

# Switch 2 User Manual

HVIN:SWITCH 2



## Safety Information

Dr. Dabber products are intended for use by persons of legal smoking age, not by nonsmokers or by children, women who are pregnant or breastfeeding, or persons with or at risk of heart disease, high blood pressure, hypertension, diabetes, or taking medicine for depression or asthma. Discontinue use and consult a physician if you experience misuses symptoms such as nausea, vomiting, dizziness, diarrhea, weakness and rapid heart-beat or hypertension.

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## Induction Safety

Do not place any foreign metallic material in the glass top of the SWITCH 2. Induction heating systems will heat ANY CONDUCTIVE materials placed inside the electromagnetic fields. Use ceramic or glass loading and dab tools when the SWITCH 2 is in operation.

A very small percentage of individuals may experience epileptic seizures or blackouts when exposed to certain light patterns or flashing lights. These conditions may trigger previously undetected epileptic symptoms or seizures in persons who have no history of prior seizures or epilepsy. If you, or anyone in your family has an epileptic condition or has had seizures of any kind, consult your physician before using.

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## Warranty Information

Register your Dr. Dabber product upon receiving your unit.

Visit [DrDabber.com/Register](https://DrDabber.com/Register) to get started!

This unit is under a 24 month Warranty on electronic components, battery pack, and charging cable and adapter.

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**Read the User Manual fully BEFORE operating your Dr. Dabber SWITCH. Improper operation can lead to damaging the unit, voiding the warranty, and possible harm to the user.**

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## The SWITCH 2 and Induction Heating

Dr. Dabber is proud to launch the SWITCH 2, our first induction heating unit capable of vaporizing oil or leaf materials with precise power & carefully calibrated temperature profiles.

The SWITCH 2 was designed and developed from the ground up in the United States by our unique team of engineers, scientists, designers, and vaporizer experts. The result is a truly unique product that addresses the shortcomings most people are used to with a vaporizing device.

In technical terms, the SWITCH 2 is a precision directed energy delivery device using electromagnetic coupling to transmit energy in the form of an oscillating magnetic field into the induction cups. Advanced electronics are employed to create a high frequency alternating magnetic field. The magnetic field is absorbed by the induction cups. During this process of absorbing the induced magnetic field, heat is created.

The SWITCH 2 can control power to an accuracy of .1%. It modulates the power to precisely control the temperature of the induction cups throughout the heating cycle. These heating cycles are then optimized to produce the best possible vaping experience. During the preheat phase the SWITCH induces power into the induction cups to get them up to temperature incredibly quickly. In fact, with most temperature profiles, the unit is ready to use within 5 seconds of pressing the 'Go' button.

Utilizing induction heating means the SWITCH 2 has a number of advantages. The induction cups heat significantly faster than any other heating method currently available. They are specifically designed to create an even heating surface temperature with less hot-spots, providing a consistent flavor during the vaporizing experience. There are no atomizers to replace. The electronics are totally shielded from the vaporization environment meaning the unit is leakproof. There are no electrical connections to the heating element that can wear out or break over time. All of these induction heating benefits work together to give you a totally unique, precise and practical vaporizing experience.

It should also be mentioned that the SWITCH 2 has been designed to reduce or eliminate oxygen from the vaporization environment. Without oxygen present, your material cannot combust. Plain and simple. Oxygen is classified as an oxidizer which means it easily combines with other molecules forming new and unwanted compounds. The lack of oxygen during the vaporization process prevents combustion and oxidation of the vapor compounds resulting in a smoother vapor, less waste and higher efficiency.

Read more on the features, benefits, science, and product development of the SWITCH 2 at [www.drdabber.com](http://www.drdabber.com) (<http://www.drdabber.com/>).

## Learning About Your SWITCH 2

Use with caution. Must be 18 years of age or older to operate.

Charge device fully before use.

The SWITCH 2 includes a removable battery pack located underneath the base-plate. The device can be used while the battery pack is charging.. Each battery pack can last up to 100 hits on a full charge in the leaf or oil mode.

