

# What's New in Release 3.0



F R O M C T C

InteractX 3.0 is a new product release that includes many new features and enhancements. This release includes updates to InteractX Designer, InteractX Runtime, Deployment Server and Machine Shop Suite. This update is a chargeable update for all existing users and requires a new license key for Development systems and new licensing for runtime systems. Version 3.0 provides new functionality and updates in the following product areas:

- Historical Trending
- Integration and interoperability with Interact Xpress
- Data transfer
- New Tools and improved functionality on Existing Tools
- Development Environment improvements to expedite project creation
- New functions for String Manipulation
- And more ...

## Historical Trending

**Trend Replay** – InteractX 3.0 adds both a Graphic (Historical Trend) and Log Viewer tool for displaying historical trend data logged in any of our supported database formats. These tools are “unlimited”, with no preset limits on the number of values that can be assigned to a log form or displayed in a runtime trend tool, offering the flexibility to take on your complex trending applications.



**Xpress Integration** – With the release of Version 3.0, InteractX is now ready to take on more complex Supervisory applications. Capable of combining data from multiple heterogeneous sources, InteractX can now be provide SCADA level functionality by logging the data to the database of your choice (Access, SQL Server, Oracle or any ODBC compliant database) and by providing the on screen display and analysis tools you need to manage this historical data.

InteractX fully leverages the Distributed HMI architecture found in our Xpress product by connecting to and displaying both application screens and data from any XPR PowerStation. This capability can reduce the time and effort required to create a SCADA level application by up to 80%. InteractX can also connect to almost any controller and many 3<sup>rd</sup> party HMI's using our existing OPC Compliant Comm Servers.

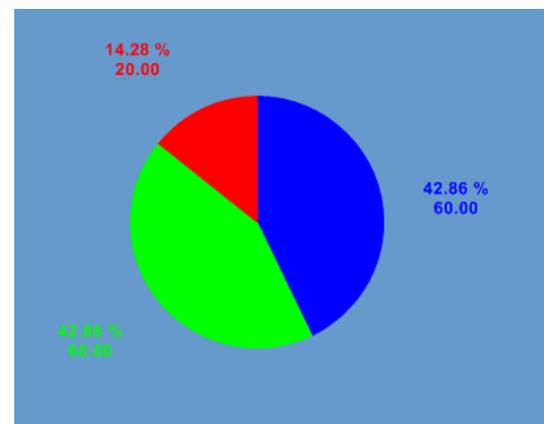


**Data Transfer** – InteractX now supports a “Data Transfer” tab in the tag editor. This interface allows the creation of Data Transfers that are conditional upon an enabling expression evaluating as true. This functionality allows for some simple logic execution and should reduce the need for VBA code in some applications.

| To Data Source | To Address   | From Data Source | From Address     | Enable Expression   |
|----------------|--------------|------------------|------------------|---------------------|
| <Local>        | Message2     | <Local>          | Message1         | Enable_Message_Xfer |
| <Local>        | LED_7        | <Local>          | bit_7            | Enable_Bits_Xfer    |
| <Local>        | LED_5        | <Local>          | bit_5            | Enable_Bits_Xfer    |
| <Local>        | LED_3        | <Local>          | bit_3            | Enable_Bits_Xfer    |
| <Local>        | LED_1        | <Local>          | Bit_1            | Enable_Bits_Xfer    |
| <Local>        | PLC_Position | <Local>          | Encoder_Position | Enable_Encoder_Xfer |
| <Local>        | LED_8        | <Local>          | bit_8            | Enable_Bits_Xfer    |
| <Local>        | LED_6        | <Local>          | bit_6            | Enable_Bits_Xfer    |
| <Local>        | LED_4        | <Local>          | bit_4            | Enable_Bits_Xfer    |
| <Local>        | LED_2        | <Local>          | bit_2            | Enable_Bits_Xfer    |
| <Local>        | Numeric2     | <Local>          | Numeric          | Enable_Numeric_Xfer |

## New Tools and Improved Functionality

**Pie Chart Tool** – Version 3.0 now offers a Pie Char Tool with real-time graphic display capability. This tool supports up to 8 Slices with user defined tag expression and colors for each slice. This can provide quick and easy data display for functions such as comparative output of production lines/cells or yield ratios, etc. Data updates can be triggered by a pre-defined time interval or on data change, allowing the display to update when ever a displayed value changes.



**Recipe Tool** – The Input list tool has been renamed to the Recipe tool to better represent its capabilities (Nested Recipes added in Version 2.51). In addition, page up and page down buttons have been added in order to simplify finding Recipes in applications that have a large Recipe count.

Now Editing List Group: Flavor

| Ingredient               | Value |
|--------------------------|-------|
| Carbonated Water         | 75.00 |
| High Fructose Corn Syrup | 35.00 |
| Caramel Color            | 10.00 |
| Phosphoric Acid          | 5.00  |
| Natural Flavors          | 0.50  |
| Caffeine                 | 0.20  |
| Natural Flavors          | 0.00  |

Buttons: Load, Save, Save As, Clear

**Slide Tool** – The slide tool has been updated to include an option to set a minimum change, making the slide tool easier to implement in applications that require an Integer value or specific increments in input values.

**Remote Toolbin Improvements** – Remote toolbin drawers can now be exported and re-named. These features improve the group workflow capabilities in InteractX. These changes make it easier for development teams to share a common set of tools for a company standard or for a single project.

**Numerous Other Development Improvements** – Version 3.0 supports a wide variety of additional development environment improvements such as improved Interact and CAD imports, Use in Runtime and Startup selections now accessible via a ‘Right Click’ on the Panel in the Application Browser, Alarm file names can now be dynamically created in runtime, improved tooltips on hover and several new and updated toolbin objects.

**New String Manipulation Capabilities** – String handling is now supported with a full range of functions (StrLen(), LeftString(), RightString(), MidString(), TrimLeft(), TrimRight() ). This will allow developers to focus on the project at hand and save VBA for true customizations as string manipulation can now occur in the InteractX’s internal expressions.

\* For a complete list of all updates, please see the release notes on your installation CD, (readme.txt). This file includes additional information on minor updates that are included in this release.

## ***Comm Server and Driver Updates***

**ACR Ethernet** – The ACR Ethernet driver supports the single axis Aries CE Drive/controller and is now installed as part of a standard installation of InteractX.