VictronConnect changelog and beta releases

During beta-testing of a new VictronConnect release, its details will be listed at the top of this page. Once released officially, all beta release notes are condensed into one full release note.

See also the victronconnect.

Please report bugs and give feedback to these betas via the Disqus comments below. Note that comments are not public by default, and first go to a moderation queue.

Changelog

v5.34beta3

2020-10-08

Download links:

- iOS: Join TestFlight https://testflight.apple.com/join/cvufYMEh
- Android ARM64 (Modern phones, try ARMv7 if this doesn't work)*
- Android ARMv7*
- Android x86*
- Windows 7 and higher
- Mac OS X 10.12 and higher
- Linux AppImage

* Android: If you can't open the downloaded file from the downloads list try using a file browser.

Please report bugs and give feedback to these betas via the Disqus comments below. Please note that comments are not public by default, and first go to a moderation queue.

Changes

Solar Chargers:

- Mark firmware v1.53 & 3.02 as mandatory updates

Phoenix Smart Charger:

- Fix rebulk voltage calculation in demo mode
- Fix tail current and low battery temperature settings are missing in demo

MPPT RS:

- Add display settings menu
  - Include temperature unit setting
  - Include backlight mode setting

Inverter RS:

- Add display settings menu
  - Include temperature unit setting

v5.34beta2

2020-10-07

Changes

Solar Chargers:

- Add firmware v1.53 update:
  - Remove improvement, added on v1.52, of the remote voltage sense compensation to speed up filtering. That improvement is postponed for now.
  - Text messages now always sent every 2 seconds and no longer interrupted when a hex message is received. That could reduce the risk of the MPPT control to get unresponsive when on the "connecting", as well as the "fetching history" screens.
  - History total data now always announced together with the history day0 data reducing the risk of the MPPT control to get unresponsive when on the "fetching history" screens.

- Add firmware v3.02 for VE.Can and *.xup based firmware MPPT models:
  - Fix announce of day 0 history data that could lead to the MPPT Control becoming unresponsive on the "fetching history" screen.

MPPT Control:

- Add firmware v1.02 update:
  - Solves MPPT Control getting stuck in "FETCHING HISTORY"
  - Makes the communication more robust
- Gray out Rx & Tx settings menu entry instead of hiding them when connected via VRM.

Phoenix Smart Charger:

- Add firmware v3.31 update:
  - Update for Phoenix Smart IP43 Chargers Rev1 only
  - Support for VE.Smart networking
    - For now only vsense and tsense; synchronized charging is scheduled for a future release
    - Blank status LEDs briefly once every 4 seconds to indicate VE.Smart networking is active
  - History of the last 40 charge cycles, similar as the Blue Smart Chargers
    - Note that the history is the total of all outputs
  - Use re-bulk voltage offset instead of absolute re-bulk voltage
    - The re-bulk voltage is migrated to re-bulk voltage offset based on the lowest setpoint
  - Improved temperature compensation
    - Compensate up to -20°C, except for float and storage
    - Similar as the MPPTs
  - Lower the minimum allowed charger current from 25% to 10% * Inominal
    - Requires VE.Smart networking temperature sensor, e.g. Smart Battery Sense
    - When cut-off is active, the charger switches to the off state instead of continue

charging with 0A, like the MPPT does. When pressing the Why is my charger off? button in VictronConnect it will state that the charger is off due to a low battery temperature.
- For the current hardware (Rev1), instead of switching the unit off the setpoints are set to lowest value possible, i.e. 12V and 10% * Inominal for a 12V unit. This for the reason that it cannot be guaranteed that a battery voltage is always present, which is required for the charger to switch off. Some lithium batteries with build-in BMS will cut themselves off in case of over/under voltage or temperature.
- Added tail current
  - When the charge current is below the threshold for 1 minute, the absorption stage is ended and the charger will proceed to the next stage.
- Added high battery temperature condition to programmable relay
  - Requires VE.Smart networking temperature sensor, e.g. Smart Battery Sense
- Allow 0% recondition current
  - This fixes an issue with the VictronConnect lithium preset
  - Setting it to 0% skips the recondition stage, if enabled
- Added Keep Alive support
  - This improves bluetooth connectability, with VictronConnect
- Added support for settings changed
- Add remark about voltages when charger has multiple outputs

VE.Bus inverter/chargers:

- Fix L3 power output shows the value of L2 output

v5.34beta1

2020-10-02

Download links:

Changes

- Sort VRM installations by name
- Add timeout when connecting to a Bluetooth product to prevent connection getting stuck and ensure that the retry mechanism is triggered.
- Fix some texts do not update when switching language until the application is restarted

Solar Chargers:

- Add firmware v1.52 update:
  - Include low power mode for the small models. Idle current consumption (when PV is around 0V) is reduced by around 70%.
  - Improve remote voltage sense compensation to speed up filtering when necessary and improve voltage control response.
  - Change 100/20 48V default battery changed from 48V to auto detection.
  - Fix remote voltage compensation for small models. The voltage compensation of small MPPTs did not consider some current depended voltage drops, causing the MPPT to have a higher voltage setpoint, up to 200mV, depending on the MPPT current. This FW version fix that.

- Add firmware v3.01 for VE.Can and *.xup based firmware MPPT models:
  - Change firmware version number to v3.xx range to avoid confusion between different solar charger models.
  - Improve error 28 trigger conditions.
  - Improve detection of error 38/39 for 250V models.

VE.Smart Bluetooth Dongle:

- Add firmware v2.26 update
  - Prevent switching to unsupported baud rates
  - Support keep alive mechanism
  - Fix to prevent fragmented responses which could cause failing update over BLE of attached product

MPPT Control:

- Add support for firmware updates

v5.33 (Released officially)

2020-09-30

Changes

Orion Smart:

- Add Orion Smart firmware v1.06 update:
  - Fix an issue that causes the engine always considered to be shutdown. This issue only affected systems with engine shutdown detection function enabled and the "Shutdown voltage" set to a value above or equal to 13.30V when updating to the previous v1.05 firmware. Systems using default settings are not affected.

v5.32 (Released officially)

2020-09-23

Changes

- Fix "Fetching data" message is shown on the background when the alert notification drawer is open.
- Fix connection process gets stuck at 20% when the bonding information is not valid, e.g., after changing the PIN code from a different phone.
- Fix default PIN code warning "Do not warn me again for this product" option sometimes is not applied until the app is restarted.
- Improve behavior when a scan is started before the previously product was actually disconnected
- Changes to Trends UI and zoom functionality
- Show short note when firmware library is empty
- Fix Lithium Iron Phosphate (LiFePo4) preset for non-MPPT products with equalization auto stop mode setting support.

Orion Smart:

- Add firmware v1.05:
  - Add input voltage modulation when input voltage gets below the engine shutdown detection level (Vshutdown) to avoid depleting the starter battery.
  - Add new engine shutdown detection strategy to include a delayed start level to allow the starter battery to recharge for some time after turning on the engine.
  - Add different default input voltage lock-out values for when the charger is at charger mode (12.5V and 12.8V) or at PSU mode (10.5V and 11V).

Phoenix Smart Charger:

- Add remark "History data is for the total of all outputs" to history page (history is only available in beta firmware)
- Improve charge current setting adding minimum, low, and max current presets. Low current preset matches the charger low current mode so the charger LEDs behavior is the same than when enabling by pressing the physical button.

Solar Chargers:

- Add support for future MPPT models

Smart Chargers:

- Add support for VE.Smart networking (only supported by beta firmware)
- Layout fixes and improvements
- Fix reported power supply state
- Fix absorption time description
- Change the way the adaptive absorption time is displayed, make it similar to the MPPT for more consistency.
- Enabled more battery preset capabilities
- Improve re-bulk voltage offset setting
- Add "Why is the charger off?" functionality
- Add low temperature cut-off settings (only supported by beta firmware)
- Add IMPULSE-II Smart IP65 firmware v3.17
- Add Blue Smart IP65 Charger 12/5 firmware v3.22 update

v5.31 (Released officially)

2020-09-01

Changes

- Fix connection gets stuck showing "Fetching data" when connecting to a Bluetooth dongle in fault state

BMV & SmartShunt:

- Fix issue setting battery capacity to a value greater than 999Ah
- Fix missing decimals for mid-point voltage alarm and relay

Smart Phoenix Inverter:

- Fix disable Bluetooth function

v5.30 (Released officially)

2020-08-08

Changes

- Fix firmware updates loop on iOS & macOS when updating products based on .xup firmware

v5.29 (Released officially)

2020-08-05

Changes

- Fix BlueSolar VE.Can MPPT firmware update via VE.Direct Smart Dongle

v5.28 (Released officially)

2020-08-03

Changes

- Add the date to history CSV exports
- Add a setting to keep screen on while using VictronConnect
- Improve Bluetooth connection
- Allow commas and dots as decimal separator. This is useful on phones/computers with non-matching locale and keyboard layout configuration.
- Fix default battery monitor values when creating a new battery preset
- Unified MQTT and VRM error codes
- Added acknowledgment checkbox on the disable Bluetooth dialog.
- Fix duplicated disable Bluetooth switch/button
- Keep the connecting blur until all the live values are fetched.
- Show battery monitor settings in battery presets only if supported by the product
- Improve error message shown when opening a settings file created with an older VictronConnect version.

