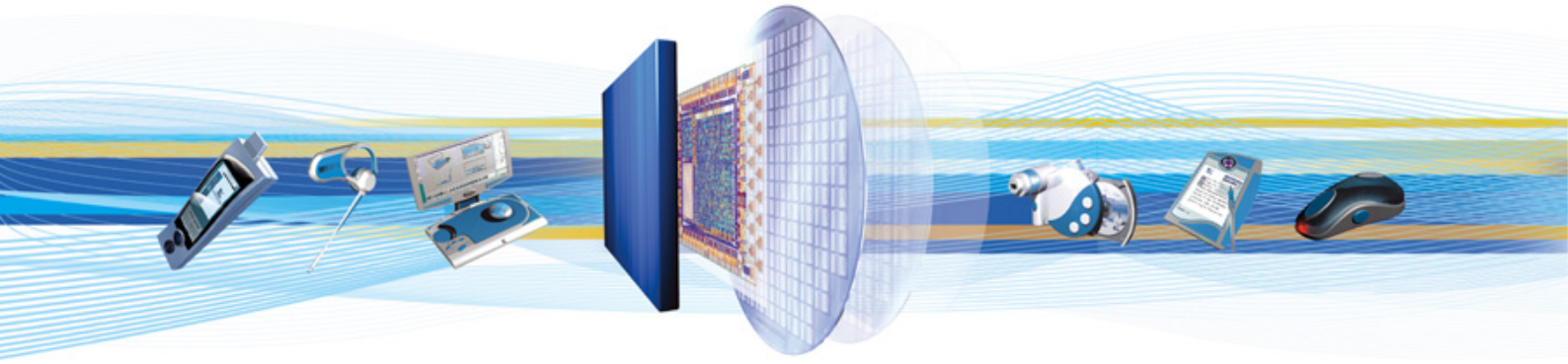
CSR Synergy Bluetooth 18.2.0

AMP Implementation Guide

November 2011



Cambridge Silicon Radio Limited

Churchill House
Cambridge Business Park
Cowley Road
Cambridge CB4 0WZ
United Kingdom

Registered in England and Wales 3665875

Tel: +44 (0)1223 692000
Fax: +44 (0)1223 692001
www.csr.com

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1 Introduction

1.1 Document Objective

The objective of this document is to describe how to get Synergy BT and Synergy WiFi compiled with AMP support.

2 Compiling

In order to get the Synergy BT and Synergy WiFi libraries compiled with AMP support Synergy BT, Synergy Framework and Synergy WiFi components need to be installed on the system.

The following steps are needed in order to get the libraries compiled with AMP support on Linux:

Step	"Command"/"Action"	Comment
1	Enter the Synergy Framework directory	
2	`make clean all TARGET=pclin-2.6-x86`	Compiling the Synergy Framework libraries for a X86 Linux platform
3	Enter the Synergy BT directory	
4	`make clean lib CONFIG=amp FW_ROOT=<full path to Framework dir.> TARGET=pclin-2.6-x86`	Compile the Synergy BT libraries for a X86 Linux platform with AMP support.
5	Enter the Synergy WiFi directory	
6	`make clean lib CONFIG=amp FW_ROOT=<full path to Framework dir.> BT_ROOT=<full path to Bluetooth dir.> TARGET=pclin-2.6-x86`	Compile the Synergy WiFi librariesfor an X86 Linux platform with AMP support.
7	Enter the Synergy BT directory	
8	`make clean bin CONFIG=amp WIFI_CONFIG=amp FW_ROOT=<full path to Framework dir.> WIFI_ROOT=<full path to WiFi dir.> TARGET=pclin-2.6-x86 CSR_BOARD=<csr-board type>`	Compile the demo applications within Synergy BT with AMP support. The important part is the use of the `CONFIG` and `WIFI_CONFIG` which ensures that the correct libraries in BT and WiFi are used. The demo application is target at using an internal development board which is specified by the `CSR_BOARD` compiler define. This define also ensures that the correct MIB file and PSR-keys are used. Please see the places where this define is used to get an idea of what needs to be specified to get other board configurations working.

Table 1 Command to compile Synergy Framework, Synergy Wifi and Synergy BT with AMP support

Terms and Definitions

BlueCore®	Group term for CSR's range of Bluetooth wireless technology chips
Bluetooth®	Set of technologies providing audio and data transfer over short-range radio connections
CSR	Cambridge Silicon Radio
UniFi™	Group term for CSR's range of chips designed to meet IEEE 802.11 standards

Document History

Revision	Date	History
1	2 NOV 11	Ready for release 18.2.0

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