

Quick Setup Guide

Wiring

There are four high-power channels on the GH v3 (see image below). The following LED connections are recommended for the respective LED setups:

- RGB LED:

- Channel 1: Red (negative)
- Channel 2: Green (negative)
- Channel 3: Blue (negative)
- Channel 4: Switch/Chamber/Accent LEDs (negative)

- RGBW LED:

- Channel 1: Red (negative)
- Channel 2: Green (negative)
- Channel 3: Blue (negative)
- Channel 4: White (negative)

- Single color blade LEDs with separate clash LED:

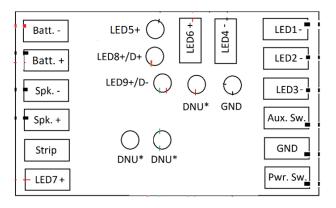
- Channel 1: Blade LEDs wired in parallel (negative)
- Channel 2: Clash LED (negative)
- Channel 3: Switch/Chamber/Accent LEDs (negative)
- Channel 4: Switch/Chamber/Accent LEDs (negative)

- Quad Cree with fixed color:

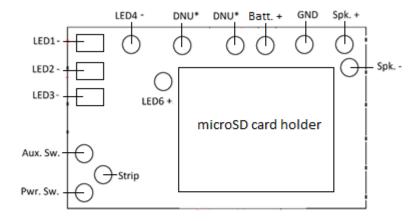
- Channel 1: Power (negative)*
- Channel 2: Power (negative)*
- Channel 3: Power (negative)*
- Channel 4: Switch/Chamber/Accent LEDs (negative)

- Neopixel:

- Channel 1: Power (negative)*
- Channel 2: Power (negative)*
- Channel 3: Power (negative)*
- Channel 4: Not connected
- * Alternatively, you can also use only channel 1 and channel 2 to power the Quad Cree with dedicated color or Neopixel. Using also channel 3 increases brightness slightly.



* DNU means "do not use this pad" as the corresponding pads do not have any purpose yet. However, this might change with future firmware updates.



* DNU means "do not use this pad" as the corresponding pads do not have any purpose yet. However, this might change with future firmware updates.

The position of the Batt. + pad indicated above holds only for the black boards. For its position on the green boards, please check the manual.

The table below lists the functions of each pad on the top side of the board.

| Pad | Function | Remark |
|----------|----------------------------------|---|
| Batt | Connect to negative of battery | Internally connected to all GND pads |
| Batt. + | Connect to positive of battery | |
| Spk | Connect to negative of speaker | |
| Spk. + | Connect to positive of speaker | |
| Strip | Connect to data line of Neopixel | Resistor is already included on the board |
| D + | Connect to D + of the USB module | |
| D - | Connect to D - of the USB module | |
| Aux. Sw. | Connect to auxiliary switch | Second pin of the switch needs to be |
| | (must be momentary if used) | connected to GND |
| GND | Ground | |

| Pwr. Sw. | Connect to power switch | Second pin of the switch needs to be |
|----------|------------------------------------|--|
| | (can be momentary or latching) | connected to GND |
| LED1 - | High-power LED output | |
| | (4,2 V and 9 A) | |
| LED2 - | High-power LED output | |
| | (4,2 V and 9 A) | |
| LED3 - | High-power LED output | |
| | (4,2 V and 9 A) | |
| LED4 - | High-power LED output | |
| | (4,2 V and 9 A) | |
| LED5 + | Accent LED output (3,3V and 20 mA) | Only available on phase 3 and 4 boards |
| LED6 + | Accent LED output (3,3V and 20 mA) | |
| LED7 + | Accent LED output (3,3V and 20 mA) | |
| LED8 + | Accent LED output (3,3V and 20 mA) | |
| LED 9 + | Accent LED output (3,3V and 20 mA) | |

To setup the Golden Harvest for your saber, please read the following instructions on how to choose your hardware setup and on how to choose your light effects.

