Vincent's Favorite Utility Drivers

Content

I'm constantly seeking ways to enhance the potency and adaptability of RTI projects. Credit goes to the third-party development effort, which has yielded utility drivers capable of substantially elevating your RTI projects. Here are my top-twenty RTI and third-party utility drivers.

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1. Dynamic Names Language Versions | Drivers Digital

This driver is ideal when taking on projects requiring user interfaces in other languages. The driver provides up to five languages to convert your text fields. Great for international projects or clients with family members that require another language.
Link: Drivers Digital

2. Flag Persistent Storage | Coupe Automation

Is your RTI project prone to power outages? This handy driver will ensure system flags are stored in the RTI processor's persistent memory and survive power outages, service maintenance, and other calamities.
Link: Coupe Automation

3. HTTP(S) Rest | Simple Distribution

This driver is another option to talk to devices if no driver exists and another control type is required. The idea of this driver is the same as 2-way strings, but it works with HTTP and HTTPS with JSON and has more additional options.
Link: RTI Forum

4. Image URL | RTI

Want to see live views of the Northern Lights on your RTI in-wall controller? Look no further than the Image URL driver. The Image URL driver acquires still image URL data from JPEG images. Use it for traffic cams, bridge and tunnel entrances, or even monitor personal images.
Link: RTI Forum

5. Integer Helper | RTI

This handy driver allows drivers with integer-based feedback to be used on another level. There are three options: rescaling, range checking, and creating Boolean variables from an integer. Change your receiver or multiroom audio amplifier volume to match the Alexa 1-10 range for scaling. With range checking, monitor a volume or any integer variable and trigger events based on whether the set minimum or maximum range is exceeded using the range checking feature. Last, if you use my example and convert a range to 0-10, you can use the Boolean feature of the driver to create reversed or visible state feedback for each integer value, creating custom gauges.
Link: RTI Driver Store

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6. Layer Switch | Miantic AV Distribution

The Layer Switch driver is extremely popular with Integration Designer 11 installers and for a good reason. It allows you to manage and display your layers individually or in groups. For example, you can display a layer and hide the others in the group with a single command.
Link: RTI Forum

7. Local Flags | Coupe Automation

Sometimes you want flags to display layers or hidden buttons on an RTI controller, but you don't want them to display on other controllers. The Local flag driver allows you to set, clear, or test 32 local flags and store them in persistent memory.
Link: RTI Forum

8. Logic Helper | RTI

With the Logic Helper driver, you can create a Boolean and determine if it is true or false based on the status of multiple system variables. For example, evaluate several lighting variables and determine whether the "Main Floor Lights On" variable is true or false. You can also monitor variables based on logical operators (And, Or, Nand, Nor) for increased logic, making Integration Designer even more powerful.
Link: RTI Driver Store

9. One Touch Button | My Device

The One Touch Button driver expands the functionality of a button press on RTI controllers. Events can be set when a button is pushed or toggled. Assign On and Off buttons and issue events based on the state. Long pushes, short pushes, and long releases are also available and come in handy on phones and tablets. Text can be applied with any value specified to a button as well.
Link: My Device

10. Password | Icon Connect LTD

Want to password-protect your controller user interfaces? Look no further than the password driver. You can create multiple logins and user accounts if your user interface requires different permissions, particularly in a commercial environment. Using it in a simple form, you can generate events when a password is incorrect or correct or if the maximum number of attempts has been reached.
Link: RTI Forum

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11. Recalc | Coupe Automation

Recalc is an incredibly handy tool designed to calculate values based on strings or integers available in a driver. You can create conversion expressions with various mathematical functions such as sin, cos, tan, log, min, max, and many others! You can use it to recalculate volume to match a range or to show the remaining song time by subtracting the elapsed time from the song duration variables.
Link: Coupe Automation

12. Schedule Manager | My Device

With the schedule manager driver, you can create a user interface for your client to help them automate several home functions. With the scheduler user interface, they can set schedules for the sprinkler, coffee maker, lights, climate, or anything they want. Schedules can be made daily, weekly, weekends only, random, and other selections. Best of all, the client can control their events!
Link: My Device

13. Sleep Timer (Countdown) | Simple Distribution

Use the countdown driver to create a sleep timer - on steroids. Set pre-determined timer values and trigger events based on the expiration. Ideal for shutting down the room or home functions after a certain number of minutes have passed. Another great driver for the end-user.
Link: RTI Forum

14. Source Proxy | Clever AV Solutions

APEX Source Proxy is a powerful driver that will increase your productivity and available features in Integration Designer 11. This driver can track selected sources, making programming much easier for RTI installers while providing more intelligent interfaces for the end user.
Link: Clever AV

15. System Variables | RTI

The System Variables driver provides variables that can be used throughout the system to display data. Variables can also be tested using the result system variables. To test the value of an integer or string, use the 'Test' driver command. The test result will be stored in the 'Results' Boolean variable. This driver is particularly useful when using a single button for multiple functions and controlling the text in the interface based on that button press.
Link: RTI Forum

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16. System Variables Events | RTI

This driver provides events that interface with external system variables. For example, the driver can track the current outside temperature variable and run a macro when the temperature goes below 32 degrees. The driver provides tracking of 5 integers and 4 Booleans. The driver also provides Boolean system variables for each event representing the current test status. When used with the system variable driver, it can trigger an event if an integer matches a certain value.
Link: RTI Forum

17. Toggle Virtual Sources | RTI

This utility allows the programmer to designate events and variables based on system conditions, up to 24 items, in 24 separate groups. For example, this is the perfect driver to scroll through all your Sonos favorites or DirecTV favorite channels on a single button. Great for RTI keypads with limited buttons.
Link: RTI Forum

18. Two-Way Strings | RTI

Do you need to control a device via IP, UDP, or serial, but no driver is available? Use the two-way string feedback to send commands and even receive feedback. Once a command string is created using the third-party protocol, you can drag driver commands into your interface in Integration Designer software. Different types of feedback are supported as well.
Link: RTI Driver Store

19. Virtual Selector | Coupe Automation

This handy driver can set text variables, append to them, and Backspace (take the last character off) from them. There are twenty Text variables and no events. Twenty flags change dynamically based on a current selection. You can set the initial value of all variables in the configuration for when the XP processor is reset. When a variable is set, the rest are cleared, providing multiple case uses for projects requiring button tracking.
Link: Coupe Automation

20. Virtual Matrix Selector | Coupe Automation

Virtual Matrix Selector is an incredibly refined and powerful driver developed for Integration Designer 9 and used in large venues with multiple displays and sources. Simply put, the VMS driver can allow the end user to make multiple selections (zone and sources) and will track both and execute the designated system macro based on the selection. There are many other features, and Integration Designer 9 dealers can use this to cut programming time down significantly on multizone projects.
Link: Coupe Automation

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