

# C-Nav<sup>TM</sup>

## **MATLAB Compiler Runtime Installation Manual**

Revision 3

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### Release Notice

This is the March 2018 release of the MATLAB Compiler Runtime Installation Manual.

### Revision History

3	03/20/2018	Updated for new domain	C. Thompson
2	07/22/2016	Update for C-Tides v2.0.0	C. Thompson
1	04/19/2013	Initial release	C. Thompson
Revision	Date	Description	Author

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### **Manual Organization**

This is a short tutorial explaining the how to install the MATLAB Compiler Runtime (MCR) library that is used by the **Oceaneering<sup>®</sup> C-Tides<sup>®</sup>** worldwide tidal data software. Sections are organized in a manner that facilitates quick operator orientation.

The first section, [Section 1 - MATLAB Compiler Runtime Installation](#) (Page 7), details how to install the MATLAB Compiler Runtime library.

[Section 2 - Troubleshooting](#) (Page 10) offers a few tips if the MCR does not run.

### Manual Conventions

Arial font is used for plain text in this document.

*Arial italic* font is used for settings names.

“Arial quoted” font is used for settings values.

**Arial Bold** font is used for button names.

***Arial Bold Italic*** font is used for menu items.

[Arial Blue](#) font is used for cross-references.

[Arial Blue Underline](#) font is used for hyperlinks.

*Arial red italic* is used for typed commands.

**Arial Bold** font size 10 is used for captions.

**ARIAL BLACK ALL-CAPS** font is used for port connection names.



This symbol means Reader Be Careful. It indicates a caution, care, and/or safety situation. The user might do something that could result in equipment damage or loss of data.



This symbol means Danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical and RF circuitry and be familiar with standard practices for preventing accidents.

Important notes are displayed in shaded text boxes.

***Please note:***

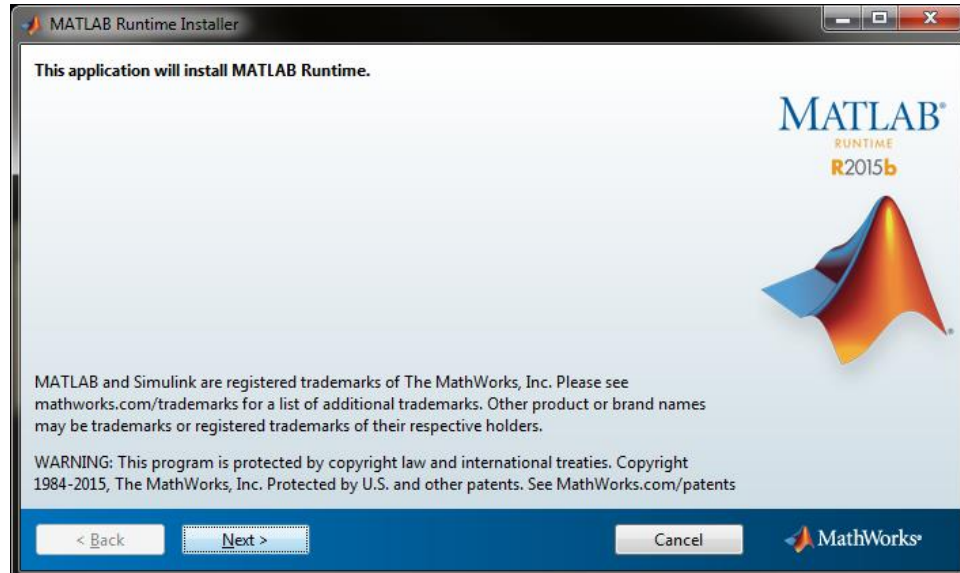
Such note boxes display important information that should not be ignored.

Simple file content is displayed in Courier New Black font in a text box.