Choosing Your Hardware Setup

You can easily customize your hardware setup by opening the "general.txt" file on your microSD card. To configure your board for your hardware setup, it is sufficient to adjust only three parameters which are described in the following.

| PARAMETER | DESCRIPTION |
|----------------|--|
| button_mode | Defines which button mode you want to use. The following modes are available: |
| | - button_mode=0: single momentary switch, effect menu, double tap to trigger some features |
| | - button_mode=4: single momentary switch, effect menu, twisting the saber instead of double tap to trigger some features - button_mode=1: one momentary switch and one latching switch - button_mode=2: two momentary switches, effect change without menu - button_mode=3: two momentary switches, effect menu |
| | - button_mode=6: two momentary switches, effect menu, twisting the saber instead of double tap to trigger some features. |
| usb | Defines if you want to use USB for charging and file transfer. The following values are possible: - usb=0: disable USB - usb=1: enable USB |
| number_of_leds | Defines the number of Pixels in your blade. Only needed to adjust if you are using Pixel strips. Please count only the number of LEDs of one of the Pixel strips. Usually, the number is between 110 and 135. The number of LEDs is internally clamped to 140. |

There are even more customizable parameters in the "general.txt" of course, but to configure your Golden Harvest v3 for your hardware setup, only these three parameters need to be adjusted.

Choosing Your Light Effects

You can easily customize your light effects by changing the value of the parameter "effect_font_slot" in the "general.txt" file on your microSD card. In the image below, you see which values correspond to the different LED setups. For Neopixel, there are three default packages available that differ with respect to the number of presets that they include.

| slot1 - In-Hilt Dedicated Color | 10.08.2020 21:05 | Dateiordner |
|--|------------------|-------------|
| slot2 - In-Hilt Dedicated Color plus Clash | 11.07.2020 16:25 | Dateiordner |
| slot3 - In-Hilt RGB LED with Colored Clash | 20.08.2020 12:25 | Dateiordner |
| slot4 - In-Hilt RGB LED with White Clash | 21.08.2020 11:44 | Dateiordner |
| slot5 - In-Hilt RGBA | 21.08.2020 11:34 | Dateiordner |
| slot6 - In-Hilt RGBW | 21.08.2020 11:52 | Dateiordner |
| slot7 - Neopixel Basic | 21.08.2020 11:25 | Dateiordner |
| slot8 - Neopixel Default | 23.08.2020 13:30 | Dateiordner |
| slot9 - Neopixel Extended | 23.08.2020 13:31 | Dateiordner |
| slot10 - Custom | 11.07.2020 16:29 | Dateiordner |

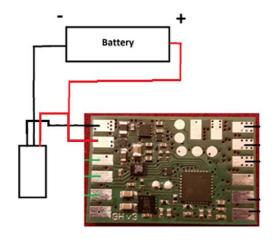
In the following, the wiring of a recharge port and of our Seedling USB module are shown. Both wiring diagrams depict the respecitve connections independent from the actual LED setup you are using. Please also have a look at the wiring diagrams for the LED setups.

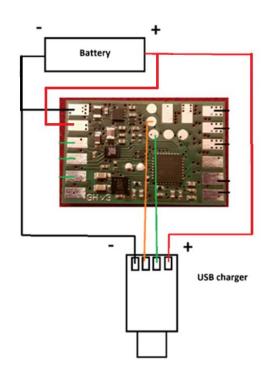
Recharge Port (in addition to LED wiring)

The wiring of a recharge port is shown below. It is the same for any LED setup. The recharge port has to be connected such that it connects "Batt. —" and the negative of the battery if the kill key is pulled out.

Seedling module (in addition to LED wiring)

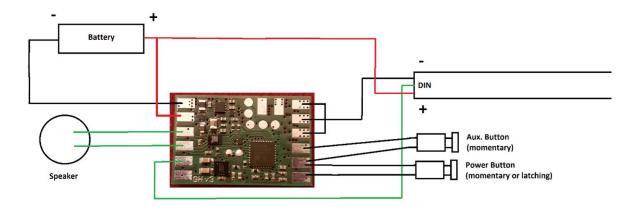
The wiring of the Seedling module is shown below. It is the same for any LED setup. Please make sure that the orange and green wires are of same length.





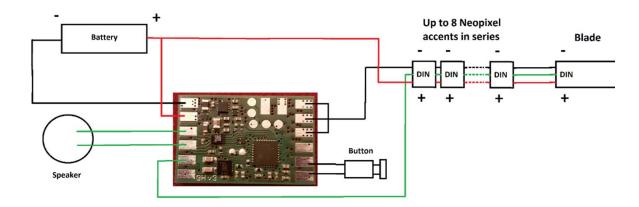
Neopixel without Neopixel accents

The wiring of Neopixel is shown below. To setup your board to Neopixel, set the parameter "number_of_leds" in the "general.txt" to the number of neopixel LEDs in your blade. There is already a 470 Ohm data line resistor on the board so that you don't need to add one. If your blade is pre-resistored, this will not affect the functionality. If you want to use standard accent LEDs with a Pixel blade, make sure to use the pads LED5 - LED9.

