

**ANTON  
BAUER**  
**VCLX Li 1600 Multi**  
**Voltage Battery**



# ANTON BAUER VCLX Li 1600 Multi Voltage Battery User Guide

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**ANTON BAUER VCLX Li 1600 Multi Voltage Battery**



## Product Information

### Specifications

- **Product Name:** VCLX LI
- **Publication Date:** 07/25/2024
- **Part Number:** 8675-0175
- **Manufacturer:** Videndum Plc
- **Intended Use:** Lithium-ion battery designed to be charged with current Anton/Bauer chargers

### Product Usage Instructions

- It is important to read and understand the safety information provided in the manual before operating the product.
- Ensure that you follow all safety precautions to prevent personal injury or damage to the equipment.
- Do not remove the cover of the product as there are no user-serviceable parts inside.
- Always be cautious of the risk of electric shock and check cables for any signs of damage before use.
- The VCLX LI Lithium-ion battery is specifically designed to be charged with Anton/Bauer chargers.
- Do not exceed the current output limit of the product when powering auxiliary devices.
- Only charge the VCLX LI Battery with the VCLX 2 charger.
- Avoid using flammable materials or solvents around batteries or chargers.
- Ensure that the product is used within the specified operating temperature limits.

### FAQ

- **Q:** Can I charge the VCLX LI Battery with chargers from other manufacturers?

- **A:** No, the VCLX LI Battery can only be charged with the VCLX 2 charger manufactured by Anton/Bauer.
- **Q:** What should I do if I notice damaged cables?
- **A:** Do not use the product if you notice damaged cables. Always check for any signs of damage before connecting the product for use.

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## Safety

Important information on the safe installation and operation of this product. Read this information before operating the product. For your safety, read these instructions. Do not operate the product if you do not understand how to use it safely. Save these instructions for future reference.

### Warning Symbols Used in These Instructions

-  **Warning** Where there is a risk of personal injury or injury to others, comments appear supported by the warning triangle symbol. Where there is a risk of damage to the product, associated equipment, process or surroundings, comments appear supported by the word 'Caution'.
-  **Warning** Where there is a risk of electric shock, comments appear supported by the hazardous voltage warning triangle.

## Intended Use

The Anton/Bauer VCLX LI Lithium-ion battery is specifically designed and optimized to be charged with current Anton/Bauer chargers.

### Full Documentation

This Quick-Start Guide will provide you with a brief overview of the key features and functionality of the VCLX LI. For more detailed information you can explore the full manual. The manual can be accessed via the Product page on the Anton/Bauer website. <https://www.antonbauer.com/en/products/vclx/>



### Electrical Connection

- **Danger** Risk of electric shock. Do not remove the cover, no user-serviceable parts inside the product.
- **Warning** Risk of electric shock. Always check cables for signs of damage. Damaged cables can cause personal injury and/or damage the equipment.
- **Caution** Do not exceed the current output limit of the product when powering auxiliary devices.
- Refer servicing to qualified service personnel.

### Operation

- **Warning** Special precautions and handling instructions are contained in this user guide and should be strictly adhered to for safe and reliable operation.
- **Warning** Never use flammable or combustible materials and solvents around batteries or chargers.
- **Caution** The product should not be used outside the operating temperature limits. Refer to the product technical specifications for the operating limits for the product.
- **Warning** While we offer protection against water ingress, we still generally advise against doing so as part of good practice. We don't formally have an IP rating, so this is a bit of a catch-all.
- **Warning** When cleaning the product, use a soft damp cloth only. Do not wet the exposed metal parts of the battery. Do not use solvents, detergents or scouring agents.
- **Danger** Do not drop, puncture or crush this battery. Do not use the battery if the case is damaged or broken. Do not open or attempt to service this battery if damaged.
- **Warning** These electronic devices can be damaged if the battery is subject to abuse or damage. Do not use a battery that has been subjected to excessive mechanical shock or water damage.