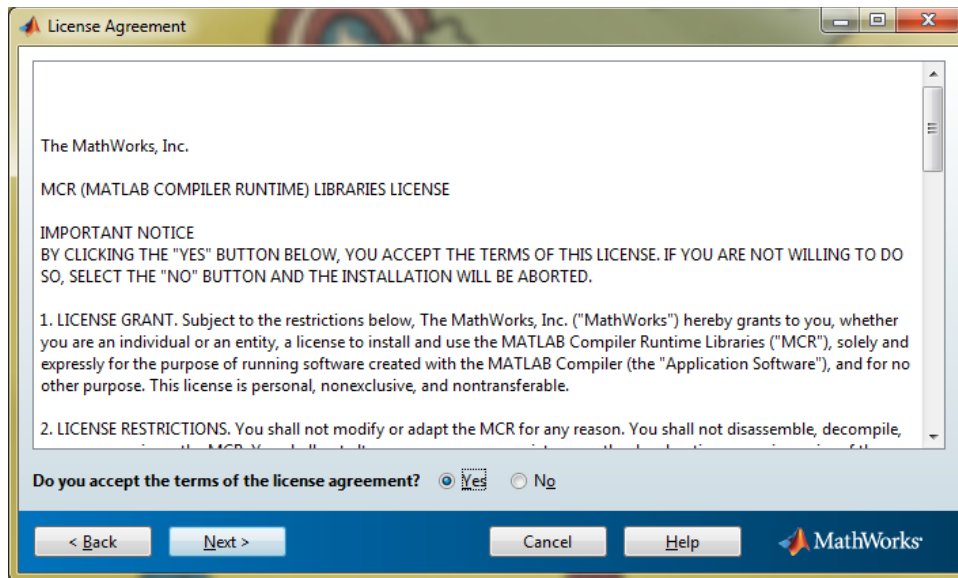
```
#Sample File  
Version 0.1
```

## Section 1 - MATLAB Compiler Runtime Installation

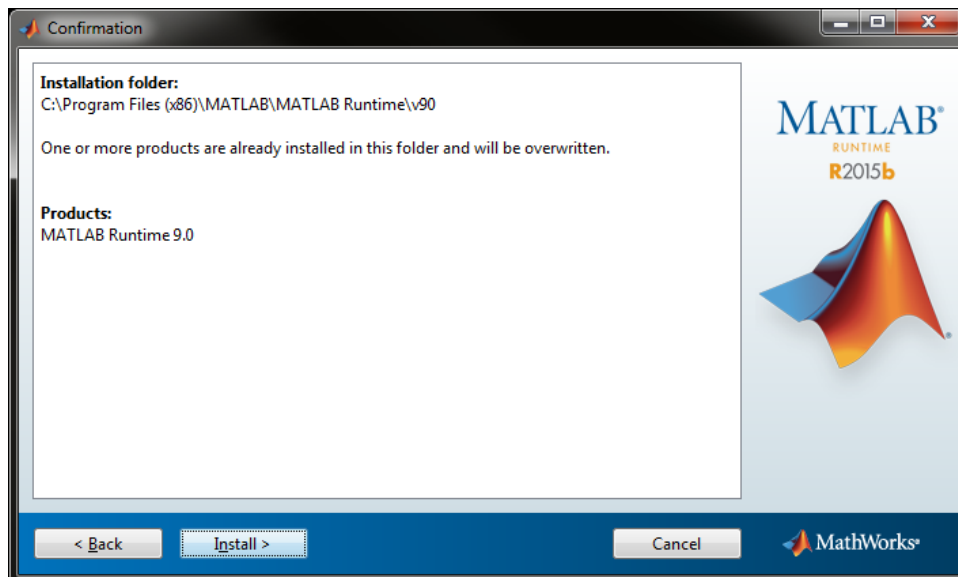
1. Download the MATLAB 2015b Compiler Runtime from <http://oceanengineering.com/positioning-solutions/customer-access-and-resources/>.
2. Double click on the MCRInstaller.exe file to start the installation.
3. Ensure that all Windows programs are closed then select **Next >** to proceed.



