Changelog

All notable changes to the PD-42S Storyboard Release project should be documented in this file.

The format is based on Keep a Changelog,
and this project adheres to Semantic Versioning.

[1.0.67] 18/04/2024 {version for Walmart!}

- FID#4436 Remove activation of DEMO mode when pressing continuously for 5 seconds on touchscreen during First Use Wizard.
- FID#4436 WALMART ONLY: Only login and request Azure cloud connection credentials when they aren't already available.
  (to prevent resetting GPS coordinates of the Walmart oven in the cloud portal)
- FID#4439 WALMART ONLY: Always force DEMO_MODE parameter to OFF in Walmart ovens.
- FID#4439 No longer start a "First Use" recipe as the last step of the First Use Wizard, instead show Info dialog: "Rotisserie is now ready for use!".
- FID#4439 Now shows a "DEMO" icon in status bar at the top of the screen when DEMO_MODE parameters is ON.
- FID#4439 Settings in factory installed recipe 3 (chicken) has changed.

[1.0.66] 19/03/2024

- same as the v1.0.65 software, but without the Walmart specifics.

[1.0.65] 12/03/2024 {version for Walmart!}

Added

- FID#4404 Added Time entry in AM/PM format in the First use wizard.
- FID#4381 Endpoint discovery service for Walmart

Changed

- FID#4383 Changed factory installed recipes for Walmart to the new recipes we received on 12 march 2024.

[1.0.64] 29/02/2024

Fixed

- DID#16233 Fixed GUI not responding to touch events at the extreme top and extreme right side of the screen.

Added

- FID#4287 Add oven to the Axians cloud group that is connected with the entered Axians account username.
- FID#4287 Set oven initial GPS position in Azure cloud to Latitude:51.563 Longitude:4.472 (Fri-Jado site in the Netherlands)

Changed

- Changed text 'hours' to 'hours 0...23' in First Use Wizard, to indicate it expects time in 23:59 format.
- Azure cloud connection credentials are now always erased when the serial number of the oven changes.
- FID#4383 Only re-trigger the "First Use Wizard" for Walmart ovens when the 1st character of store number isn't a digit.

[1.0.63] 14/02/2024 {version for Walmart!}

Fixed

- FID#4383 Always set wifi mode to station mode on power up.
- FID#4336 Allow oven to go into standby in the last step of cleaning when it waits for user to remove detergent capsule.

[1.0.62] 09/02/2024 {version for Walmart!}

Changed

- FID#4383 Reset some settings for USA oven models on first boot:
    - parameter defaults for "Wifi Cloud", "Manager PIN", "Auto cook correction" & "Customer ID"
    - resets the commissioning to trigger a "First Use Procedure" in the GUI.
    - clears the stored wifi SSID an wifi password. (to force software to use default wifi fallback SSID settings.)
- Updated fallback wifi credentials to the latest SSID and password provided by Walmart.
- Sets the "cloud user" and "cloud password" introduced in v1.0.52 to automatically request credentials for the Azure cloud connection.

[1.0.61] 02/02/2024

Fixed

- Now gives atwilc wifi chip only 1 reset pulse to initialize on power up.

[1.0.60] 30/01/2024

Fixed

- Removed wifi disconnect before making a Wifi connection.
- Fixed parameter "End-user recipe edit" default for TDR-5 S 208V to 'yes'.

[1.0.59] 24/01/2024

Fixed

- DID#16165 Fixed parsing of json received from Axians cloud to accept partial and complete updates of parameters and new firmware info.

[1.0.58] 23/01/2024

Fixed

- DID#16180 fixed default preheat temperature slider in manager menu.

Changed

- FID#4370 changed default values of some parameters.
- Added entered store number to the Walmart cloud endpoint string.
- Changed certificates for Walmart cloud for lab & production environment, only storenr. 5519 uses lab certificate set.

[1.0.57] 21/12/2023

Fixed

- Fixed incorrect help screens and subdivided Clean / Daily Clean in 2 parts to limit picture size.

[1.0.56] 19/12/2023

Changed

- FID#4335 Change max. and default preheat and max. recipe temperature for models without AutoClean.

Added

- FID#4337 Extra help screens, different help screens for machines with AutoClean and machines without AutoClean (HandClean).

[1.0.55] 05/12/2023

Added

- FID#4333 Add 4 new icons to the recipe images

Fixed

- DID#16118 Fixed GUI didn't execute a reset (restart) after the user pressed 'YES' following a received SW update.

