



MICROCHIP

MRF24WB0MA/MRF24WB0MB

MRF24WB0MA/MRF24WB0MB RF Transceiver Module Errata and Data Sheet Clarification

The MRF24WB0MA/MRF24WB0MB RF Transceiver Module that you have received conform functionally to the current Device Data Sheet (DS70632A), except for the anomalies described in this document.

A detailed description and possible work around for each of the issues are available on page 2, following the [Table 1](#) Module Issue Summary.

Data Sheet clarifications and corrections are available on page 3, following the discussion of product issues. The product revision level can be identified by locating the seven digit manufacturing date code located on the module.

Note: For more information on extracting the product date code, refer to the product Data Sheet or contact your local Microchip sales office.

All issues listed here will be resolved in future revisions of the MRF24WB0MA/MRF24WB0MB RF Transceiver Module.

TABLE 1: MODULE ISSUE SUMMARY

Feature	Item Number	Issue Summary	Affected Date Code	
			<1039XXX	≥1039XXX
Power Save	1.	Power Save (PS) bit is set incorrectly in the PS-Poll frame.	X	
Security	2.	If the WPA or WPA2 keys are incorrectly entered, the host code will hang waiting to connect.	X	

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Module Errata Issues

Note: This document summarizes the modules Low Power and Security errata issues.

1. Feature: Low Power

The Power Save (PS) bit is set incorrectly in the PS-Poll frame when the module comes out of Power Save (PS) mode. This causes some routers to revert the module back to PS mode disabling any data transfer.

Work around

This does not affect all routers; hence, there is no work around for those that respond to the PS bit within a PS-Poll frame.

Affected Product Date Codes

<1039XXX	≥1039XXX								
X									

2. Feature: Security

When the WPA or WPA2 keys are incorrectly entered, the module firmware asserts causing the host code to hang in a state waiting to connect to the module.

Work around

Detect a time-out condition when trying to connect through WPA or WPA2 and have the host code restart or send a failure message to the user.

Affected Product Date Codes

<1039XXX	≥1039XXX								
X									

Data Sheet Clarifications

The following typographic corrections and clarifications are to be noted for the latest version of the Device Data Sheet (DS70632A).

None.

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APPENDIX A: REVISION HISTORY

Revision A Document (December 2010)

This is the Initial release of the document.

Issue 1 – Feature [Low Power](#)

Issue 2 – Feature [Security](#)

Note the following details of the code protection feature on Microchip devices:

- Microchip products meet the specification contained in their particular Microchip Data Sheet.
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