

## BLUETOOTH TECHNOLOGY LICENSING KIT

### OVERVIEW

Add Java/Bluetooth™ capability to your platform with Rococo Software's Bluetooth Technology Licensing Kit (TLK). The Bluetooth TLK, designed for use on wireless devices including PDAs, mobile phones, telematics, medical equipment and more, can help to bring your product to market quickly and easily. The Bluetooth TLK is a comprehensive set of development tools and technologies that implement standard Java APIs for Bluetooth Wireless Technology (JABWT), as defined by Java Community Process Expert Group JSR-82.

The Bluetooth TLK includes the following components:

- Rococo Abstract C Stack (RACS)
- JABWT Implementation Layer
- RACS Adaptor Kit
- Rococo Bluetooth Utilities Package



### BENEFITS

- Cuts product time to market
- Provides a tried and tested solution for adding Java/Bluetooth support to platforms
- Based on standard Java APIs for Bluetooth Wireless Technology (JABWT)
- TLK component source code available
- Access to Rococo's team of experienced developers
- Access to Rococo's corporate partner program

### FEATURES

- Addresses primary Bluetooth profiles:
  - + Generic Access Profile
  - + Service Discovery Profile
  - + Serial Port Profile
  - + Generic Object Exchange Profile
- Facilitates the implementation of Bluetooth profiles such as hands free, headset and dial-up networking
- Includes a test harness for testing implementations over Bluetooth stacks
- Includes Rococo Bluetooth Utilities Package with valuable abstractions to further simplify Bluetooth development
- Includes a suite of working Bluetooth applications including:
  - + Instant Messenger based on Jabber
  - + Bluetooth Neighbourhood that manages device and service discovery
  - + Chat Application that demonstrates data transfer

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### LICENSING KIT TECHNOLOGY

Key elements of the Bluetooth Technology Licensing Kit include the Rococo Abstract C Stack (RACS), the JABWT Implementation Layer, the RACS Adaptor Kit and the Rococo Bluetooth Utilities Package.

#### Rococo Abstract C Stack (RACS)

RACS was developed as a generic C interface to the Bluetooth protocol, providing a common interface to different Bluetooth stacks. The design is based upon abstracting the interfaces of a variety of industry-accepted stacks to produce the best possible design. The development of RACS allows for easy portability to different stacks. RACS has been deployed successfully in Rococo's Impronto Developer Kit.

#### JABWT Implementation Layer

The JABWT Implementation layer fully implements JABWT on top of RACS. As a member of the JSR-82 Expert Group, Rococo worked to develop standard Java APIs for Bluetooth Wireless Technology (JABWT). Rococo's expert knowledge of JABWT, version 1.0, is evident in this robust and scalable architecture.

#### RACS Adaptor Kit

The RACS Adaptor Kit is a portable framework created by Rococo developers to allow quick deployment of RACS on any Bluetooth stack, operating system or virtual machine.

#### Rococo Bluetooth Utilities Package

The Rococo Bluetooth Utilities Package provides useful classes that further simplify Bluetooth development including:

- UUID Generator
- Bluetooth Constants
- Discovery Adapter
- Service Browser

### JAVA/BLUETOOTH ADOPTER PACKAGE

Rococo's consultants can help your development team implement the Bluetooth Technology Licensing Kit. Our consultants are experienced developers whose technical expertise contributes to Rococo's product development.

For more information on Rococo's Java/Bluetooth Adopter Package visit

[www.rococosoft.com/services/consulting.html](http://www.rococosoft.com/services/consulting.html).



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