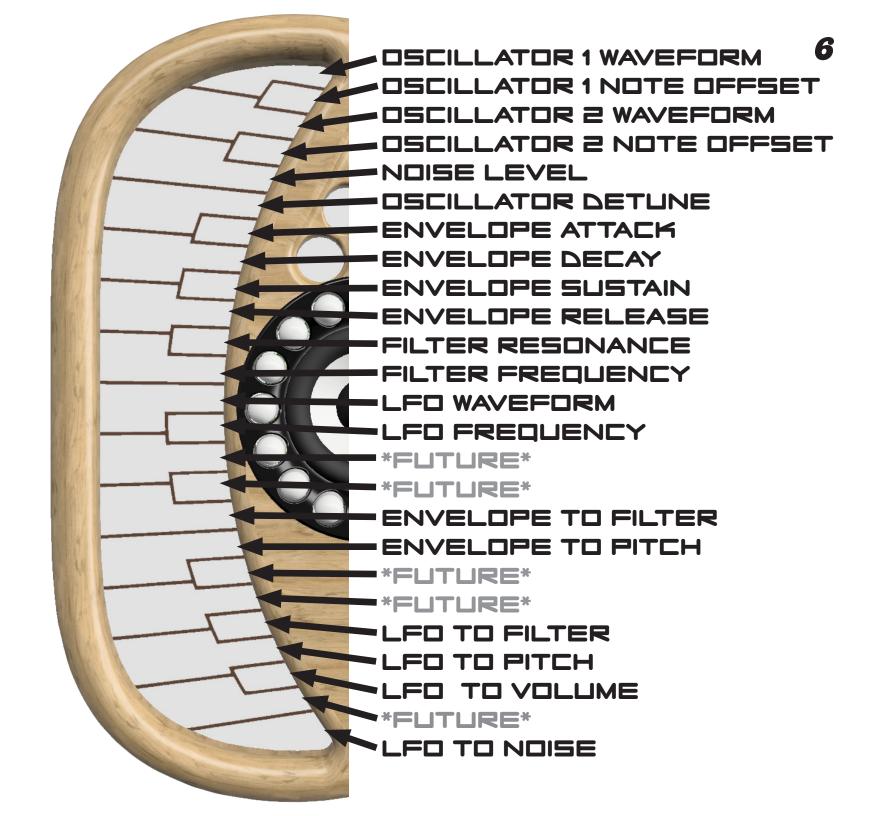
LED RING WILL ALTERNATE BETWEEN RIGHT HALF GREEN PARAMETER NUMBER BARGRAPH AND PARAMETER VALUE BARGRAPH

TAP ON KEYBOARD TO SELECT A NEW VALUE PARAMETER VALUE WILL LIPDATE (BARGRAPH WILL REFLECT THIS) SOUND WILL PLAY

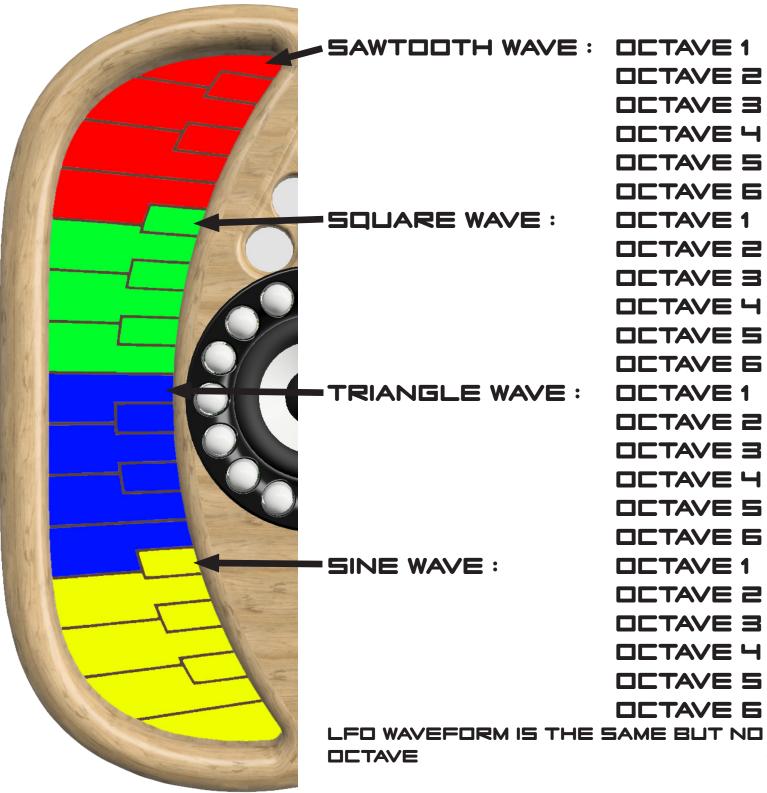
TAP "PARAMETER EDIT" AGAIN TO KEEP CHANGE YOU CAN PLAY ON THE KEYBOARD NOW TAP ANY OTHER BUTTON TO ABORT (WILL RETURN TO ORIGINAL SOUND)

