

SYNAPSE'S BLUESEE™ AIDS THE DEVELOPMENT OF BLUETOOTH LOW ENERGY DEVICES

The Bluetooth® LE debugging and testing toolkit introduces first-of-a-kind cross-platform scripting to support the development process from start to finish

January 25, 2018 – Product development firm [Synapse](#), a [Cambridge Consultants](#) company, today launched BlueSee™, a cross-platform tool, available as a phone and desktop application, for easy debugging and testing during the development of Bluetooth® Low Energy (Bluetooth LE) devices.

BlueSee decouples firmware testing and application development for both professional and hobbyist IoT and peripheral developers, by providing a scriptable interface to interact with Bluetooth LE devices. BlueSee can be used throughout the development process, from proof-of-concept and development phases to final testing.

Using BlueSee, developers can view, filter, connect to, and interact with any discoverable Bluetooth LE devices within range. Unlike other cross-platform Bluetooth LE debugging tools on the market, BlueSee provides a filtration option for advertised services, which are automatically generated from scan results and from any scripts the user has installed.

Once connected, BlueSee's scripting interface – the first of its kind – takes over, providing easy access to any recognized services. Scripts are universal, running BlueSee across any platform it supports. This means, for instance, that the same script used on a MacBook® will also work on an iPhone®.

Out of the box, BlueSee provides scripts for several common Bluetooth LE services, including device information, time/date, battery level and heart rate, as well as access to generic unknown services. It uses the Lua scripting API to customize the interface and interactions for services of a device.

“Through our work on numerous Bluetooth LE projects here at Synapse, our test engineers uncovered a need for a simple way to speak to devices separately from the actual application,” said Rachel Blackman, Head of Mobile Software Development at Synapse. “Yet, the tools that exist today require writing up raw bits of information in hexadecimal form and sending them to the devices – a tedious task to complete from a smartphone, and inconvenient for testing the same functionality on desktop or laptop machines.”

“We initially developed BlueSee as an in-house Bluetooth LE debugging toolkit to improve and streamline the testing of our own device development,” continued Blackman. “Now, we are thrilled to be able share its benefits with rest of the mobile and firmware engineering community.”

The macOS X® and iOS® versions of BlueSee are available for download on the App Store today. More information about BlueSee, including a user guide, can be found at www.synapse.com/blueseetm.

ENDS

Synapse is a product development and consultancy firm. We work with the best companies in the world to drive innovation and introduce cutting-edge devices that positively impact our lives. Fueled by a desire to solve complex engineering challenges, we develop products that transform brands and accelerate advances in technology. For more information, visit www.Synapse.com.

Synapse is part of Cambridge Consultants, which develops breakthrough products, creates and licenses intellectual property, and provides business consultancy in technology-critical issues for clients worldwide. With a team of more than 700 staff, including engineers, scientists, mathematicians and designers, in offices in Cambridge (UK), Boston (USA) and Singapore, Cambridge Consultants offers solutions across a diverse range of industries including medical technology, industrial and consumer products, digital health, energy and wireless communications. For more information, visit: www.CambridgeConsultants.com.

For further information, please contact:

Jeff Hall
Director of Marketing
Synapse
+1-206-832-1269 ext. 4835
jeff.hall@synapse.com

USA PR

Hanah Johnson
March Communications
+1 617 960 8892
CambridgeConsultants@ketchum.com