Solar Chargers:

- Update "Fixed absorption" description text

VE.Bus Inverter/Chargers:

- Add firmware v475
- Fix when updating the dongle firmware, a wrong warning that corresponds to Multi/Quattro firmware update is displayed.
- Fix VE.Bus product is not recognized after a firmware update requiring to press the scan button.

Orion Smart:

- Add firmware update v1.04 for Non-Isolated models (mandatory update):
    - Fix a bug regarding the temperature compensation of the output voltage.

Smart Chargers:

- Collapse status widget when scrolling
- Add support for future Phoenix Smart IP43 Charger revision 2 models
- Fix "User defined" is shown when selecting Lithium preset from VictronConnect presets library
- Fix vertical scroll bar in live data page is not shown on desktops and tablets when in landscape mode

Lynx BMS:

- Add Lynx Ion BMS support

Battery monitor:

- Fix remaining time shows NaN when soc is lower than the discharge floor setting value

v5.27 (Released officially)

2020-07-06

Changes

- Improve the warning and information messages in the firmware update page
- Improve troubleshooting information
- Show default PIN code to the connection progress pop-up
- Advice to check the notifications bar when the pairing request doesn't appear on Android
- Only advice to remove the product from the Bluetooth paired devices list when that could be the issue.
- Disconnect every Bluetooth product before starting a new scan. This prevents the state where a product could remain connected after an interrupted firmware update.
- Increase the number of lines logged into the service report.
- Fix *.xup update fails when triggered within a few seconds after VictronConnect start up.

SmartLithium:

- Add firmware v1.19 update (mandatory)
    - Fix issue with 12V batteries where cell 2 and cell 3 had a lower voltage when the battery was not charged for some time. (12V battery model only)
    - Fine-tuned balancer behaviour

v5.26 (Released officially)

2020-06-19

Download links:

- iOS: App Store
- Android
- Windows 7 and higher
- macOS 10.12 (macOS Sierra) and higher|App Store
- Linux AppImage

Please report bugs and give feedback to these betas via the Disqus comments below. Please note that comments are not public by default, and first go to a moderation queue.

Changes

- Fix freezes for a small amount of time while retrieving installations from the VRM server
- Fix possible crashes after re-scan
- Fix Android crashes and synchronization problems
- Fix devices in range list doesn't refresh when joining an existing VE.Smart network
- Fix settings save/load buttons sometimes remain disabled having to reconnect to activate them
- Fix the PIN dialog keeps the input of the first PIN change when changing the PIN twice on same session
- Remove duplicated demo products
- Do not show the default PIN code warning if there is a mandatory firmware update available
- Improve PIN code reset via PUK error handling
- Fix PIN code reset via PUK on Linux

MPPT Solar Chargers:

- New "charger off reason" feature: Display the actual off reason reported by the charger and offers guidance for troubleshooting possible installation problems. This feature is not available for the following solar charger models:
    - BlueSolar 70/15
    - BlueSolar 75/10
    - BlueSolar 75/15
    - BlueSolar 100/15
    - BlueSolar 100/30 rev1
    - BlueSolar 150/35 rev1
    - BlueSolar 75/50
    - BlueSolar 100/50 rev1
- Disable equalization voltage setting when Lithium preset is selected
- Rename "ESS" state by "External control"

SmartLihium:

- Improve battery status reporting and remove the "Busy" state.

Orion Smart:

- Fix battery preset setting shows "Factory default" instead the name of the selected preset

VE.Bus inverter/chargers:

- Fix firmware update button is disabled when forcing Multi/Quattro detection.
- Add firmware v474

InverterRS:

- Fix history CSV export
- Add SOC and temperature readout to the demo product

Smart Chargers:

- Fix wrong voltage limits on demos

v5.25 (Released officially)

2020-05-25

Changes

- Mark the VE.Direct Smart Dongle (Rev1) firmware v2.23 as a mandatory update. When a dongle running firmware v2.10 is connected to a BMV-70x the battery reading current is read only once and doesn't update when the value changes.
- Fix an issue that makes firmware updates via VE.Direct cable will not use higher baud rates than 19k2 making the firmware update slower than it should be.

MPPT Solar Chargers:

- Fix an issue that can make the battery voltage settings don't show the 36&48V options when the MPPT actually supports them.

v5.24 (Released officially)

2020-05-22

Changes

MPPT Solar Chargers:

- Fix a bug that makes battery current readout stop updating
- Fix Re-bulk offset setting shows the offset instead the resultant voltage when modifying it. This issue is only present German translation.

Smart Chargers:

- Fix main widget misalignment when in PSU mode and translation text is too long

v5.23 (Released officially)

2020-05-22

Changes:

- Fix history CSV export (Solar Chargers & Blue Smart Chargers)
- Fix Multi/Quattro AC Input control battery low voltage condition
- Fix battery settings voltages on Orion Smart demos
- Fix updater issues when the update button is pressed while the connection is not ready

v5.22 (Released officially)

2020-05-18

Changes:

- Fix new battery presets cannot be created

v5.21 (Released officially)

2020-05-18

Changes:

- Improved Bluetooth stability on Android
- Fix crash on Android when removing the USB serial port
- Performance improvements, mostly noticeable during connection time.
- Do not show the disable Bluetooth warnings when connected via VE.Direct cable
- VE.Smart network UI/UX improvements
- Fix battery presets edition
- Improve URL scheme registration on Linux
- Fix freezes on macOS where there are Bluetooth devices providing a serial port interface

Solar Chargers:

- Add Bluetooth firmware v2.25
- Add firmware v1.50
    - Improve PV Short Protection detection for 250V models when on ESS
    - Add timeout to join a synchronised charging network
    - Remove error 68. Now, the error will be no longer triggered when the same information comes from BLE and VE.Direct. A decision method based on priority is applied, where VE.Direct has a higher priority when compared to BLE. For more information, see MPPT Error Codes.
    - Fix spurious charge algorithm reset after overshoot/zero current event.
- Add firmware v1.06 (VE.Can models)
    - Update error 68 trigger conditions. Now, the error will be no longer triggered when the same information comes from BLE and VE.Direct/VE.Can. A decision method based on priority is applied, where VE.Direct/VE.Can have a higher priority when compared to BLE. Error will still be triggered if same data is received from VE.Direct and VE.Can. For more information, see MPPT Error Codes.
    - Improved error 38/39 detection when charger is externally controlled (i.e. ESS mode).
    - Fixed issue that could lead the MPPT to trigger error 67 (BMS missing) even when the BMS was present at the network. Also, the error could not be cleared properly.
    - Change error 67 behavior by turning it into a warning, not error. Output voltage drops to the battery base voltage.
    - Fix the reception of the charge current limit. That was a combined issue with Venus OS. The fix for the Venus is available on Venus OS v2.53 or higher.
    - Fix NMEA device instance change when done over complex commands on VE.Can.
- Show PV power of all the synchronised charging MPPT's in the VE.Smart network

Blue Smart Chargers:

- Add firmware v3.21 update:
  - **Added custom battery settings**
  - Added charge cycle history
    - Keeps track of the last 40 charge cycles
    - Keeps track of the cumulative data, like operating time, charged Ah, etc.
  - Improved Bluetooth connectability
    - Fixed issue on some Android phones that kept the connection alive when it must be closed
    - Show charger as not-connectable (greyed out) in VictronConnect, when it is already connected to another device
    - Extend Bluetooth range for Blue Smart IP67 chargers
    - Improved Bluetooth stability when performing a firmware update
  - Changed re-bulk strategy
    - The charger now automatically jumps back to bulk from (almost) all states if the current demand exceeds the maximum charge current. Previously this was only possible from the float and storage state.
    - A setting is introduced to set a current threshold for jumping back to bulk (default disabled). When the charge current in float or storage exceeds this threshold value it will jump back to bulk.
  - Improved relay clicking when mains is disconnected

VRM:

- Fix app crash can happen on Android on reconnection when bringing back the app from background
- Fix error "-100" on poor network connections or Venus devices with high CPU loads, now connection is retried and the error is better handled.
- Do not try to get a list of devices when the user has no full control access to the installation.

