Anaren Atmosphere

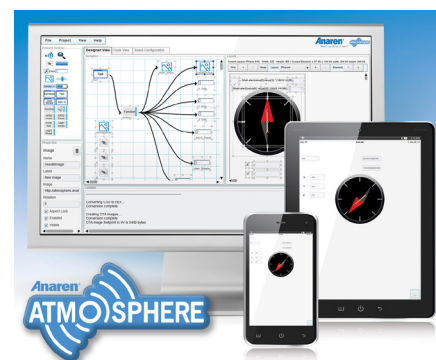Easy-to-use platform that enables the quick development of *Bluetooth*® Smart applications

Program your AIR module with *Atmosphere*, our platform that makes it easy to build *Bluetooth*® Smart applications!

The innovative Anaren *Atmosphere* development platform enables quick and easy development of *Bluetooth*® Smart applications for the AIR for WICED module. Used in conjunction with our *Bluetooth*® Smart Development Kit, our *Atmosphere* platform combines a cloud-based 'drag-and-drop' development tool, local programming software and code examples, and developer community tools like our wiki, forum, and video library — to help any embedded developer build a working embedded-to-mobile project in record time. (From there, it's just a few short steps to connect your now harvested data to your cloud provider, creating your own IoT!)

How *Atmosphere* Works

Atmosphere helps you easily construct *Bluetooth*® Smart applications by utilizing a mobile app to control a remote device. It allows you to develop both the application's mobile interface and the embedded hardware code at the same time through its easy-to-use development tool while also allowing code customization.

Atmosphere projects are first created using its innovative development tool. Once built, the application is compiled through a cloud server, and *Atmosphere*'s computer-based programming software programs the application into the embedded hardware. Simultaneously, the project's mobile code is downloaded to the *Atmosphere* app on your mobile device. The result is a cohesive solution of the embedded hardware and mobile device seamlessly working together!

What's new in *Atmosphere* 1.2.0

With the release of version 1.2.0 in June, 2015, developing your application using *Atmosphere* has gotten even easier. A variety of enhancements have been made for the *Atmosphere* development tool, including:

1.2.0 Enhancement	Description
New Sensors Element Library	Users of Anaren *Atmosphere* are acquainted with the tool's ability to drag and drop embedded code suitable to build a project/prototype with our *Bluetooth*® Smart Kit's multi-sensor development board. Now the *Atmosphere* tool also includes 3rd party elements — such as an array of sensor elements from ST Microelectronics — that speed the addition of data-creating sensors and other aspects of wireless connectivity to your project.
Improved Android Performance	Android devices will now queue all of their events and carefully send them over your *Bluetooth*® Smart connection. This will ensure messages will not be lost, fewer errors will occur while programming with an Android device, and communication between the embedded product and an Android device will happen in a more reliable fashion.
Code API Snippet Tree	Now the *Atmosphere* API is provided in a left-hand panel in the 'code view' of the *Atmosphere* development tool, so you can quickly add function calls to your code! It is also dynamically updated when an element is added from the element library, so you can quickly refer to the new functionality.
New Web Link Element	This new element allows your application to call the mobile web browser and pull up a website; a great asset for beacon applications or smart marketing!
New Element Icon Design	Icons in the *Atmosphere* toolbox have been given a facelift to help you find needed functions faster and render the user experience more intuitive and visually appealing.

For a full list of the enhancements released in *Atmosphere* 1.2.0, along with prior release updates and other information about the *Atmosphere* development suite, visit anaren.atmosphere.com

What'll we think of next?®

This member of the AIR family of wireless solutions is supported by Anaren's *Atmosphere* online development tool and features semiconductor technology from Broadcom.