Only use Dr. Dabber approved charging cable, adapter, or battery packs with the SWITCH 2. Non-Dr. Dabber accessories may damage the unit, and will void the warranty.

Operating the SWITCH 2 with anything other than authentic Dr. Dabber SWITCH 2 Induction Cups may damage the unit or cause bodily harm, and will immediately void all warranty.

The Induction Cups will become extremely hot. Do not touch once powered on, and give the Induction Cups enough time to cool after operation before handling. Always remove the induction cups with the reverse action tweezers.

Do not attempt to use the device without the Glass Percolator Attachment in place.

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## Powering The SWITCH 2 On And Off

- Flip the Power Switch 2 to either the (LEAF)mode for vaporizing leaf-based products, or the (OIL) mode for essential oils.
- When changing modes on the SWITCH 2, the Power Switch must be turned to the 'OFF' position before turning to the opposite mode.
- The unit is turned off by returning the Power Switch to the center position. The LEDs will light up Cyan, then fade to Black.
- Internal persistent memory allows the SWITCH 2 to be turned back on and retain the most recent Power Settings within that Mode.

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## Adjusting SWITCH 2 Power Settings

- Press the (+) or (-) button to display the current Power Setting.
- Press (+) or (-) button again within 5 seconds to increase or decrease the Power Setting.
- To save setting immediately press the (Go) button. If button is not pressed within 5 seconds, setting will automatically be saved.
- After the Power Setting is saved, the front LEDs will illuminate Pink to display the units battery level. Each LED represents 20% charge ( eg: 5 LEDs represents a full charge, 1 LED represents 20% battery life) Pink flashing lights indicate the battery contains less than 10% charge. Under this condition, The SWITCH 2 must be charged before next use.

## Using Oil Mode

- Fill the Glass Percolator Attachment while removed from the unit with a few ounces of water (test the attachment before putting it back on the unit to ensure water does not splash into the mouthpiece).
  - Secure the Glass Percolator Attachment onto the SWITCH glass top.
  - Be sure the Power Switch is on the oil setting (OIL).
  - Set to the desired Power Setting by using the (+) or (-) buttons. 1 YELLOW LED is calibrated for maximum flavor profile and 5 YELLOW LEDs is calibrated for optimal vapor density.
  - Place the Ceramic Induction Cup into the glass top. It is also possible to pre-load the Ceramic Induction Cup prior to placing in the glass top.
  - Prepare your product on the loading tool.
  - Press the (Go) Button.
  - The SWITCH 2 LEDs will escalate Red when heating then turn Green when the unit has reached temperature. Once the lights turn green, you may use the device. In standard mode the device will hold the heat profile for 15 seconds which is then followed by a cooldown mode indicated by cascading Blue LEDs.
  - Press the (Go) button at any time to cancel the heating cycle.
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## Auto Cool Down Cycle

The SWITCH 2 may go in to a cooling cycle if the base unit becomes too warm to operate.

The cool down cycle is indicated by the front LEDs illuminating Blue in a cascading pattern.

Minimum cool down cycle is 5 seconds.

- The automatic cool down cycle length is determined by the internal temperature of the unit. The warmer the unit, the longer the cool down. This feature prevents the unit from ever overheating and causing damage to the advanced electronics.
- Maximum cool down cycle time is 4 minutes.
- If cool down cycle is interrupted by powering the Switch Down, then cool down cycle will reset upon powering the Switch back on.

