



## Application Note

### Porting Z-Wave Appl. SW from ZW0201 to ZW0301

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**REVISION RECORD**

Doc. Rev	Date	By	Pages affected	Brief description of changes
1	20060905	JFR	ALL	Initial draft
2	20070107	JFR	Front page	Front page fields fixed
3	20070608	JFR	3.3	Remarks concerning ApplicationRfNotify added

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## 1 ABBREVIATIONS

Abbreviation	Explanation

## 2 INTRODUCTION

### 2.1 Purpose

The purpose of this document is to give guidelines for the Z-Wave application developer, when porting software applications from ZW0201 to ZW0301 platform.

### 2.2 Audience and prerequisites

The audience of this document is Z-Wave partners and Zensys A/S.

## 3 ZW0301 PORTING ISSUES

### 3.1 API Libraries

A ZW0301 based Z-Wave application must be build using one of the API libraries:

- controller\_bridge\_ZW030x
- controller\_installer\_ZW030x
- controller\_portable\_ZW030x
- controller\_static\_ZW030x
- slave\_enhanced\_ZW030x
- slave\_protest\_dut\_ZW030x
- slave\_protest\_gen\_ZW030x
- slave\_routing\_ZW030x
- slave\_sensor\_ZW030x
- slave\_ZW030x

The makefile system is modified to also support the ZW0301 target. For details refer to [1].

### 3.2 Power Management

The power management API requires no changes when porting from ZW0201 to ZW0301 even though the API call **ZW\_SetWutTimeout** is improved with respect to possible timeout intervals. For details refer to [1].

### 3.3 State of Radio

The function **ApplicationRfNotify** is added in Dev. Kit v5.0x to notify the application when the radio changes state. This functionality enables the use of an external power amplifier (PA). To avoid linker errors add this function to the application as follows:

```
void ApplicationRfNotify(BYTE rfState)
{
}
```

For details refer to [1].

## REFERENCES

- [1] Zensys, INS10247, Instruction, Z-Wave ZW0102/ZW0201/ZW0301 Application Programming Guide.