

## Firmware changelog of new features and bug fixes of the AC-Smart Wallbox family

Order No.	Part designation	Version
2863090000	CH-W-S-A11-P-E	Eco, 3ph; 11kW; 16A; Plug 5m
2863070000	CH-W-S-A11-S-E	Eco, 3ph; 11kW; 16A; Socket
2863100000	CH-W-S-A22-P-E	Eco, 3ph; 22kW; 32A; Plug 5m
2863080000	CH-W-S-A22-S-E	Eco, 3ph; 22kW; 32A; Socket
2875210000	CH-W-S-A7.4-P-E	Eco, 1ph; 7,4kW; 32A; Plug 5m
2875200000	CH-W-S-A7.4-S-E	Eco, 1ph; 7,4kW; 32A; Socket
2911200000	CH-W-S-A11-P7.5-E	Eco, 3ph; 11kW; 16A; Plug 7,5m
2911210000	CH-W-S-A11-P10-E	Eco, 3ph; 11kW; 16A; Plug 10m
2911220000	CH-W-S-A22-P7.5-E	Eco, 3ph; 22kW; 32A; Plug 7,5m
2875240000	CH-W-S-A11-P-V	Value; 3ph; 11kW; 16A; Plug 5m
2875220000	CH-W-S-A11-S-V	Value; 3ph; 11kW; 16A; Socket
2875250000	CH-W-S-A22-P-V	Value; 3ph; 11kW; 32A; Plug 5m
2875230000	CH-W-S-A22-S-V	Value; 3ph; 11kW; 32A; Socket
2911240000	CH-W-S-A11-P7.5-V	Value; 3ph; 11kW; 16A; Plug 7,5m
2911250000	CH-W-S-A11-P10-V	Value; 3ph; 11kW; 16A; Plug 10m
2911260000	CH-W-S-A22-P7.5-V	Value; 3ph; 22kW; 32A; Plug 7,5m
2875280000	CH-W-S-A11-P-A	Advanced; 3ph; 11kW; 16A, Plug 5m
2875260000	CH-W-S-A11-S-A	Advanced; 3ph; 11kW; 16A; Socket
2875290000	CH-W-S-A22-P-A	Advanced; 3ph; 22kW, 32A; Plug 5m
2875270000	CH-W-S-A22-S-A	Advanced; 3ph; 22kW; 32A; Socket
2911280000	CH-W-S-A11-P7.5-A	Advanced; 3ph; 11kW; 16A; Plug 7,5m
2911290000	CH-W-S-A11-P10-A	Advanced; 3ph; 11kW; 16A; Plug 10m
2911300000	CH-W-S-A22-P7.5-A	Advanced; 3ph; 22kW; 32A; Plug 7,5m
2987440000	CH-W-A22-S-A-ER	Advanced Eichrecht; 3ph; 22kW; Socket

### Firmware updating Information:

An update of the firmware can be done via the web server. A description of the firmware update can be found in the manual on the Weidmüller website: [www.weidmueller.com](http://www.weidmueller.com)

**Software Version: 01.00.10****Hardware Version 01.00.xx****Release date: Dezember 2022**

- Initial Release
- Related Software
  - Bluetooth:  
Software Version: 6.380.14.223 Release date: Dezember 2022
    - Initial Release
  - WIFI  
Software Version: 3.2.4.4 Release date: Dezember 2022
    - Initial Release

**Software Version: 01.01.10****Hardware Version 01.00.xx****Release date: Februar 2023**

- New Features:
  - Dynamic Loadmanagement (only Advanced)
  - OCPP-Communication via Cellular Modem (only Advanced)
  - Charging data storing (only Value/Advanced)
  - Charging data export (only Value/Advanced)
  - PLC-Module presence check (only Advanced)
- Bug Fixes:
  - Time accuracy approved
  - ASCII control characters in Modbus registers will be rejected
  - “+” character is now allowed in passwords etc.
  - “Active charging duration” now set to zero, if charging is deauthorized and authorized again without state A
  - Factory reset now deletes also WIFI and Bluetooth data
  - Taskbar description in Webserver adapted
  - General webserver optimization
  - General stability improvement
- Related Software
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - Bug Fixes:
      - Security gap while bluetooth coupling process closed
  - WIFI  
Software Version: 3.2.4.6 Release date: January 2023
    - Bug Fixes:
      - General stability improvement

