

Overview of all Software Versions

Automatic^{Salt} / Automatic^{Cl-pH} / Automatic^{pH}

(Devices from serial numbers 22ASE2-xxxxxx, 22ACL2-xxxxxx, 22APH2-xxxxxx)



Valid for

Automatic^{Salt}
Automatic^{Cl-pH}
Automatic^{pH}

1 Overview of all Automatic devices software releases up till version v2.10

This document applies to devices with following serial numbers:

22ASE2-xxxxx

22ACL2-xxxxx

22APH2-xxxxx

Advice: The current installed software version on an Automatic controller can be displayed by pressing “Menu” – “Service Menu” – “Software Update”

Version	Release Date	
v2.10 (240812)	12.08.24	Solved issues
		<ul style="list-style-type: none"> • Support of WiFi passwords with up to 63 characters. This is the maximum allowed in the WPA specification. • In previous software versions, you could enter only 10 digits for IP addresses in case of a manual IP configuration (DHCP OFF), which usually is not sufficient. This has been fixed. • In previous software versions, it could happen that an instable Control Module connection was displayed, when the Automatic device tried to reconnect to the customer WiFi network. This has been fixed.
		Other improvements
		<ul style="list-style-type: none"> • In previous software versions, the WiFi connection process was stopped in case of some specific error situations. To make the connection process more robust, it will never be stopped in the new software release. • The robustness of the storage of system data (e.g. device serial number and hardware revision) has been improved to prevent potential loss of this data.

Version	Release Date	
v2.04 (240711)	11.07.24	Improvements
		<ul style="list-style-type: none"> • A function to re-enter the device serial number has been added in Service menu > Special functions. This allows to “repair” devices, which have lost their serial number due to an error.

Version	Release Date	
v2.03 (240618)	18.06.24	Solved issues
		<ul style="list-style-type: none"> In the previous software versions v2.00, v2.01 and v2.02, WiFi connections failed, when the SSID name and/or the password contained one (or more) of the following characters: , " \ <p>This has been fixed.</p>

Version	Release Date	
v2.02 (240603)	03.06.24	Improvements
		<ul style="list-style-type: none"> Added some control mechanisms to detect and automatically repair potential communication issues (for Web portal communication and communication with the smart&easy Control Module)
		Solved issues <ul style="list-style-type: none"> Solved an issue with production end test (concerns Automatic pH devices only, not relevant for end users)

Version	Release Date	
v2.01 (240322)	22.03.24	Improvements
		<ul style="list-style-type: none"> Time controlled operating mode for switching functions is now called "Auto" for all languages (instead of Clock / Zeit / Horloge / Temporiz. / Ora) Corrected some illegal characters in the Italian translation Improved control of the outputs in case of short losses of connection. <ul style="list-style-type: none"> Outputs will switch OFF only after a loss of connection for at least 10s. Short losses of connection will have no effect and the outputs will stay in their current state.

Version	Release Date	
v2.00 (240319)	19.03.24	New Features
		<ul style="list-style-type: none"> Support for the smart&easy Control module and switching functions

Version	Release Date	
v1.70 (240228)	28.02.24	Solved issues
		<ul style="list-style-type: none">Automatic^{SALT} only: In software versions v1.60 and v1.65 there was a mistake in the calculation of the display value of the salt level (g/l). The displayed value could be too high (but still within the tolerance accepted during end test, which is max. 4,0g/l at a level of 3,5g/l). v1.70 solves this issue and makes sure that the displayed salt level is correct. If the user has already calibrated the displayed salt value in v1.60 or v1.65, the new version v1.70 makes sure that the calibrated value will remain unchanged after the software update. If the user has not yet calibrated the salt level in v1.60 or v1.65, the display will be correct after the update. In most cases, it will be a little bit lower than before.