InverterRS:

- Add battery soc readout and battery monitor settings
- Add new overview page with current flow lines

VE.Bus Inverter/Chargers:

- Hide temperature compensation setting when Lithium battery setting is enabled
- Add firmware v473
  - Added grid code for Denmark.(based on "Technical regulation 3-3-1 for electrical energy storage facilities")
  - Added option to limit AC current to/from inverter for the grid codes:Europe, Belgium, Austria and Germany.
  - Added Lock-in/Lock-out on AC input voltage for the Cosφ function for the grid codes:Europe, Belgium and Austria

Phoenix Smart Charger:

- Add firmware update v3.19:
  - Disable 30 seconds Bluetooth recovery time at power-up
  - Bluetooth can be re-enabled through VE.Direct or by pressing the MODE button for 10s

- Hide re-bulk current setting; not used, but could still be set

BMV & SmartShunt:

- Increase displayed battery current resolution
- Fix voltage settings limits for BMV-710H Smart

Smart Chargers:

- Make the default max bulk time product specific

v5.20 (Released officially)

2020-04-06

Changes:

- Include Linux build as part of the releases
- Fix iOS video playback
- Make connection retry mechanism stop after three attempts
- Fix app can freeze when changing layout by resizing the window
- Internal improvements
- Speed up firmware updates for *.dup firmware based products
- Improve alarm notifications panel
- Add connection keep alive mechanism:
    - Fix that on Android, in certain situations the Bluetooth connection remains active when it should be closed.
    - Needs to be supported by the device firmware, at this moment only supported by Smart Battery Protect firmware v2.04.

(New)VRM feature:

- Monitor, configure and update VE.Direct devices remotely.

Android:

- Improve scanning by using a new API
- Add a dialog explaining the location services permission requirement
- Fix random crashes

SmartShunt:

- Show PIN code reset option
- Add history reset button

SmartCharger:

- Improve night mode handling
- Make re-bulk current a battery parameter
- Fix update notification doesn't update when error changes
- Add invalid history data error, including advice of how to recover
- Make changes to charge cycles history in preparation to upcoming new firmware version

InverterRS:

- Add support for InverterRS

VE.Direct Phoenix Inverter:

- Add firmware v1.21 (mandatory):
    - Fix for false "No Calibration" error
- Add demo for Phoenix Inverter 1200VA 230V

Solar Chargers:

- Add missing support for SmartSolar MPPT VE.Can 250/85

SmartBMS CL:

- Add support for Smart BMS CL

Smart Battery Protect:

- Update Alarm and Warnings to better reflect manual
- Add firmware v2.04 update (mandatory):
    - Added Charge Protection, which prevents overheating that happened when the product is installed wrongly, ie. by connecting a charger (e.g. a Multi) to the output. Note that still, also with this firmware update, the product is not to be installed in such manner. It is not designed to handle reverse currents. All currents need to go from IN to OUT. Which also means it cannot be used in combination with an inverter/charger like Multis and Quattros. This protection merely reduces the risk of overheating, smoke and fire in case of such error in the installation- design or -wiring. In detail:
        - When (output is disabled and) output voltage is 0.5V higher than battery voltage and internal temperature is above 45 °C, the output will be enabled.
        - Output will be kept enabled until internal temperature drops below 45 °C for 30 seconds.
        - All this time E8 is blinking on the display and showing an error in VictronConnect.
    - Support indication of default Bluetooth PIN.
    - Support advertising connection state while being connected to VictronConnect.
    - When changing the PIN, drop the existing bond information, such that user needs to pair again when reconnecting.
    - Fix issue with VE.Smart, where communication could come to a halt.
    - Several internal improvements.

GX devices:

- Fix detection of CCGX using old firmware version
- Fix GX device pre-selection on VRM registration

Solar Chargers:

- Fix demo of some models doesn't allow to set the battery voltage to 36 and 48 volts

VE.Bus Inverter/Chargers:

- Add MultiPlus-II firmware v471

- Fix AC low voltage connect value in demos
- Add demo for MultiPlus-II 5000

v5.19 (Released officially)

2020-02-20

Changes:

- Fix crashes might occur after a firmware update when the continue button is pressed

VE.Bus Inverter/Chargers:

- Include firmware v470 for MultiPlus-II models
  - Improved PWM driving

v5.18 (Released officially)

2020-02-13

Changes:

- Performance improvements on iOS and at first run for rest of platforms.
- Fix notifications drawer don't update the alarm/warning/error description is some cases
- Order demo groups alphabetically

SmartSolar VE.Can:

- Fix firmware updating via Bluetooth

GX devices:

- Improve Venus network settings layout
- Add new icons for Cerbo GX, Maxi GX, Octo GX and MultiPlus-II GX

Solar Chargers:

- Change default CSV name to SolarCharger instead of BlueSolar

Smart Chargers:

- Add default value to re-bulk current setting to the demo of those models that support advanced settings

Smart Battery Protect:

- Fix load output switch stays at off position when it should be in on position after pressing cancel in the deactivation warning dialog

BMV:

- Fix Input section is overlapped on BMV demos

SmartShunt:

- Add SmartShunt demo products

SmartLithium:

- Add 12V 100&150 Ah models

v5.17 (Released officially)

2020-02-03

Changes:

- General performance improvements
- Do not show default PIN code warning when there is a mandatory update available
- Fix missing decimal digits and units for trends
- Show a warning when trying to use an invalid firmware file

GX devices:

- Auto select the correct host for the remote console when connected via Bluetooth

Solar Chargers:

- Improve StreetLight settings UX
- Improve TX port and Load output settings UX
- Add support for new models

Blue Smart Chargers:

- Do not show advanced settings on demos when not supported by the charger

Phoenix Inverter:

- Set 60Hz as default freq. for 120V Phoenix Inverter demos, so that it matches the real 120V products that also have 60Hz as default

BMV-712

- Optimise the firmware file format to improve the update speed
  - No changes related, version is kept as v4.03.

Smart Chargers:

- Add re-bulk current setting

VE.Bus Inverter/Chargers:

- Include latest firmware, v469
- Add missing name/model description for some MultiPlus models

v5.16 (Released officially)

2019-12-20

Changes:

- Fix GX devices discovery on macOS (UPnP)
- Fix Windows 7 is reported as unsupported Operating System

v5.15 (Released officially)

2019-12-12

Changes:

- Fix an issue that freezes VictronConnect when connecting to a BMV-712 or SmartSolar and there is a Bluetooth interface firmware update available

v5.14 (Released officially)

2019-12-10

Changes:

- Guide the user when a product is not found:
    - Show a button on the device list page which links to a troubleshoot page with the most common connection issues.
- Make it clear that product is using latest firmware
- Show built-in firmware if there is a firmware update available
- Advice to remove bond when resetting PIN code by using PUK code; Otherwise, if using an invalid bond the puk reset process will fail
- Add SOC to battery settings so now it is possible to manually set it.
- Add storage settings to battery presets
- Check device OS and warn if it is not supported by VictronConnect
- Do not show default PIN code warning if there is a mandatory update available
- Fix trends sometimes don't restore the stored trend views
- Do not show the default PIN security warning when there is a mandatory update available
- Show devices in the devices list even when connection is not possible because are already connected to another phone/computer. Compatible devices:
    - VE.Direct dongles - released in v2.17 for SmartBMV, VE.Direct SmartSolar, PhoenixInverterSmart and VE.Direct external dongle; released in v2.18 for VE.Can SmartSolar.
    - SmartLithium batteries - released in v1.17
    - Smart Battery Sense - released in v1.04
    - IMPULSE-II Smart chargers - since v3.09
    - Phoenix Smart Charger - since v3.08

MPPT Solar Chargers:

- Add a text to advice to remove the jumper in VE.Direct port when changing load output operation mode.
- Fix available options on RX Functions for MPPTs. Small models have all 4 options, bigger models do not have a load output.

Smart Chargers:

- Add settings support for IP65 24/13 & 12/25 models
- Add firmware v3.14 for Blue Smart IP22/IP65/IP67 Chargers:
  - Added option to disable BLE off recovery time of 30s for security reasons. This means that for the Blue Smart IP67 Charger a bluetooth killswitch is introduced, because there is no way to re-enable bluetooth once disabled. For both the Blue Smart IP22 and IP65 the MODE button can be used to perform a bluetooth reset and re-enable bluetooth.

Phoenix VE.Direct Inverters:

- Add firmware v1.19 update for 800/1200VA models:
- Fix for 800/1200VA VE.Direct-Inverters: Power-up fails at a low battery voltage

VE.Bus Inverter/Chargers:

- Add firmware v467 for MultiPlus-II

VE.Direct Bluetooth Smart Dongle:

- Add firmware v2.23. This firmware was already available for rev2 dongles, this is for the first version of the dongle:
  - Support for device off reason when attached to Inverter.
  - Support apparent power when attached to Inverter.
  - TX power for advertisement increased.
  - Add default PIN code detection support.
  - Bonding info is removed when pincode changes.
  - Support mA resolution for SmartBMV battery current
  - Several small stability fixes
  - Advertising with own product ID started if no successful VeDirect communication was possible within 20 seconds (fallback to be able to update dongle at all times).