- New Features:
  - Load management improved
    - Read out and usage of driven current from car (closed loop system)
    - No current reservation for cars in state B
    - Fallback current while connection timeout adapted (new Modbus RTU/TCP Register): Static load management: 6A, dynamic load management 0A
    - General improvements
  - PV-Charging added
  - Possibility to use Modbus-TCP communication to external measurement device added for PV-Charging & load management
    - Individual configuration
    - Preconfigured for Kostal inverter
  - Authorisation via Power Line Communication (car MAC-Address) added
    - Note: Possibility of crosstalk if two or more cars a plug in at the same time
  - Error message for missing SIM card for cellular communication added
  - Full power mode for RFID added (better support of RFID cards)
  - Possibility for external RFID/MAC authorization added (see application node)
  - Reactive and apparent power measurement added
  - Reactive overcurrent error added
  - Logs can be downloaded via webserver as TXT-File
  - Dubbel password entering for password change
- Bug Fixes:
  - Bug while provider or connection mode change in cellular communication fixed
  - Bugfix for big OCPP messages over cellular communication
  - Optimized certificate handling with cellular communication
  - Last found tag will now be deleted after 60s
  - Over current limits adapted because of tolerances of different measuring methods
  - Website optimization for mobile devices
  - General website optimization
  - Current and power values set to zero while relais are open
  - Bugfix for digital Input in Eco-Variants
- Related Software
  - PLC:
    - Software Version: 01.00.00 Release date: April 2023
      - Initial Version with authorization via PLC read out of car mac
  - Bluetooth:
    - Software Version: 6.380.14.224 Release date: January 2023
      - See above
  - WIFI
    - Software Version: 3.2.5.0 Release date: April 2023
      - Bug Fixes:
        - General stability improvements

- New Features:
  - Possibility to change sign of power from external TCP measurement
- Bug fixes:
  - Adjusted register type from input to holding for Kostal preselection in external TCP measurement
  - External TCP measurement is now possible for PV-charging without dynamic load management
- Related Software
  - PLC:  

<u>Software Version: 01.00.00</u>	<u>Release date: April 2023</u>
• See above	
  - Bluetooth:  

<u>Software Version: 6.380.14.224</u>	<u>Release date: January 2023</u>
• See above	
  - WIFI  

<u>Software Version: 3.2.5.0</u>	<u>Release date: April 2023</u>
▪ Bug Fixes: <ul style="list-style-type: none"><li>• See above</li></ul>	

- New Features:
  - Optimization, that PV-Batterie will not be discharged in edge cases
  - Optimization for phase switching in PV-Mixed-Mode
  - Network scan for Satellites in Control box
  - General improvements for Webserver
  - OCPP StopTransaction while connection lost will be resend after reconnection
  - OCPP StopTransaction while power failure will be resend after repowering
  - Only Advanced: OCPP Meter Values in Start-/StopTransaction message will be send as absolute value
  - Only Value: OCPP Meter Values in Start-/StopTransaction message will be send as relative value
  - OCPP energy values in MeterValues message will be send as relative value
  - Weidmüller one phase energy meters implemented
  - TCP energymeter preselection expanded for SMA Data Manager
  - RFID-Tags will only be read again after 2 seconds after completion of the previous authorization
- Bug fixes:
  - Bugfix for old/wrong energy value in OCPP MeterValues message
  - Bugfix for error handling while OCPP connection lost and for HTTP failure code
  - Bugfix for Local Authorize Tag with 20 characters
  - Bugfix for missing OCPP StartTransaction message after Authorize message
  - Bugfix for missing OCPP StatusNotification after connection lost
  - Bugfix for negative 16-Bit values for TCP energy meter communication
  - Timeout improvement for WIFI connections
  - Charging data export only possible after login
- Related Software
  - PLC:  
Software Version: 01.00.01 Release date: July 2023
    - Bug fixes:
      - Zero-Crossing-Detection Error solved
      - Improved error handling with PLC-Module
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.1 Release date: July 2023
    - Bug Fixes:
      - General stability improvements especially for heavy TCP communication

- Bug fixes:
  - Only Value/Advanced: Bugfix out of SW 01.03.05: Digital inputs 2 – 4 now again usable
  - Only Value/Advanced: Optimized external field detection of RFID-Reader and better performance
- Related Software
  - PLC:  
Software Version: 01.00.01 Release date: July 2023
    - Bug fixes:
      - See above
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.1 Release date: July 2023
    - Bug Fixes:
      - See above

- New Features:
  - Optimization of LCM for EVs with minimum charge current >6A
  - TCP energymeter preselection expanded for Huawei
  - OCPP SW Update: Retrieve Date implemented
  - OCPP adaption for “basic auth”
  - OCPP GetDiagnostic for FTPs-Upload implemented
  - OCPP ChargingProfiles respectively Smart Charging implemented
- Bug fixes:
  - Bugfix for LAN networks with heavy broadcast traffic
  - Bugfix for OCPP GetConfiguration when requesting all keys
  - LCM external Energy Meter: Bugfix for negative values
- Related Software
  - PLC:  
Software Version: 01.00.01 Release date: July 2023
    - Bug fixes:
      - See above
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.1 Release date: July 2023
    - Bug Fixes:
      - General stability improvements especially for heavy TCP communication

