



Release Notes

AutoPilot® software version 2.10.65

Scope

This document describes the changes in AutoPilot software from version 2.10.34 to version 2.10.65.

Changes from version 2.10.64 to version 2.10.65

New Features and Enhancements

A new LED button with 2 lines of centered text is now available for use in Custom Views:

A new graphical control, "LED Button (2 Lines Centered)" can now be added to AutoPilot Custom Views using the Custom View Editor.

Resolved Issues

Custom View charts now interrupt data recording when associated Plus-X channels are offline:

An offline condition for a Plus-X meter or status channel assigned to a Custom View chart is now represented as a break in the displayed chart line during the time the Plus-X channel is offline.

AutoPilot now has faster detection time for loss of communication with ARC Solo systems:

AutoPilot now responds more quickly to loss of communication with a connected ARC Solo system, with offline status indicated through a dimming of displayed data for associated channels in AutoPilot Custom Views and default views.

The configuration screen for logging GSC3000 sites now operates properly:

The "Configure Logging.." function selected by right-clicking a GSC3000 site in the AutoPilot Resources or Navigator pane now operates properly, enabling configuration of logging interval and next log time.

Changes from version 2.10.63 to version 2.10.64

New Features and Enhancements

Jet Active Flowcharts now reference ARC Plus email templates by name:

When an ARC Plus email template is specified within a Jet Flowchart action, the template is now identified in the flowchart by its assigned name rather than by its number.

AutoPilot email "from" address now includes the site name:

The "from" address for email notifications from AutoPilot now includes the site name to which the message applies. For example, an email reporting a condition at a site named "localsite" would have a "from" email address of "localsite via AutoPilot".

Resolved Issues

Custom Views for GSC 3000 sites now display decimal points:

Values displayed in AutoPilot Custom Views for GSC3000 channels now display the correct number of decimal places as specified by the user via the Custom View Editor.

The tooltip for a site now displays “Logging Disabled” if logging is globally disabled in AutoPilot:

If logging is enabled at the site level but globally disabled in the AutoPilot Tools menu, the hover-help tooltip for the site now displays the message “Logging Disabled”.

The AutoPilot email “from” address now displays correctly in email web clients:

The AutoPilot email “from” address now includes only ASCII characters ensuring that it will display correctly in email web clients.

The Jet Active Flowcharts action “Speak Phrase” now operates correctly:

The “Speak Phrase” action now correctly assigns phrases to the ARC Plus and ARC Solo Jet Flowcharts.

The Jet Active Flowcharts action “Set Limit” now operates correctly for ARC Solo systems:

The “Set Limit” action now correctly assigns the limits to the channel in an ARC Solo Jet Active Flowchart.

Changes from version 2.10.61 to version 2.10.63

New Features and Enhancements

Jet™ Active Flowcharts can now open AutoPilot Custom Views:

Jet Active Flowcharts set to run in AutoPilot can now open one or more AutoPilot Custom Views. Custom views can be opened in specific locations and sizes on the primary monitor and/or on auxiliary monitors.

The AutoPilot alarm log now displays OID Names for received SNMP Traps:

When AutoPilot receives a Trap message from a system in its Network Devices list it now searches all currently loaded MIB files to locate the OID name for the received Trap. If found, the OID name is displayed in the message field of the AutoPilot alarm log.

Resolved Issues

AutoPilot Virtual Channel edits now take effect immediately when the Virtual Channel Editor is closed:

Changes made to AutoPilot Virtual Channel formulas now take effect as soon as the Virtual Channel editor is closed, without requiring a restart of the AutoPilot program.

The AutoPilot Virtual Channel taskbar now identifies Virtual Channels for which source systems are offline:

If an AutoPilot Virtual Channel relies on input values from a site that is currently offline, the message “One or more sites not connected” is displayed in the value field for the affected channel in the Virtual Channel taskbar.

Jet Active Flowcharts now properly initiate and close connections to ARC Plus systems configured for modem communications:

A Jet Active Flowchart that needs to communicate with a currently disconnected ARC Plus system which is configured for modem communication will now initiate the modem connection, complete the necessary communication, then close the connection.

Changes from version 2.10.57 to version 2.10.61

New Features and Enhancements

AutoPilot now supports Captures on Version 5 ARC Plus Touch and SL:

The Captures feature, available on ARC Plus Touch and SL units with firmware 5.0.8.1 or newer, stores months of channel values and alarm states on the ARC Plus. Captures can be downloaded online to your PC anywhere, anytime using AutoPilot version 2.10.61 or higher. Flexible reporting options in AutoPilot allow trend analysis over long periods of time and pre-fault analysis over intervals of interest. The ARC Plus can be configured to capture a specific range of channel values at a programmable interval. Captures include timestamp, site, channel number, meter values, status values and associated alarm states. The Captures feature is included with ARC Plus Touch and SL units manufactured in January 2017 or later and is available as an optional upgrade for existing V5 ARC Plus Touch and SL units. You can create a download schedule on any AutoPilot system to automatically retrieve the captures. Captures and logs are stored in the same AutoPilot onboard database and are displayed in the Logged Data View.

Resolved Issues

AutoPilot now operates correctly on Windows 10 computers configured for languages other than English:

AutoPilot running on a Windows 10 computer configured for a non-English language can now connect to ARC Plus, ARC Solo, GSC3000 and ARC-16 units and correctly log data and run reports. The AutoPilot user interface is displayed in English language regardless of the Windows language setting.

