



IMPERIAL WORKSHOP MANUAL





Products and Our Company

Imperial Workshop is devoted to giving our customers the best sabers on the market for the most cost effective price. We strive to provide the best customer support for our quality and durable products.

You can follow our journey on the following platforms:

- Instagram: ImperialWorkshopOfficial
- Tik-Tok: Imperial Workshop
- Facebook: Imperial Workshop
- Youtube: Imperial Workshop

We are always happy to help answer any questions you may have on any of the platforms listed above or reach out to us directly at ImperialWorkshopLLC@gmail.com





Warning!

This product is not recommended for children under 13 years old.
Children under the age of 16 years should always
be supervised by an adult to prevent injuries.
Always act responsible, safe and respectful.

**Fully Charge Saber Before Operating! ONLY use the Included
Cable with 5V1A USB OR 5V Wall Charger FAILURE TO COMPLY
WITH THESE INSTRUCTIONS WILL RESULT IN A FIRE HAZARD,
OR DAMAGED ELECTRONICS!**

THIS WILL VOID YOUR WARRANTY!!!

WARRANTY

For defective products that have had an electronic malfunction
(not inflicted by the user), please contact us to arrange
a warranty service. Our warranty on all products
is 14 days from when your first receive the product.
Once that warranty service (repair) has been used your
product will no longer be covered under warranty.
There is no implied warranty for our products
International orders will be responsible for any additional
shipping costs.

Warning: Frying your board is not covered by our warranty.

To prevent frying your board DO NOT use a power source
that is over 5V and 1 Amp to charge your saber. Check the specs
of your charger and it is always recommended that you use a
computers USB port to charge your saber (5V and 0.5 Amp).





RETURNS

All returns must be postmarked within fourteen (14) days of the purchase date. All returned items must be in new and unused condition, with all original labels and tags attached.

RETURN PROCESS

To return an item(s), please contact customer service to obtain a Return Merchandise Authorization (RMA) number. After receiving a RMA number, place the item securely in its original packaging, and mail your return to the address we provide.

Please keep in mind, you will be responsible for all return shipping charges. We strongly suggest using a trackable method to mail the return. If the product is lost when sending it back there is nothing our team can do to assist you.

REFUNDS

After receiving the return and inspecting the condition of your item, we may process the refund. Please allow for up to at least seven (7) days from the receipt of your item to process your return. Refunds vary between 3-5 business days to appear on your credit card statement, depending on your credit card company. Imperial Workshop will notify you by email when your return has been processed.





If the troubleshooting steps on the subsequent pages do not help to solve your issue please contact us.

You may also find your solution among our help videos posted on our YouTube channel linked to the QR code below:



<https://www.youtube.com/c/ImperialWorkshop>







Proffie 3.0 Saber

BASIC INSTRUCTIONS:

- Press and hold the LED button to bring out of sleep mode. You will hear a 'Power On' voice, and the LED button will turn on.
- Press the button once, quickly, to turn the blade on.
- The following controls activate when the blade is on, and are based on the flash of the LED button light:

- 1) A quick press will initiate a single blaster deflect effect.
- 2) Press and hold the button for ONE flash, then release. This will initiate the lockup effect. A quick press will end the lockup effect.
- 3) Press and hold the button for TWO flashes, then release. This will initiate the color cycle. When the color you want shows, a quick press will end the color cycle.
- 4) Press and hold the button for 3 flashes to enter quick color select. When a color you like appears, press the button once to exit.
- 5) Press and hold past 3 flashes to shut off the blade.

While the blade is off, the following controls are activated based on the flash of the LED button light:

- 1) Press and hold the button for ONE flash, then release. This will change the volume. There are 3 volume settings: Volume High, Volume Low, and Mute.
- 2) Press and hold the button for TWO flashes, then release. This will change the blade effect. There are 3 blade effects: Steady, Pulse, and Unstable.
- 3) Press and hold the button for THREE flashes, then release. This will change the sound font to the next selection.
- 4) Press and continue to hold past the third flash for approximately 10 seconds to put the saber back into sleep mode.