Version	Release Date	
v1.65 (231210)	10.12.23	New Features
		<ul style="list-style-type: none">Support of pumps 6l/h (in addition to the existing pumps 3l/h)

Version	Release Date	
v1.60 (230906)	06.09.23	Improvements
		<ul style="list-style-type: none"> The device IP configuration (IP address etc.) is now displayed correctly in the WiFi menu When "Initiate new registration of the controller" is ticked in the Web portal, the device now does the new registration automatically. In previous software versions, it was necessary to start the new registration manually. Adjusted the limit for the gas alarm a little bit to make sure that the gas alarm gets active even if there is some water with high levels of salt remaining between the titanium pins. <ul style="list-style-type: none"> The limits for the gas alarm are now also displayed in the factory menu > factory settings together with the current voltage reading of the conductivity measurement, which is used for the gas alarm detection Added a supervision mechanism for the long-term timers for boost mode and paused mode. While these modes are active, the new mechanism continuously checks that the timers are running as expected and restarts them if necessary. Added ":" to the keyboard for password input (press shift => "." changes to ":")
		Solved issues
		<ul style="list-style-type: none"> Workaround to get the ESP32 WiFi module out of a blocked state, which occurred in some situations and resulted in Web portal connection problems and "MQTT connection failed" status messages

Version	Release Date	
v1.53 (230524)	24.05.23	Improvements
		<ul style="list-style-type: none"> Some corrections in the menu text
		Solved issues
		<ul style="list-style-type: none"> Solves an issue with a failing Web portal device registration in the previous version v1.52 (message „MQTT connection failed“ is displayed on the device)

Version	Release Date	
v1.52 (230508)	08.05.23	Improvements
		<ul style="list-style-type: none"> When you switch automatic control for pH, SE or redox OFF, a confirmation popup appears. In previous software versions, when you did not use the "Confirm" or "Cancel" buttons, but closed the popup with "x" in the left top, automatic control was switched OFF, although this has not been confirmed by the user. In the new software version v1.52, automatic control now remains active in this situation
		Solved issues
		<ul style="list-style-type: none"> Fixed the following issue from the software versions v1.50 and v1.51: When we were in the summer time period, and the device is switched off and on again, the clock time was every time set back by one hour at power on. This resulted in a wrong system clock time in the display and for the event log entries.

Version	Release Date	
v1.51 (230331)	31.03.23	Improvements
		<ul style="list-style-type: none"> Improvements in the Italian translations.

Version	Release Date	
v1.50 (230330)	30.03.23	New Features
		<ul style="list-style-type: none"> New language Italian
		Improvements
		<ul style="list-style-type: none"> Automatic SALT only: Changed standard setting for reaction in case of a redox monitoring error from "stop production" to "continue production". For safety reasons, a warning advice is shown, if the customer continues with the new standard setting "continue production". The data in the WiFi list sent from the WiFi module has been reduced in order to prevent buffer overflows, if the WiFi list is extremely long. Now even WiFi lists with 50-60 networks should not cause any issues. Extensive optimisation of web portal communication. The goal was to further reduce the amount of data sent to the web portal and thus the load on the web portal server. This is important to ensure that the web portal is not overloaded in the future when thousands more devices are online.
		Solved issues
		<ul style="list-style-type: none"> RTC module (real-time clock) and summer/winter time changeover revised and tested. In previous software versions there were sometimes errors with the automatic changeover to winter time. These have been fixed.

Version	Release Date	
v1.40 (220715)	15.07.22	Solved issues
		<ul style="list-style-type: none"> In the previous software versions till v1.30, WiFi connections failed, when the SSID name and/or the password contained one (or more) of the following characters: , " \ This has been fixed.

Version	Release Date	
v1.30 (220520)	20.05.22	Improvements
		<ul style="list-style-type: none"> Automatic SALT only: There was no warning message (popup), when the parameter „Approximation for redox monitoring“ was set to zero. A warning message will now be shown in this situation.
		Solved issues
		<ul style="list-style-type: none"> Automatic SALT only: The Boost mode could not be started with a duration of 72 hours. There was a bug in the conversion of the 72 hours setting to minutes. This has been fixed.

Version	Release Date	
v1.20 (220426)	26.04.22	Improvements
		<ul style="list-style-type: none"> Maximum duration of the salt electrolysis test production cycle limited to 60s (previously 3.600s) Constant mode only: No stopping of time-limited production at high redox values

Version	Release Date	
v1.10 (220420)	20.04.22	Improvements
		<ul style="list-style-type: none"> Improved reliability of ESP32 software update

Version	Release Date	
v1.00 (220413)	13.04.22	Initial version