### Charging

**Danger** The VCLX LI Battery can only be charged with the VCLX 2 charger. Do not attempt to charge on non-interactive chargers or chargers not manufactured by Anton/Bauer.

### Maintenance

- **Danger** The fitting of non-approved parts or accessories, or the carrying out of non-approved alterations or servicing can be dangerous and could affect the safety of the product. It may also invalidate the terms and conditions of the product warranty.
- **Danger** Never attempt to service this battery. Refer servicing to qualified service personnel.

- **Danger** Never attempt to open this battery. The electronic circuits inside the battery can be damaged causing malfunction and/or potential hazard to person and property.
- Periodic cleaning of both the charger terminals and battery terminals will ensure continued reliable operation. Clean the terminals occasionally with a pencil eraser or lightly scrape the surface with a blunt instrument to help reduce the likely hood of build up causing poor communication or charging.
- Contact Anton/Bauer Customer Support Group with additional inquiries as to maintenance.

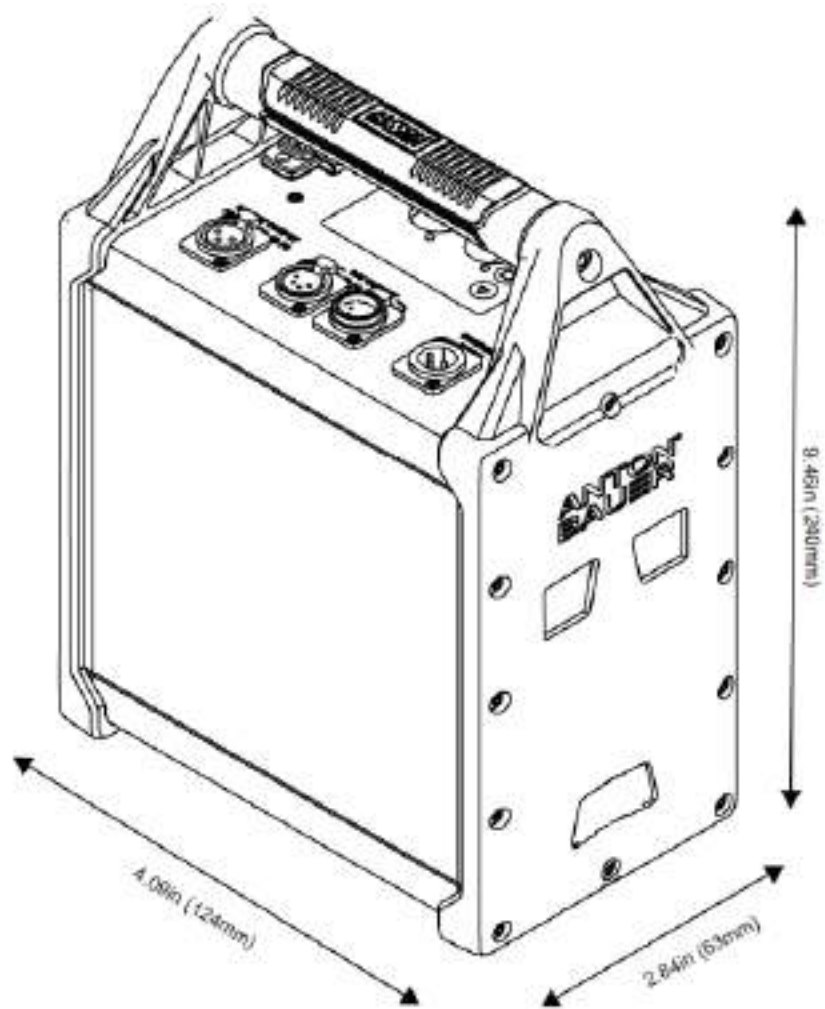
## Storage

- **Caution** Charge batteries at room temperature. In warm climates keep chargers in air-conditioned rooms for best performance.
- **Caution** Batteries should be stored in a fully charged state with the button in the OFF position to minimize self-discharge. The battery will “wake up” with the push of the button if it hasn’t self-discharged entirely, otherwise will “wake up” when placed on a charger.

