

Allied – ARCO/Helix PIC and Helix/Dispenser ANDI Systems - Release Notes

Allied Versions: RxH0100S or Newer
Report Date: April 19, 2007
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ARCO Helix PIC Systems

Version(s)	Status	Release Notes
RHH0100S	Released 07/07/2004	<ol style="list-style-type: none"> 1. Initial system that operates via an SSC main board internal to the PIC.
RHH0101S	Released 10/29/2004	<ol style="list-style-type: none"> 1. Fixed issue where a looping condition would cause the PIC's display to get "stuck." 2. If this new version of RHH detects an old version of the display and one presses the "Display Settings" soft-key, the PIC will now display the message "Backlight and Contrast controls not supported by this display."
RHH0102S	Never Released to Production	<ol style="list-style-type: none"> 1. Added support for the Panasonic model ZU-1870 card reader. <p>The Helix PIC now supports both the MagTek and Panasonic card readers. It will automatically detect the type of reader connected and switch to use the appropriate interface protocol.</p> <p>The PIC now shows the card reader manufacturer and version info on the "Card Reader Test" screen.</p> <p>After pressing the SSC 3 key (show channel 3 status) the SSC display will show <i>CRD-M</i> when a MagTek card reader is detected, <i>CRD-P</i> when a Panasonic card reader is detected and just <i>CRD</i> when no determination has been made (no reader connected). The same function is available for the B side of the PIC (press SSC key B to show channel 11 status).</p> 2. Added support to show the Amulet display version information on the "Display Settings" screen (version number of Paul's display code). 3. Improved handling of the condition where the PIC detects the condition of the Amulet display going offline and coming back online. Formerly one sometimes would have to press a PIC key to get the display refreshed, now all display data is being resent to the display after it comes back online.

Version(s)	Status	Release Notes
RHH0103S	Released 09/09/2005	1. Added support for Master Key/Session Key support. This system also supports DUKPT encryption.
RHH0105S	Never Released to Production	1. Added a prompt at the HELIX to advise the user to select a cash transaction or use another PIC when the card reader has been blocked for a period of time. 2. Corrected a bug in the HELIX print test code that allowed an error condition to occur.
RHH0106S	Internal QA	1. Added new configuration batch files. 2. Added a new Helix file structure.

ARCO Helix PIC/Wayne Systems

Version(s)	Status	Release Notes
RWH0100S	Released 07/07/2004	1. Initial system for Wayne dispensers and the Helix PIC. 2. Added support for Transaction Fee prompting at the dispenser (DPT). This was formerly only supported at the PIC.
RWH0101S	Released 11/15/2004	1. Changed logic to beep once if the MSM goes offline. 2. MSM Menu: Added MSM/DSM Revision Number and MSM/DSM Revision Date to display options. 3. Added support for DSM (translate Wayne DUKPT to ARCO DUKPT). 4. Replaced "Card Read Error Try Again" when a customer first dips a card with "Remove Card Quickly."
RWH0111S	Released 05/19/2005	1. Changed logic to first load all coupon data and receipt data, and then issue a print command in order to prevent the delay between printing the receipt and the coupon. 2. Addressed some field beta issues with the "Insight Coupon" functionality and "cleaned up" internal code. 3. Fixed "card take over" scenario at the CAT. 4. Fixed issue where discounts given by <i>Discount Rule 1</i> and <i>Discount Rule 2</i> print on the DPT receipt but not on the PIC receipt. 5. Fixed issue where a preset sale authorized with <i>Discount Rule 2</i> would not permit the dispenser to fuel the maximum allowed amount. 6. Added support for the PIC to support Discount Rules when authorizing the dispenser. 7. Fixed cash acceptor warm start issue.
RWH0120S	Released 06/25/2006	1. Per request of FMI, all sales receipts and cash reports at the Helix PIC are 1 inch longer. 2. Once a dispenser goes to the "fueling" status, old receipts for that fueling point are deleted.