4. Read the License Agreement then select **Yes**. Select **Next >** to continue the installation.

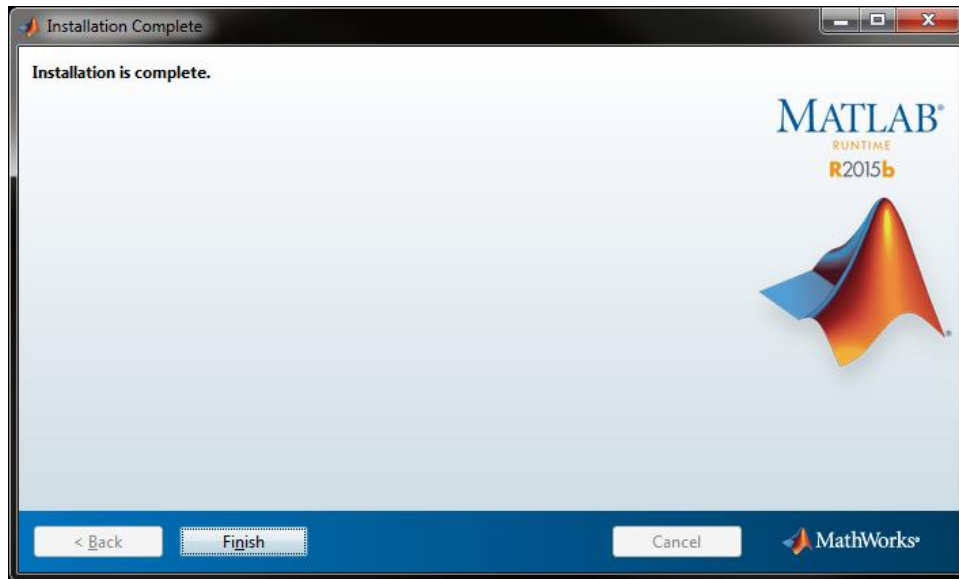


5. Select **Install** to start the installation.



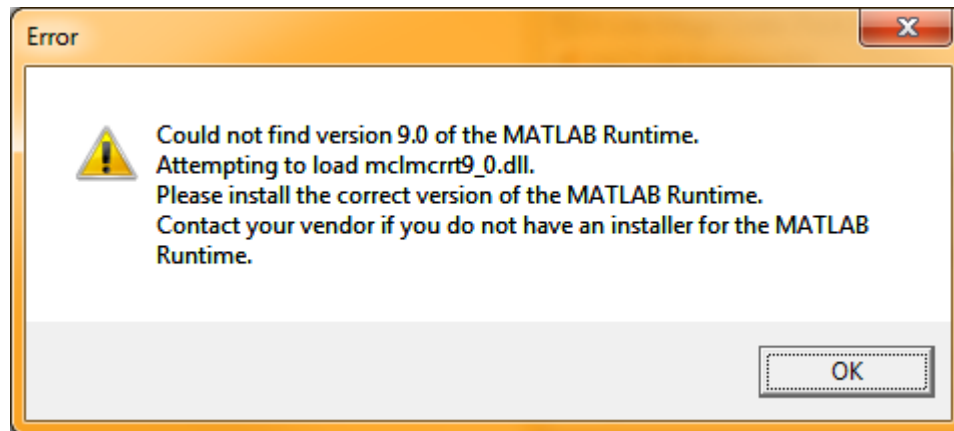


6. Select **Finish** to complete the installation



## Section 2 - Troubleshooting

If the MATLAB Compiler Runtime is not accessible when the C-Tides® software is run, the following error message will appear.



If the MCR installation was successful, then the MCR path needs to be added to the system PATH environment variable. There are two simple ways this can be accomplished:

1. Right Click on **My Computer** and select **Properties**. Press the **Advanced system settings** button to open the System Properties dialog. Click on the **Environment Variables...** button. Select the "Path" variable from within the "System Variables" table and press the **Edit...** button. Append the MCR path to the "Variable value", which is typically **C:\Program Files (x86)\MATLAB\MATLAB Runtime \v90\runtime\win32** for a 64 bit Windows system.

**Warning:**

Do not forget to put a semicolon after the last item that is currently in the path before adding the MCR path. The entry should look something like the following (note the semicolons):

```
%SystemRoot%\system32;%SystemRoot%;C:\Program Files  
(x86)\MATLAB\MATLAB Compiler Runtime\v717\runtime\win32
```

2. Using the command prompt, type the **command** `PATH = %PATH%;  
PATH_TO_MCR` where PATH\_TO\_MCR is the location of the MATLAB Compiler Runtime on your computer. i.e. **C:\Program Files (x86)\MATLAB\MATLAB**

***Runtime \v90\runtime\win32.*** Appending the path this way will only last until the computer is rebooted. It is better to use the previous method.

If the PATH environment variable needs to be modified, a reboot may be required.