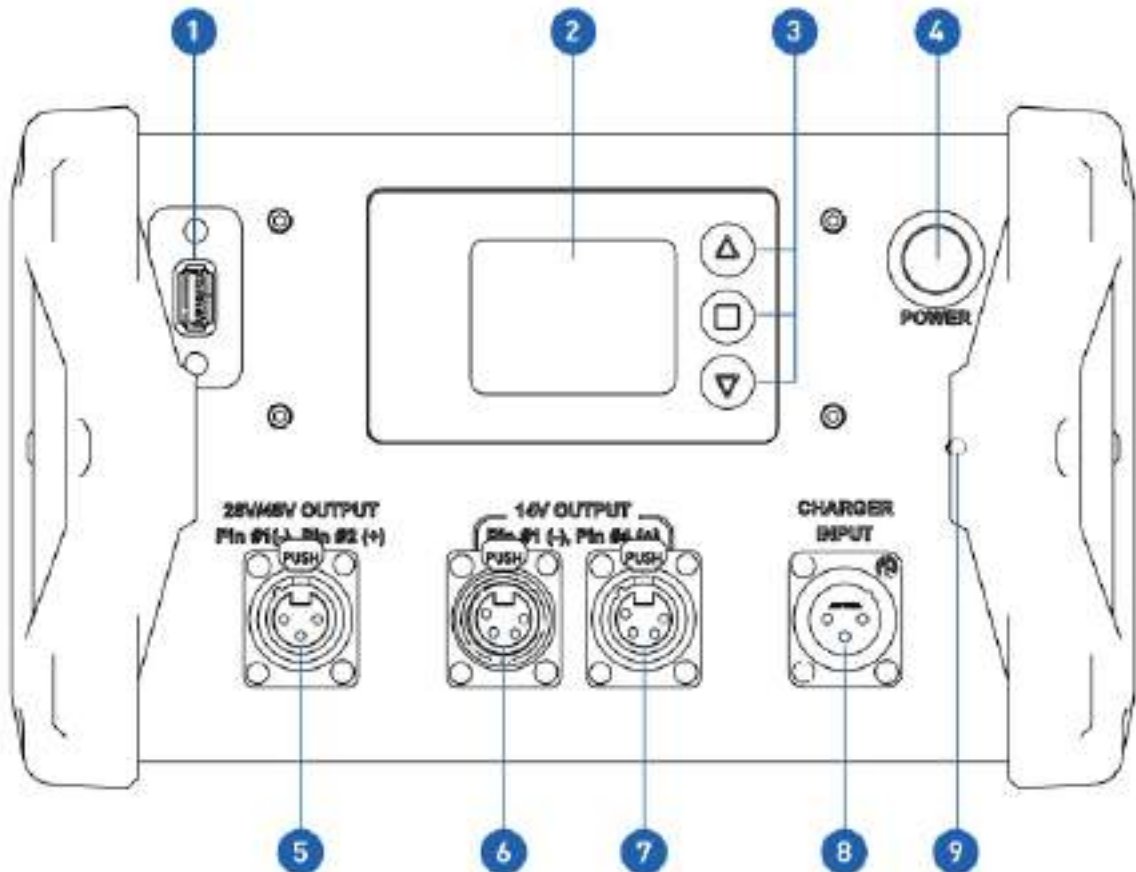
## Technical Specifications

- **Battery Capacity:** 1642Wh
- **Chemistry:** Lithium-Ion
- **Charge Time (To full):** 8 hours
- **Output Voltage (Regulated):** 5V (USB), 28V or 48V
- **Output Voltage (Variable):** 12 – 17V
- **Continuous Output Current (A):** 24A continuous draw at 14.4V, 16A continuous draw at 28V, 16A continuous draw at 48V
- **Maximum Output:** 850W output across all outputs.
- **Output Ports:** 2 x 4-pin XLR for 14.4V, 1 x 3- pin XLR for 28v/48V, 1 x USBA
- **Fuse Protection:** Smart electronic fuses controlled internally
- **Weight:** 25.5 lbs (11.56 kg)
- **Fleet Management:** Yes, Wi-Fi Included
- **Display:** 2.4” LCD
- **Operating Temp Range – Charge:** 23 to 95°F / -5 to 35°C
- **Operating Temp Range – Discharge:** 0 to 122°F / 0 to 50°C
- **Dimensions (WxHxD):** 4.09in (124mm) x 2.48in(63mm) x 9.46in (240mm)
- **Weatherproof:** IP65 Rated

## Dimensions



## Interface Layout



- **Power Button:** Press to turn the battery on.
- **Up Button:** Increase a value, navigate upwards, and increase the brightness of the screen when pressed and held on the homescreen.
- **Down Button:** Decrease a value, navigate downwards, decrease the brightness of the screen when pressed and hold on the homescreen.
