



# FDDWorX – Commanding



## APPLICATION NOTE

September 2013

**Description:** Using Commanding in FDDWorX applications for advanced interactions.

**OS Requirement:** Windows 8 x64 (Professional or Enterprise Edition), Windows 7 x64 (Professional or Enterprise Edition), Windows Server 2012 x64, Windows Server 2008 R2 x64, Windows Vista x64 SP2 (Business, Ultimate, or Enterprise Edition), Windows Server 2008 x64

**General Requirement:** Knowledge of FDDWorX and Commanding.

### Introduction:

FDDWorX is a predictive building automation solution that uses an advanced Fault Detection and Diagnostics Engine. It incorporates algorithms that weigh the probability of faults and advises management, operators and maintenance personnel of actions to prevent equipment failures or the excessive use of energy. Commanding provides a simple way to monitor your asset structures with minimum development effort.

This application note will explain how we can combine FDDWorX and Commanding.

ICONICS recommends reading application notes on Commanding and FDDWorX prior to following this application note.

### Available Commands:

Commanding allows you to control your FDDWorX Viewer either from AssetWorX Navigator or GraphWorX64 display. Configuration and the use of commanding is described in other application notes such as *Commanding – Configuration and Runtime*. Here are the variety of commands that you can send to FDDWorX Viewer control and what each one does:

**NOTE:** Only few of the commands listed in this application note are limited to FDDWorX. The majority of them can be also used in conjunction with other controls or objects. Due to their generic nature, some options are not available for interaction with the FDDWorX Viewer. The list shows in bold which part of the Viewer can be addressed by commands. For instance, the Navigate command does not affect the complete viewer control nor its chart, but only its **grid**.

- **Load Facility Data** – loads configuration data into a target **viewer**

- **Navigate** – allows you to navigate along pages of the target viewer's **grid**
- **Save Configuration** – saves the current configuration of the **viewer**
- **Select Asset** – specifies for which asset you want to show data in your **viewer**
- **Select Element** – selects a specific **row** of your grid
- **Set Time Range** – specifies the start and end time for which the **viewer** should show data
- **Set Visibility** – toggles visibility of a specific column in the **grid**
- **Export Image** – is limited to non-Silverlight hosts of FDDWorX Viewer such as non-Silverlight GraphWorX64 displays. It allows you to save an image of your **chart** in bmp, png or xps file format. It ignores scale parameters.