XENOPixel

(2.0 Sabers)

BASIC INSTRUCTIONS:

- Press and hold the LED button to power on your saber. You will hear a 'Power On' voice, and the LED button will turn on.
- Hold the button down until the saber says "Powering Off", to turn off.
- The following controls activate when the blade is on,
 - 1) Clicking the button once will activate a blaster deflect.
 - 2) Holding the button and initiating a hit while the saber is pointed down will activate the tip drag effect.
 - 3) Holding the button and initiating a hit while the saber is pointed up will activate the blade lock effect.
 - 4) Holding the button and rotating the hilt rapidly back and forth while it is pointed down will activate color change mode.
- While the blade is off,
 - 1) Pressing the button once will ignite the blade.
 - 2) Double clicking the button will activate the music for the selected font.
 - 3) Holding down the button and initiating a hit while the saber is off will activate the volume control setting. Each click will raise the volume until the max volume is reached. Once the desired volume level is reached hold the button down again and initiate a hit.
 - 4) Rapidly clicking the button 3 times will read off the current power level of the saber as a percentage.





While the saber is powered on:

Stab the saber in any direction to quickly ignite the blade.



Rapidly rotate the saber while it is pointed in any direction to ignite the saber. You may also use this motion to turn off the blade.



Holding the button while the saber is pointed at a level or upward angle and hitting the blade will activate the blade lock effect.



Holding the button while the saber is pointed at a downward angle and hitting the blade will activate the tip drag effect.





UPDATING FIRMWARE:

In order to update effects, fix potential issues, and make improvements, firmware updates may be released as needed. To make this as easy as possible to update, we currently only require one file be added to effect the upgrade. Please follow the steps below to upgrade your XenoPixel V2 board.

- 1) Remove the grip and pommel to access your XenoPixel chassis.



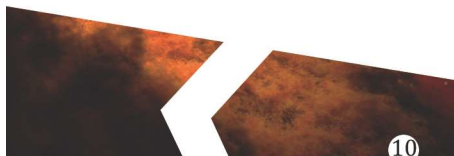
- 2) Carefully remove the battery. This is most easily done by lightly tapping the end of the chassis against your hand. Remember the chassis is marked to ensure, on reinserting the battery, that the positive and negative ends line up correctly.



- 3) Locate the micro SD card in the chassis. Be sure to note the orientation to make re-installation easier.



- 4) Carefully remove the micro SD card. Use your fingers or tweezers. Do not force the card upward or downward, as this could damage the connector.





UPDATING FIRMWARE (CONTINUED):

The next set of steps are for the installation of the firmware:

- 1) Download the 'update.bin' file from your vendor/source. Open the file's location on your PC or Mac.



- 2) Open the micro SD card, and open the 'set' folder shown below:

16	7/13/2021 1:51 PM	File folder
17	7/13/2021 1:51 PM	File folder
18	7/13/2021 1:51 PM	File folder
set	7/13/2021 1:50 PM	File folder

- 3) Drop the 'update.bin' in the 'set' folder, as shown:

steady.wav	12/21/2020 8:45 AM	Microsoft Wave S...	75 KB
unstable.wav	12/21/2020 8:47 AM	Microsoft Wave S...	108 KB
update.bin	8/2/2021 11:54 AM	BIN File	323 KB

- 4) Once the .bin file is in the 'set' folder, safely eject your micro SD card, and install it back into your chassis.

- 5) Install the battery, but do not turn the hilt on; wait for sound confirmations, once the battery is installed, indicating that the update has begun, followed by one that indicates it has been completed. Please listen carefully as the sound may be difficult to make out. Normal updates should take only a few seconds – vendors will be made aware of larger updates as they become available.





CONVERTING SOUNDFONTS:

Converting sounds over to work with XenoPixel can take some patience, but is not a difficult process. At this time, conversion must be done manually.