- **Enter / Save Button:** Enter / Save Button: Enter selection/press and hold to save value.
- **USB Update / Import / Export / 5V Output port:** USB Port for performing software updates, Report Export or Wi-Fi information Import with a USB Thumb Drive.

### Power Button Status Light

- **Solid Blue** – Indicates System Idle State (or Powering Load)
- **Solid Green** – Fully Charged / Optimization Cycle Complete / Ready to use
- **Flashing Green** – Optimization Cycle in Process
- **Solid Yellow** – Charging paused due to temperature.
- **Solid Red** – Indicates System Fault State / Cell Pack(s) ERROR
- **Flashing Red** – Indicates Charging

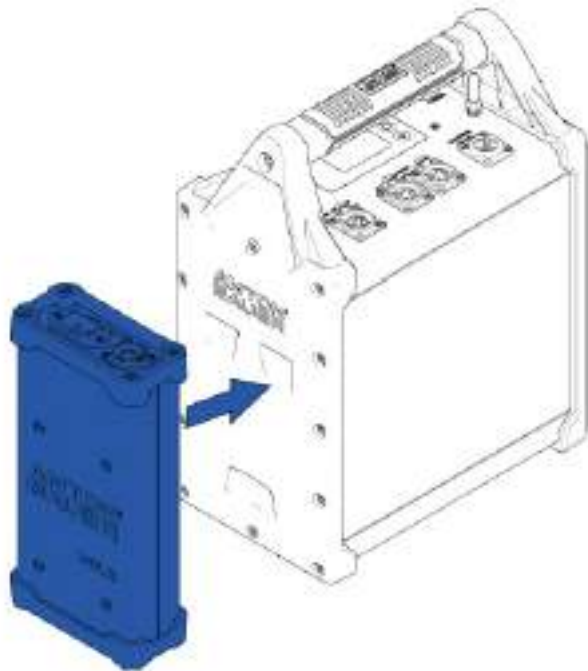
1. USB Update / Import / Export / 5V Output port
2. LCD Screen
3. Controls – Up, Enter, Down
4. Power On / Off
5. 28V/48V 3 Pin XLR OUTPUT
6. 14.4V 4 Pin XLR OUTPUT
7. 14.4V 4 Pin XLR OUTPUT
8. 3 Pin XLR Charger INPUT
9. WiFi Antenna

### Charging

#### Charging with the VCLX 2 Charger

Charge this battery fully before using. Allow the battery to reach a steady green mode before using. Charging is automatic. The following are the standard indications when connected to the official VCLX 2 charger.