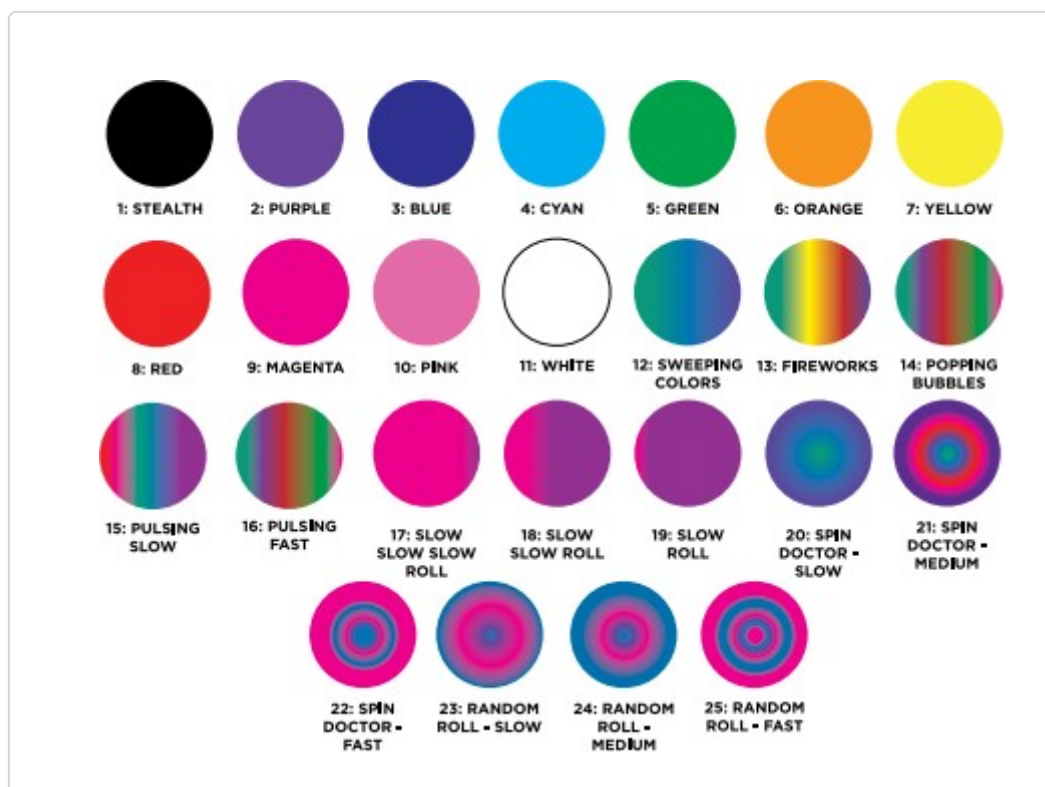
## Induction Cups

- Ceramic Induction Cups should only be removed after they have cooled to a safe temperature.
- Ceramic Induction Cups should only be removed with the reverse action tweezers.
- Although interchangeable, the White Ceramic Induction Cup was designed for use with essential oils, while the Black Ceramic Induction Cup is designed for leaf.
- The SWITCH 2 is able to detect whether or not an Induction Cup is present and will not begin a heating cycle without a Ceramic Induction Cup in place.
- Trying to operate the SWITCH 2 with anything other than authentic Dr. Dabber SWITCH 2 Induction Cups may damage the unit and/or cause bodily harm and will void all warranty.

\*\*\* CRYSTAL INDUCTION CUP MUST BE USED IN CRYSTAL MODE \*\*\*

## Standby Lighting Options

- The SWITCH 2 has 25 different ambient light settings to choose from when the unit is in Standby Mode. Once set, the SWITCH 2 will retain your favorite light setting until it is changed again.
- To change light settings, press and hold the (-) button.
- While holding down the (-) button, cycle through the lighting options by pressing the (Go) or (+) buttons.
- Release the (-) button to save the selected lighting option.



