

Application Note

Debugging

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Murata Manufacturing Co., Ltd.

Revision History

Revision Number	Release Date	Comments
Revision 1.0	2018/4/16	Initial

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1. About this Document

1.1. Purpose and Scope

This document provides the instructions to debug a WICED source code.

Note: This document is made with Type1LD based. For example, in the case of other murata EVB like Type1GC, please use Type1GC name instead of 1LD.

1.2. References documentation

N1-4629_Type1LD-Quick_Start_Guide.pdf

2. How to debug an application

This section describes how to debug an application using Murata Type1LD.

2.1. Modify a Make Target

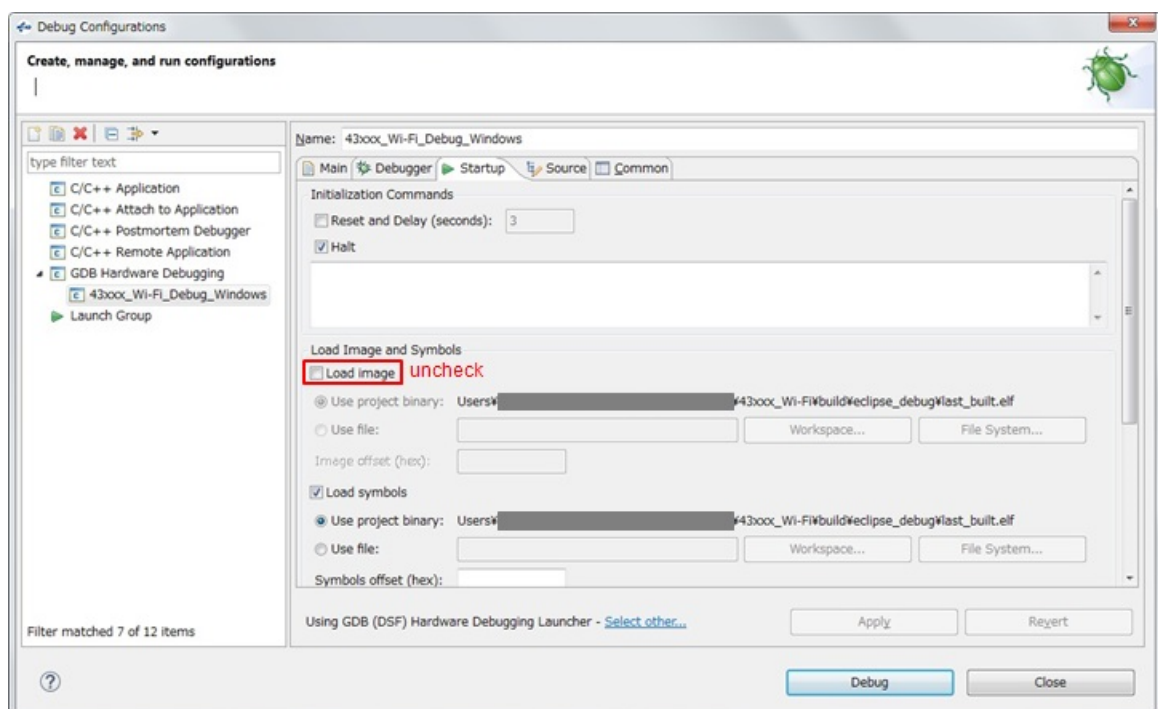
Add “-debug” to a Make Target.

Example: snip.scan-MurataType1LD-debug download download_apps

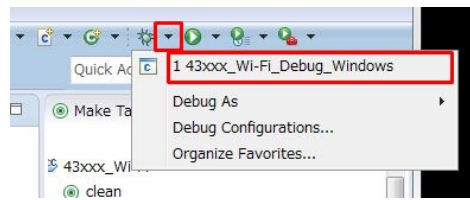
2.2. Debug an Application

Debugging procedure is shown as below: The following steps.

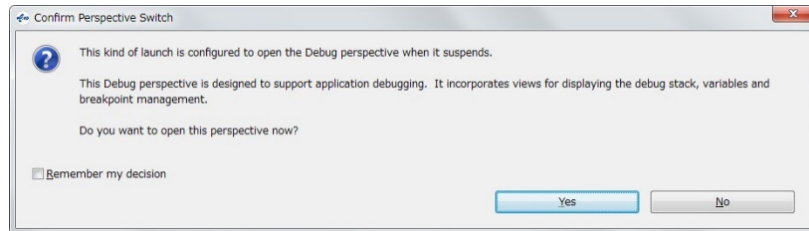
- A) Double-click on Make Target “snip.scan-MurataType1LD-debug download download_apps” to build and to download the debug firmware.
- B) Click “Run > Debug Configurations...” on the menu bar and select “Startup” tab.
Uncheck the “Load image”.