- **Solid Yellow** – Charging paused due to temperature.
- **Solid Green** – Fully Charged / Optimization Cycle Complete / Ready to use



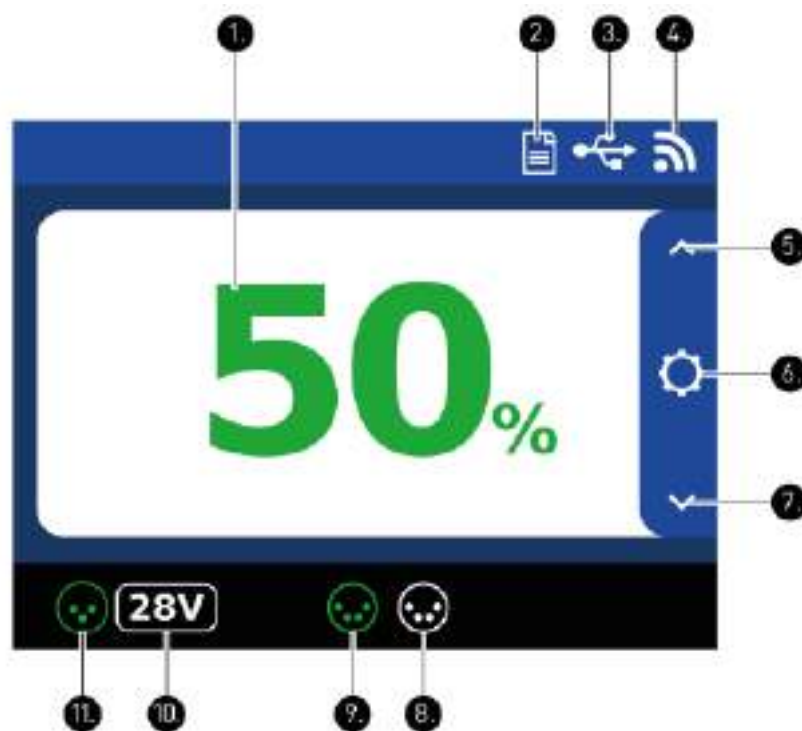
1. The Anton/Bauer VCLX 2 Charger features magnetic connectivity. Place the Charger with the connection pointing upwards on one of the sides of the VCLX LI.
2. Use the standard IEC Cable, which comes with the VCLX 2 charger, to plug it to a mains outlet.
3. Use an official Anton/Bauer charging cable 8075-0339 to attach the charger to the VCLX LI.
4. The red-flashing power button indicates the charging status.  
The top status bar on the LCD Display will turn green and the display will cycle through the state of the charge and the time to full.
5. The VCLX will be fully charged within ~ 8 hours. A fully charged battery will be stated by a solid green Power-on button and you'll stop seeing the "Time to Full", only the percentage.








## Software Interface Layout












1. Fuel gauge (Shows % when no device is attached; shows the remaining runtime in hours and minutes when the device is attached)
2. Report Indicator
3. USB Indicator
4. Wifi Status
5. Up Button – Increase a value or navigate Upwards
6. Settings / Enter / Save / Back Button
7. Down Button – Decrease a value or navigate Downwards
8. 4-Pin XLR-M Output Status
9. 4-Pin XLR-L Output Status
10. 3-Pin XLR Output Voltage (28V or 48V)
11. 3-Pin XLR-L Output Status



