BOMBERTECH™
BLOCK22

PLUG & VAPE™ FIRMWARE

OPERATION MANUAL

0.1 60W   22   18650

Introduction

Thank you for your purchase of the new BomberTech Block22 GT-X Device. Your mod here is designed to have the best features for newbies to advanced vapers.

We have eliminated all other functions that you may not need in a Personal Vaporizer. Leaving you with simple navigation and straight to vaping without needing to learn a lot of functions to work out your device.

Enhanced with many automatic safety functions such as cut off timer, battery protection, PCB protection to name a few, to make your vape as safe as possible.
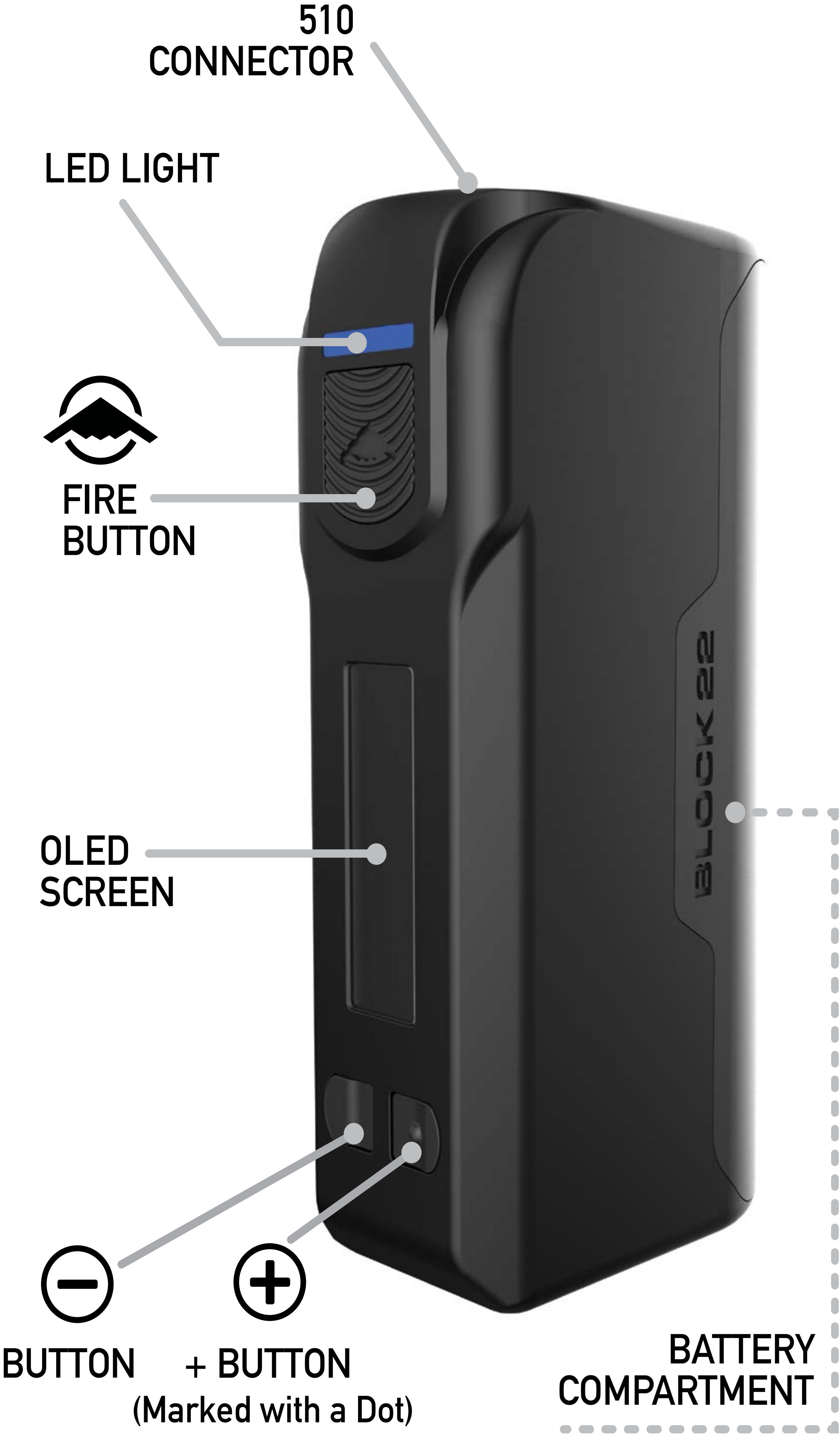
We recommend to use 18650 type only batteries with high current (AMP). This chip is equipped with a Current Meter that will measure the output AMP calculated by the Resistance and the input Power Wattage selected. The output AMP must be lower than the battery AMP you use for the device. Lower AMP batteries will cause the battery to heat up quickly as it will not be able to withhold the current being delivered by the atomizer.

Consult with your local vape shop where you purchased this device if you have encounter any problems working out your device.

Handling Information

1. Do not drop Block22 or subjecting it to other impacts.
2. Block22 is not waterproof, do not drop it into the water or get liquid in to the Block22. Wipe off any water droplets with a dry cloth.
3. Do not leave Block22 in excessive heat such as in a car in direct sunlight. High temperatures can cause the device to malfunction.
4. Block22 contains precision electronic circuitry. Never attempt to disassemble the device yourself. Disassembling your device will void the warranty.
5. Do not poke the holes on the Block22 with a screw driver or any other little type metal pins.
6. Never force a connector into a port or apply excessive pressure to a button, because this may cause damage that is not covered under the warranty. If the connector and port don't join with reasonable ease, they probably don't match. Check forobstructions and make sure that the connector matches the port and that you have positionedthe connector correctly in relation to the port.
7. Block22 is designed to work in ambient temperatures between 32° and
95° F (0° and 35° C) and stored in temperatures between -4° and 113° F (-20° and 45° C). Block22 can be damaged and battery life shortened if stored or operated outside of these temperature ranges. Avoid exposing the Block22 to dramatic changes in temperature or humidity. When you'reusing Block22 or charging the battery, it is normal for Block22 to get warm.