IMPULSE-II Smart IP65 Chargers:

- Add firmware v3.15:
- Limit charging below 17.4V:
- Trigger a low battery voltage error
- Open the output relay
- Set the charge voltage to 24V
- Limit the charge current to 1A

v5.13 (Released officially)

2019-10-28

Changes:

VE.Bus Inverter/Chargers:

- Update MultiPlus-II firmware to latest version (v466):
    - New gridcode for France (VFR 2019)
    - Two special gridcodes added for AS/NZS4777. These should be used in systems where the Neutral In and Out are externally tied together.

v5.12 (Released officially)

2019-10-28

Changes:

- Fix firmware version is not shown in all the cases when the update is completed
- Fix "update succeeded" message is wrongly displayed when trying to update using an invalid file
- Various user interface fixes and improvements

VE.Smart network:

- Change the way that a VE.Smart network information is presented:
    - Show devices that are in range for the connected product
    - Devices in range signal strength

Smart Battery Sense:

- Add firmware update v1.05

Bluetooth internal and external dongles:

- Add Bluetooth firmware v2.23

MPPT SolarChargers:

- Add MPPT Solar Chargers firmware v1.46:
    - Update marked mandatory only for SmartSolar as these models are affected by the bug described below.
    - Fix bug on the internal temperature measurement that lead to not being able to de-rate the output current due to a high temperature nor triggering the over temperature protection. (Bug introduced on v1.30). This bug is only present in SmartSolar.
- Make 30 day history in demos more accurate
- Add VE.Can MPPT SmartSolar firmware v1.03

BMV-712:

- Add BMV-712 firmware v4.03 (previously v4.01):
    - Fix an issue that makes the buzzer inaudible

VE.Bus Inverter/Chargers:

- Add firmware version 465 update
- Charger settings:

- - Add battery temperature compensation setting
    - Fix "Lithium battery" switch state doesn't reflect the actual value of the setting
    - Change hysteresis for Low DC Disconnect and Restart setting
  - Fix crash when an invalid firmware update file is selected
  - Add errors notification

Smart Battery Protect:

- Show the correct icon for Smart Battery Protect 48-100

SmartLithium:

- Add firmware version 1.17 update (previously v1.16):
  - Add cell under voltage pre-alarm threshold setting
  - Add support for BMS Pre-Alarm
  - Add Bluetooth On/Off support. **Caution!! Once Bluetooth is disabled it is not possible to enable it again**.

Blue Smart chargers:

- Add firmware update v3.12:
  - Update for all Blue Smart Chargers: IP22, IP65(exept Blue Smart IP65 Charger 12/25 & 24/13) & IP67
  - Added BLE on/off
    - When BLE is disabled, it will still be temporarily enabled for 30s at power-up. The user can connect within this 30s to re-enable BLE again, perform a firmware update or monitor the device. The connection will remain active when the user connects within the 30s. When the user disconnects, BLE will be disabled.
  - Clear bonded devices when the PIN is changed, except the connected device
  - Advice default PIN
  - Add BLE reset by press and hold the MODE button for 10s
    - Disconnect the active device
    - Restore PIN to default
    - Remove all bonded devices
    - Re-enable BLE
  - Prevent VE.Smart communication from lockup
- Add firmware update v3.11 for Blue Smart IP65XL Chargers 12/25 & 24/13

v5.11 (Released officially)

2019-09-18

Blog post: VictronConnect 5.9 – Solar Charger improvements and much more

Changes:

Fix VictronConnect could not recover properly after an interrupted bluetooth update of the bluetooth microcontroller/dongles in our products.

Known issues:

On macOS, a firmware update of Multis, Quattros or other devices with a VE.Bus port may fail. This

issue was introduced in VictronConnect v5.9. A new VictronConnect version fixing this is expected in the near future. Meanwhile, there is a workaround.

v5.10 (Released officially)

2019-09-13

Changes:

MPPT Solar Chargers:

- Fix an issue with the MPPT battery presets created with VictronConnect v5.8 and older. Those old presets don't include values for the new settings introduced in MPPT firmware v1.42. Because of that, when the user selected and re-applied such "old" preset using VictronConnect 5.9, settings like Adaptive absorption were disabled, while they should be enabled by default.

v5.9 (Released officially)

2019-09-11

Blog post: VictronConnect 5.9 – Solar Charger improvements and much more

Download links:

- iOS: App Store (Pending of App Store approval)
- Android
- Windows 7 and higher
- macOS 10.10 (OS X Yosemite) and higher|App Store

Changes:

General:

- Trends tab remembers last selected graphs for certain product family
- Improve PIN code change process
- Improve information shown when unable to connect to a product
- Fix PIN code reset via PUK code interface issues
- Fix settings files buttons could not appear when VE.Direct connected
- Fix overlapped text in the Inverter/Charger details page on Windows 10
- Show a warning when using Default PIN via BLE
    - Default PIN code must be always changed to prevent unwanted connections, now we advise it when default PIN code has not been changed
- Firmware updates are no longer mandatory for basic monitoring:
    - Live data page: This page can be accessed without updating the firmware unless the update is highly recommended and marked as mandatory.
    - Setting pages: To view and modify settings it is always necessary to update the product to the latest version included in VictronConnect.
- Do not allow change PIN code to same code
- Update the framework on top of which VictronConnect is built, required to comply with Google Play Store requirements. This will improve the application performance but adds a drawback:

We have to drop support for old OS versions, see below.

Android:

- Add ARM64bit build: Takes advantage of all the power of modern CPUs. This is also required by Google Play Store.
- Drop support for Android versions older than 5.0(Lollipop).
- Remove unintentional Android "microphone" and "camera" permissions, they are actually never user by VictronConnect.

iOS:

- Requires iOS version 11 or newer. Oldest iPhone supported now is iPhone 5s.

MPPT Chargers:

- Include firmware v1.42 (v1.43 for some models) for BlueSolar and SmartSolar chargers:
  - The Lithium battery rotary switch preset has been changed. Absorption time is fixed to 2 hours, and it will not stop on low tail current.
  - The re-bulk voltage was lowered from 13.7V to 13.4V (for all battery types).
  - Added four new settings:
    - Adjustable tail current (changeover from absorption to float).
    - Adjustable re-bulk offset voltage (changeover from float to bulk).
    - Adjustable automatic equalization parameters (current / duration).
    - Choose between adaptive- and fixed- absorption time. The adaptive mode is the method that has always been in the algorithm. It adapts the time to the battery voltage as seen in the morning. The fixed absorption time is what it says it is: a fixed time. No multipliers related to voltage in the morning. Setting absorption time to fixed does not disable the tail current mechanism: disable that too to get a 100% fixed absorption time. Note that we advise to not use fixed absorption times for lead batteries.
- Include firmware v1.02 for SmartSolar VE.Can:
  - Synchronized charging with VE.Can. This works the same as with previous models and the Skylla-i.
  - Add ESS support. When connected on VE.Can, the VE.Can device instance must be 0. Just like with the previous BlueSolar VE.Can models.
  - Add BMS support.
  - All new battery charger settings: fixed absorption, tail current, re-bulk offset voltage, max auto equalization time, equalization auto stop and equalization current percentage
  - Support for the Smart Battery Sense and BMV connected via Bluetooth VE.Smart.
- Update built-in presets database to match the new firmware

SmartShunt:

- Add support for new SmartShunt product

BMV:

- Fix empty item in the transmitting list is shown in the VE.Smart networking settings page.

Orion Smart:

- Add firmware v1.02
- Add engine shutdown detection setting
- Fix adaptive mode is not changed when selecting a battery preset

BlueSmart Chargers IP65:

- Enable PUK code PIN reset when the product supports it

Bluetooth:

- Fix PIN code change button it shown multiple times on some devices

VE.Direct Phoenix Inverter:

- Add firmware v1.17
  - Add "ECO search time" setting
  - Add option to disable Bluetooth on Smart models
  - Fix wrong AC output voltage being shown in in some cases

VE.Bus Inverter/Chargers:

- Add latest firmware versions (460 & 463)
- VeBusInverter: Reduce minimum DC Input low restart voltage (24V/48V)
  - The minimum DC Low Restart has been lowered for 24V models from 21.8 to 20.6, and from 43.6 to 41.2 for 48V models. Not for 12V units, due to hardware limitations.