[1.0.54] 28/11/2023

Added

- Extra project files for GUI simulation on Windows environment

[1.0.53] 30/10/2023

Added

- FID#4278 (mutual auth with fixed test certificate and fallback ssid, both for Walmart cloud) Use "customer-id" = 1 and "storenumber" = 5519 to enable the Walmart cloud connection for testing.

[1.0.52] 19/10/2023

Added

- FID#4286 Added menu to generate oven error in service menu.
- FID#4287 Added input for cloud username and password in GUI.

[1.0.51] 21/09/2023

Added

- FID#4276 Added 4 new icons selectable in recipes. ('pre-clean' + 'extra-time' icon in normal and large size)

Changed

- DID#15934 Minimized wifi related debug over RS485 output. (screenshot uploads & recipe downloads).

[1.0.50] 22/06/2023

Changed

- FID#4193 Last entered recipe start time is used as start value for next recipe start time entry.

[1.0.49] 12/06/2023

Added

- FID#4180 Open wifi network parameter to allow connecting to a wifi network without password.

Fixed

- DID#15731 "Hard reset" not visible in manager menu when service PIN code not entered.
- DID#15733 Removed unused "short descale" statistics from service->LiveVars menu.
- DID#15662 factory tool not working with new atwilc1000 wifi chip

Changed

- FID#4171 Updated the translations from 2023-05-17 excel file.
- FID#4179 Replaced the hourglas image shown during taking a screenshot by a 50% transparent white border around the screen.

[1.0.48] 25/04/2023

Added

- FID#3766 Basic Support for WEIoT on S. porting of P+.
- FID#3993 Additions to WEIoT
- FID#3995 Walmart request Devicetype, Controllertype
- FID#3996 multiple error handling
- FID#3997 recipe information
- Extra translation texts
- FID#4097 start delay on recipe

Changed

- TID#13214 updated network stack to emNet V3.50.2 with Segger license.
- Add Error Clear event to FID3993
- Send error events with numeric rather than string arguments
- Changed factory application to v1.0.4 to reflect support of new ATWILC wifi module.

Fixed

- Fixed incorrect SSID in factory application, SSID should start with `Fri-_`
- Fixed factory application now disconnects from wifi when done.

[1.0.47] 28/03/2023

Added

- FID#4078 Added cleaning-text "Don't open door"

Fixed

- DID#15525 Buzzer stays on when hood dialog automatically disappears.
- DID#15526 Open door cooling dialog should auto disappear when oven is cooled.

[1.0.46] 17/02/2023

Added

- FID#3905 Don't cancel a running cleaning program when a hood failure occurs.
- Change serial number via new Menu item: Service->Factory Settings->S/N:

Fixed

- DID#15501 Changed total cleaning times are only updated in GUI after reset/reboot.
- DID#15502 Since v1.00.45 the modbus communication and RS485 debug output is missing
- DID#15503 Modify some default values for Device types in Excel sheet
- DID#15504 Change the \help0 & \help1 screens on the GUI (plus added missing QR code).
- DID#15505 Selected device name doesn't fit in "Device Type" menu item.
- DID#15506 GUI problems related to "Open door cooling" in cleaning program.

[1.0.45] 19/01/2023

Added

- FID#3895 added support for Atmel ATWILC1000 wifi module
  in addition to the original Siliconlab WGM110 wifi module.
  Wifi module is selected via variant detection on the PCB.

Fixed

- DID#15431 New Atmel wifi chip will disconnect from cloud when
  wifi cloud is disabled.

[1.0.44] 18/01/2023

Added

- FID#3903 Modifications in the GUI for the cleaning-process.
- FID#3823 Reordered service menu items.
- FID#3898 Added hard reset to manager menu.
- FID#3897 Added new oven variants.
  Added "GAS_HEATER_SUPPORTED" in 42smenu.json for menu items on machines with gas heater.
  Renamed the 3 original ovens:
  OVEN_LDR_AC_GAS is now OVEN_LDR_8S_AC_GAS
  OVEN_TDRi or OVEN_TDRs is now OVEN_TDR_8S
  OVEN_TDR_AC is now OVEN_TDR_8S_AC
- FID#3901 Don't go into door-open screen when opening door in IO test.
- FID#3900 Added clear cleaning status menu.
- FID#3902 Serial number editable without factory app.
  - Create a file called "serial.txt" and write the new serial number to it (can contain up to 15 characters).
  - Add file to the root of an usb stick and plug in.
  - Boot the print. It will read and apply the new serial number, then delete the file from the usb stick.
- NLS strings
  - WIFI_MENU
  - FACTORY_SETTINGS_MENU
  - CLEAN_TEMP_MENU
  - CLEAN_TIMES_MENU
  - CLEAN_WATER_SUPPLY_MENU
  - CLEAN_SANITATION_MENU
  - CLEANING_OPTIONS_MENU
  - DEMO_MODE_MENU
  - CLEANING_MENU
  - CLEAR_CLEANING_STATUS
  - DEVICE_TYPE.7 ... DEVICE_TYPE.17
  - NLS_REMOVE_DETERGENT
  - NLS_CLEANING_WARNING
  - NLS_CLEANING_OPEN_DOOR