Device Overview

510
CONNECTOR

LED LIGHT

FIRE
BUTTON

OLED
SCREEN

BLOCK 22

BATTERY
COMPARTMENT

− BUTTON

+ BUTTON
(Marked with a Dot)

Battery Compartment

USE 18650 TYPE BATTERY ONLY

Battery must be inserted in the correct upright position as indicated by the + - marks on the battery compartment.
This device does not come with a battery included.
Please purchase separately from your local vape shop.

**Be aware of the AMP measurement of the battery
For safety, use only 30mAh or above**

Device Specifications

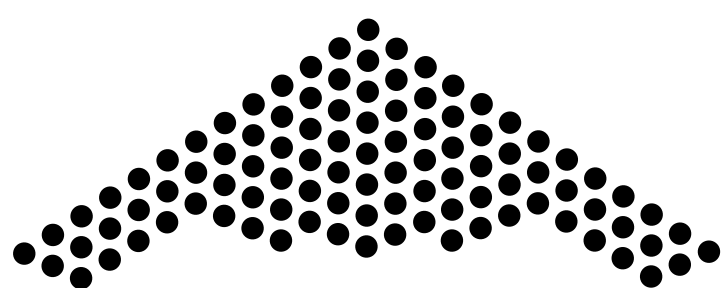|	
Variable Wattage	10-75w
Working Voltage	3.7-4.2v
Atomizer Resistance	0.1-3Ω
Low Energy Protection	< 50uA
Charging Max Input	< 6.5V
Charging	5V/500mA

Operating temperature : 0°C to 40°C
Safety temperature cutoff : Max 100°C
Dimensions : 76mm x 22mm x 38.5mm
Approx weight without battery : 118g
Design and specifications are subject to change without notice.

POWERED BY

BOMBERTECH
BLUECHIP
60-75WATTS

Locking Your Device

DEVICE LOCKED

Locking and Unlocking the Device

This mode prevents accidental usage or setting changes due to the buttons being pressed while inside your pocket.

UNLOCK CLICK 5x

Locking and Unlocking the Device

Click the Fire ⌂ button 5 times (within 2 seconds) to lock, and while in the lock position, click 5 times to unlock.

Settings Lock

SETTINGS LOCKED

Power Settings Lock

Different to the Device Lock, Power Settings Lock is only for the power setting adjustments. In the event you are happy with one particular power setting, you may want to lock your power settings. All other settings in the system will not be locked.

30W 1.11Ω 5.73 V 29.2W 7.4 A BLOCK22

Locking Power Settings

To lock your Power Settings, click and hold both ⊕ and ⊖ buttons simultaneously for 2 seconds. The Lock icon will immediately be shown on the screen as shown on the image above.

SETTINGS UNLOCKED

Unlocking Power Settings

To unlock the Power Settings, click and hold both ⊕ and ⊖ buttons simulatenously for 2 seconds. Power Set Unlocked information will be shown, and the screen will return to the Standard Panel mode.

Right & Left Modes

Right and Left Modes

Designed to be used for left and right handed users. If you are a left hand user, you can select the right hand mode and vice versa.

Selecting Right and Left Modes

Click the Fire button 5 times to lock, and while in the lock position, click the Fire button and ⊕ buttons simultaneously and hold for 2 seconds.

When you have selected the Position you desire, let go of the buttons to enter the mode you have chosen.

Firing Button LED

LED COLOR WHITE

LED Button Color
The Color of the LED is changeable, you have a choice of selection : White, Green and Blue colors. You may want to match the sleeve color or perhaps your mood. Change the color of your LED whenever you feel like.

Selecting the Colors
Click the Fire ⛰ button 5 times to lock, and while in the lock position, click the Fire ⛰ button and ⊖ buttons simultaneously and hold for 2 seconds.

LED COLOR GREEN

When you have selected the Position you are happy with, let go of the buttons to enter the mode you have chosen.

Low Battery & Charging

Low Battery

When the battery hits the lowest capacity needed for vaping, it will display a Low Battery notification, at this point your device will need battery replacement, or charging.

Charging your Device

You have two options, you can replace the Battery with fresh new batteries, or charge the battery via the Micro USB slot located on the bottom of the device. You can use either the Bomber Power charger* or any standard ⟶ Micro USB type plug charger.*

*Cables, chargers and batteries sold separately.

Warning Notifications

OVERHEAT PROTECTION

Overheat Protection

When the PCB inside the Device gets hot, the chip function will automatically cut off the Firing function. It will return to normal state when the PCB temperature is in a lower or normal condition where it returns to a condusive and more safer temperature to vape.

ATOMIZER SHORTED

Atomizer Shorted

This notification will appear when your Atomizer has had a short circuit. Other instances may be that your coil is under 0.1 ohm. Rebuild your coil, if problem persist, consult with an expert at your nearest vape shop.

NO ATOMIZER

No Atomizer

If you haven't inserted the Atomizer on to the 510 Connector, or if your coils are not properly inserted, you will see this notification on the screen. Check your coils and try again.

Device ID

About Device ID

Each Block22 device has a unique device ID embedded into the system, it is used for registration and warranty purposes, also acts as an authentication method for firmware upgrades.