IMPULSE-II chargers:

- Add charge cycles history

v5.8 (Released officially)

2019-07-18

Notes:

- When viewing the permissions of the Android version of VictronConnect, it shows "microphone" and "camera". This is unintentional and they are actually never user by VictronConnect. On Android versions >= 6, the individual permissions can be enabled/disabled and the "microphone" an "camera" permissions can stay disabled. These permissions are removed in version 5.9beta2.

Changes:

Inveter/Chargers:

- Add settings and firmware updates for Inverter/Chargers connected via MK3-USB:
  - Firmware version 459 is included in the app and the correct file for the connected product is automatically selected when updating.
  - Only basic settings are included, Virtual Switch and Assistants are not supported
  - Only single unit systems are supported

Orion Smart:

- Add support for Orion Smart converters

GX devices:

- Support Maxi GX and other future GX models
- Make possible to connect to a GX device even if the model is not recognised.

Smart Battery Sense:

- Include firmware v1.04 update

Blue Smart Chargers:

- Update the link pointing to the manual shown when a firmware update fails

Bluetooth products:

- Add Bluetooth disable option for products that supports it, available in the product info page
- Add instructional videos of how to remove the device pairing, required after a PIN code change

VE.Can MPPT:

- Include firmware v1.02
  - Synchronized charging with VE.Can. This works the same as with previous models.
  - Add ESS support.
  - Add BMS support.

SmartSolar chargers, Smart BMV, Smart Phoenix Inverters & VE.Direct Smart Bluetooth dongle:

- Include firmware v2.19:
  - Disable bluetooth option

MPPT Solar Chargers:

- Settings now scale accordingly to the selected battery voltage
- Fix presets can be created with incorrect values from a demo product and therefore when loading it on a real product makes the charger enter in error mode having to restore settings and power cycle it.

General:

- Fix links on firmware update result text doesn't work

v5.7 (Released officially)

2019-05-08

Changes:

- Fix PIN code change button is not shown

MPPT Solar Chargers:

- Prepare support for future firmware versions

v5.6 (Released officially)

2019-05-07

Notes:

- There is an issue in this version; the option to change the PIN code is not available. It is fixed in v5.7.

Changes:

- Fix firmware update retry is not triggered when reconnecting after an unsuccessful firmware update.
- Fix disable Bluetooth toggle is shown twice for some products
- Make trends use user selected temperature unit
- Fix typos in Dutch and German translations
- Internal improvements

GX devices:

- Show firmware version when the GX device is running firmware >= 2.30

v5.5 (Released officially)

2019-05-02

Download links:

- iOS: App Store
- Android
- Windows 7 and higher
- macOS 10.10 (OS X Yosemite) and higher|App Store

Please report bugs and give feedback to these betas via the Disqus comments below. Please note that comments are not public by default, and first go to a moderation queue.

Changes:

- Add support for Phoenix Smart Chargers
- Add new features highlight on home screen
- Add onboarding, shows to the user a brief description of the available options
- Add a button to disable Bluetooth; currently available for:
  - Smart Battery Protect
  - Smart Lithium batteries
  - Smart BMV-712
  - SmartSolar Chargers (only when updated to v1.40 or newer, which is not publicly available yet at this moment)

- Phoenix Smart Charger IP43
- Improve reset pin code by PUK handling
- Fix the "user defined" is shown when certain battery presets are selected
- Android: Fix crash on devices without Bluetooth
- Small GUI fixes and improvements
- Fix GX log converter day light saving issues.
- Add trend graphics for BMV, MPPT and Smart Battery Sense
  - BMV: voltage, current, power, consumed amp hours, state of charge, starter battery voltage, temperature, mid voltage deviation
  - Smart Battery Sense: voltage, temperature (those two are all this device measures)
  - MPPT: solar voltage, current & power. Battery voltage & current & temperature. Load current (for models that have a load output)
  - It records for max 2 hours; and stops/discards as soon as you disconnect from a device.
- Fix typos and improve wording on various pages
- Set MPPT low-temp cut-off setting resolution to one degree; the previous higher resolution was pointless.
- Add an option to select Fahrenheit as the unit for temperature. To enable, open the main VictronConnect menu, click settings. Here you'll see the version of VictronConnect as well as the option to change language and temperature unit.
- Fix EasySolar-II GX, MultiPlus-II GX and Generic Venus devices are shown as Unknown devices when discovered over UPnP

v5.4 (Released officially)

2019-03-08

<u>Changes:</u>

Smart Lithium Batteries:

- Add firmware v1.16 update:
  - Fix temperature inaccuracies. Between different batteries the accuracy of the temperature measurement varied a lot. In this update; three changes have been made to fix that:
    - The battery will, only once, automatically calibrate the temperature measurement when no balancing have been active for four hours.
    - Added "Battery temperature offset" user setting, range -10°C to +10°C. This can be configured through VictronConnect.
    - Stabilized battery temperature indication.
  - So, after updating to this version; the user has can do two things: wait for the automatic calibration to take place. Or go in and set the Temperature offset immediately. When doing so; the automatic calibration will not take place.
  - Enable custom name

Venus devices:

- Add Venus device discovery via UPnP:
  - The device running VictronConnect and the Venus device must be connected to the same local network.
  - Can find a Venus GX when connected to its built-in access point, useful to open remote console and configure network settings.

- Available functions are:
  - Open remote console
  - Open VRM to visualise data or add the installation to your account when setting it up.
  - See the device IP address

Android:

- Fix toolbar positioning on devices a with tall notch, for example Google Pixel 3XL

v5.3 (Released officially)

2019-02-10

Changes:

- Fix English language is not selectable
- Improve Spanish translation

Smart Phoenix Inverter:

- Show the correct product icon for 1600/2000VA models

MPPT Solar Chargers:

- Include firmware v1.39 update
  - Fix units sometimes failing when reset to defaults on a test bench; with a power supply connected to the PV inputs rather than a real PV array. See MPPT change log for more details.

BMV Battery monitor:

- Fix "Battery starts synchronized" setting. This is a recently introduced feature in the BMVs; Configuring that feature, #70 START SYNCHRONIZED, on the unit itself worked fine. But in VictronConnect it was not possible to change that setting. Now it works as it should.

Peak Power Pack:

- Fix wrong status is shown: it said `On for thirty minutes`; while it should say `On`.
- Add missing alarms
- Fix "0V" is displayed in case of an over voltage.

v5.2 (Released officially)

2019-01-09

Changes:

- Fix page device page is not closed after reconnection timeout

New products support:

- Smart Battery Protect
- Smart Phoenix Inverter

BMV Battery Monitor:

- BMV 712 Bluetooth firmware update v2.14
- BMV Battery monitor firmware v3.10(BMV 70x) and v4.01(Smart BMV) update
- Add "Battery starts synchronized" setting

VE.Direct Bluetooth Smart Dongle:

- Firmware v2.15 update:
    - Increased VE.Smart transmission robustness.
    - Start advertising after 20 seconds when no successful VE.Direct communication was possible

MPPT Solar Chargers:

- Add scrollbar to presets list
- Fix history totals text overlap
- SmartSolar Bluetooth firmware v2.14 update:
    - Increased VE.Smart transmission robustness.
    - Start advertising after 20 seconds when no successful VE.Direct communication was possible.

Smart Battery Sense:

- Add firmware v1.03 update
    - Improve Bluetooth range

VE.Bus Inverter/Charger:

- Fix overload alarm icon is missing

iOS:

- Fix PIN code can't be changed because the keyboard overlaps the "Accept" button: Now clicking somewhere on the dialog closes the keyboard.

v5.1 (Released officially)

2018-11-23

SmartLithium

- Update included firmware from v1.12 & v1.13 to v1.15
    - Add "Allowed-To-Charge minimum temperature" setting
    - By default it disables charge when battery temperature is below 5C.
    - Improved Bluetooth connection
- Fix SmartLithium disappears from the devices list after disconnecting.

BMV Battery monitor:

- Fix an issue that makes BMV disappear from devices list after disconnecting. This issue only affects to BMV which are configured for VE.Smart networking.

MPPT solar chargers:

- Fix AES time show undefined in the algorithm description

Phoenix Inverter:

- Fix AC output setting limits in demo products

macOS:

- Fix products on the devices list page are displayed with the default name instead of the custom name.

Android:

- Improve firmware update robustness

v5.0 (Released officially)

2018-10-09

Changes:

Firmware updating:

- Fix issue that can cause VictronConnect get stuck at 93% during a VE.Direct product firmware update

MPPT solar chargers:

- Added firmware v1.37 update
- Fix Automatic Energy Selector load output mode is not listed (only for SmartSolar)

BMV battery monitor:

- Fix time remaining displays "0m" when no current is flowing from or to the battery

v4.9 (Released officially)

2018-08-23

Changes:

VE.Bus Smart Bluetooth Dongle:

- Added firmware v1.07 update
  - Fixed an issue that makes the page show no values in some situations
- Hide SOC items when battery monitor is disabled
- Added missing Multi's model names

- Fix issues when connected Multi/Quattro firmware version is lower than 415.
- Warn about minimum firmware version

MPPT solar chargers:

- Added firmware v1.36 update for 250V models
- Load output: User algorithm 1&2 minimum voltage is now 10V for 12V systems.

