

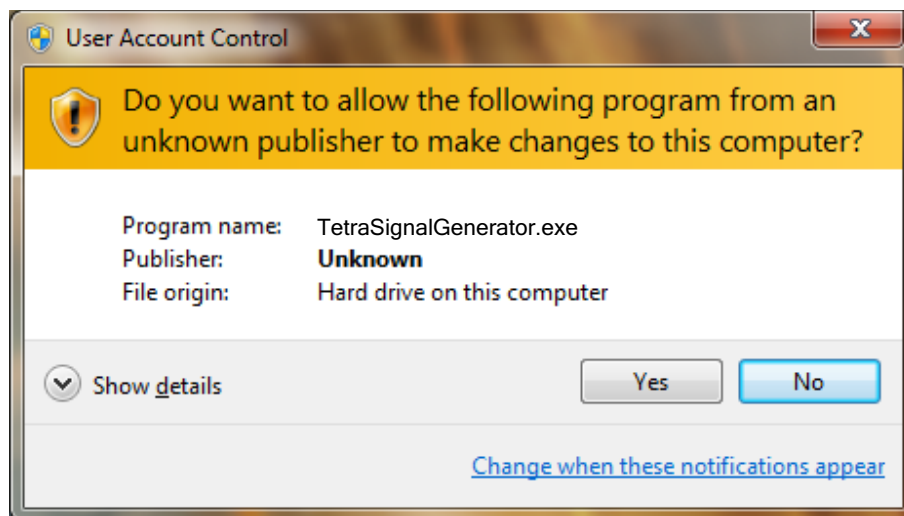
Quick Start Guide

TETRA Signal Generator

The Anritsu TETRA Signal Generator provides you with a PC utility to quickly create a T1 TCH/7.2 test signal for Base Station sensitivity testing as per the TETRA test specification to be used with the Anritsu LMR Master S412E handheld instrument. To begin using the utility, install the software, enter your signal pattern parameters into the dialogs, and then save the generated signal pattern file for importing into your LMR Master.

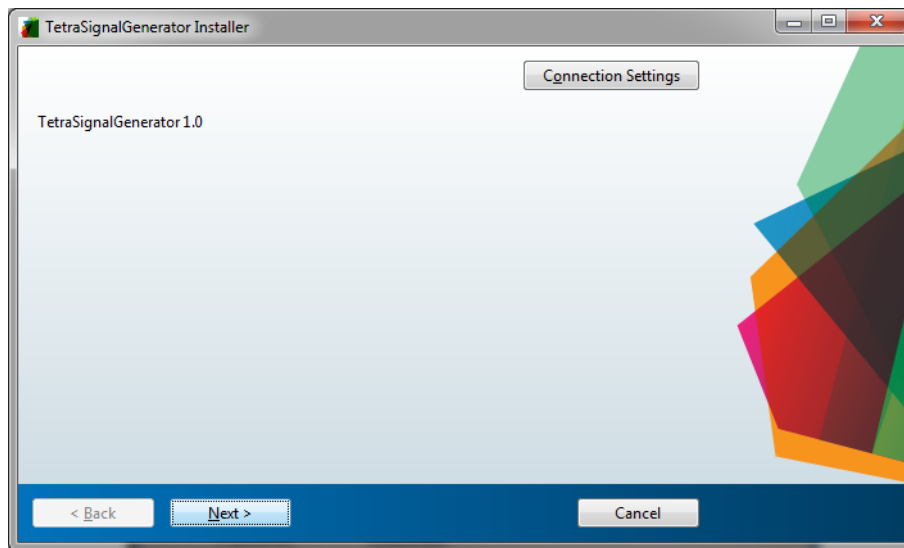
Installing the Software

1. Install the software by running “TETRASignalGenerator.exe”
2. Click “Yes” if prompted to allow unknown publisher to make changes to this computer.

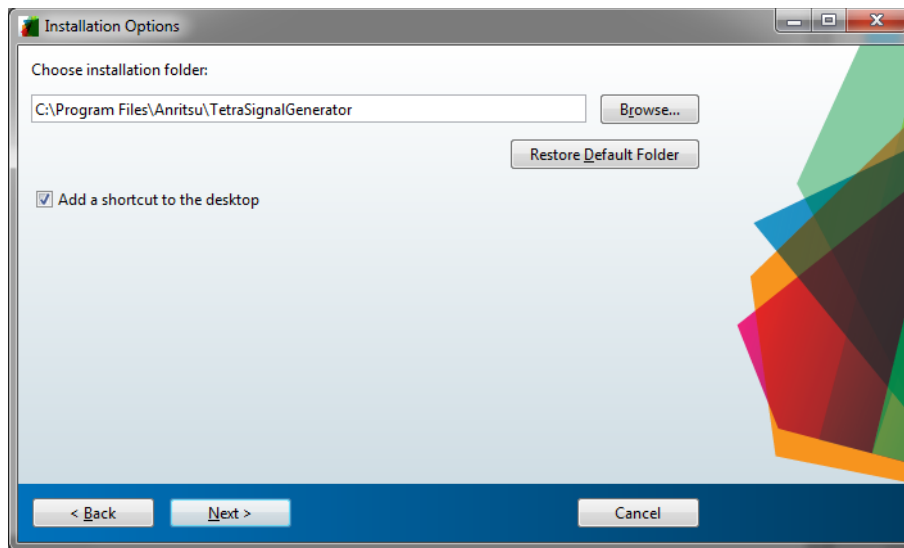


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3. When the installation screen comes up, click [Next] to continue.