## Stealth Mode

- Stealth Mode is incorporated into the Standby Lighting settings.
  - In Stealth Mode, the SWITCH 2 glass top will not illuminate, and will only indicate functions with the LEDs on the front of the device.
  - To change into Stealth mode, press and hold the (-) button.
  - While holding down the (-) button, cycle through the lighting options by pressing the (Go) or (+) buttons until only the bottom LED is illuminated.
  - Release the (-) button to confirm Stealth Mode.
  - To get out of Stealth Mode, simply repeat the above process and choose a different Lighting option.
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## Self Cleaning Cycle

- The SWITCH 2 is capable of cleaning your Ceramic Induction Cup by running a high energy heat cycle that burns away any remaining residue in the Ceramic Induction Cup.
- From any mode press and release the (+) button. (Will not work in Crystal mode)
- Press and hold the (+) button until the Power Setting reaches maximum, continue to hold for 5 seconds
- Release the (+) button once the front LEDs begin to escalate in Red. This indicates the high energy heat cycle has begun.
- The front LEDs will display the Power Setting increase, but will revert to the previously selected power setting upon completion of the self cleaning cycle.
- Press the (Go) button at any time to cancel the self cleaning cycle.

THE SELF CLEANING CYCLE IS SPECIFICALLY DESIGNED FOR CERAMIC INDUCTION CUPS AND SHOULD NOT BE USED WITH A CRYSTAL INDUCTION CUP

DO NOT, UNDER ANY CIRCUMSTANCES, USE THE DEVICE WHILE IT IS IN THE SELF CLEANING CYCLE

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## Cleaning Your Switch 2

- Be sure the SWITCH is powered off and that the Ceramic Induction Cups, glass top and Glass Percolator Attachment are cool to the touch before cleaning.
  - The SWITCH unit, Induction Cups, Ceramic Filter, Glass Top, and Glass Percolator Attachment can be cleaned with isopropyl alcohol and cotton swabs/wipes. Be sure all parts have dried completely before using the device again.
  - The Dr. Dabber Crystal Induction Cup (sold separately) can be cleaned with isopropyl alcohol and a cotton swab.
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# Charging and Battery Management

- The SWITCH may be plugged into the charging unit at any time. The device uses pass-through charging allowing use of the SWITCH while connected to the charging unit. (Note: The device will not function without the battery pack installed)
  - Battery status is indicated on the front LED display after a Power Setting has been selected. The front LEDs will illuminate Pink to represent the remaining battery percentage.
  - Pink flashing lights indicate the battery contains less than 10% charge. In this condition, the unit must be charged immediately. Once the unit is plugged in and the Pink lights have stopped flashing, the unit can be used. Standard charging times range from 60-90 minutes from 10% charge to a full battery.
  - To change or replace the battery pack, rotate and remove the magnetic base plate from the SWITCH. Once the baseplate is removed, position the retainer clips out of the battery's path and remove the battery pack.
  - The charging unit includes an indicator light to identify when the unit is charging. If the LED is Red, the unit is charging. When the LED turns Green, the SWITCH is fully charged.
  - When the charging unit is not plugged in, the LED will continue to illuminate Green.
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## Advanced Mode

- Advanced Mode offers 25 Power Settings for the advanced user.
- This mode is included for those who want even more flexibility in tuning in their ideal setting.
- To enter Advanced Mode, start with the power switch in the 'OFF' position.
- Hold the (Go) button and power on the SWITCH by flipping to either (LEAF) or (OIL) .
- Release the (Go) button.
- The front LEDs will illuminate in a Rainbow indicating the device is now in Advanced Mode.
- Press the (+) or (-) button to display the current Power Setting.

Press or hold the (+) or (-) buttons again to increase or decrease the Power Setting.

1 Purple LED is the lowest Power Setting (profile equivalent to 300 degree range).

1 Orange LED is the highest Power Setting (profile equivalent to 800 degree range).

Wait 5 seconds for the Power Setting to save, or immediately save the Power Setting by pressing the (Go) button.

After the Power Setting is saved, the front LEDs will illuminate Pink to display the units battery level.

Higher heat profiles may result in reduced battery life.

# Train Your Hold Time

- The SWITCH 2 allows you to choose your hold time (duration of which the unit holds the desired heating profile) in Advanced Mode.
- Instead of pressing the (Go) button to use the device, Press and hold the (Go) button.
- The Red escalating LEDs will illuminate indicating the device is heating up. (continue to hold the (Go) button)
- When the device reaches temperature, the LEDs will animate Yellow indicating the device is recording the new hold time. Continue holding the (Go) button as you use the device to train the hold time.
- When you are satisfied with the length of the hold time, let go of the (Go) button.
- The newly recorded hold time will be automatically saved to the Advanced Mode.
- Minimum recordable hold time is 5 seconds, longest recordable hold time is 30 seconds.

