

# SOFTWARE MANUAL

LibAX5043( AX5043 Support Library)

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**ON Semiconductor®**

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## 1. INTRODUCTION

LibAX5043 provides support functions for accessing the AX5043 radio chip. This library provides the higher level functions, while the basic interface setup and device probing functions are contained in LibMF. LibAX5043 is available in source and binary form for SDCC and Keil C51.

## 2. RADIO FUNCTIONS

### 2.1. LIBAX5043.H

#### 2.1.1. `UINT8_T AX5043_PLLRANGE(UINT8_T RANGE)`

This function performs auto-ranging of the PLL. range specifies the starting range. Unless special requirements dictate otherwise, a starting value of 8 is recommended. It returns the final range in bits 3:0, and an error flag in bit 4.

## 3. CONTACT INFORMATION

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