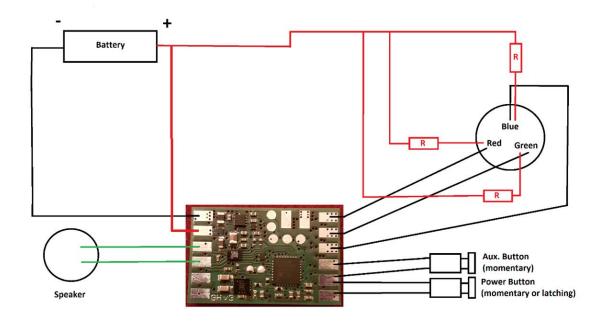


Neopixel with Neopixel Accents

The wiring of a Neopixel blade with using Neopixel accents is shown below. Just wire them in series to the blade and set the parameter "number_of_neopixel_accents" in your "general.txt" file to the number of Neopixel accents you are using. The maximum possible number is 8. There is already a 470 Ohm data line resistor on the board so that you don't need to add one. If your blade is pre-resistored, this will not affect the functionality. If you want to use standard accent LEDs with a Pixel blade, make sure to use the pads LED5 - LED9.

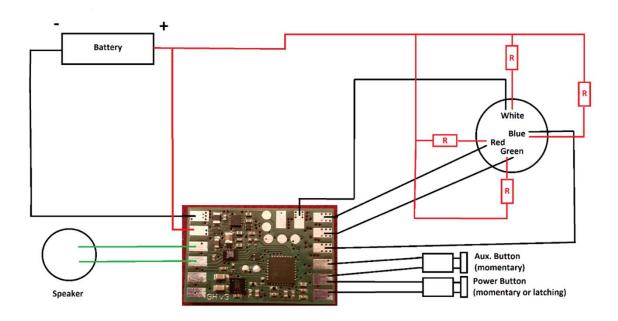


The wiring of an In-Hilt RGB LED is shown below. If you want to use additional accent LEDs, please use LED channel 4. More LED channels will be available to drive accent LEDs after future firmware updates.



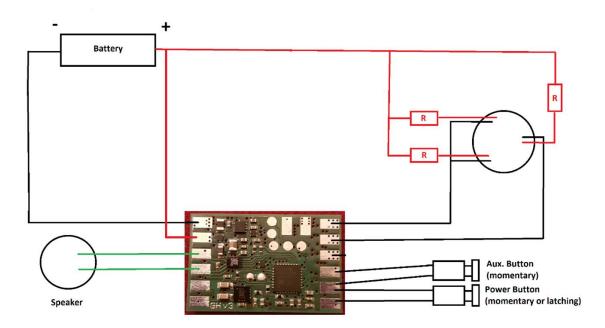
RGBW

The wiring of an In-Hilt RGBW LED is shown below. If you want to use additional accent LEDs, please use LED channel 4. More LED channels will be available to drive accent LEDs after future firmware updates.

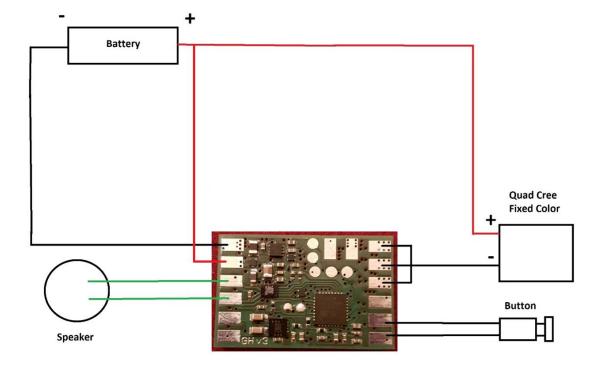


Single color blade with separate clash

The wiring of an In-Hilt LED as single color blade with separate clash is shown below. If you want to use additional accent LEDs, please use LED channel 3 or LED channel 4. More LED channels will be available to drive accent LEDs after future firmware updates.



Quad Cree with fixed color



Resistors are not depicted. They should be used to limit the LED current.