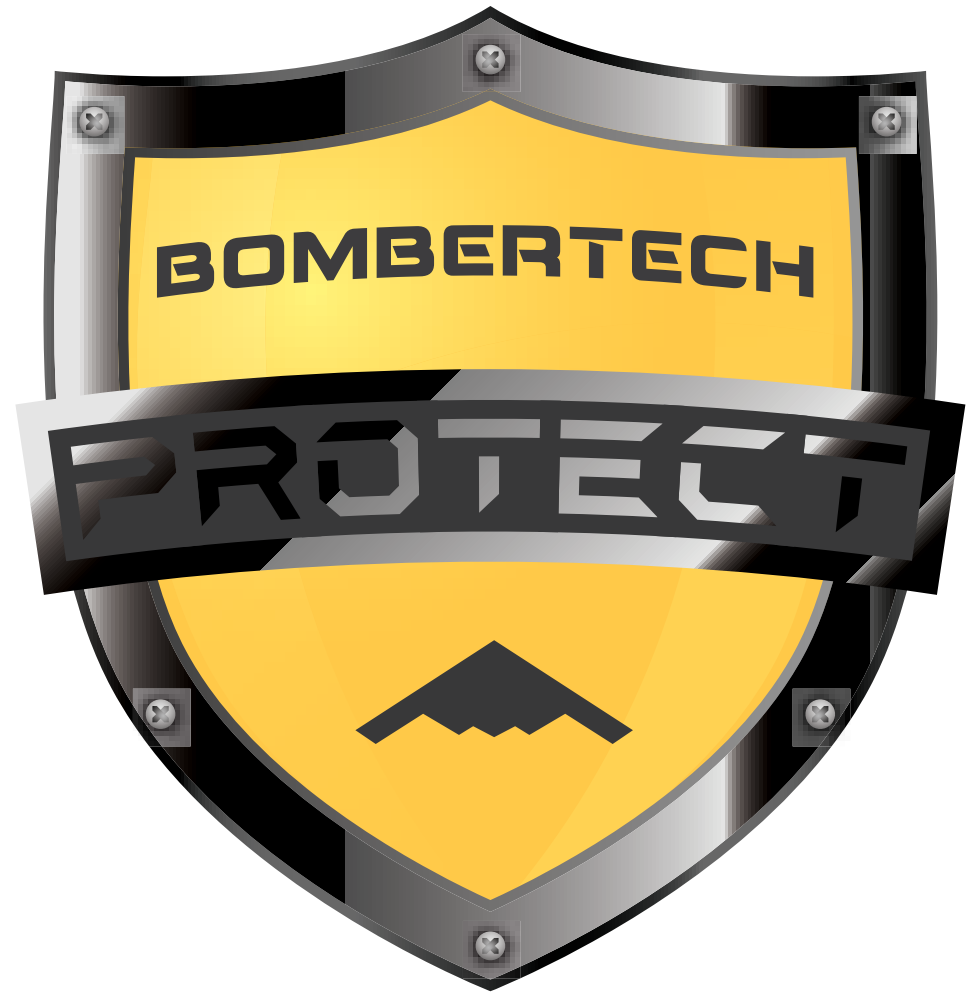## How to find your Device ID number

To access or to find out your product Device ID number, simply press fire button for 3 seconds, and the image above will be displayed on the screen.

To be eligible for Warranty on your device, you must register your DEVICE ID number. Go to www.bombertech.com/register

BOMBERTECH
PROTECT
WARRANTY CARD

DEVICE ID NUMBER

BLOCK22 | GTX |WHITE

2390804UGLP

BOMBERTECH PROTECT DEVICE ID NUMBER

BOMBERTECH
PROTECT

• For warranty claims, you must return this card to the Authorized Dealer
• This card has to be authenticated by the Authorized Dealer
• Without this card, warranty claims will not be accepted
• This card remains the property of BomberTech
• This card is not transferable

Warranty

BomberTech Protect

Your Block22 device is backed by a 1 year limited warranty. Consult with your Authorized BomberTech vape shop regarding your Warranty. We do not hold responsible for any human error. We cover factory default damages if the PCB has been regarded malfunction.
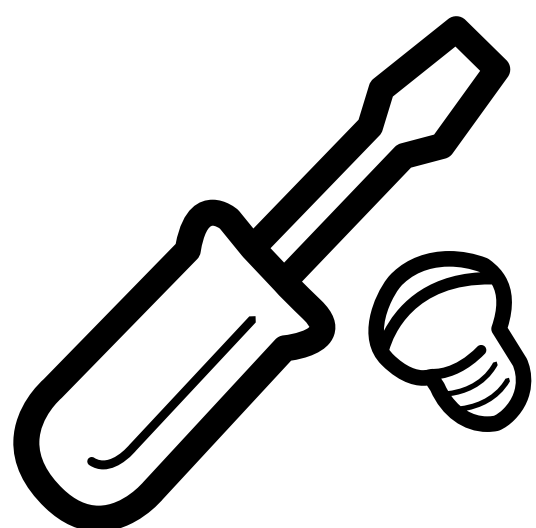
Return your device to the vape shop where you had purchased your device, along with the Warranty card matching the Device ID number in your Block22 unit.

We do not cover any claims if the product has been purchased from a third party non authorized vendor.

Disassembling your device will void any warranty claims against your Block22 unit.

Tamper Proof Label

There is a Tamper proof label covering a screw on the back of the unit. If this label have been tampered with, all warranty claims are immediately voided.

Getting Started

BOMBERMODZ
>>BLOCK22<<

Turning On Your Device

When you insert the battery, the device will be turned on automatically, while showing the intro screen as shown above. This device can not be turned off, instead, it will go to sleep when in locked mode. Shutting off the device completely can be done by taking off the battery.
Once the introduction screen is loaded, the device will automatically detect the type of coil you are using in your atomizer

Plug & Vape ™

AUTODETECT

As simple as they say...

All you have to do is plug in the atomizer, and let the device do its job. It may not be able to read your mind, but it can read your atomizer if its a TC coil.

What next?