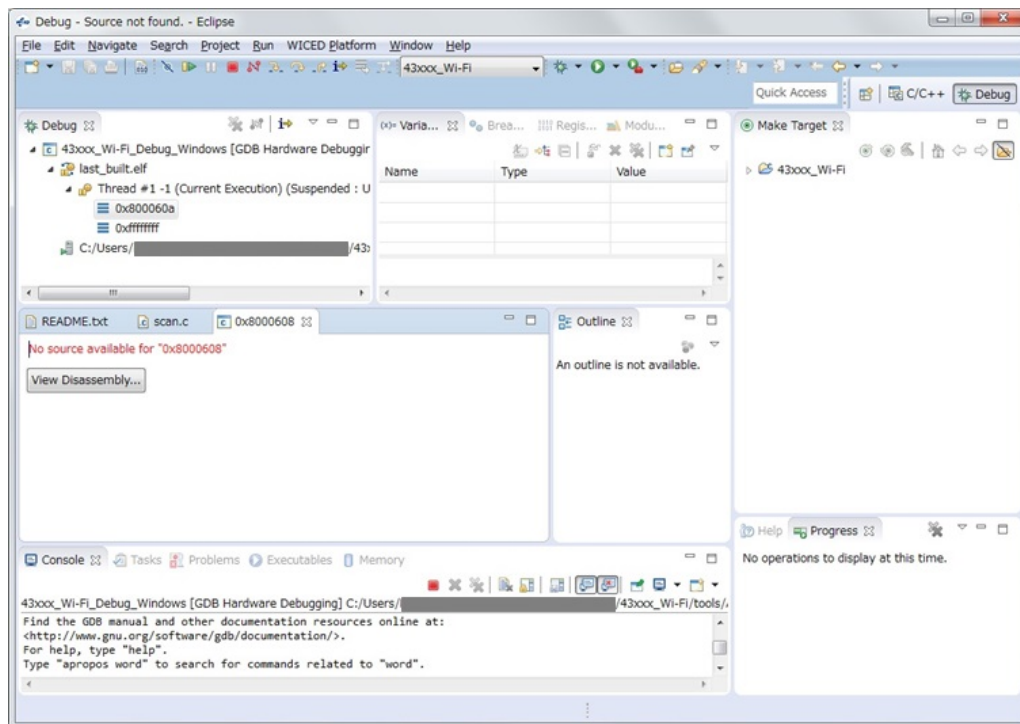
- C) Click the right button of the green debug icon and click “43xxx_Wi-Fi_Debug_Windows”.



- D) When the “Confirm Perspective Switch” screen appeared, please click the “Yes” button.

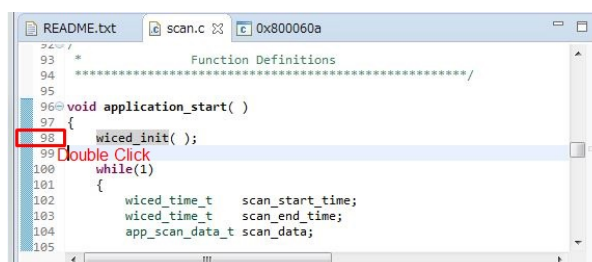


- E) The following screen will appear on the WICED-Studio.

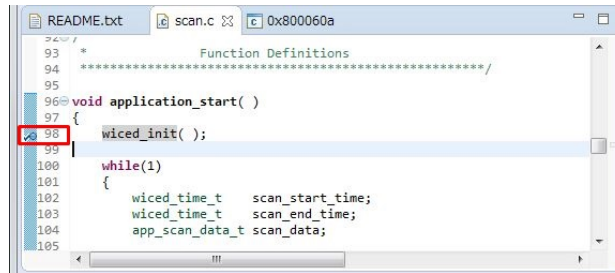


- F) Click the “scan.c” tab and set a breakpoint.

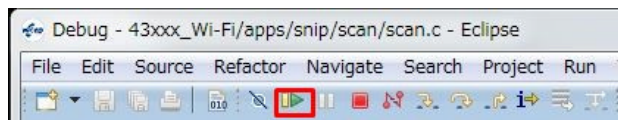
Double-click on the left area of the line numbers.