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RWH0120S (cont.)	Released 06/25/2006	<ol style="list-style-type: none"> 3. Per Rick Valles, changed the minimum timer values for <i>Timer Await Remove Nozzle</i> and <i>Timer Await Begin Fueling</i> from 30 to 60 seconds. 4. Fixed problem with the “Transaction Fee” prompt not working for CRIND keyboards that have one physical key for both the ENTER key and the YES key. 5. Fixed PIN retry problem. 6. Logic was improved to ensure the Helix PIC has an up-to-date Master Key when it is operating in “Master Key/Session Key” mode. 7. The Log Event messages related to Helix PIC events were changed to more closely resemble the exact text, <i>event nature</i> and <i>event destination</i> as used in the Schlumberger PIC system. 8. Fixed issue with DSM logic which was broken when NeXGen compile error was fixed.
RWH0121S	Internal QA	<ol style="list-style-type: none"> 1. Added Completion Code 0x27 (‘ ’) to the DPT R message to prompt the user to accept or decline a transaction charge before sending the card data to the host. Be sure to include the ‘s’ parameter in the response with the proper transaction amount. 2. Added a prompt at the HELIX to advise the user to select a cash transaction or use another PIC when the card reader has been blocked for a period of time. 3. Added prompting for the user to wait at the HELIX for a receipt if the DPT has not completed compiling the transaction data. After a period of time, the user will be prompted to go inside for the receipt. 4. Fixed issue where a DPT C message would not be returned after the receipt prompt timed out.

ARCO Helix PIC/Wayne Direct Systems

Version(s)	Status	Release Notes
RDH0100S	Released 07/07/2004	<ol style="list-style-type: none"> 1. Initial system for Wayne dispensers (non-PIB) and the Helix PIC. 2. Added support for <i>Transaction Fee</i> prompting at the dispenser (CAT). This was formerly only supported at the PIC.
RDH0101S	Never Released to Production	<ol style="list-style-type: none"> 1. Changed logic to beep once if the MSM goes offline. 2. MSM Menu: Added MSM/DSM Revision Number and MSM/DSM Revision Date to display options. 3. Added support for DSM (translate Wayne DUKPT to ARCO DUKPT). 4. Replaced “Card Read Error Try Again” when a customer first dips a card with “Remove Card Quickly.”

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ARCO Helix PIC/Gilbarco Systems

Version(s)	Status	Release Notes
RGH0100S	Released 07/07/2004	<ol style="list-style-type: none"> 1. Initial system for Gilbarco dispensers and the Helix PIC. 2. Added support for <i>Transaction Fee</i> prompting at the dispenser (CRIND). This was formerly only supported at the PIC.
RGH0111S	Released 05/19/2005	<ol style="list-style-type: none"> 1. Changed to have the <i>Transaction Fee</i> handled the same way at the PIC as we do at the CRIND. Both devices will now subtract the <i>Transaction Fee</i> from the <i>Transaction Amount</i> before authorizing the dispenser. 2. Changed logic to report "Cassette Replaced" immediately after the ANDI receives a status from the cash acceptor other than "Cassette Removed." 3. Fixed issue where discounts given by <i>Discount Rule 1</i> and <i>Discount Rule 2</i> print on the DPT receipt but not on the PIC receipt. 4. Fixed issue where a preset sale authorized with <i>Discount Rule 2</i> would not permit the dispenser to fuel the maximum allowed amount. 5. Added support for the PIC to support Discount Rules when authorizing the dispenser. 6. Fixed cash acceptor warm start issue.
RGH0120S	Released 06/19/2006	<ol style="list-style-type: none"> 1. Per request of FMI, all sales receipts and cash reports at the Helix PIC are 1 inch longer. 2. Once a dispenser goes to the "fueling" status, old receipts for that fueling point are deleted. 3. Per Rick Valles, changed the minimum timer values for <i>Timer Await Remove Nozzle</i> and <i>Timer Await Begin Fueling</i> from 30 to 60 seconds. 4. Fixed problem with the "Transaction Fee" prompt not working for CRIND keyboards that have one physical key for both the ENTER key and the YES key. 5. Fixed PIN retry problem. 6. Logic was improved to ensure the Helix PIC has an up-to-date Master Key when it is operating in "Master Key/Session Key" mode. 7. The Log Event messages related to Helix PIC events were changed to more closely resemble the exact text, <i>event nature</i> and <i>event destination</i> as used in the Schlumberger PIC system.
RGH0121S	Internal QA	<ol style="list-style-type: none"> 1. Added <i>Completion Code</i> 0x27 (') to the DPT R message to prompt the user to accept or decline a transaction charge before sending the card data to the host. Be sure to include the 's' parameter in the response with the proper <i>transaction amount</i>. 2. Added a prompt at the HELIX to advise the user to select a cash transaction or use another PIC when the card reader has been

Version(s)	Status	Release Notes
RGH0121S (cont.)	Internal QA	<p>blocked for a period of time.</p> <ol style="list-style-type: none"> <li data-bbox="544 212 1347 338">3. Added prompting for the user to wait at the HELIX for a receipt if the DPT has not completed compiling the transaction data. After a period of time, the user will be prompted to go inside for the receipt. <li data-bbox="544 344 1347 401">4. Fixed issue where a DPT C message would not be returned after the receipt prompt timed out.

