

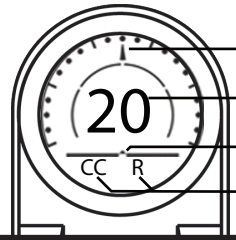
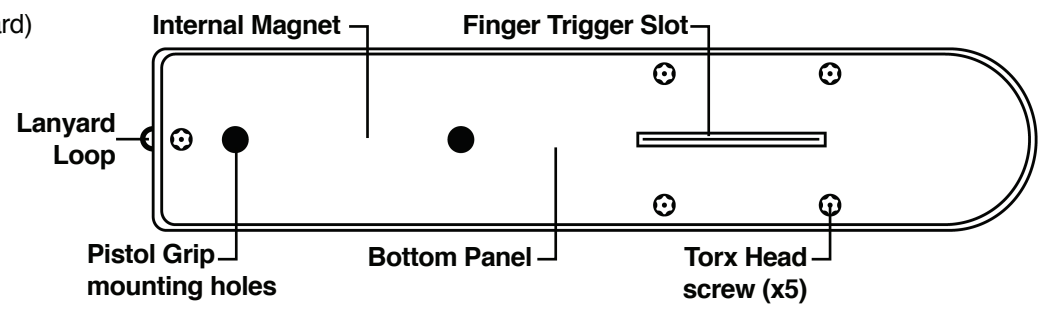
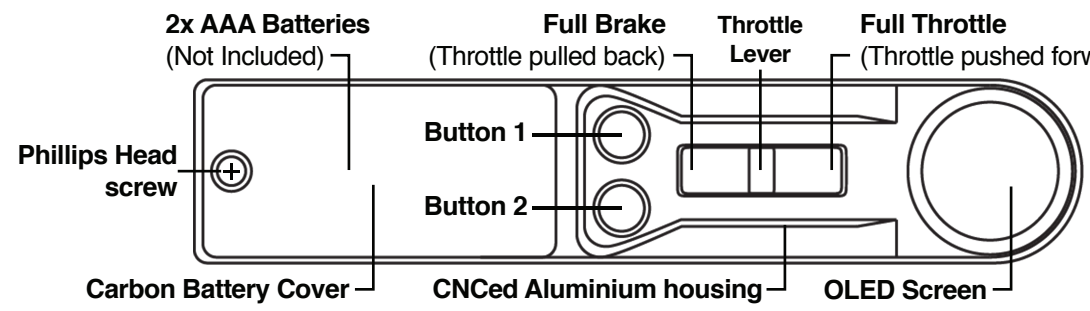


NEXT GENERATION SKATEBOARD CONTROLLER

VESC Manuals:



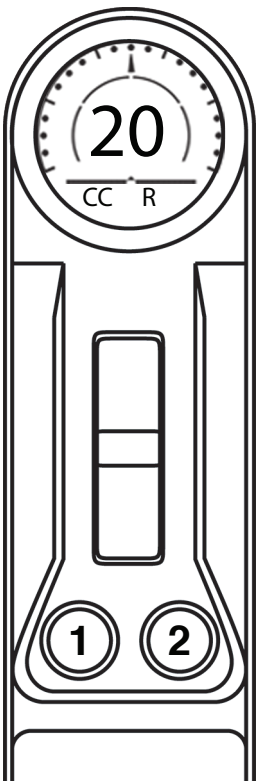
Safety Warnings:



- Power Consumption
- Speed (km/h or mph)
- Slider - visual Throttle Lever feedback
- CC / R - Shows what modes are active



Before each ride, slowly push the Throttle Lever fully forward & backward to ensure the throttle input is correctly synced up to slider.



HOME / MAIN SCREEN

Shows Speed, Power-consumption levels & Modes.

Power On: Button 1 or 2

Power Off: Hold Button 2 for 3 Seconds, or depower/ step 5M away from Skateboard.

Swap Imperial & Metric: Hold buttons 1 & 2 together for 3 seconds

MODES:

R = Reverse

CC= Cruise Control

REVERSE

Reverse On/Off: Double Click Button 1

Reverse Cruise Control : Press Button 1 in reverse.

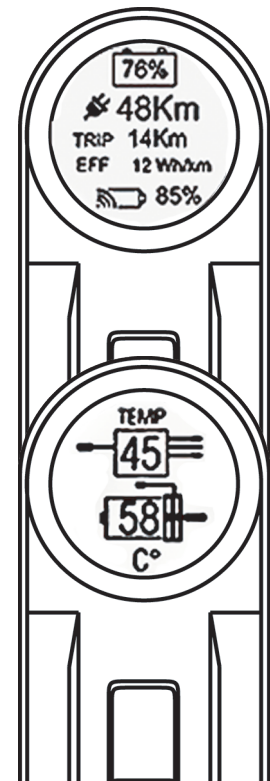
Smart Reverse: Hold full brake at a stand still

CRUISE CONTROL

Cruise Control on: Click Button 1.