    - NLS_CLEANING_CLOSE_DOOR
    - TDR_CLEAN_COOL_DOOR
    - TDR_CLEAN_COOL_DOOR.YES
    - TDR_CLEAN_COOL_DOOR.NO

Changed

- FID#4029 Changed machines LDR 8S and LDR 8S 208V to AutoClean variant.
- FID#3899 Changed help files for "help\0" and "help\1" folder.
- FID#4016 Changed defaults of these parameters, to remove some steps that were added with FID#3715:
  CFG_TDR_CLEAN_SPRAY_PANEL_SIDE = 0 (Daily clean)
  CFG_TDR_CLEAN_SPRAY_TIME = 0 sec (Daily clean)
  CFG_TDR_CLEAN_SOAP_RELEASE_TEMP = 50 Celsius (Daily clean)
  CFG_TDR_CLEAN_SOAP_RELEASE_TIME = 0 sec (Daily clean)
  CFG_TDR_CLEAN_SOAP_COOL_TIME = 0 sec (Daily clean)
  And remove them from the Service->Cleaning menu.
- FID#3823 NLS_TEST_PROGRAM changed from "test program" to "test cleaning"
- NLS strings
    - NLS_PLACE_CAPS
    - NLS_PLACE_DESCALE
    - NLS_PLACE_DETERGENT

Removed

- These NLS translations:
  TDR_CLEAN_SPRAY_PANEL_SIDE
  TDR_CLEAN_SPRAY_PANEL_SIDE.YES
  TDR_CLEAN_SPRAY_PANEL_SIDE.NO
  TDR_CLEAN_SPRAY_TIME
  TDR_CLEAN_SOAP_RELEASE_TEMP
  TDR_CLEAN_SOAP_RELEASE_TIME
  TDR_CLEAN_SOAP_COOL_TIME

[1.0.43] 12/07/2022

Added

- FID3993 Send more information to WEIoT
- send error events
- send recipe information
- send isClixonClosed

[1.0.41] 03/08/2022

Added

- FID3766 Basic Support for WEIoT on S

Changed

- mqtt code quality improvements including

[1.0.39] 18/05/2022

Added

- FID#3715 added new parameters for cleaning programs:
  CFG_TDR_CLEAN_SPRAY_PANEL_SIDE (Daily clean)
  CFG_TDR_CLEAN_SPRAY_TIME (Daily clean)
  CFG_TDR_CLEAN_SOAP_RELEASE_TEMP (Daily clean)
  CFG_TDR_CLEAN_SOAP_RELEASE_TIME (Daily clean)
  CFG_TDR_CLEAN_SOAP_COOL_TIME (Daily clean)
  CFG_TDR_CLEAN_HOT_RINSE2_TIME (2nd cycle of Daily clean)
  CFG_TDR_CLEAN_COLD_RINSE2_TIME (2nd cycle of Daily clean)
  CFG_TDR_CLEAN_HOT_RINSE4_TIME (Quick clean)
  CFG_TDR_CLEAN_COLD_RINSE4_TIME (Quick clean)
  CFG_TDR_CLEAN_HOT_RINSE5_TIME (Descale clean)
  CFG_TDR_CLEAN_COLD_RINSE5_TIME (Descale clean)
- FID#3715 Added 'Spray' phase between the 'Hot Rinse (watersupply)' and 'Hot Rinse (recycle water)' phases.
- Extra Modbus registers in the .mbc file to be able to monitor a running cleaning program via ModbusControl.exe/ModBusScope.exe

Changed

- FID#3715 changed internal name of these existing parameters:
  CFG_TDR_CLEAN_RINSE_HEAT_TIME becomes CFG_TDR_CLEAN_HOT_RINSE1_TIME (1st cycle of Daily clean)
  CFG_TDR_CLEAN_RINSE_TIME becomes CFG_TDR_CLEAN_COLD_RINSE1_TIME (1st cycle of Daily clean)
- FID#3715 Moved all the cleaning related settings to one "Clean settings" menu inside the service menu.
- FID#3715 now the fan will also alternate blowing 60 seconds ON/OFF during (cold) rinse fases in cleaning programs.