All you gotta do after that, is set the desired watt or temperature, then vape. Spend more time finding the right juice to vape on instead of fiddling around with the software.

Autodetect Coil Types

Coil Auto Detection

When you plug in your atomizer, you will be notified if the coil in your atomizer you inserted was one of these types below :

REGULATED POWER MODE

Kanthal Coil

When you use kanthal coil, the system will take you to Regulated Power Mode. This is the standard Variable Voltage or Variable Wattage mode that has been in the market for some time. More information on how the Regulated Power mode works, you can check the next pages under Regulated Power Mode.

TC TEMP COIL DETECTED

TC Coil

If the system detects TC Coil, you will be directed to this mode, and will have this image shown as above, Temp Coil Detected. More information on how the TC Mode works, you can check the next pages under Temperature Control mode.

Restart Coil Check

? Im sure this coil is not...

If you believe that you had inserted a TC Coil, but you have inserted a Kanthal coil, or vice versa, you can restart your coil detection again.

What do I do? Restart it...

At any time, while in Regulated Power Mode, or in TC Mode. You can Restart the Plug-and-Vape *Coil Type Auto Detection* by pressing and holding all the buttons below.

**PRESS & HOLD**
(for 2 seconds)
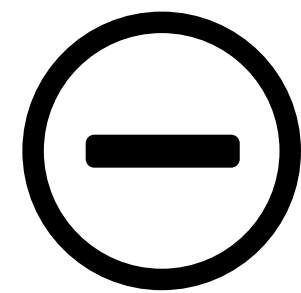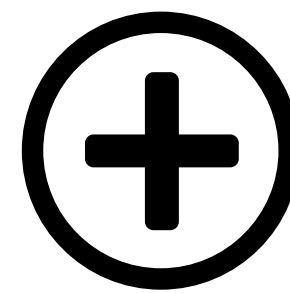
This image will be shown on the screen

CHECKING COILTYPE

And the autodetection will restart and from the beginning. If you are an advanced user, and would like to manually change the autodetection to manual, please refer to the website for Advanced Firmware Upgrade.

For more information on the advanced manual firmware upgrade, you can contact us at support@bombertech.com.

Screen Overview
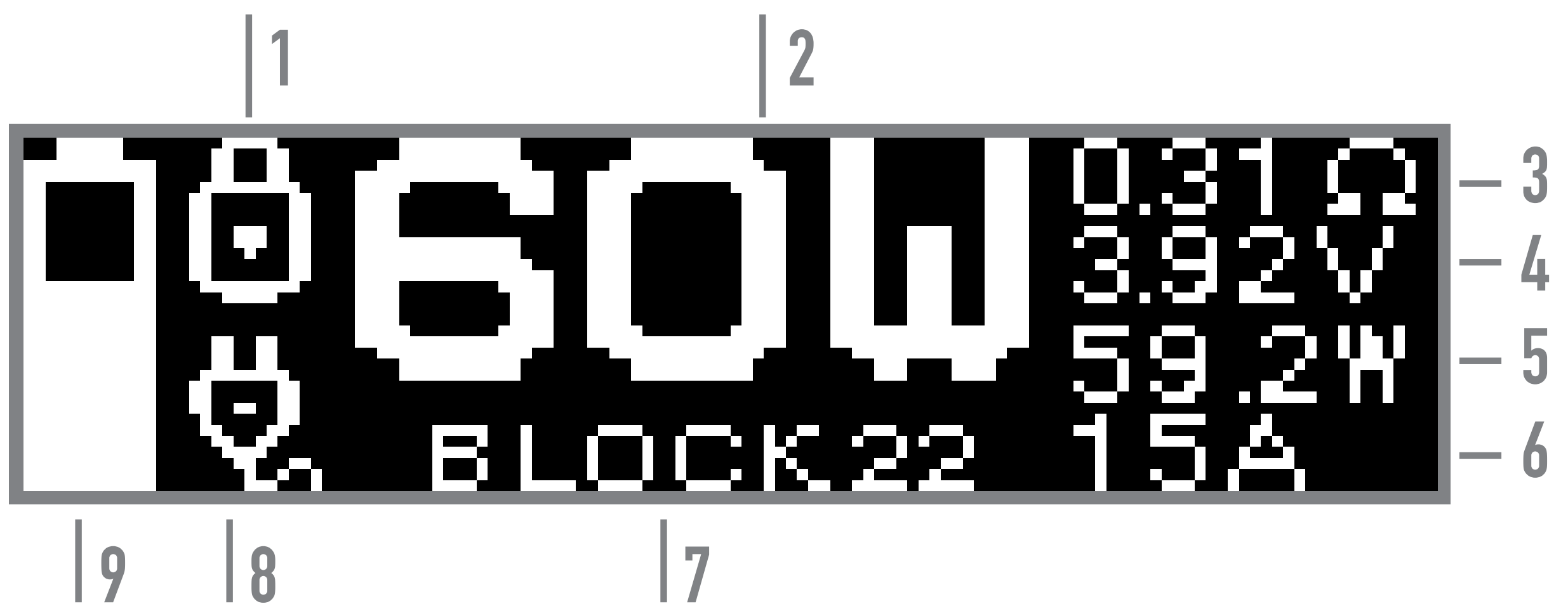
1. Setting Lock
When power settings are locked, this icon will appear

2. Input Watt Setting
Watt settings, adjustable by using the + - buttons

3. Atomizer Resistance Meter (Ohm)
Ohm reading of your coil in the atomizer attached

4. Actual Power Output in VOLTS
Actual Volt Output displayed here live as you vape

5. Current Meter (AMP)
Current Meter calculates the Current that is being used

6. Actual Power Output in WATTS
Actual watt output as you vape

7. Information Bar
Additional information, such as vaping time, will be displayed when firing.

8. Charging Indicator
When Micro USB is inserted, this icon will appear

9. Battery Indicator
Displays the actual battery level

Adjusting the Power

Two Buttons for this, thats all...