Navigation Using Two Momentary Buttons

There are three different navigation layouts for two momentary buttons from which you can choose your favorite one. The two buttons are reffered to as auxiliary and power button according to the wiring examples above. The first of the possible navigation layouts contains a change of background and on top effects on-the-fly and is shown below. It can be selected by setting the parameter "button_mode=2" in the "general.txt" file on your microSD card.

| FUNCTION | TRIGGERING WITH TWO BUTTONS |
|-------------------------------|---|
| POWER ON | Tap the power button |
| CHANGE ON TOP EFFECT* | Tap the power button |
| CHANGE BACKGROUND EFFECT* | Double tap the power button |
| CHANGE SOUND FONT* | Tap the auxiliary button before the blade is ignited |
| LOCKUP | Hold auxiliary button while pointing the saber upwards |
| DRAG | Hold auxiliary button while pointing the saber downwards |
| ENTER MELT MODE | Hold the power button, release it and then perform a stab |
| LEAVE MELT MODE | Tap the power button |
| BLASTER BLOCK | Tap the auxiliary button |
| FORCE PUSH | Double tap the auxiliary button |
| ENTER COLOR WHEEL | Hold the power button, release it and then twist the saber |
| ∟ CHANGE COLOR | ∟ Twist the saber |
| □ GO TO NEXT SABER STATE | ∟ Tap the power button |
| SAVE AND LEAVE COLOR WHEEL | Hold the power button |
| ACTIVATE POWER SAVING | Hold the power button while performing a stab |
| DEACTIVATE POWER SAVING | Hold the power button while performing a stab |
| START BACKGROUND MUSIC | Double tap the power button before the saber is ignited |
| ∟ SKIP TRACK | ∟ Twist the saber |
| STOP BACKGROUND MUSIC | Double tap the power button before the saber is ignited |
| SHOW BATTERY INDICATOR | Hold the power button while performing a stab before the saber is ignited |
| ∟ CALIBRATE BATTERY | |
| ENTER VOLUME CONTROL | Twist the saber, then perform a stab before the saber is ignited |
| ∟ ADJUST VOLUME | ∟ Twist the saber |
| SAVE AND LEAVE VOLUME CONTROL | Tap the power button |
| WAKE UP FROM DEEP SLEEP | Tap the power button |
| POWER OFF | Hold the power button until the saber shuts down |
| RESET | Hold the power button for 10 s |
| | |

The second option you have for the navigation layout for two momentary buttons uses an effect menu to change the background and on top effects. After entering the menu, the changes can be triggered by tapping or double tapping the power switch, respectively. The navigation layout is shown below. It can be selected by setting the parameter "button_mode=3" in the "general.txt" file on your microSD card.

| FUNCTION | TRIGGERING WITH TWO BUTTONS |
|-------------------|------------------------------------|
| POWER ON | Tap the power button |
| ENTER EFFECT MENU | Hold the power button, then tap it |
| | ∟ Tap the power button |

| | ∟ Double tap the power button |
|-------------------------------|---|
| SAVE AND LEAVE EFFECT MENU | Hold the power button |
| CHANGE SOUND FONT* | Tap the auxiliary button before the blade is ignited |
| LOCKUP | Hold auxiliary button while pointing the saber upwards |
| DRAG | Hold auxiliary button while pointing the saber downwards |
| ENTER MELT MODE | Hold the power button, release it and then perform a stab |
| LEAVE MELT MODE | Tap the power button |
| BLASTER BLOCK | Tap the auxiliary button |
| FORCE PUSH | Double tap the auxiliary button |
| ENTER COLOR WHEEL | Hold the power button, release it and then twist the saber |
| | ∟ Twist the saber |
| □ GO TO NEXT SABER STATE | ∟ Tap the power button |
| SAVE AND LEAVE COLOR WHEEL | Hold the power button |
| ACTIVATE POWER SAVING | Hold the power button while performing a stab |
| DEACTIVATE POWER SAVING | Hold the power button while performing a stab |
| START BACKGROUND MUSIC | Double tap the power button before the saber is ignited |
| ∟ SKIP TRACK | ∟ Twist the saber |
| STOP BACKGROUND MUSIC | Double tap the power button before the saber is ignited |
| SHOW BATTERY INDICATOR | Hold the power button while performing a stab before the saber is ignited |
| ∟ CALIBRATE BATTERY | |
| ENTER VOLUME CONTROL | Twist the saber, then perform a stab before the saber is ignited |
| △ ADJUST VOLUME | ∟ Twist the saber |
| SAVE AND LEAVE VOLUME CONTROL | Tap the power button |
| WAKE UP FROM DEEP SLEEP | Tap the power button |
| POWER OFF | Hold the power button until the saber shuts down |
| RESET | Hold the power button for 10 s |