- New Features:
  - ModbusTCP: Ignore the Modbus unit-ID
  - Improve firmware update process: Beginning with 1.5.0 all firmware binaries are combined in a single file package

**Note: Downgrading to versions before 1.5.0 may require multiple installation steps!**
- Bug fixes:
  - WiFi SSIDs with space are now displayed correctly
  - WiFi passphrases with less than 8 characters will be ignored
- Related Software
  - PLC:  
Software Version: 01.00.01 Release date: July 2023
    - Bug fixes:
      - See above
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.5 Release date: February 2024
    - Bug Fixes:
      - General stability improvements especially for heavy TCP communication



- New Features:
  - Add multiple languages for website
    - Available languages depend on the firmware file used during the update
  - Add RFID tag names in exported charging history
  - Add option to disable reactive overcurrent shutdown
  - Add open source licence information in website
- Bug fixes:
  - Improve relay control logic
  - WiFi passphrases with less than 8 characters will be ignored
- Related Software
  - PLC:  
Software Version: 01.00.01 Release date: July 2023
    - See above
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.5 Release date: February 2024
    - See above

- Bug fixes:
  - Bug fixed in Charging Data Export with RFID tag names
- Related Software
  - PLC:  
Software Version: 01.00.01 Release date: July 2023
    - See above
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.5 Release date: February 2024
    - See above

- New Features:
  - Introduce AC Smart Advanced Eichrecht (CH-W-A22-S-A-ER, 2987440000)
  - Add support for OCPP TriggerMessage
  - Add field "iccid" in OCPP BootNotification
  - Add read-only OCPP configuration key "SupportedFileTransferProtocols"
  - Charging power may be limited to 4.2 kW (German §14a EnWG) using digital input
  - LCM global current limit may be reduces using digital inputs
- Bug fixes:
  - Fix some webserver translations
- Related Software
  - PLC:
    - Software Version: 01.00.01 Release date: July 2023
      - See above
  - Bluetooth:
    - Software Version: 6.380.14.224 Release date: January 2023
      - See above
  - WIFI
    - Software Version: 3.2.5.5 Release date: February 2024
      - See above
  - Secure (Only AC Smart Advanced Eichrecht)
    - Software Version: 01.00.06 Release date: February 2024
      - Initial Release
      - Hash 6AB0D7710FC1F424987A00AE05D33C89F59F51641641021C7E1AFC1474342E43

- **Not available for AC Smart Advanced Eichrecht**
- Bug fixes:
  - Fix a bug that energy meters could not be detected
  - Improve handling with special characters in web application
- Related Software
  - PLC:  
Software Version: 01.00.01 Release date: July 2023
    - See above
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.5 Release date: February 2024
    - See above
  - Secure (Only AC Smart Advanced Eichrecht)  
Software Version: 01.00.06 Release date: February 2024
    - Initial Release
    - Hash 6AB0D7710FC1F424987A00AE05D33C89F59F51641641021C7E1AFC1474342E43

- **Not available for AC Smart Advanced Eichrecht**
- New Features:
  - Added MDNS support (access the web interface using the serialnumber)
  - Combine all available translations in single firmware file
- Bug fixes:
  - Fix some webserver translations
  - Improve OCPP connection stability
  - Improve network stability
- Related Software
  - PLC:  
Software Version: 01.00.01 Release date: July 2023
    - See above
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.5 Release date: February 2024
    - See above
  - Secure (Only AC Smart Advanced Eichrecht)  
Software Version: 01.00.06 Release date: February 2024
    - Initial Release
    - Hash 6AB0D7710FC1F424987A00AE05D33C89F59F51641641021C7E1AFC1474342E43

- **Not available for AC Smart Advanced Eichrecht**
- Bug fixes:
  - Fix some webserver translations
- Related Software
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Software Version: 01.00.01 Release date: July 2023
    - See above
  - Bluetooth:  
Software Version: 6.380.14.224 Release date: January 2023
    - See above
  - WIFI  
Software Version: 3.2.5.5 Release date: February 2024
    - See above
  - Secure (Only AC Smart Advanced Eichrecht)  
Software Version: 01.00.06 Release date: February 2024
    - Initial Release
    - Hash 6AB0D7710FC1F424987A00AE05D33C89F59F51641641021C7E1AFC1474342E43