Adjusting the desired Power for your vaping experience is as easy as up and down. Press up to increase the power, press down to decrease.
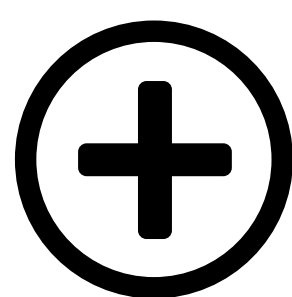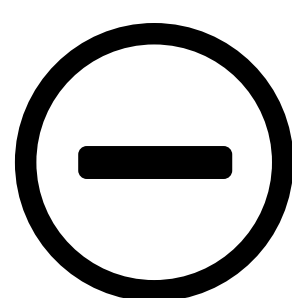
Fire in the hole!

Vaping

Click the Fire ⬙ button and you can start vaping. Vaping time will be displayed on the information bar. This device has a 10 second cutoff time.

```
┌──────────────────────────────┐
│ ▪  ▄▄     1.11Ω               │
│    30W    5.73V               │
│           29.2W               │
│  TIMER 1.2S  7.4 A            │
└──────────────────────────────┘

┌──────────────────────────────┐
│ ▪  ▄▄     1.11Ω               │
│    30W    5.73V               │
│           29.2W               │
│  10S CUTOFF  7.4 A            │
└──────────────────────────────┘
```

Actual Power Output in Volts and Watts

The actual output power will be displayed on the info bar on the right side of the screen marked with V (Volts) and W (Watts). Depending on your battery capacity and the resistance of the coil, both of these will take part in giving the end result of the actual running power output, if different than what you had inputted, you can see it in real time. Sometimes you may think why you had input high watts, but it isnt running up to par, here you can see the actual output.

Current (AMP) Meter

Shown by the AMP meter on the bottom of the info bar on the right side of the screen, is the Current being used by the battery over the resistance to get the Power output. If you are using low Power, the AMP meter may show low current, and vice versa. This reflects on what type of battery AMP level you may need. The safest is using batteries that has higher current (AMP) tolerance.
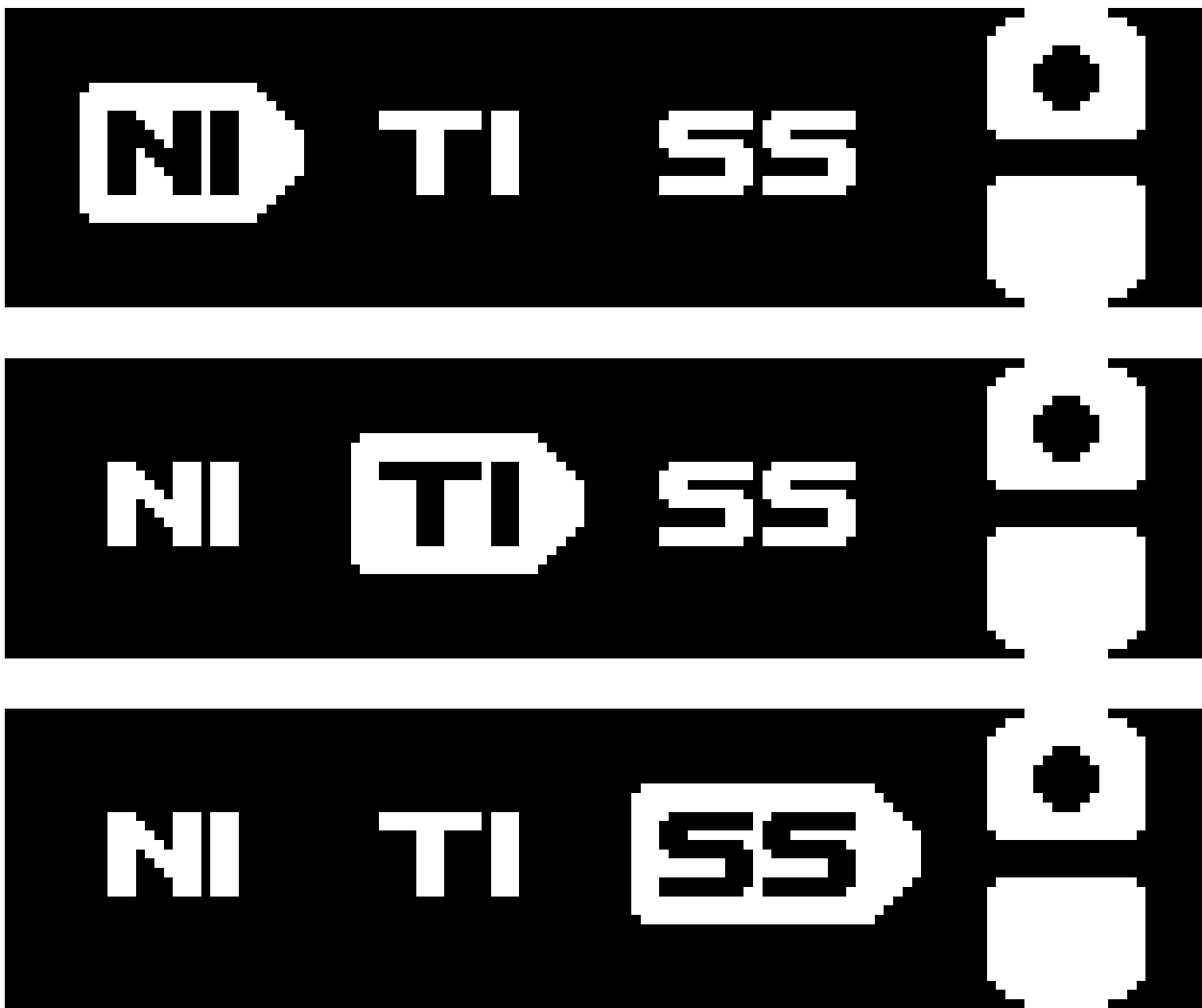
TC MODE INITIALIZATION PROCESS

Ni, Ti or SS

Initializing your TC

After the coil has been detected as TC Coil, you will be taken to this page where you need to select the type of TC coil you are using. You can usually find this on your atomizer box. It will state what type of TC coil you are using.