The third option you have for the navigation layout for two momentary switches also uses an effect menu to change the background and on top effects. However, double tapping the power switch to trigger the change of the background effects is replaced by twisting the saber. The navigation layout is shown below. It can be selected by setting the parameter "button_mode=6" in the "general.txt" file on your microSD card.

| FUNCTION | TRIGGERING WITH TWO BUTTONS |
|----------------------------|---|
| POWER ON | Tap the power button |
| ENTER EFFECT MENU | Hold the power button, then hold it again |
| | ∟ Tap the power button |
| | ∟ Twist the saber |
| SAVE AND LEAVE EFFECT MENU | Hold the power button |
| CHANGE SOUND FONT* | Tap the auxiliary button before the blade is ignited |
| ENTER LOCKUP MODE | Hold the auxiliary button, then tap it while pointing the saber upwards |
| LEAVE LOCKUP MODE | Tap the auxiliary button |
| ENTER DRAG MODE | Hold the auxiliary button, then tap it while pointing the saber downwards |
| LEAVE DRAG MODE | Tap the auxiliary button |
| ENTER MELT MODE | Hold the power button, release it and then perform a stab |

| LEAVE MELT MODE | Tap the power button |
|-------------------------------|--|
| BLASTER BLOCK | Tap the auxiliary button |
| FORCE PUSH | Hold the auxiliary button while twisting the saber |
| ENTER COLOR WHEEL | Hold the power button, release it and then twist the |
| | saber |
| | ∟ Twist the saber |
| □ GO TO NEXT SABER STATE | ∟ Tap the power button |
| SAVE AND LEAVE COLOR WHEEL | Hold the power button |
| ACTIVATE POWER SAVING | Hold the power button while performing a stab |
| DEACTIVATE POWER SAVING | Hold the power button while performing a stab |
| START BACKGROUND MUSIC | Hold the power button while twisting the saber before |
| | the saber is ignited |
| ∟ SKIP TRACK | ∟ Twist the saber |
| STOP BACKGROUND MUSIC | Hold the power button while twisting the saber before |
| | the saber is ignited |
| SHOW BATTERY INDICATOR | Hold the power button while performing a stab before |
| | the saber is ignited |
| | |
| | while battery level is displayed |
| ENTER VOLUME CONTROL | Twist the saber, then perform a stab before the saber is |
| | ignited |
| ∟ ADJUST VOLUME | ∟ Twist the saber |
| SAVE AND LEAVE VOLUME CONTROL | Tap the power button |
| WAKE UP FROM DEEP SLEEP | Tap the power button |
| POWER OFF | Hold the power button until the saber shuts down |
| RESET | Hold the power button for 10 s |

^{*} When changing the On Top Effect, Background Effect or Sound Font, you can go to the next one by pointing your saber upwards during selection or to the previous one by pointing your saber downwards.

Navigation Using Only One Momentary Button

As mentioned above, all of the features of our board are accessible even with using only one momentary button. There are two different navigation layouts for a single momentary button from which you can choose your favorite one. The first of the possible navigation layouts uses a double tap to trigger some features. It is shown below and can be selected by setting the parameter "button_mode=0" in the "general.txt" file on your microSD card.

| FUNCTION | TRIGGERING WITH ONE MOMENTARY SWITCH |
|----------------------------|---|
| POWER ON | Tap the button |
| ENTER EFFECT MENU | Hold the button, then tap it |
| | ∟ Tap the button |
| | ∟ Double tap the button |
| SAVE AND LEAVE EFFECT MENU | Hold the button |
| CHANGE SOUND FONT* | Hold the button before igniting the blade |
| LOCKUP | Tap the button, then hold it while pointing the saber |
| | upwards |