BMV battery monitor:

- Added power value reading to the main page
- Fix time to go reported as "Infinite" instead of "0h" when discharge floor SOC level is reached
- Fix high voltage relay setting reports wrong values when editing for a first time in the session

Blue Smart Charger:

- Show correct value for low current setting in demo products

v4.8 (Released officially)

2018-07-05

Changes:

- Add SmartLithium 24V 200Ah demo
- Fix device filtering needs to be set after each scan

Mac:

- Fix crash when converting big Venus VRM database files to XLSX

VE.Bus smart dongle:

- Add support for VE.Bus Smart Dongle

v4.7 (Released officially)

2018-06-09

Changes:

- Fix products settings page is empty after automatic reconnection.

iOS:

- Improve iPhone X support

Blue Smart Chargers:

- Fix test stage not being shown for Blue Smart IP65 chargers
- Graph tab: Correct battery percentage in absorption stage description

v4.6 (Released officially)

2018-05-29

* Android: If you can't open the downloaded file from the downloads list try using a file browser.

Changes:

- Improve firmware update robustness
- Add Chinese translation

MPPT:

- Add firmware v1.33 update for 250V models
  - Further improve PV Short protection.
  - Fix in reporting current/wattage/state when the unit is not charging.

macOS:

- Fix issue that makes settings files not being saved if no ".vcsf" extension is manually appended to the filename.

v4.5 (Released officially)

2018-04-25

Changes:

- Fix French translation for "Switch on before sunrise" in Streetlight settings

Solar Chargers:

- Add firmware v1.32 update for 250V models
  - Improve power-stage shutdown sequence.
  - Improve / speed-up PV Short protection and introduce error code 39
- Fix PV current value stops updating two minutes after connecting
- Fix oldest day record is not exported to CSV file

BMV battery monitor:

- Fix temperature alarm and relay settings are always reported as disabled when Fahrenheit unit is selected

v4.4 (Released officially)

2018-03-16

Changes:

- Fix custom name max length for non ASCII characters

- Add VE.Smart networking settings to demo products
- Update translations
- Fix hardware failure alarm icon
- Fix live data relay icon
- Small user interface corrections and improvements

Solar Chargers:

- Added firmware v1.30 update, full changelog in https://professional.victronenergy.com
- Added internal bluetooth firmware v2.12 update
  - Add VE.Smart Networking support
- Add low temp cut-off setting, prevents damage in lithium batteries by disabling the charge during low temperature conditions.
- Show battery temperature when available.
  - Temperature is only available when the MPPT is configured in a VE.Smart network where the battery temperature is available.
- Make auto equalization interval the only charge setting that can be modified when a factory default battery is selected
- Send local time to the MPPT: Helps streetlights functionality to synchronize.
- Fix a bug that keeps streetlights on after sunrise
  - Issue occurs when the "At sunset" setting is modified when the "At sunrise" setting is already set to "Switch on before sunrise".

BMV battery monitor:

- Added internal bluetooth firmware v2.12 update
  - Added support for VE.Smart Networking
- Fix mid-point deviation unit, it was "V" when it should be "%"

SmartLithium:

- Added firmware v1.12 update
- Add "Allowed-To-Discharge cell voltage" setting
- Fix low cell voltage alarm

VE.Smart dongle:

- Added firmware v2.12 update (only for rev2 units)
- Added support for VE.Smart Networking

SmartBatterySense:

- Added firmware v1.02 update
  - Added support for VE.Smart Networking (Voltage & Temp)

PeakPowerPack:

- Show confirmation dialog before switching to hibernate

v4.3 (Released officially)

2018-02-08

Download links:

- iOS: App Store
- Android
- Windows 7 and higher
- macOS 10.10 (OS X Yosemite) and higher|App Store

Changes:

- Fix duplicated error message when loading an invalid settings file.
- Allow restoring settings from files created with previous VictronConnect versions

SmartLithium:

- Disable false low cell voltage alarm
- Rename battery to voltage in right panel

MPPT Solar chargers:

- Fix save/load settings functionality on BlueSolar 150/100 model
- Add relay state to live data page
- Add an error in one of the history records of the demo products
- Rename load output to virtual load output on devices without load output
- Add description to day/night detection settings
- History graphs:
  - Hide Bluk, Absorption or Float segments when the state was not reached
  - Improve bar length on days without production
  - Add scrollbars
  - Add mouseover to bars and buttons
  - Fix daily records values are partially hidden on some small screens, for example iPhone 5 & iPhone SE
  - Fix text overlapping due to translations

Phoenix Inverters:

- Fix save and load settings icons are disabled when using VE.Direct cable
- Add mode setting, mode now can be switched between on, off and ECO
- Add support for future models
- Add firmware v1.14 update for 800VA models

Blue Smart Chargers:

- Improve Bluk state description when Li-ion battery is selected

Windows & Mac:

- Add scroll bars to device list and settings pages
- Add mouseover effect to the refresh button in the device list page
- Rename "CCGX log converter" to "Venus log converter"

v4.2 (Released officially)

2018-01-07

Download links:

- iOS: App Store
- Android
- Windows 7 and higher
- macOS 10.10 (OS X Yosemite) and higher|App Store

Changes:

- Windows: Fix auto-update of VictronConnect
- iOS: No changes
- macOS: No changes
- Android: No changes

Note that in v4.0 and v4.1 the auto-update was not working in Windows hence fixed in v4.2, so Windows users will need to manually download and install this new version. There is no need to first uninstall it; simply download the new version and install it. This will automatically replace any existing install.

v4.1 (Released officially)

2018-01-07

Changes:

1. MPPT Solar Charger history page:
    1. Fix on historical graph, PMax is displayed in 'kWh' instead of 'W'
    2. Fix yield counter reset button missing
2. BMV
    1. iOS only: fix pressing the plus and minus symbols on the clear value also changed the set value at times when it shouldn't.
    2. Fix Tail current is shown as if its in Amps (current), while actually it is in percentage.
    3. Fix discharged & charged Energy units mix up
    4. Fix Missing "Sync to 100%" and "Zero current calibration" buttons
3. Windows & macOS:
    1. Fix device settings windows for the BMV are all blank.
    2. Fix saving mppt 30 day history to csv doesn't work.

And our thanks to Damon, Claudio, Justin, Rob, Andre, and others that helped find those bugs so quickly after the release.

v4.0 (Released officially)

2018-01-05

Changes:

- Completely redesigned user interface

- Context help for some settings
- Improved user experience
- Smoother navigation
- Tablet layout
- Responsive layout on desktop platforms
- Orientation locked to portrait on phones, and MPPT history can go fullscreen & landscape.

- Added translations: Dutch, French, German, Italian and Spanish. By default the system language is chosen

- Improve firmware update robustness when updating through VE.Direct

SmartLithium:

- New firmware update v1.07
  - Internal improvements

MPPT solar chargers:

- Improved history page with graphs
- Added user battery presets library
- Included firmware v1.29 update
- Show the actual state when performing an automatic equalization

Android:

- Minimum required version is Android 4.1
- Dropped support for Android ARMv5
- Notify that the location services are disabled when needed (Bluetooth & Android > 5) and guide the user to the Android location settings page.
- Improved USB OTG connection, fixes firmware update failures and random crashes.
- Fix first connection attempt after introducing the PIN code fails

Windows:

- Dropped Windows XP & Vista support, minimum required version is now Windows 7. The previous version, which can be used on XP, will remain available on our software downloads page.

macOS:

- Minimum required version is now Mac OSX 10.10 (Yosemite)

v3.3 (Windows only)

2018-01-05

Changes:

No changes added, this is a transition version to prevent VictronConnect being updated to v4.0 on Windows XP / Vista.

Windows XP / Vista:

This is the latest version as support for XP / Vista is dropped in v4.0.

Windows 7 and higher:

When updating from v3.2 this version will be installed and v4.0 update will be automatically requested.

v3.2 (Released officially)

2017-08-14

Changes:

* Always show "Restore factory defaults" button when supported. Button is not shown when VictronConnect doesn not support settings files for the product. * Enable manual firmware updates for Bluetooth products. * Show "Stay close to the device" when updating bluetooth connected devices

Windows & Mac:

- Fix command confirmation dialog, command is not sent when accepted. This issue affects "Restore default settings" button on all products and "Store settings" for Phoenix inverters.

BMV:

- Fix save/load settings buttons not displayed on BMV700

Settings files:

- Add support for the new SmartSolar 75/10, 75/15, 100/15, 100/20, 100/30, 100/50, 150/35 & 150/100.