TC Wire (Coil) Type

There are 3 types of TC Coil that are common in the market right now, which are Ni (Nickel, usually Ni200 or Ni80), Ti (stands for Titanium) and the later SS (Stainless Steel wire material)

All these 3 types have different coefficiency levels that the system must calculate to perform Temperature Control mechanizm.

Press ⊕ or ⊖ buttons to change through the different types of Coil. And press Fire ⬙ button to continue.

TC MODE INITIALIZATION PROCESS

Same Coil?

The usual TC procedure

Temperature Control needs to be notified if you had inserted the same coil, or if you changed your atomizer.

Why? Because it will measure your coil's start resistance for Temperature Control calculation.

If the reading is incorrect, your vaping experience using the TC mode on TC coil will not work properly, maybe some case may work, but wouldnt be doing so to its full potential.

Say if your coil was used and its still hot, you should wait a few minutes for the coil to cool down. Then start the procedure again. This way the system will get the exact reading it needs for the Temp Control to perform as good as it should be.

Press ⊕ if you are using the same coil.
Press ⊖ if you are using a different coil.
Then press Fire 🔥 button to continue.

Screen Overview
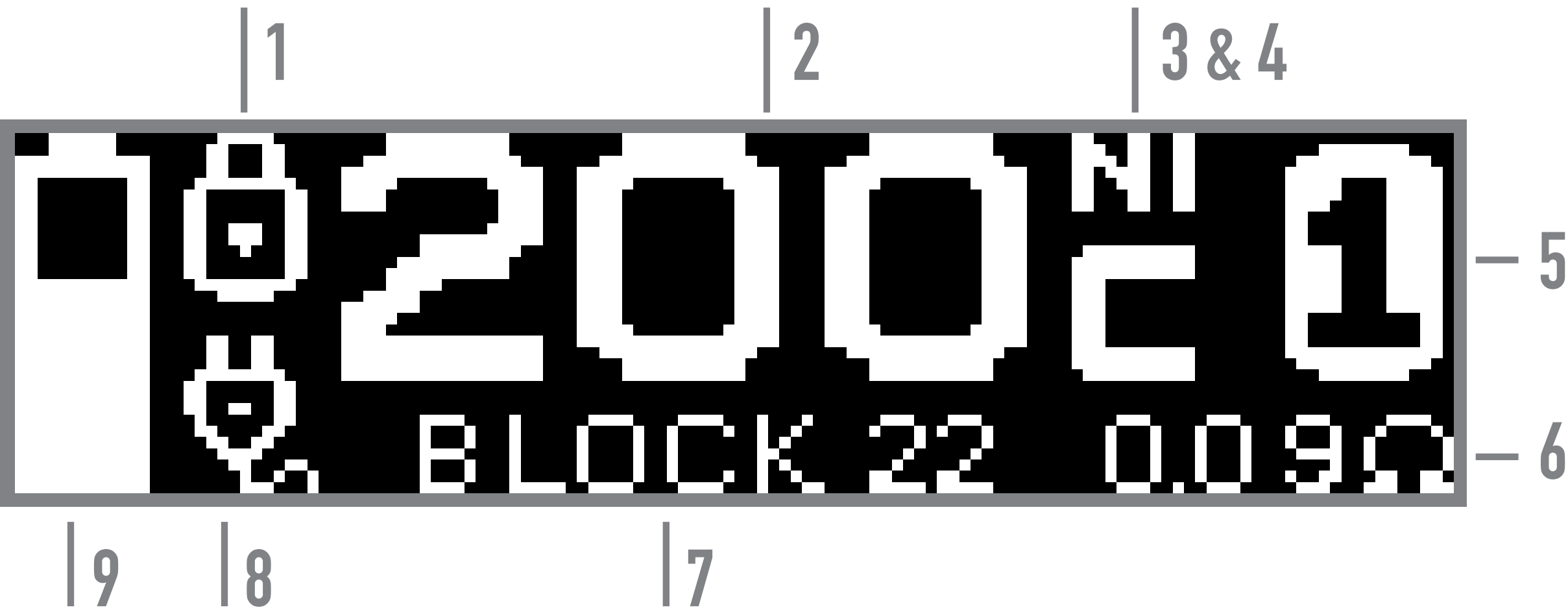
1. Setting Lock
When power settings are locked, this icon will appear

2. Input Temperature Limit Setting
Temp Limit settings, adjustable by using the + - buttons

3. TC Coil Type
Selected Coil Type (Ni, Ti or SS)

4. Temperature Type
Temperature Measurement (C) Celcius or (F) Fahrenheit

5. Power Acceleration (Start Power)
Choice of Easy, Medium or Hard acceleration

6. Current Resistance of Coil (Ohm)
Measures the start and running Resistance

7. Information Bar
Additional information, such as vaping time, will be displayed when firing.

8. Charging Indicator
When Micro USB is inserted, this icon will appear

9. Battery Indicator
Displays the actual battery level

Adjusting Temp Limit

Adjusting the Temperature Limit

By setting the Temperature Limit, the device will fire up your uice in the atomizer until the input set temperature.