[1.0.38] 09/03/2022

Added

- FID#3606 Changing clock setting via the GUI is now only possible when `manager level` access is active.
  When `manager level` access is not active and there is a manager PIN code, the GUI will ask the user to enter the manager PIN code when trying to change the clock.
  After entering a valid manager PIN code the user can again select to change the clock setting and
  will be presented with the clock dialog.
- FID#3574 Support for sending HACCP log events via wifi to the cloud.
  Every 5 seconds the machine will check a volatile buffer with a maximum of 1000 HACCP log

events.
If there are new HACCP log events it will send at most 10 of these HACCP log events to the cloud.
Every HACCP log event has a timestamp when it occurred.

Changed

- FID#3637 changed some translations about deep cleaning, on request by Jan Diepstraten via email from 2022-3-3.
- DID#14520 Correct settings in GUI for sensor offset and heater offset input of temperatures in Fahrenheit.
- Support sending only N days of the HACCP log, also push various small cleanups

[1.0.37] 02/12/2021

Added

TID#8433 add software version number to HACCP exception log record

Changed

- TID#9964 nowifi: BSP variant detection
- TID#9966 nowifi: BSP pullup/pulldown configuration on MISO line to wifi module
- TID#9967 nowifi: APP modify FactoryParam interface for no wifi module variant.
- TID#9968 nowifi: Hide all wifi menu items and serial number + QR code of serial number for no wifi variant.
- TID#9973 nowifi: Show screenshot button dimmed when there is no wifi module, since you can't send a screenshot.
- TID#9974 nowifi: Inform GUI of no wifi variant.

  Added variant detection for PD42S controller without the SiliconLabs WGM110 wifi module.
- Detected by measuring the `variant` analog input, which will be pulled up to 3V3 when there is no wifi module.

  In case no wifi module is detected:
- Hide all wifi related menu items from service menu in GUI.
- Don't show a serial number or QR code of the serial number in GUI, since machine without wifi does not know its serial number.
- Show the screenshot icon dimmed in GUI to indicate you can't make screenshots.
- Don't start the Wifi Module routines.
- Don't try to load or save data (serial number) from the flash memory in the wifi module.
- It will provide dummy serial number '123456789' internally so that the machine can start the 'first-use' wizard.

[1.0.36] 17/11/2021

Removed

Removed RetailCombi (OVEN_RC5) from the software since this machine is obsolete.

Added

- FID#3493
  Added `LDR_AC_GAS` machine (OVEN_LDR_8S_AC_GAS), which is derived from the TDR_AC and has the same auto cleaning
  but uses a 0-10V PID regulated gas heater instead of an on/off electrical heater.

  The `LDR_AC_GAS` has device ID 7, which was previously used by the RetailCombi.
  This `LDR_AC_GAS` uses the default parameter table entries that were previously used by the RetailCombi.

  The gas burner can generate an alarm, which will stop the grilling and present a request to the user to reset the gas burner.
  When this happens 3 times within 5 minutes the recipe grilling will be aborted and logs an error preventing further grilling.
  That gas burner error can only be reset in the service menu by a service engineer.
- FID#3494 default parameters values adjusted
- FID#3497 test cleaning program add dry step + fix drain b timing & change step timing
- FID#3497 test clean program add rinse step
- FID#3487 show software version in `about` screen as v1.0.36 instead of v1.00.36
- FID#3492 adjust display of version nr to *.0.*
- FID#3506 add service parameter offset temperature sensor
- TID#7315 cleaning framework integrated "Clean Test Program"

[1.0.35] 14/09/2021

Changed

- FID#3430
  Changes handling hood signals
- FID#3414

  Changes for descale

[1.0.35] 15/06/2021

Changed

- FID#3390
  Update translations for Descale function (Deep Clean) for all languages
- DID#14066

  1) Fixed a problem with the storyboard GUI receiving multiple dialog boxes creating a critical failure.
  2) Active dialog box(es) in the GUI will now be remembered when the machine goes in standby,
  so that those dialog box(es) return on the screen when the machine comes out of standby.
  3) Removed the limitiation of only having 1 Wifi firewall dialog box active, when users
  try to connect to the machine with a smartphone to commission the machine.