### Icon/Symbol explanation

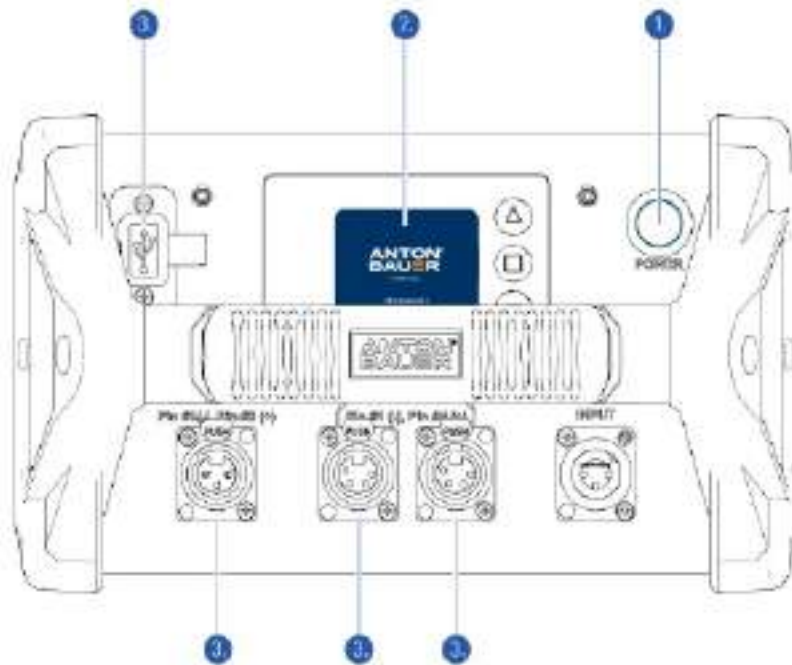
-  Settings – Enter the basic settings menu, which includes Firmware Info, Fault Info, LCD Settings and the 28V/48V Toggle
-  Up Button – Increase a value or navigate upwards
-  Down Button – Decrease a value or navigate downwards
-  Enter Button – Enter selection, Save Value
-  Back Button – Cancel or send you back to the sub-screen.

-  Active Wi-Fi connection with good signal
-  Active WiFi Connection with bad signal
-  No active Wifi Signal
-  USB Status – When a USB Device is plugged in the icon will appear in the top status bar
-  Report – The icon will appear in the top status bar when a report is generated. A green arrow will appear over the icon when the report is uploaded.
-  3-Pin XLR Status – Will turn green when a device is attached to this port.
-  **28V**
-  **48V** 3-Pin XLR Output Voltage – Show the current output voltage for the 3-Pin XLR output, which can be set in the basic menu.
-  4-Pin XLR Status – Will turn green when a device is attached to this port.

## Basic Operation

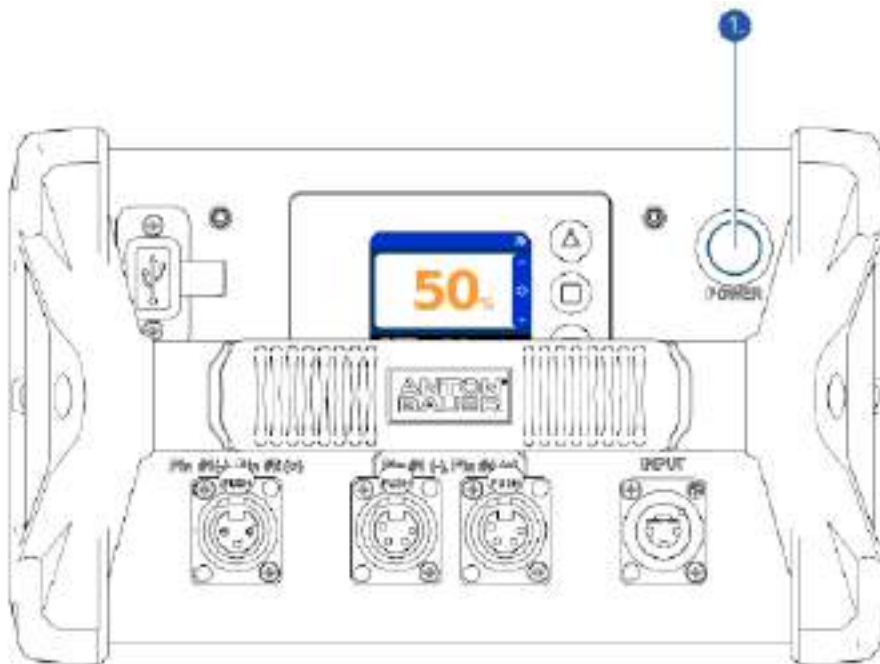
### Turning on and powering a device

1. To turn on the VCLX LI press the Power-on button. (1) You will see a solid blue light around the Power-on button.
2. The loading screen (2) will show a Anton/Bauer Logo with the current Firmware listed below. After a few second the home screen will appear.
3. Now use any of the four outputs (3) to power any device. As soon as a draw is attached to the VCLX LI, the output icon will turn green and the remaining runtime will show in minutes on the home screen.