| DRAG | Tap the button, then hold it while pointing the saber downwards |
|-------------------------------|---|
| ENTER MELT MODE | Hold the power button, release it and then perform a stab |
| LEAVE MELT MODE | Tap the power button |
| BLASTER BLOCK | Tap the button |
| FORCE PUSH | Double tap the button |
| ENTER COLOR WHEEL | Hold the power button, release it and then twist the saber |
| | ∟ Twist the saber |
| □ GO TO NEXT SABER STATE | ∟ Tap the power button |
| SAVE AND LEAVE COLOR WHEEL | Hold the power button |
| ACTIVATE POWER SAVING | Hold the power button while performing a stab |
| DEACTIVATE POWER SAVING | Hold the power button while performing a stab |
| START BACKGROUND MUSIC | Double tap the power button before the saber is ignited |
| ∟ SKIP TRACK | ∟ Twist the saber |
| STOP BACKGROUND MUSIC | Double tap the power button before the saber is ignited |
| SHOW BATTERY INDICATOR | Hold the power button while performing a stab before the saber is ignited |
| ∟ CALIBRATE BATTERY | |
| ENTER VOLUME CONTROL | Twist the saber, then perform a stab before the saber is ignited |
| △ ADJUST VOLUME | ∟ Twist the saber |
| SAVE AND LEAVE VOLUME CONTROL | Tap the power button |
| WAKE UP FROM DEEP SLEEP | Tap the power button |
| POWER OFF | Hold the power button until the saber shuts down |
| RESET | Hold the power button for 10 s |

The second option for the navigation layout uses a twist of the saber instead of a double tap to trigger some features. It is shown below and can be selected by setting the parameter "button_mode=4" in the "general.txt" file on your microSD card.

| FUNCTION | TRIGGERING WITH ONE MOMENTARY SWITCH |
|-----------------------------|---|
| POWER ON | Tap the button |
| ENTER EFFECT MENU | Hold the button, then hold it again |
| | ∟ Tap the button |
| □ CHANGE BACKGROUND EFFECT* | ∟ Twist the saber |
| SAVE AND LEAVE EFFECT MENU | Hold the button |
| CHANGE SOUND FONT* | Hold the button before igniting the blade |
| ENTER LOCKUP MODE | Hold the button, then tap it while pointing the saber upwards |
| LEAVE LOCKUP MODE | Tap the button |
| ENTER DRAG MODE | Hold the button, then tap it while pointing the saber downwards |
| LEAVE DRAG MODE | Tap the button |
| ENTER MELT MODE | Hold the power button, release it and then perform a stab |
| LEAVE MELT MODE | Tap the power button |
| BLASTER BLOCK | Tap the button |
| FORCE PUSH | Hold the button while twisting the saber |
| ENTER COLOR WHEEL | Hold the power button, release it and then twist the |

∟ Twist the saber

∟ CHANGE COLOR

| △ GO TO NEXT SABER STATE | ∟ Tap the power button |
|---------------------------------|---|
| | |
| SAVE AND LEAVE COLOR WHEEL | Hold the power button |
| ACTIVATE POWER SAVING | Hold the power button while performing a stab |
| DEACTIVATE POWER SAVING | Hold the power button while performing a stab |
| START BACKGROUND MUSIC | Hold the button while twisting the saber before the saber |
| | is ignited |
| ∟ SKIP TRACK | ∟ Twist the saber |
| STOP BACKGROUND MUSIC | Hold the button while twisting the saber before the saber |
| | is ignited |
| SHOW BATTERY INDICATOR | Hold the power button while performing a stab before |
| | the saber is ignited |
| ∟ CALIBRATE BATTERY | |
| | while battery level is displayed |
| ENTER VOLUME CONTROL | Twist the saber, then perform a stab before the saber is |
| | ignited |
| △ ADJUST VOLUME | ∟ Twist the saber |
| SAVE AND LEAVE VOLUME CONTROL | Tap the power button |
| WAKE UP FROM DEEP SLEEP | Tap the power button |
| POWER OFF | Hold the power button until the saber shuts down |
| RESET | Hold the power button for 10 s |
| | |

^{*} When changing the On Top Effect, Background Effect or Sound Font, you can go to the next one by pointing your saber upwards during selection or to the previous one by pointing your saber downwards.

Navigation Using One Momentary Button and One Latching Switch

FUNCTION

Alternatively to using only one momentary button, you can also use one momentary button and one latching switch. The navigation layout is shown below. It can be selected by setting the parameter "button_mode=1" in the "general.txt" file on your microSD card.