The font folder must be numbered sequentially; XenoPixel will not read folders with names. You won't likely have to edit any sound files from existing popular soundfont formats, such as Proffie or CFX, but you will have to remove some files, and rename others.

blaster (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	127 KB
blaster (2).wav	2020-03-25 11:59 AM	Microsoft Wave S...	127 KB
clash (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	59 KB
clash (2).wav	2020-03-25 11:59 AM	Microsoft Wave S...	51 KB
drag (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	680 KB
font (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	202 KB
font (2).wav	2020-03-25 11:59 AM	Microsoft Wave S...	414 KB
hum (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	1,379 KB
in (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	59 KB
in (2).wav	2020-03-25 11:59 AM	Microsoft Wave S...	59 KB
lock (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	1,536 KB
out (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	101 KB
out (2).wav	2020-03-25 11:59 AM	Microsoft Wave S...	114 KB
swingh (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	1,322 KB
swingh (2).wav	2020-03-25 11:59 AM	Microsoft Wave S...	1,322 KB
swingl (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	1,322 KB
swingl (2).wav	2020-03-25 11:59 AM	Microsoft Wave S...	1,322 KB
track (1).wav	2020-03-25 11:59 AM	Microsoft Wave S...	5,273 KB
track (2).wav	2020-03-25 11:59 AM	Microsoft Wave S...	8,310 KB

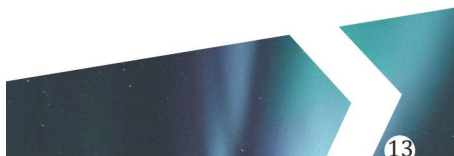
The above example shows XenoPixel accepted sound file types. Although the example only shows a maximum of 2 for each sound, you can add many more (tested up to 16). Windows 10 will automatically number renamed files of the same name, making converting multiple files of the same sound type much easier.





TROUBLESHOOTING

1. Saber does not turn on.
A. Please charge for 4-8 hours.
2. Saber still doesn't start after charging.
A. Remove the battery and check the battery contact plates, to ensure they are making contact. Gently bend them up if they are not making contact, reinsert battery, and turn on the saber.
3. Saber has no sound.
A. Saber might be set to Mute mode. Please check instructions ensure volume is set properly. With the blade off, press and hold the button then hit the handle of the saber. You can then click the button to change to volume level.
4. Saber has no swing, hum, or clash sounds.
A. Usually this is from low battery power. If you have not charged your saber please do so. Also please ensure that the SD card is properly programmed and seated in the board.
5. When charging, saber cues 'Charging' then immediately indicates 'Ready'.
A. The battery is not making contact properly with the contact plates inside. Open the saber, remove the battery and adjust contact plates so that both touch easily.
6. Blade or retention screws are loose on the saber.
A. Use the included hex key to tighten retention screws on the saber. Alternatively you can wrap a small piece of clear tape around the base of the blade to increase it's thickness.





TROUBLESHOOTING (CONT.)

7. Saber stops working suddenly.
A. Remove the battery and check contact plates. Reinsert the battery, charge the saber and try again.
8. The white fonts are not appearing 100% white and have a slight yellow tint. This issue is usually due to a low charge and can be solved by charging you saber
9. Saber is saying "Font directory too long" or "Font directory not found". The typical cause of this issue is due to a corrupted SD card .Please contact our support team for the original SD Card files and for additional assistance.

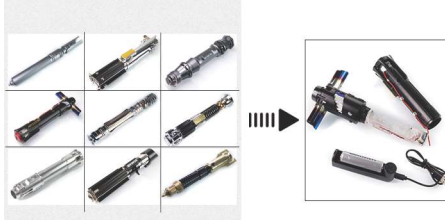
If you are experiencing issues with any of these steps or would like clarification, do not hesitate to reach out to us.

Our support team would be happy to help with any questions you may have.

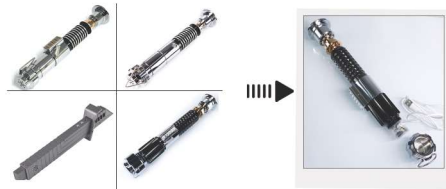


Charging Methods

Disassemble body & remove battery to charge



Remove the pommel to charge



Directly plug in the charging cable



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