Demos:

- Add SmartSolar 75/10, 75/15, 100/15, 100/20, 100/30, 100/50, 150/35 & 150/100 to the demo library

Blue Smart Chargers:

- Fix low current mode toggled when opening app from background. If the app is connected to the charger, the charger is in low current mode and the app is sent to background and then opened again the low current mode toggles to normal mode.
- Show the proper firmware error messages when the update fails
- Improve firmware update error message including a link to Victron Live troubleshooting.
- Include firmware v3.0 update.
    - Internal improvements
    - For some models the update might take a little longer, as the the hardware shuts down and it takes a little while to recover from this (approx. 10-15 seconds).

v3.1 (Released officially)

2017-08-01

Changes:

- Add settings files feature. This enables saving the product settings to a file and then load it later in the same or another product. Besides this, a setting file can be also opened as a demo and use it for diagnosis as it contains a snapshot of the product at the moment the file was saved including history records.

- Add demo products feature. A demo product can be used to:
  - Learn and show the options available for different products.
  - Create a specific setup, save that and send it to a customer so they can put it in their device.
  - Besides loading products from the standard library, it is also possible to load it from a saved file.
  - Use this to review settings made to your installations, make changes and then send them to whoever is at the site so they can apply them.
- Allow filtering of the device list
- Change menu items width to page width
- Feedback when a setting is correctly stored in the device
- Fix "Unsupported firmware version" error when opening BlueSolar & SmartSolar demos
- Fix "Show PIN code" option on PIN code change page
- Fix "Show PUK code" option on PIN code reset page

Windows & Mac:

- Left panel: Improve position of the connected product

BlueSolar & SmartSolar MPPT chargers:

- Fix automatic equalisation interval setting is disabled when "Use default charge settings" is selected
- Add an option to disable the charger.
- Include firmware v1.27 update
  - Add StreetLight night and day detection delay setting
  - Add inverted load on/off mode for Rx port function
  - Remove automatic battery voltage detection option:
  - Automatic battery voltage detection is only done once @ power-up. If the battery voltage is present (>7V) the detected battery voltage is stored and further automatic detection is disabled. If the battery voltage is absent (<7V) the unit operates as a 12V model, automatic detection remains active (@ next power-up).
  - Add manual equalization for some models. Excluded models:
    - BlueSolar 75/50
    - BlueSolar 150/35 rev1
    - BlueSolar 75/15
    - BlueSolar 100/15
    - BlueSolar 100/30
    - BlueSolar 100/50
    - BlueSolar 75/10

Blue Smart Charger IP22:

- Fix an issue that disables night mode or low current mode when reconnecting

SmartLithium:

- Enable reset PIN by PUK code

Android:

- Fix text field, dialogs and buttons rendering issues on devices running Android 7

Windows & Mac:

- Left panel: Improve position of the connected product

v3.0 (Released officially)

2017-07-05

Download links:

- iOS: App Store
- Android ARMv7
- Android ARMv5
- Android x86
- Windows XP and higher
- Mac OS X 10.8 and higher

Changes:

- Add manual firmware updates for Bluetooth

SmartLithium batteries:

- SmartLithium firmware v1.06 update:
    - Fix a problem with internal communication
- Rename "Communication error" to "Internal communication failure".

v2.9 (Released officially)

2017-06-13

Changes:

- SmartSolar 250/85 & SmartSolar 250/100 firmware v1.25 update:
    - Bug-fix in the mppt tracker control: unexpected drops in energy harvest during a sunny day
    - Parameter change: maximum panel current increased from 50A to 70A

v2.8 (Released officially)

2017-05-16

Changes:

Windows & Mac

- Fix an issue that makes that in certain conditions the latest edited setting is not sent to the product when leaving the settings page.

MPPT Solar Chargers:

- Include firmware v1.24 update for Smart Solar 250/100 and 250/85
  - Bug-fix in the battery voltage setting: the voltage always read as AUTO even if it is manually selected. **Keep in mind that updating the mppt 250/100 or 250/85 from v1.23 to v1.24 will change the voltage setting to 'AUTO', make sure to set the battery voltage to the correct voltage after updating.**

Phoenix Inverters:

- Improve live data page
- Set minimum value for "ECO minimum wake-up power" setting to 15W.

v2.7 (Released officially)

2017-04-25

Changes:

MPPT Solar Chargers:

- Include firmware v1.23 update

v2.6 (Released officially)

2017-04-20

Changes:

- Improve firmware update robustness

MPPT Solar Chargers:

- Include firmware v1.20 update

v2.5 (Released officially)

2017-04-18

Changes:

Android:

- Fix devices not listed on some HTC phones (and maybe others)

General:

- Add support for 120V VE.Direct Phoenix Inverters
- Add support for future new products

v2.4.2 (Android only, Released officially)

2017-04-03

Changes:

- Fix firmware update issues on Android 7 devices

v2.4.1 (Android only, Released officially)

2017-03-28

Changes:

- Improve firmware update robustness

v2.4 (Released officially)

2017-03-24

Changes:

VE.Direct Bluetooth Smart dongle:

- New firmware update v2.10
  - Improved communications robustness
  - Add support for new VE.Direct dongle

SmartSolar MPPT:

- Show the correct icon when updating bluetooth firmware
- Fix battery voltage can't be set to 48V on some models
- New Bluetooth firmware update v2.10

SmartLitihum batteries:

- Fix cell numbering on live data page
- New firmware update v1.05

Phoenix Inverter:

- Fix a typo in temperature alarms

Peak Power Pack:

- Rename "Mover" to "High current output(mover)" in live data page

v2.3 (Released officially)

2017-01-20

Changes:

General:

SmartLithium batteries:

- Add new models

BlueSolar & SmartSolar MPPT:

- Streetlight: Increase time offset limits from 720 to 900 minutes
- Add absorption time limit setting

Phoenix Inverter:

- Fix a typo in live data page

v2.2.2 (Released officially, Android only)

2016-12-06

Changes:

- Fix Google Play filtering issue that made some compatible Android devices appear as not-compatible. Some of the affected phones, but not all:
    - LG L90
    - LG Magna
    - Samsung Galaxy A3
    - Some variants of Samsung Galaxy A5
    - Huawei P8

v2.2 (Released officially)

2016-12-02

Changes:

General:

- Add custom names for Bluetooth products, can be set on the product info page
- Add support for future products
- Show hardware version(if available) on the product info page

Android:

- Improve compatibility with Android 6 devices
- Keep firmware update running in background when a phone call is received during a firmware update.
- Improve compatible devices filtering on Google Play Store specially with some Android 6 devices. This improvement involves the use of the new Android 6 permission system which makes necessary to request access to device location services to be able to scan nearby bluetooth low energy devices. You must allow VictronConnect to access to the location services when requested if you want to find bluetooth products.

BMV:

- Show relay state (Open/Closed) on the live data page

Phoenix Inverter:

- Add overload, DC ripple and low/high AC voltage alarms.
- Include firmware v1.09 update

Blue Smart Charger IP67:

- Include firmware v2.07 update
- Use the same page layout than Blue Smart Charger IP65

v2.1(Released officially)

2016-10-31

Changes:

General:

- Increase robustness in case of VE.Direct communication errors
- Add support for future products

Android:

- Fix serial port communication errors on Android 6 (OTG + VE.Direct USB cable)

BlueSolar MPPT:

- Fix a bug on streetlight settings page that made lights don't switch off till sunrise when PWM is disabled and "At sunset, switch lights on for a fixed time" is selected.
- Add constraints to the day/night detection voltages to make sure that night detection voltage is never below the minimum detectable voltage

v2.0 (Released officially)

2016-08-30

Changes:

General:

- Add reset PIN code by entering a PUK code. This option is accessible by doing a long press on the desired product on the discovery page, right click on desktop. This feature is only available on some products.
- CCGX log to xlsx: Include units in column

Android:

- New VE.Direct Smart bluetooth dongle firmware version 2.09 (fixes issues with Galaxy S5 and probably many other phones)
- Improve updating and connecting for Android 6
- Fixed BlueSolar MPPT 30 day history records are not displayed on Android 4.3

BlueSolar MPPT:

- New v1.19 firmware update included as a mandatory update.
- Add a switch to enable/disable equalisation, no need to set equalization values to 0 anymore.
- Add temperature compensation setting. Check VictronConnect manual to know how it works: https://www.victronenergy.com/live/victronconnect:start#bluesolar_mppt
- Fixed a bug that made the streetlight functionality stop working after toggling the on/off switch. The problem was that the "Switch lights on at sunset" event is disabled when streetlight functionality is set to off but it is not enabled again till the "At sunset" setting is modified by the user. This fix also detects if the issue is present on the configuration and automatically fixes it when opening the streetlight settings page.