Cruise Control off: Click Button one or move throttle.

Increase Speed: Hold Button 1



DATA SCREEN

Press button 2 while on the main screen to view;

-Board Battery (%)

-Estimated Range (Km)

-Trip Distance (Km)

-Board Efficiency (Wh/Km)

-Remote Battery (%)

TEMPERATURE SCREEN

Press button 2 while on the Data Screen to view;

-VESC Temperature (C°)

-Motor Temperature(s) (C°)

LOCK / UNLOCK THROTTLE

Lock: Full Brake & any button

Unlock: Full Throttle & any button





NEXT GENERATION SKATEBOARD CONTROLLER

VESC Manuals:



Safety Warnings:



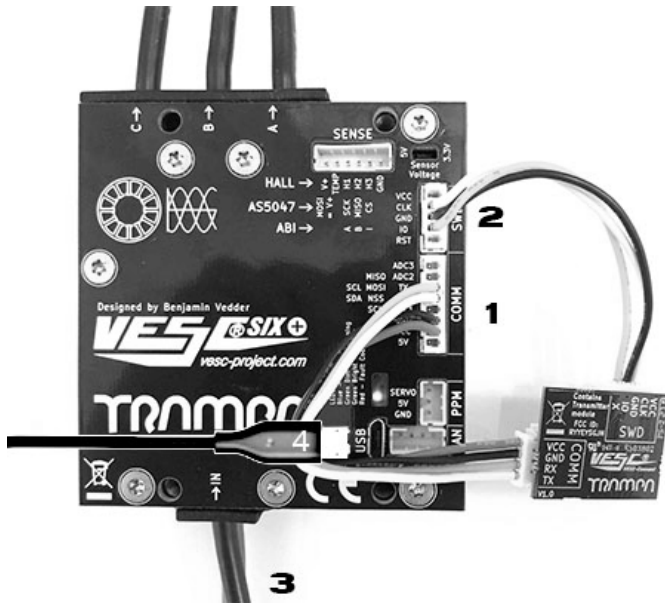
Flashing Guide

- 1 Follow the steps in the image below
NOTE THIS CANNOT BE DONE WITH THE VESC APP
- 2 Select SWD PROG and click CONNECT
- 3 Select BLE TRAMPA from the included firmwares and click UPLOAD
- 4 Once the upload is complete click DISCONNECT
- 5 Disconnect the VESC and remove the SWD program cable.
Now your Connect NRF Dongle is ready to pair with the WAND

If you own an existing TRAMPA VESC-Connect NRF Dongle, you may need to update the Firmware on the Dongle before connecting the WAND. Your WAND comes with a program cable that plugs into the SWD port & connects it a VESC, allowing FW updates.

Pairing Guide

- 1 Power on the VESC and connect to it through the APP or DESKTOP TOOL
- 2 Select INPUT configuration wizard
- 3 Select the VESC the NRF dongle is connected to (usually 'This VESC') then click NEXT
- 4 Select NRF controller and click next
- 5 You will see a pop-up box explaining that once you hit OK the VESC will 'listen' for the WAND for 10 seconds.
PLEASE ENSURE THE WAND IS OFF BEFORE PRESSING OK
- 6 While the VESC is 'listening' press any button on the WAND to power it on. You will see a pop-up confirming that the WAND is paired
- 7 Finish the setup wizard, disconnect and you're ready to ride!



1. Connect NRF Dongle to VESC **COMM Port**
2. Connect NRF Dongle to VESC **SWD Port**
3. Power up VESC
4. Connect VESC to Computer using **Micro USB** cable
5. Open VESC-Tool and click **AutoConnect**

Indepth Instructions found here:

WAND pairing instructions: <https://vesc-project.com/node/940>

Flashing Guidance: <https://vesc-project.com/node/1113>

Firmware update instructions: <https://vesc-project.com/node/1114>

This Wand remote comes with a basic Firmware & the functionality described on the front page. The VESC WAND Firmware will get updates over time. VESC-Tool will inform you about available updates. Always use the latest version of VESC-Tool & check for updates. **We strive to keep your product updated & functional as long as we possibly can.**

Please use the VESC-Tool Profiles to modify the power of your board. Limit the top speed & power levels while trying out & testing the WAND. Get used to the handling & check for stable connectivity before riding with higher powers. **Stay safe!**

Ensure the Dongle isn't unnecessarily shielded/blocked by its enclosure, and there are minimal obstacles between The Wand & Reciever. For the most secure connection, we recommend the Dongle is installed on the top side of the board, away from the rider's feet.