TRIGGERING WITH ONE MOMENTARY BUTTON AND

| | ONE LATCHING SWITCH |
|----------------------------|---|
| POWER ON | Turn on latching switch |
| ENTER EFFECT MENU | Hold the auxiliary button, then hold it again |
| □ CHANGE ON TOP EFFECT* | |
| | ∟ Twist the saber |
| SAVE AND LEAVE EFFECT MENU | Hold the auxiliary button |
| CHANGE SOUND FONT* | Hold the auxiliary button before igniting the blade |
| ENTER LOCKUP MODE | Hold the auxiliary button, then tap it while pointing the saber upwards |
| LEAVE LOCKUP MODE | Tap the auxiliary button |
| ENTER DRAG MODE | Hold the auxiliary button, then tap it while pointing the saber downwards |
| LEAVE DRAG MODE | Tap the auxiliary button |
| ENTER MELT MODE | Hold the auxiliary button, release it and then perform a stab |
| LEAVE MELT MODE | Tap the auxiliary button |
| BLASTER BLOCK | Tap the auxiliary button |
| FORCE PUSH | Hold the auxiliary button while twisting the saber |

| ENTER COLOR WHEEL | Hold the auxiliary button, release it and then twist the saber |
|---------------------------------|--|
| ∟ CHANGE COLOR | ∟ Twist the saber |
| ∟ GO TO NEXT SABER STATE | ∟ Tap the auxiliary button |
| SAVE AND LEAVE COLOR WHEEL | Hold the auxiliary button |
| ACTIVATE POWER SAVING | Hold the auxiliary button while performing a stab |
| DEACTIVATE POWER SAVING | Hold the auxiliary button while performing a stab |
| START BACKGROUND MUSIC | Hold the auxiliary button while twisting the saber before the saber is ignited |
| ∟ SKIP TRACK | ∟ Twist the saber |
| STOP BACKGROUND MUSIC | Hold the auxiliary button while twisting the saber before the saber is ignited |
| SHOW BATTERY INDICATOR | Hold the auxiliary button while performing a stab before the saber is ignited |
| ∟ CALIBRATE BATTERY | |
| ENTER VOLUME CONTROL | Twist the saber, then perform a stab before the saber is ignited |
| ∟ ADJUST VOLUME | ∟ Twist the saber |
| SAVE AND LEAVE VOLUME CONTROL | Tap the auxiliary button |
| WAKE UP FROM DEEP SLEEP | Tap the auxiliary button |
| POWER OFF | Turn off latching switch |

* When changing the On Top Effect, Background Effect or Sound Font, you can go to the next one by pointing your saber upwards during selection or to the previous one by pointing your saber downwards.

Important notes

- When you cut off the power from the board (e. g. by inserting a kill key or removing the battery), please make sure that the power stays disconnected for at least 30 s before you power it again. This is necessary to make sure the board shuts down properly. If you don't wait for 30 s, the board will not be damaged, but it might not boot.
- When you have discharged your battery completely and you are using the Seedling extender board for USB charging, make sure to wait for 30 s after the battery was fully depleted before you charge your saber.

Frequently Asked Questions

- My saber does not boot after pulling the kill key. How can I fix that?
 Answer: This can happen when you put the kill key in the recharge port and pull it out again shortly afterwards. Make sure that you wait for at least 2 minutes before you pull the kill key out again after having inserted it.
- There are no blaster and lockup effects in Neopixel setup for example. How can I fix that?

 Answer: The most probable reason for this is that you forgot to activate the Neopixel light effects on your microSD card. Please follow the steps described in the section "Choosing Your Light Effects"

- My blade is blinking white. How can I fix that?
 Answer: The white blinking indicates that your microSD card is not inserted properly or some files or folders are missing on it.
- There is no sound or stuttering sound. How can I fix that? Answer: Please recharge your saber.
- Some sound files are not played or some sound fonts are not recognized. How can I fix that? Answer: Please check that your sound font folders and the sound file names are enumerated continuously and check the naming of the sound files.
- The Seedling Module is connected to my computer, but even after 10 minutes it does not recognize the microSD card as mass storage device. How can I fix that?

 Answer: Please check the device manager, look for an "unknown device", click on it with the right mouse button and uninstall the "unknown device". After that, you can try to reconnect the Seedling Module to your computer. Also make sure that you are using a computer with Windows 7 or Windows 10.