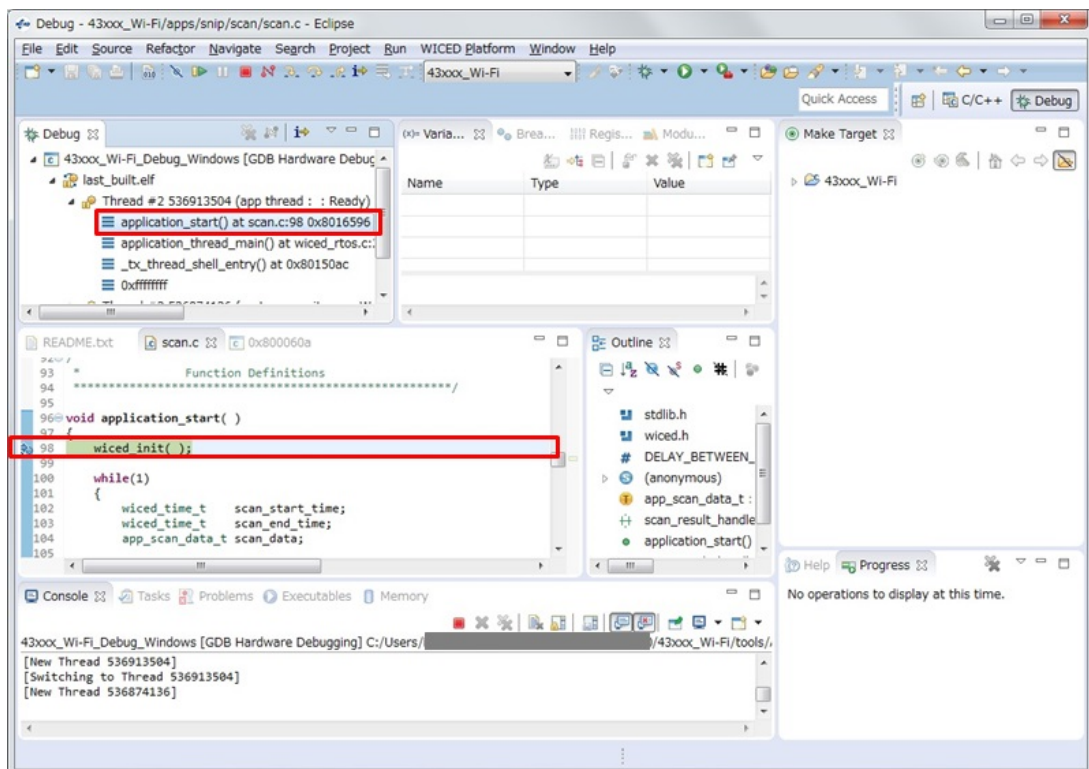
Ensure that the check mark is added.



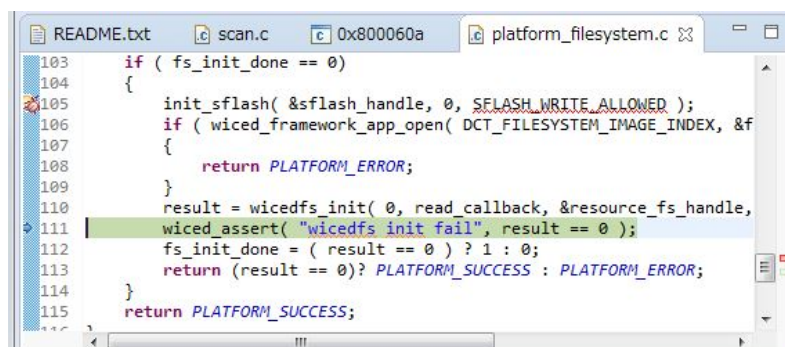
G) Click on the resume button.



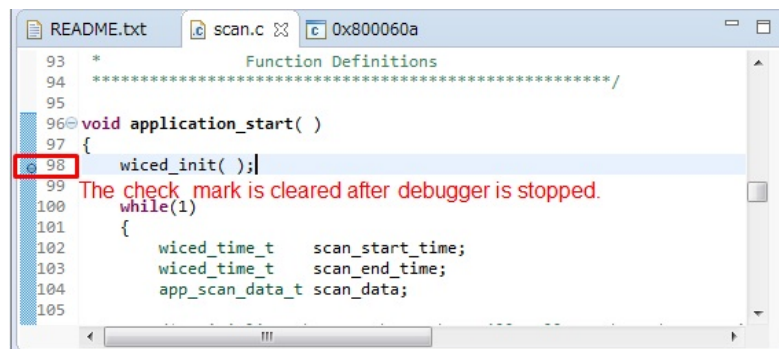
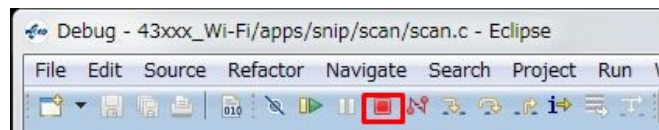
H) Check that the debugger paused at the breakpoint.



I) If the debugger stopped at the following line, please click the resume button.



- J) Once the debugger stopped, all the breakpoints will become invalid. Checked marks of all the breakpoints will be cleared.



If you would like to stop at the same breakpoint, please set the breakpoint again after the debugger restarts.

(END)