SAFETY WARNING! Before riding your Board, please always check perfect functionality. Never ride with a damaged remote or board. Always wear appropriate full body safety gear when riding TRAMPA boards. Please carefully read our general safety warning.

If you see an onscreen message about hardware faults, please get in touch with TRAMPA BOARDS. Email david.garlinge@trampaboards.com for replacements under warranty.



More manuals & tutorials on our YouTube Channel.
Search for TRAMPA Boards Ltd on YouTube.



Declaration of conformity (in accordance with ISO/IEC 17050-1)

Product: VESC WAND
Item Number: #Wand_Rev1.0

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the EU - Radio Equipment Directive 2014/53/EU

ETSI EN 301 489-1
ETSI EN 301 489-17
ETSI EN 300 328

Nottingham, 01.06.2017

Frank Drenckhahn

TRAMPA BOARDS LTD 2002 - 2019
Company Registration UK 4653504
Registered Business Address
27 Trent South Industrial Park
Little Tennis Street, Colwick
Nottinghamshire NG2 4EQ
United Kingdom

This device is manufactured to meet the **RoHS2** (2011/65/EU) regulations.

Instructions for disposal of WEEE by users in the European Union

This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.

FCC COMPLIANCE: This device contains FCC 2AA9B10

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.

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.

Additional information on labeling and user information requirements for Part 15 devices can be found in KDB Publication 784748 available at the FCC Office of Engineering and Technology (OET) Laboratory Division Knowledge Database (KDB)
<https://apps.fcc.gov/oetcf/kdb/index.cfm>.

Déclaration de conformité (conformément à la norme ISO/IEC17050-1)

Product: VESC WAND
Item Number: #Wand_Rev1.0

L'objet de la déclaration décrit ci-dessus est en conformité avec les exigences des spécifications énumérées ci-après, suivant les conditions de la directive RED 2014/53/EU:

ETSI EN 301 489-1
ETSI EN 301 489-17
ETSI EN 300 328

Nottingham, 01.06.2017

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L'objet de la déclaration est en conformité avec la directive **RoHS 2** (2011/65/EU).

Élimination dans l'Union Européenne

Ce produit ne doit pas être éliminé avec les ordures ménagères. Il est de la responsabilité de l'utilisateur de remettre le produit à un point de collecte officiel des déchets d'équipements électriques. Cette procédure permet de garantir le respect de l'environnement et l'absence de sollicitation excessive des ressources naturelles. Elle protège de plus le bien-être de la communauté humaine. Pour plus d'informations quant aux lieux d'éliminations des déchets d'équipements électriques, vous pouvez contacter votre mairie ou le service local de traitement des ordures ménagères.

Canada (IC): 12208A-10

This device complies with Industry Canada license 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Transmitter Antenna (from Section 7.1.2 RSS-Gen, Issue 3, December 2010): User manuals for transmitters shall display the following notice in a conspicuous location:

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Konformitätserklärung laut Allgemeine Anforderungen (ISO/IEC 17050-1:2004, korrigierte Fassung 2007-06-15)

Product: VESC WAND
Item Number: #Wand_Rev1.0

Das Produkt entspricht den einschlägigen Bestimmungen der RED 2014/53/EU:

ETSI EN 301 489-1
ETSI EN 301 489-17
ETSI EN 300 328

Nottingham, 01.06.2017

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Dieses Gerät wurde gemäß der Richtlinie **RoHS2** (2011/65/EU) hergestellt.

Anweisungen zur Entsorgung von Elektro- und Elektronik-Altgeräten für Benutzer in der Europäischen Union

Dieses Produkt darf nicht zusammen mit anderem Abfall entsorgt werden. Stattdessen ist der Benutzer dafür verantwortlich, unbrauchbare Geräte durch Abgabe bei einer speziellen Sammelstelle für das Recycling von unbrauchbaren elektrischen und elektronischen Geräten zu entsorgen. Die separate Sammlung und das Recycling von unbrauchbaren Geräten zum Zeitpunkt der Entsorgung hilft, natürliche Ressourcen zu bewahren und sicherzustellen, dass Geräte auf eine Weise wiederverwertet werden, bei der die menschliche Gesundheit und die Umwelt geschützt werden. Weitere Informationen dazu, wo sie unbrauchbare Geräte zum Recycling abgeben können, erhalten Sie bei lokalen Ämtern, bei der Müllabfuhr für Haushaltsmüll sowie dort, wo sie das Produkt gekauft haben.