



# MobileHMI

## Getting Started



APPLICATION NOTE

October 2015

**Description:** Guide to start using ICONICS MobileHMI.

**General Requirement:** Windows Phone 8, Android, iOS, or HTML5-enabled device.

## Introduction

MobileHMI is the next generation HMI/SCADA mobile application for industrial, manufacturing and building automation. MobileHMI is an application developed to allow access to operational information from anywhere and at any time. Leveraging the capabilities of the ICONICS platform technologies for HMI/SCADA and AnalytiX, MobileHMI will bring a new level of flexibility to any MobileHMI or SCADA installation. With the ability to launch GraphWorX64 displays, real-time and historical trends, navigate the Asset Catalog, monitor alarms and subscribe to push notifications for alarms, MobileHMI gives users control of enterprise scale operations from a wide variety of mobile devices.

The MobileHMI product can be installed separately as a stand-alone product or it can be used with ICONICS GENESIS64 or ICONICS AnalytiX suites.

## Installation on devices

### Installing MobileHMI to devices

1. Open the respective application stores for your device.
2. Search for 'MobileHMI'.
3. Click on it and choose to install.

## Connecting to a demo project

After MobileHMI is installed on your device, launch it by tapping the MobileHMI icon from your device's application list.

1. On a Windows device, connect to the demo server by clicking on 'Test the application' after MobileHMI launches for the first time. The next time the app launches, click on the 'mobilehmi.com' server and click connect.
2. On Android or iOS devices, connect to the demo server by clicking on the 'mobilehmi.com' server and click connect.
3. Once you're connected, click on any of the available tiles to discover the various features of MobileHMI.

## Interacting with the MobileHMI app

Interacting with the MobileHMI app on your device is very intuitive.

For the Windows 8 app:

- Swipe in from the top or bottom edge of the screen to access the app menu.
- Swipe in from the right edge of the screen to access the Windows 8 charm bar to access Windows 8 Share features.

For the Android & iOS app:

- Click on the '...' button at the bottom right to access the app menu.

## Enabling MobileHMI for your GENESIS64 System

### Server Installation (App Hub)

To enable MobileHMI functionality for your GENESIS64 system, you need to first install the MobileHMI product on your primary GENESIS64 server. You may also do a standalone MobileHMI installation without GENESIS64 but you will not be able to use many of the GENESIS64 providers.


1. Insert the MobileHMI 10.9 DVD into your primary server.
2. From the splashscreen, click on MobileHMI.
3. Follow the on-screen instructions to install.

**NOTE:** For details about the installation procedure please refer to the product documentation located on the installation disk.

### Setting up a MobileHMI server

Configuration of MobileHMI for your GENESIS64 system is done through the MobileHMI provider in Workbench for Desktop.

**NOTE:** MobileHMI can only load .gdfxp and gdfpxz format displays. Please save your desired displays as this format and publish it to the PubDisplay folder.

1. Launch Workbench for Desktop.
2. Click on the MobileHMI provider, , from the provider list.
3. A new layout needs to be first created. Do so by expanding the MobileHMI provider and right click on Layouts, then choose 'Add Layout'.
4. Give the new layout a name and optionally pick an icon.
5. Right click on the new layout and choose 'Add Group'.
6. Give the group a name.
7. Right click on the new group and choose 'Add Tile' to create a new tile.
8. Give the tile a name and optionally configure the different aspects of the tile.



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9. Most commonly, a command is associated to a tile to perform an action when a user clicks on the tile, i.e. load a graphics display. In the command section, select a desired command, i.e. Load Graphics Display and fill in the necessary configuration fields.
10. Once these basic steps are complete, when you connect the MobileHMI app to this server, you'll see your layout show up. Clicking on the layout shows the groups of tiles as configured.

## Importing SmartTiles into MobileHMI

Smart Tiles are a new way of providing at-a-glance information on a mobile device.

To use Smart Tiles with your MobileHMI setup, you have to first create Smart Tiles in GraphWorX64 and then import them into MobileHMI. Please refer to the app note '**GraphWorX64 - Smart Tile Technology**' which will guide you through creating a smart tile in GraphWorX64 and how to export them to be used in MobileHMI.

1. Open the MobileHMI provider in Workbench for Desktop.
2. Expand the provider → Configuration.
3. Double click on 'Smart Tile Templates'.
4. In the configuration dialog, click on '...' to browse for your exported Smart Tile(s).
5. Click on Import to import the smart tiles into MobileHMI.
6. These smart tiles are now available as Smart Tile templates in MobileHMI.

## Using SmartTiles in MobileHMI

1. To use smart tiles in MobileHMI, create a new tile under a group or pick an existing tile that you would like to add smart tile functionality.
2. In the General tab, click on the drop down next to 'Template' and pick any of the smart tile templates imported into MobileHMI.
3. The Smart Tile configuration from that template will now be applied to this tile.