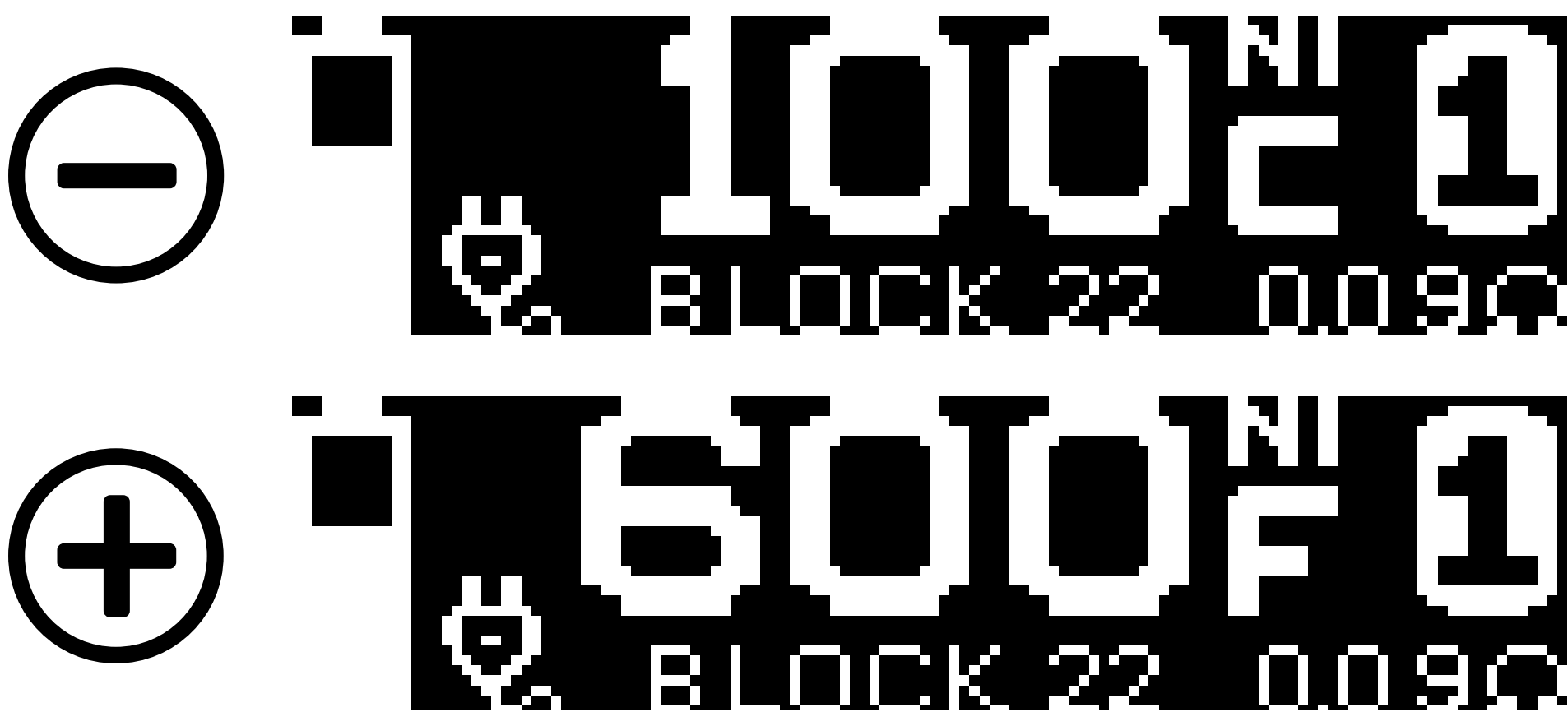To adjust the temperature, press ⊕ or ⊖ buttons. Then press Fire ⏶ button to start vaping.
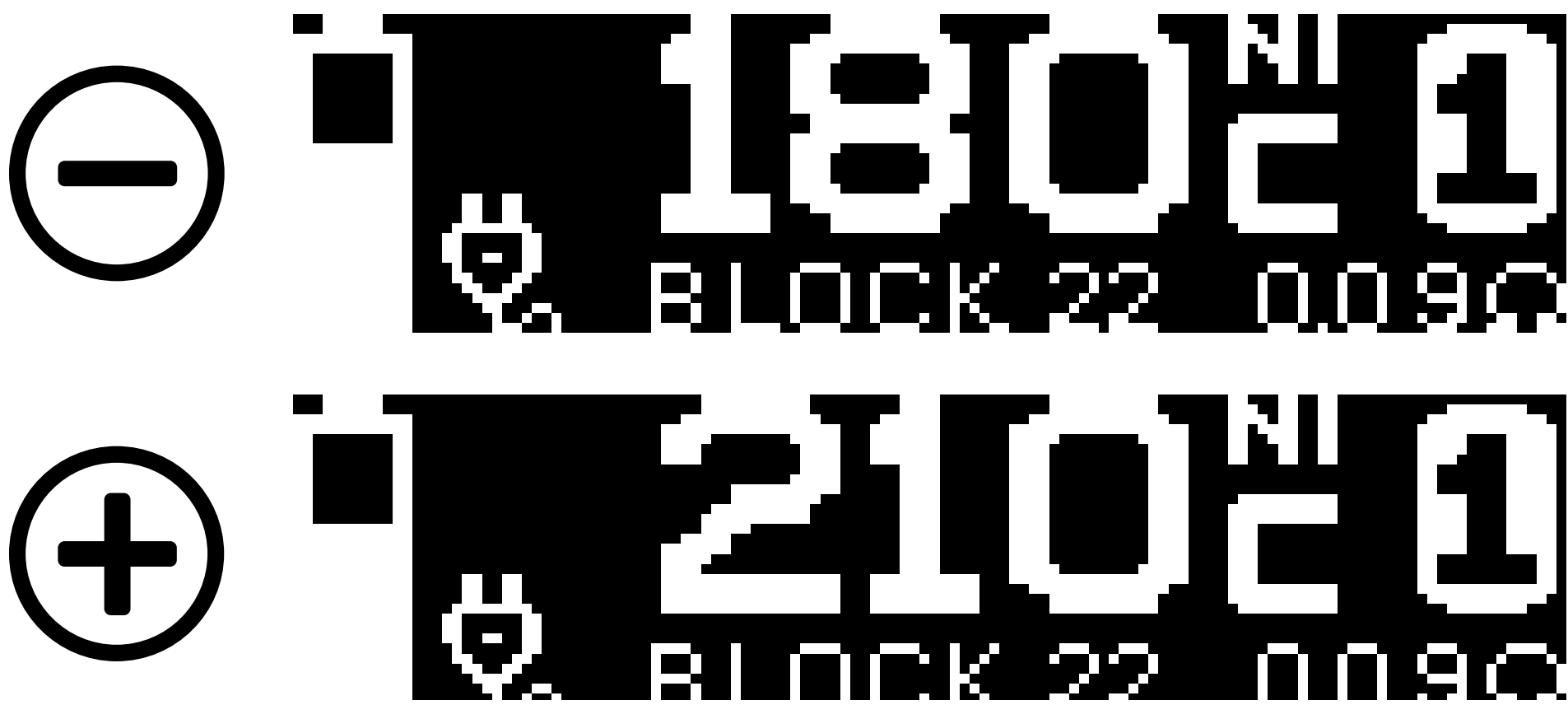
Celcius or Fahrenheit