[1.0.33] 06/05/2021

Added

- FID#3331

  1) Added busy text to GUI while wifi is scanning for networks. (NLS_SCANNING_WIFI)
  Added info dialog to GUI when manual wifi settings are stored in flash of wifi module. (NLS_WIFI_STORED)

  2) Added primary DNS1 and secondary DNS2 ip address readout to JSON file sent by smartphone app.
  DNS1 can be marked by "ns1" or "dn1" and DNS2 can be marked by "ns2" or "dn2".
  For example:
  { "name": "ns1", "value": "8.8.8.8" },
  { "name": "ns2", "value": "8.8.4.4" }
  Sets primary DNS1 ip address to "8.8.8.8" of Google DNS and secondary DNS2 also to a Google DNS.

  When no DNS data was entered, but a static IP address was selected:
  Default primary DNS1 = Cisco OpenDNS ip address:208.67.222.222
  Default secondary DNS2 = Cisco OpenDNS ip address:208.67.220.220

[1.0.32] 23/04/2021

Added

- FID#3204 Added manual wifi configuration which can be accessed by pressing the wifi status icon on the top status bar. When a manager PINcode is set other than "0000" the GUI will ask for that manager PINcode before showing the wifi configuration screen.

  The wifi configuration screen will show a hourglass during the scan for available network SSIDs.

  After the scan the user can select one of the detected network SSIDs or enter a custom SSID. User can cancel wifi configuration at any time by pressing the red 'X' button.

  When pressing the green checkmark button, the user will be prompted to enter the wifi password.

  During the 5 minutes after a new manual wifi configuration the machine can show one of these 2 message
  on screen if it could not connect to the selected wifi access-point:

  1) `Can't connect to wifi access point` : when the wifi can't find the given SSID named network.
  2) `Can't log into wifi access point` : when wifi password is invalid or another reason it could not log in.

  Onscreen keyboard has been improved to include more of the symbols also found on a smartphone keyboards.

Fixed

- DID#13921 fix for double clicking when saving USB recipes via StoryBoard GUI.

[1.0.31] 20/04/2021

Fixed

- DID#13883 fixed the "first-use" wizzard not showing after doing a "Commission reset" in the service menu,
  which was caused by the new serialnumber format.

[1.0.30] 06/04/2021

Fixed

- The nofication step in a recipe finished with a short `recipe-step` audio signal, it is now changed to the continuous `product-finished` audio signal.

Added

- Added `Smart Temperature` parameter in service menu, which can be turned on/off.
  When this parameter is turned on all temperatures measured above 150[C] will be modified ,
  by doubling the difference above 150[C].
  For example the following temperature conversion occurs:
  MEASURED TEMPERATURE -> INTERNALLY USED TEMPERATURE
  150[C] -> 150[C]
  160[C] -> 170[C]
  170[C] -> 190[C]
  180[C] -> 210[C]
  190[C] -> 230[C]
- Added `Customer ID` parameter, which can be set from 0 to 9.
  This parameter corresponds with the `\help\0\..` upto `\help\9\..` folder on the machine which contain customer specific help pages.
  `Customer ID` value 1 and folder `\help\1\..` is now reserved for the Walmart specific help pages,
  all other values contain the default help pages.

[1.0.29_Walmart] 24/03/2021

Added

- Identical to v1.0.28 below, with the addition of the Storyboard help files specific for the Walmart customer.

[1.0.28] - 24/03/2021

Added

- FID#2928 Notification step now possible in a recipes.
- FID#2962 / DID#11599: Lime filter slider changed to numeric input (manager menu)
- Wifi icon with smartphone now only appears when webserver on the S-controller is available and not sooner.
- Extra wifi icon for `active data traffic with cloud` with 2 arrows.
  When this icon is showns there was MQTT communication with the cloud in the last 61 seconds.
- Added a Wifi RSSI menu item, which shows `--` in case there is no RSSI value,
  or the RSSI level ranging from `-101dB` (bad) to `-1dB` (excellent).

- When serial number is changed force an automatic resync of recipes.
  (Previously this needed to be triggered and required a reset.)
  Once development is over serial numbers should never change in the field.

Changed

- New translations/term for wifi menu items in service menu as requested by Robert.
- Now starts WGM110m wifi module in 802.11g mode when using Acces-point mode.
- Allows simultaneous configuration requests on wifi stack.
- Improved handling of wifi `connection permission` dialog:
  when a connection is made to the oven a popup appears.
  This popup will not reappear if the same phone (based on mac address) disconnects and reconnects

  1) unless the oven is restarted, or configuration mode is restarted
  2) a different phone is connected in between
- Wifi access Permission boxes could stack up, if the oven was ignored and multiple connect/disconnect events occurred.
  Now at most 2 will be shown. The one that was ignored, followed by the current/last connection request.