Changes from version 2.10.55 to version 2.10.57

Resolved Issues

AutoPilot now operates correctly on Windows 10 computers configured for languages other than English:

AutoPilot running on a Windows 10 computer configured for a non-English language can now connect to ARC Plus, ARC Solo, GSC3000 and ARC-16 units and correctly log data and run reports. The AutoPilot user interface is displayed in English language regardless of the Windows language setting.

Changes from version 2.10.50 to version 2.10.55

New Features and Enhancements

Unused channels are now excluded from the graphical default view:

The graphical default view for an ARC Plus site in AutoPilot now includes only channels that have been selected for use. Unused channels are not displayed.

Labels for individual lines on custom view strip charts can now be edited:

A strip chart in an AutoPilot custom view includes a label for each chart line based on the label of the corresponding input channel. This label can now be edited using the custom view editor, allowing the displayed label for each chart line to be different from the underlying channel label.

Custom view strip charts can now display status channel data:

An individual line in a custom view strip chart can now be configured to display the state of a selected status channel. Formerly only meter channels could be associated with custom view strip charts.

A text label can now be added to a custom view text meter:

It is now possible to enter a text label for display along with the channel data in a custom view text (digital) meter.

Resolved Issues

The AutoPilot installer now launches smoothly on Windows 10 computers:

The AutoPilot installer now launches and executes without interruption on Windows 10 computers.

Emailed reports are now generated on Windows 10 computers:

Scheduled pdf reports are now generated and emailed correctly on Windows 10 computers.

Communications processing now enhanced for improved data logging efficiency:

IP communications processing is now optimized for efficient handling of data during peak logging periods.

Changes from version 2.10.44 to version 2.10.50

New Features and Enhancements

Fast, efficient Warp Engine™ Polling of ARC Plus and ARC Solo sites is now a standard feature of AutoPilot:

Warp Engine polling enables fast, bandwidth efficient, real-time monitoring of hundreds of ARC Plus or ARC Solo sites at a rate of 100 sites per second, with each site reporting as many as 32 status and/or meter values. Warp Engine polling is highly efficient, requiring less than 400 bytes per second of IP capacity for each monitored site. If communications bandwidth is at a premium cost, it can be further reduced by selection of a slower polling rate. Warp Engine polling requires Version 5 ARC Plus Touch or SL with firmware 5.0.35 or higher, or ARC Solo with firmware 1.0.29 or higher.

The new AutoPilot Navigator enables flexible drag-and-drop creation of custom network hierarchies:

AutoPilot's new Navigator lets you organize sites, custom views and reports into customized hierarchical structures, allowing you to view your data in ways that are most meaningful to you. For example, you could group all stations managed by a certain engineer together or put all AM stations in one group, all FM stations in a second group and all TV stations in a third group. Or you could create regional groups for east coast, central and west coast, with subgroupings by market. Multiple copies of sites, custom views and reports can be displayed in the Navigator, giving you complete flexibility in displaying your assets.

New Summary Site Status and Summary Group Status Controls are now available for use in AutoPilot custom views:

The Summary Site Status and Summary Group Status controls make it possible to display a summary of alarm conditions for a single site, or for a group of sites in an AutoPilot custom view using a single graphical element. The new display elements use a grid of red, yellow, green and grey indicators to provide a quick visual indication of overall site or group conditions.

Changes from version 2.10.41 to version 2.10.44

Resolved Issues

AutoPilot now separately identifies the logged and reported data from each connected ARC Solo system:

ARC Solo data logged and reported in AutoPilot are now associated with the correct ARC Solo site names.

Weather maps for Hawaii and Alaska now link to the correct National Weather Service URLs:

When adding a weather map for Hawaii or Alaska to an AutoPilot custom view, the correct URL is inserted by the AutoPilot custom view editor.

The weather map interface on AutoPilot now complies with the updated National Weather Service data

format: The AutoPilot weather map interface now implements the modified HTTP header format adopted by the National Weather Service, enabling proper weather map display.

Changes from version 2.10.34 to version 2.10.41

New Features and Enhancements

Modem operation has been enhanced, adding automatic re-initialization:

AutoPilot now initializes the attached modem every time the modem's Data Set Ready (DSR) line transitions from "off" to "on". This ensures that the modem is restored to the proper operating state after any external event such as a modem power cycle.

Direct link now provided to AutoPilot on-line User Guide:

AutoPilot software now includes a direct hyperlink to the on-line User Guide, providing access to the most current user documentation.

Resolved Issues

Custom View assignments to ARC Solo sites are now properly restored on program startup:

A Custom View can be configured as the default view for any site in the AutoPilot navigation pane. On program startup, these Custom View associations are now properly reestablished for all sites, including ARC Solo sites.

Secure Socket layer (SSL) communications have been enhanced between AutoPilot and ARC Solo:

Commands issued from AutoPilot to a connected ARC Solo System over a Secure Socket layer (SSL) connection, typically utilizing port 443, now execute properly.

Network devices now bind correctly to Custom View controls:

A selected network device can now be associated with an AutoPilot Custom View graphical element without conflicting with other connected network devices.

AutoPilot logging now makes use of modem backup:

When the primary connection to an ARC Plus or ARC Solo system fails, AutoPilot will now use the configured backup connection method to take a log.

Error handling for Custom View operation in Windows 10 has been enhanced:

AutoPilot interaction with Windows 10 error handling mechanisms has been enhanced, ensuring smooth operation with large and/or complex Custom Views.