## Crystal Mode (additional accessory required)

- Due to the nature of quartz crystal, a significantly different heating profile is required to produce optimal vapor density and flavor. This mode is specifically calibrated for the Dr. Dabber Crystal Induction Cup (sold separately).
- This mode is not suitable for the standard Ceramic Induction cup
- To access Crystal Mode, the SWITCH must be powered down from Advanced Mode.
- Hold down the (+) button and power on the device by flipping the power switch to either (LEAF) or (OIL).
- The front LEDs will illuminate White to indicate Crystal Mode.
- Release the (+) button.
- If the front LED display illuminates Rainbow, it indicates the device was already in Crystal Mode and has returned to Advanced Mode. Repeat the above process to get back into Crystal Mode
- Press the (+) or (-) button to display the current Power Setting.
- Press or hold the (+) or (-) buttons again to increase or decrease the Power Setting.
- 1 Purple LED is the lowest Power Setting (profile equivalent to 300 degree range).
- 1 Orange LED is the Highest Power Setting (profile equivalent to 800 degree range).
- Wait 5 seconds for the Power Setting to save, or immediately save the Power Setting by pressing the (Go) button.
- After the Power Setting is saved, the front LEDs will illuminate Pink to display the units battery level.
- This mode is included for those who want even more flexibility in tuning in their ideal temperature.
- Higher heat profiles may result in reduced battery life.
- To change from Crystal Mode to Standard Mode, press and hold the (Go) button while the device is in an off position, then power on the device by flipping the power switch to either (LEAF) or (OIL). This will restart the



device in the standard (LEAF) or (OIL) Mode.

- To change from Crystal Mode to Advanced Mode, press and hold the (+) button while the device is in an off position, then power on the device by flipping the power switch to either (LEAF) or (OIL). This will restart the device in the Advanced Mode.
- The Self Cleaning Cycle is NOT available in Crystal Mode. Please see 'Cleaning Your Switch' section for instructions on how to clean your Crystal Induction Cup.

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## Troubleshooting

RED and BLUE flashing LEDs indicate an internal error has occurred with your device. Upon the SWITCH entering the RED and BLUE flashing sequence, turn the device off by returning the Power SWITCH to the center position and follow the directions below.

RED and YELLOW flashing LEDs indicate an error occurred with your device. Upon the SWITCH entering the RED and YELLOW flashing sequence, turn the device off by returning the power SWITCH to the center position and follow the directions below.

Reset the device by rotating and removing the magnetic base plate from the bottom of the SWITCH. Once the base plate is removed, position the retainer clips out of the battery's path to pull out the battery pack. Keep the battery pack removed for 10 seconds.

After 10 seconds, put the battery back into the device and reposition the retainer clips. Replace the base plate and turn the unit back on. The unit should go back to normal functionality. If the LED display continues the flashing sequence contact the Dr. Dabber Customer Service Team for further assistance.

Support Email: [support@drdabber.com](mailto:support@drdabber.com)

For helpful tips and tricks as well as all the latest accessories, head over to [www.drdabber.com](http://www.drdabber.com)  
(<http://www.drdabber.com/>)

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**FCC STATEMENT :**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**IC Warning**

This device complies with Innovation, Science and Economic Development Canada's licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'innovation, sciences et développement économique Canada . Son fonctionnement est soumis aux deux conditions suivantes :

- ( 1 ) Ce dispositif ne peut causer d'interférences ; et
- ( 2 ) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The device has been evaluated to meet general RF exposure requirement.  
The device can be used in portable exposure condition without restriction.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF.

L'appareil peut être utilisé sans restriction dans des conditions d'exposition portables.