PARAMETER LIST ON NEXT PAGE

A







SYSTEM EDIT

- CHANGE GLOBAL PARAMETER

PARAMETER TAP ONCE AND LED RING FLASHES YELLOW ON THE LEFT SIDE ONLY

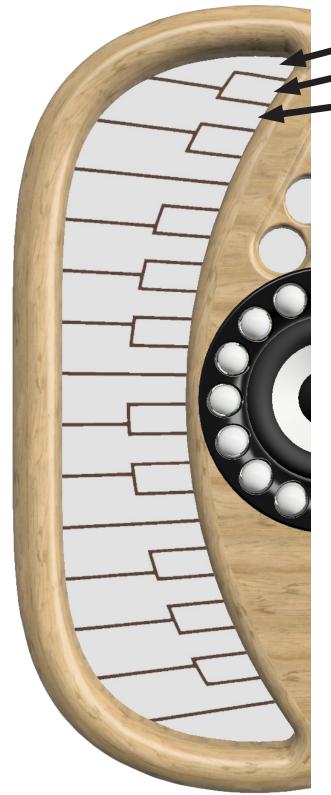
> TAP ON KEYBOARD TO SELECT A PARAMETER TO EDIT

LED RING WILL ALTERNATE BETWEEN RIGHT HALF YELLOW SYSTEM PARAMETER NUMBER BARGRAPH AND PARAMETER VALUE BARGRAPH

TAP ON KEYBOARD TO SELECT A NEW VALUE SYSTEM PARAMETER VALUE WILL LIPDATE (BARGRAPH WILL REFLECT THIS) SOUND WILL PLAY

TAP "SYSTEM PARAMETER EDIT" AGAIN TO KEEP YOU CAN PLAY ON THE KEYBOARD NOW TAP ANY OTHER BUTTON TO ABORT (WILL RETURN TO ORIGINAL VALUE)

PARAMETER LIST ON NEXT PAGE



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

FUTURE

•

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CARE INSTRUCTIONS

EACH WOOD 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 PCB WHEN PUTTING IT BACK TOGETH-ER SO AS NOT TO SCRATCH THE PCB.

SCHEMATIC StylusKeyboardA 1_C#0 2_D0 DIAGRAM 3 D#0 4 E0 5 F0 6 F#0 7 G0 8 G#0

KB1

C#0

DO

D#0

F0

F0

F#0

A#0

E1 17_F1

G1

Keyboard is pattern on front of PCB.

A#1

9 A0

10 A#0

<u>11</u>B0

<u>12</u>C1

13 C#1

14 D1

15 D#1 <u>16</u>E1

<u>18</u>F#1 19 G1

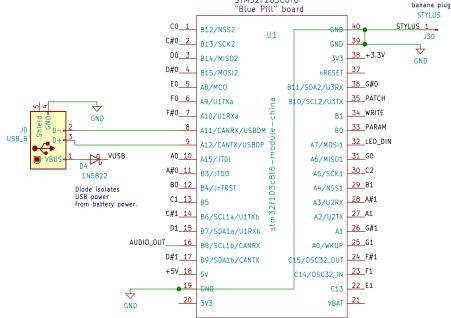
20_G#1

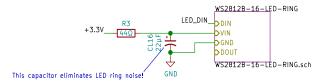
21_A1

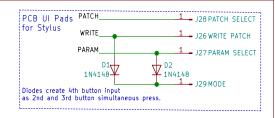
22_A#1

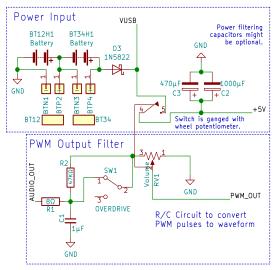
23 B1 В1

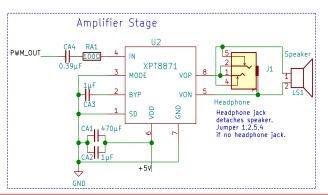
24 C2











VO.3.1 T.B. Trzepacz 2019/5/16 Amp volume control change again.

VO.3 T.B. Trzepacz 2019/5/7 Amp volume control and power switch

VO.2 T.B. Trzepacz 2018/10/14 USB and headphone added. Diodes for buttons and power.

V0.1 T.B. Trzepacz 2018/2/19

SoftEgg

attached via

Sheet:

File: Stylish-Belt-Synth - Full.sch

Title: "Stylish" Trucker Belt Stylus Synthesizer

Size: A4 Date: 2019-05-16 Rev: 0.31 KiCad E.D.A. kicad (5.1.0-998-gf550ecaf1) ld: 1/2



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

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Only hardware is sold for below cost, software is provided for free. I lost a lot of money on this. Watch for a Kickstarter soon!