

Description: Guide to using the AssetWorX Navigator with MobileHMI

OS Requirement: Windows Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64

General Requirement: MobileHMI v10.7, or GENESIS64 v10.7 and Analytix v10.7

Introduction

With ICONICS MobileHMI, you can now leverage the AssetWorX to organize your application in a logical structure that can be interacted with through a Windows Phone. Some of the additional commands in the AssetWorX Navigator created specifically for MobileHMI include:

- Phone Call
- Send SMS
- Send Email

So in addition to being able to load a GraphWorX64 Windows Phone 7 Display on your Windows Phone 7 directly from an asset in the Asset Catalog, you have the ability to initiate a phone call directly from an asset.

In this Application Note we will take a look at an example of loading a GraphWorX64 Display as well as making a phone call from an asset on your Windows Phone. This will be based on the sample AssetWorX configuration database provided on a new installation.

GraphWorX64 Windows Phone Display

We will first create a simple GraphWorX64 Windows Phone Display that we can later associate with one of the sample assets.

1. Open GraphWorX64 and save the new display as **Windows Phone Display (*.gdfxp)** such as “North.gdfxp”
2. Add a label to the top of the display with a text of “**North Bakery Production**”
3. Add a process point to the bottom of the display using a local simulation tag of Ramp such as **localsim:ramp**
4. Add any additional objects and dynamics you wish to help indicate a Key Performance Indicator (KPI) for production of the bakery
5. Save and publish this display using the **Publish Phone Display** option under the Phone → Publishing ribbon

For more information on creating GraphWorX64 Windows Phone Displays, please refer to product and help documentation.

Asset Catalog

Now we are going to associate some commands to some of our sample assets in the AssetWorX.

1. Open Workbench-SL (Workbench Silverlight) from Start → All Programs → ICONICS → Workbench-SL. This will open in Internet Explorer
2. Select the AssetWorX Navigator provider. If you expand the various assets of the sample database, you should see features similar to Figure 1.

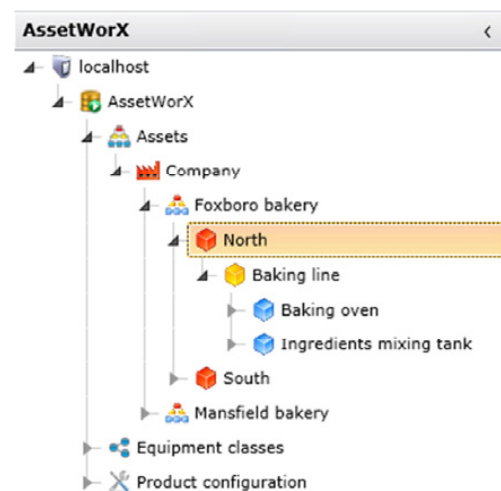


Figure 1 - Sample Asset Catalog

3. Select the **North** asset under Company → Foxboro bakery
4. Select the **Commands** tab on the right

Load Display Command

5. Click the **Add** button to add a new command
6. Select **Load Graphics Display** from the Command drop down
7. Enter “**Production KPI**” in the Name field
8. Enter the URL to your published display file from step 5 in the previous section. It should be something similar to

<http://ServerNameHere/GENESIS64/Websites/PubDisplay/North.gdfxp>

Make Phone Call Command

9. Add another **Command** to this asset
10. Select **Phone Call** from the Command drop down
11. Enter “**Call Supervisor**” in the Name field
12. In the **CallDisplayName** and **PhoneNumber** fields enter the name and number

NOTE: The Phone Number field supports any formats that are supported natively by the phone

Windows Phone

With our assets configured with the example commands, we can now try them through a Windows Phone using MobileHMI. If you do not already have MobileHMI installed on your Windows Phone, please refer to the product and help documentation.

1. Launch MobileHMI from your Windows Phone
2. When prompted to select a server to connect to, you can do one of the following:
 - If your Windows Phone is connected to the same WiFi network as your GENESIS64 Server you can connect to it using the IP or machine name.
 - If you are not on the same WiFi network as your GENESIS64 server you can access it using the fully qualified domain name such as mobilehmi.iconics.com
3. Select asset catalog and navigate down to the **North** asset that we configured in the previous section
4. **Tap** and **Hold** the North asset to view the list of the two commands we configured in the previous section as shown in Figure 2.



Figure 2 - Commands for North Asset

5. Select the **Call Supervisor** command and you will see the option to **call** and **don't call** similar to Figure 3.

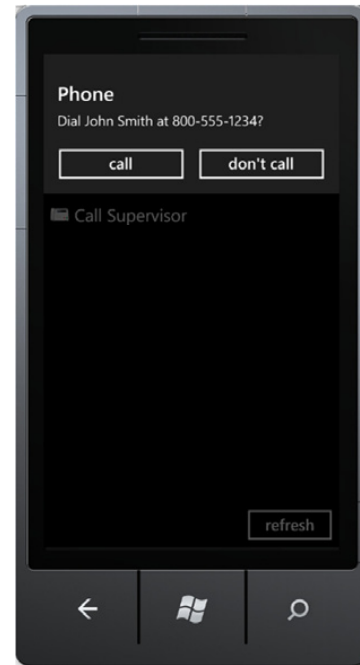


Figure 3 – Using the Make Phone Call command

6. Now try selecting the **Production KPI** command and you should now see your example display created in a previous section similar to Figure 4.



Figure 4 - Viewing a GraphWorX64 Windows Phone Display

This is just a brief overview of some of the features you can use with MobileHMI on your Windows Phone. For more information please refer to the help documentation and MobileHMI Application Notes.