Blue Smart Charger IP65:

- Improved page layout on desktop platforms
- New v2.03 firmware included:
    - Reduce connection problems, esp. in combination with Android 6
    - Fixes issues with Galaxy S5 and probably some other phones
    - Added identification: LEDs blink for 2 seconds when connecting
- Add support for future Blue Smart Charger models

v1.9 (Released officially)

2016-07-20

Changes:

General:

- Add support for future products

Phoenix Inverter:

- Hide "Low battery shut down" setting when dynamic cutoff is enabled.

BlueSolar MPPT:

- Make possible to select 36 and 48V battery voltage on BlueSolar MPPT 150/35 rev2

BMV:

- Include BMV-70x firmware v3.08 update

v1.8 (Released officially)

2016-07-04

Changes:

Phoenix Inverter:

- Include Phoenix Inverter firmware v1.03 update
- Fix Phoenix Inverter "Low battery shutdown voltage" setting is locked and showing "Dynamic"

v1.7 (Released officially)

2016-06-29

Changes:

General:

- New functionality: Convert CCGX log files to .xlsx Excel sheet (only Windows & Mac OS X)
- New functionality: Export 30-day BlueSolar MPPT history as CSV
- New functionality: "Create service report" option generates a diagnostics report for sending it to Victron Energy service in case of any issue.
- Improve dialogs, now all the dialogs are better centred on the screen
- Android: Shorten connecting time during updating
- Fix an issue that makes necessary to scan several times before Peak Power Pack is shown on the devices list when using VE.Direct USB interface(issue introduced in VictronConnect v1.6)
- Fix issue that makes one of the Accept/Cancel buttons sometimes doesn't appear on iOS dialogs
- Remove some unused icons, now the install size is sightly smaller on iOS

BlueSolar MPPT:

- Send local time to the MPPT when accessing to the streetlight settings and when switching on streetlight function. This makes the streetlight timer works more accurately prior to the synchronisation with the solar activity.
- Streetlight: Don't hide sunrise options when "Switch on till sunrise" is selected
- Load settings: Add boundaries for high and low voltage levels
- Battery settings: Make possible to set equalisation voltage to 0V

Phoenix Inverter:

- Add dynamic cutoff settings (dynamic cutoff will be available on the next firmware, v1.04)

Peak Power Pack:

- Fix size of the icon shown in the live data page

VE.Direct Bluetooth Smart dongle:

- Include new firmware update v2.07 that improves compatibility with Android 6*

*Tested phones

The following phones are tested and working but the update should also fix compatibility with many other Android 6 phones.

- Sony Xperia Z5
- Motorola Moto G 2014
- HTC One M9
- Samsung Galaxy S5 [1] [2]

[1] There still one issue that randomly makes the connection fail, to make it work again disable/enable bluetooth.

[2] To make it easier we recommend to use another phone to update the dongle firmware but is also possible to use the Samsung phone to do it, then some extra steps are necessary:

1. Remove the dongle from the paired devices list on the phone bluetooth settings
2. Close VictronConnect
3. Disconnect the dongle from the VE.Direct port and connect again while pressing the clear PIN code button to start the dongle in boot loader mode. Blue and red LED's will blink alternatively.
4. Open VictronConnect and click on the dongle item and start the update process

After entering in boot loader mode you have 30 seconds to connect to the dongle before it goes back to the normal mode. Start the process from step 1 if something fails. After the dongle is updated you might have to disable and then enable bluetooth again.

v1.6 (Released officially)

2016-06-10

General:

- List unrecognised Victron products the device list page. Useful when running an outdated VictronConnect version with new products.

BlueSolar MPPT:

- Fix "Use default charge settings" item behaviour when switching the rotary switch while battery settings page is displayed.(Only affects to MPPT with rotary switch and fw v1.17)
- Include BlueSolar MPPT firmware v1.17 as mandatory update

v1.5 (Released officially)

2016-05-02

- Fixed PIN code change function

v1.4 (Released officially)

2016-04-27

- New feature: Manual firmware updates. Manual firmware update option available on the product info page. Users with a BlueSolar MPPT can test this feature with the new v1.17 firmware available on https://professional.victronenergy.com.
- General small bug fixes and improvements

iOS:

- Fix issues with dialogs displaying long messages.

New firmwares included on this version:

- Phoenix inverter 250 and 375 VA fw: v1.02 (mandatory)
- VE.Direct Bluetooth Smart dongle fw: v2.06(mandatory)
    - Fix issue when connected device update was interrupted, resulting in device not being seen by VictronConnect
    - Show both leds when there is no vedirect device

v1.3 & 1.3.1(iOS) (Released officially)

2016-03-31

- New feature: Firmware updates. Firmware updates are included inside VictronConnect, when connecting to a product with a new firmware available the update page will pop up.
- Included firmwares on this version:
    - VE.Direct Bluetooth Smart dongle fw: v2.05 (mandatory*)
    - BlueSolar MPPT VE.Direct fw: v1.16 (mandatory*)
    - Phoenix inverter 250 and 375 VA fw: v1.01 (mandatory* and fixes bug in changing low battery settings)

Phones/Tablets

- Fix the app state handling, now VictronConnect disconnects from the product when the app is sent to the background or when receiving a call.

Android

- Improved USB OTG support on Android 6 (Marshmallow)

BlueSolar MPPT

- Added total yield (system and resettable) to the history page.
- Remove white space displayed on history records for MPPT without load output
- BatterySettings: Only supported voltages are displayed.
- Fix an issue that sends the voltage values automatically when entering to the battery

BMV

- Correct maximum starter battery voltage on history page

Phoenix inverter

- Fix wrong product name displayed
- iOS: Fix product info page doesn't open
- Change power bar color to red when the nominal power is passed
- Display a warning box notifying that the "Store settings" button should be pressed to make the changes permanent

Known issues:

- iOS: Wrong splash screen during launch(fixed in v1.3.1)

* Products with firmware updates marked as mandatory should be updated to continue using VictronConnect

v1.2 (Released officially)

2016-03-03

- New platforms: Windows and Mac OS X versions are now available.
- Add action bar to iOS keyboard with a minus (-) button and a "Done" button
- Fix "Clear history" button on MPPT and BMV
- Use different name in each step during the bluetooth dongle firmware update. (VE.Direct BLE dongle (legacy) and VE.Direct BLE dongle 2 (legacy))
- Show Bluetooth/VE.Direct icon depending on the connection type.(Android and MacOS)

BMV

- Fix an issue that returns a wrong value by setting to zero the alarm/relay temperature settings
- Fix typo in temperature warning message shown on the live data page
- Improve max/min values handling on alarms/relay settings pages

BlueSolar MPPT

- Show description of the selected load mode algorithm
- Fix "Clear history" button: it was partially hidden on the history page
- Auto scale yield and consumption unit on the history page from kWh to Wh
- Allow negative values for midnight-point shift on streetlight settings
- Add load current to the live data page
- Fix information box that warns the user that 30 day history is only available since firmware v1.16.

Known issues:

- Values doesn't fit controls on systems with the default font size set to large. The temporary workaround to fix the issue is to set the system default font size to normal. (Mac & Windows)
- Phoenix Inverters:
  - 250VA Inverter is displayed as 375VA
  - 375VA Inverter is displayed as 250VA
  - 24V and 48V devices: In combination with Inverter Firmware 1.00 the (alarm) low battery

voltage thresholds are displayed wrong and cannot be modified correctly. However the thresholds used by the Inverter are the correct ones, as listed in the user manual of the inverter. Solution: upgrade Inverter SW version to 1.01 or (newer).
  - On iOS only, clicking to the "Product info" button doesn't open the info page.

v1.1.5 (Released officially)

2016-02-02

- Fix BlueSolar MPPT streetlight settings. In versions v1.1.0 up to and including v1.1.4 it seemed like the streetlight settings were stored correctly, but they were not.
- VE.Direct BLE dongle renamed to VE.Direct Bluetooth Smart dongle

Known issues:

- On iOS it is not possible to set a negative value. Only a problem for BMVs when setting relay and alarm thresholds for temperature.

v1.1.4 (Released officially)

2016-01-28

- Add support for VE.Direct BLE dongles.
- Always go back to device main page on disconnection
- Fix consumption scale for BlueSolar MPPT history records
- Improve dialog style under iOS
- Improve appearance on small screens (<4")
- Correct TextField font
- Disable settings button while connecting
- Fix PWM information box in the streetlight settings page
- General small bug fixes and improvements
- Add new MPPT SmartSolar products
- Improve Blue Smart Charger page on small screens
- Update settings values immediately when restoring to defaults
- Fix "-0Ah" values for the BMV "Consumed Ah".

DISQUS

~~DISQUS~~