## Turning off the VCLX LI

- To turn off the VCLX LI simply press the Power-on button (1).



## Menu Structure

### Basic Menu

1. Firmware Info  
Display the current Firmware installed on the VCLX LI
2. Fault Info  
In case of any Fault, the relevant info will be displayed.
3. LCD Settings

Adjust the brightness of the LCD screen, as well as adjusting the “Idle Off” settings

4. 28V/48V Toggle

Toggle the voltage from 28v to 48V, or vice versa, of the 3-PIN XLR output.

5. Advanced Settings

Entering the Advanced Settings of the VCLX LI. A Pin is required [17] to access this area.

6. Home

Brings you back to the home-screen.



### Advanced Menu

1. System Info

View your System Info like Serial Number, FCC, Health and Cycles.

2. System Settings

Enable/disable the users' ability to toggle between 28/48V in the 'Basic Menu'. If this feature is disabled, then the unit will only have a 28V output.

3. Reports

Generate Reports and load them either on a USB drive or load them to you FTP destination.

4. WiFi Settings

Enable or disable the Wifi on your Battery

5. WiFi Info

View the current status of the Wifi connection, including the FTP details and info about the last sync.

6. Set Unlock Pin

Set your unlock Pin for your VCLX NM2

7. Export Settings

Export all settings from your VCLX NM2, to load them onto another VCLX NM2

8. Built in Self Test

Start the “Built in self test” and save the results on a USB drive

9. Back

Sends you back to the Basic Menu





## 10. Home

Brings you back to the home-screen.






### PIN Code




Advanced Settings are only available for the owner of the battery. To secure them you will need a PIN code to access those.

1. To set the unlock PIN Code you will need to access the advanced settings. Press the settings button  on the home screen to access the basic settings. Navigate to “Advanced Settings ” by using the up  and down  buttons and confirm your selection with the enter button .







2. To access the advanced settings you will need your PIN code. The factory standard PIN Code is 0000. Select the numbers by using the up  and down  buttons and confirming each number with the enter button .

After 30 seconds, you will automatically come back to the home screen if no buttons are pressed

3. In the Advanced Settings menu select “Set Unlock Pin” by using the up  and down  buttons and confirm with the enter button .









4. Use the up  and down  buttons to select a number from 0-9 and confirm each number by the enter button . To cancel to process press and hold the enter button  for 3 seconds.



If the PIN CODE has been forgotten, please contact customer support.

### Use WiFi to upload reports to a FTP Server or to use the Anton/Bauer Fleet Management

To use the Wifi Module in the VCLX LI, you will need to create a config file which contains your WiFi information, as well as FTP details for your report upload. Follow these steps to generate the file and load into you VCLX LI. You will need a Computer and USB drive (Ensure the USB drive is formatted to use FAT32 file system) to complete this procedure.

1. Start by enabling WiFi through the advanced settings menu (To access the advanced settings menu, follow step 1 and 2 on the PIN Code Settings [17]) and select the WiFi settings by using the up  and down  buttons, confirm the selection with the enter button .
2. Use the up  or down  button to enable the the WiFi module. Confirm the selection with the enter button .







3. Now turn off the VCLX LI by pressing the Power-on button.
4. Visit [vclx.antonbauer.com](http://vclx.antonbauer.com) and login using the following credentials.
  - User: VCLXLI
  - Password: AntonBauer155
5. Now fill in your WiFi information and FTP Details and press "Generate File".  
Your Information will not be saved and all password details are fully encrypted.