Changing the Temp Measurement Type

You can change to Celcius mode to Fahrenheit as you wish simply by going up until you reach the maximum level. Pressing another notch will change the measurement type. Also works in reverse.

To change from C mode to F mode, press and hold ⊕ or ⊖ buttons until maximum value, then press again to change Temp type.

Fire up!

Vaping with Cruise Control

Once you have set up your Temperature Limit and Acceleration Start Power, you can then fire it up! Press the Fire ⬇ button to start.

Know The Limits

Temperature Limiter is when you have hit that maximum temperature. What does this do for my vaping experience? Maybe a little more than you think. When there is not enough juice on your atomizer, the system will shut off. And then when juice is back on the coil, it will resume vaping as normal. So what? What if you vape while you have no juice on your atomizer? Other than not pleasing at all, it can release carcinogens. Yes, it's not really good for you.

With different types of coils and different types of juices that are there out in the market, you may need some experimenting with different types of temperature limit settings and the acceleration power. Once you master it, nothing vapes better than Temperature Control mode!

Acceleration Control

Sunday Morning Easy or Pedal to the Metal

Similar to the car, you can set Easy driving or Turbo mode. On your Block22 in TC mode, you have 3 acceleration power to choose from :

1. EASY

For easy vaping, you can set the Start Power to 1 EASY. At roughly 15-20 Watt output, vaping is nice and easy
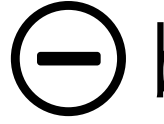

2. MEDIUM

For a day to day medium acceleration kind of vaping, by setting Start Power to 2 MEDIUM, will get you enough power to get you through the day. Output power is around 25-30 Watts

3. HARD

Pedal to the Metal. Maximum overdrive. Call it what you want, but this is all the power output you can get for your vape. Output power is maxed out from 50-65 Watts.

How to change the Acceleration

Press both Fire 🔥 buttons and ⊖ buttons simultaneously, and hold for 2 seconds, and the screen will go to Start Power, hold it until you select the desired Start Power, and then release both buttons.
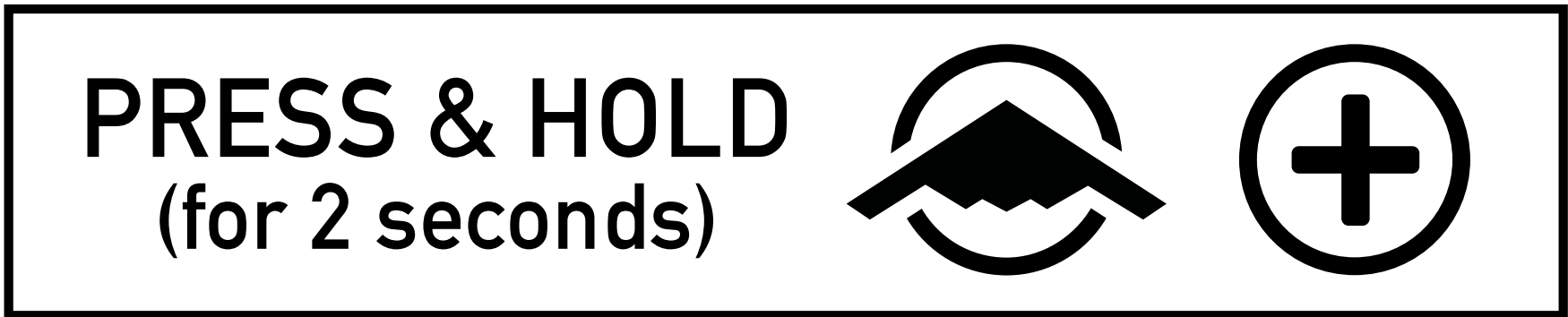
Refresh TC Coil

Refresh Temp Coil

Temperature Control is calculated by the resistance of the coil, from the start prior to the coil being heated up, to the highest temperature.

For best results, leave your coil for 5 minutes and let it cool down, and then Refresh the starting point settings on your device.

To commence the TC Coil starting resistance Refresh, press and hold both Fire ⏄ and ⊕ buttons simultaineously for 2 seconds, and the device will refresh the resistance starting point.

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BOMBERTECH™
BLOCK22

INSTRUCTION MANUAL

DESIGNED BY VAPERS FOR VAPERS