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ARCO Helix PIC/Tokheim Systems

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RTH0100S	07/07/2004	<ol style="list-style-type: none"> 1. Initial system for Tokheim dispensers and the Helix PIC. 2. Added support for <i>Transaction Fee</i> prompting at the dispenser (DPT). This was formerly only supported at the PIC.
RTH0111S	Released 05/19/2005	<ol style="list-style-type: none"> 1. Changed logic to first load all coupon data and receipt data, and then issue a print command in order to prevent the delay between printing the receipt and the coupon. 2. Addressed some field beta issues with the "Insight Coupon" functionality and "cleaned up" internal code. 3. Changed to have the <i>Transaction Fee</i> handled the same way at the PIC as we do at the CRIND. Both devices will now subtract the <i>Transaction Fee</i> from the <i>Transaction Amount</i> before authorizing the dispenser. 4. Changed logic to report "Cassette Replaced" immediately after the ANDI receives a status from the cash acceptor other than "Cassette Removed." 5. Fixed issue where discounts given by <i>Discount Rule 1</i> and <i>Discount Rule 2</i> print on the DPT receipt but not on the PIC receipt. 6. Fixed issue where a preset sale authorized with <i>Discount Rule 2</i> would not permit the dispenser to fuel the maximum allowed amount. 7. Added support for the PIC to support Discount Rules when authorizing the dispenser. 8. Fixed cash acceptor warm start issue.
RTH0120S	Released 06/21/2006	<ol style="list-style-type: none"> 1. Per request of FMI, all sales receipts and cash reports at the Helix PIC are 1 inch longer. 2. Once a dispenser goes to the "fueling" status, old receipts for that fueling point are deleted. 3. Per Rick Valles, changed the minimum timer values for <i>Timer Await Remove Nozzle</i> and <i>Timer Await Begin Fueling</i> from 30 to 60 seconds. 4. Fixed problem with the "Transaction Fee" prompt not working for CRIND keyboards that have one physical key for both the ENTER key and the YES key. 5. Fixed PIN retry problem. 6. Logic was improved to ensure the Helix PIC has an up-to-date Master Key when it is operating in "Master Key/Session Key" mode. 7. The Log Event messages related to Helix PIC events were changed to more closely resemble the exact text, <i>event nature</i> and <i>event destination</i> as used in the Schlumberger PIC system. 8. Addresses prepay/preset under run issue.

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ARCO Helix PIC/Schlumberger Systems

Version(s)	Status	Release Notes
RSH0100S	07/07/2004	<ol style="list-style-type: none"> 1. Initial system for Schlumberger dispensers and the Helix PIC. 2. Added support for <i>Transaction Fee</i> prompting at the dispenser (DPT). This was formerly only supported at the PIC.
RSH0111S	Released 05/19/2005	<ol style="list-style-type: none"> 1. Addressed some field beta issues with the "Insight Coupon" functionality and 'cleaned up' internal code. 2. Printing will work in 2 stages: first, the original receipt and then the optional coupon. On the Centurion, this causes about 15 blank lines between the original receipt and the coupon. On the 4000 series, there is a cut between the original receipt and the coupon. 3. Changed to have the <i>Transaction Fee</i> handled the same way at the PIC as we do at the CRIND. Both devices will now subtract the <i>Transaction Fee</i> from the <i>Transaction Amount</i> before authorizing the dispenser. 4. Changed logic to report "Cassette Replaced" immediately after the ANDI receives a status from the cash acceptor other than "Cassette Removed." 5. Fixed issue where discounts given by <i>Discount Rule 1</i> and <i>Discount Rule 2</i> print on the DPT receipt but not on the PIC receipt. 6. Fixed issue where a preset sale authorized with <i>Discount Rule 2</i> would not permit the dispenser to fuel the maximum allowed amount. 7. Added support for the PIC to support Discount Rules when authorizing the dispenser. 8. Fixed cash acceptor warm start issue.