6. You will receive a vclx.ini file. Please place it onto the root folder of a USB drive.
7. Insert the USB drive into the USB Port of the VCLX LI. Power on the battery until the import process is complete. The Battery will try to login to your WiFi with the provided information, and will show a status screen after the connection attempt is complete. If the connection wasn't successful, then please repeat step 4 – 6 again.



8. To check the WiFi Status, navigate to the advanced settings menu (as in Step 1) and navigate to the WiFi Info menu item by using the up  and down  buttons and confirm the selection with the enter button .
9. You will receive information about the SSID which the battery is connected to, as well as the FTP Server info. The WiFi Info screens also shows the last Synced information and the current WiFi status. To go back to the advanced setting menu, press the back button .



## Warnings and Errors

| Notification        | Classification | Solving   |
|---------------------|----------------|---|
| Charge Error        | Error          | If a charging error, then remove charger and re-insert. Power Cycle Unit To Clear Error.<br>If fault continues call service.  |
| Charge Warning      | Warning        | Charging Paused - Allow Time For Pack(s) To Cool.<br>Charging Will Resume Automatically   |
| Discharge Error     | Error          | Remove Devices, Power Cycle Unit To Clear Error.  |
| Invalid Pack Error  | Error          | Call For Service  |
| Temperature Error   | Error          | Call For Service  |
| XLR Load Error      | Error          | Reconnect devices one at a time and use the visual output connector warning on the display to see if you are overloading that XLR output.<br>If fault continues call service. |
| XLR Current Warning | Warning        | You are within 90% of the max load for this output.   |
| Max Load Warning    | Warning        | Total System Load Exceeding 700W Rating. Please Remove Devices.<br>If devices aren't removed the unit may shut down to protect itself.  |

## Declarations

### VLCX LI

#### EU Declaration of Conformity

Videndum Production Solutions Ltd. declares under our sole responsibility, supported by Videndum Production Solutions GmbH – our authorized representative, that the product detailed in this manual conforms with all relevant provisions of the following EU directives:



- Restriction of Hazardous Substances Directive 2011/65/EU
- A copy of the declaration is available on request.
- EU contact: Videndum Production Solutions GmbH, Parkring 29, 85748 Garching, Germany

#### UK Declaration of Conformity

Videndum Production Solutions Ltd. declares under our sole responsibility that the product detailed in this manual conforms with all relevant provisions of the following UK Regulations:



- The Electrical Equipment (Safety) Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
- A copy of the declaration is available on request.
- UK contact: Videndum Production Solutions Ltd, William Vinten Building, Easlea Road, Bury St. Edmunds, IP32



## 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.
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/television technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

## Environmental considerations

European Union Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC)



This symbol marked on the product or its packaging indicates that this product must not be disposed of with general household waste. In some countries or European Community regions separate collection systems have been set up to handle the recycling of electrical and electronic waste products. By ensuring this product is disposed of correctly, you will help prevent potentially negative consequences for the environment and human health. The recycling of materials helps conserve natural resources. Visit our website for information on how to safely dispose of this product and its packaging. In countries outside the EU: Dispose of this product at a collection point for the recycling of electrical and electronic equipment according to your local government regulations.

**Pollution statement:** This equipment is designed for operation in Pollution Degree 2 environments.

## CONTACT


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## Documents / Resources

|   |   |
|---|---|
|  | <p><a href="#">ANTON BAUER VCLX Li 1600 Multi Voltage Battery</a> [pdf] User Guide<br/>8675-0175, VCLX Li 1600 Multi Voltage Battery, VCLX Li 1600, Multi Voltage Battery, Voltage B<br/>attery</p> |
|---|---|

## References

- [Anton/Bauer VCLX NM2 - Config file Generator](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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