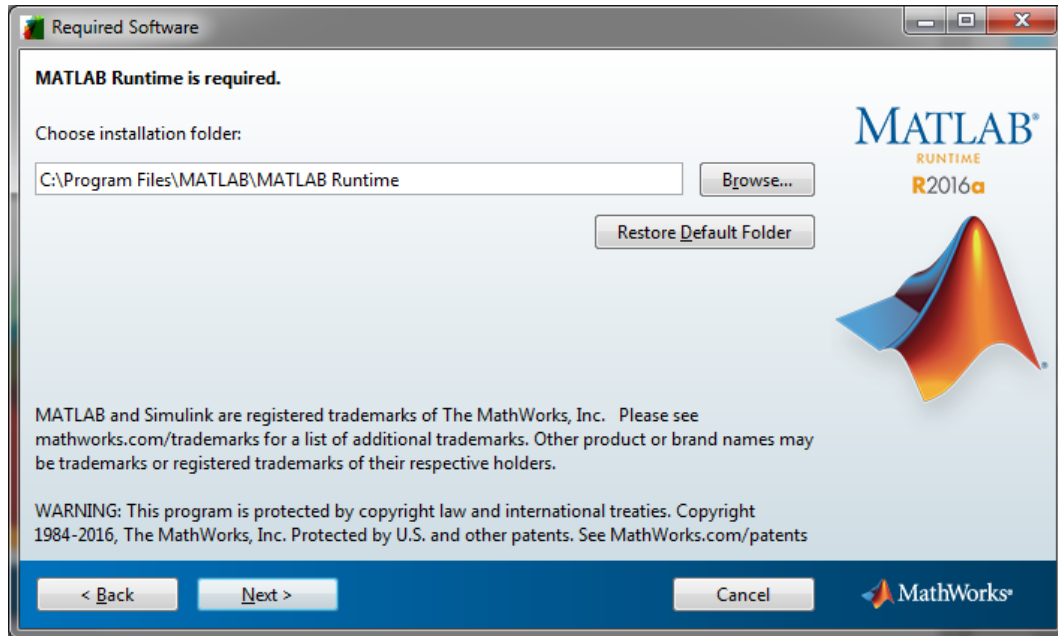


4. Check “Add a shortcut to the desktop” if desired and click [Next] to continue.

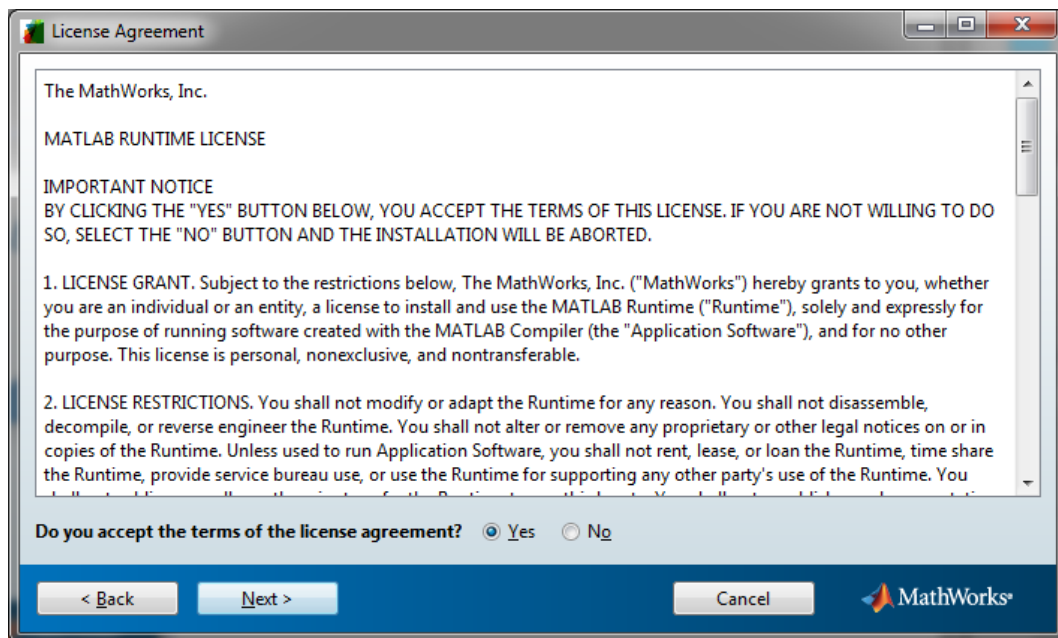


5. If MATLAB Runtime is not installed on your machine, the installation program will prompt you to install it.

- a. Choose the installation folder and click [NEXT] to continue.

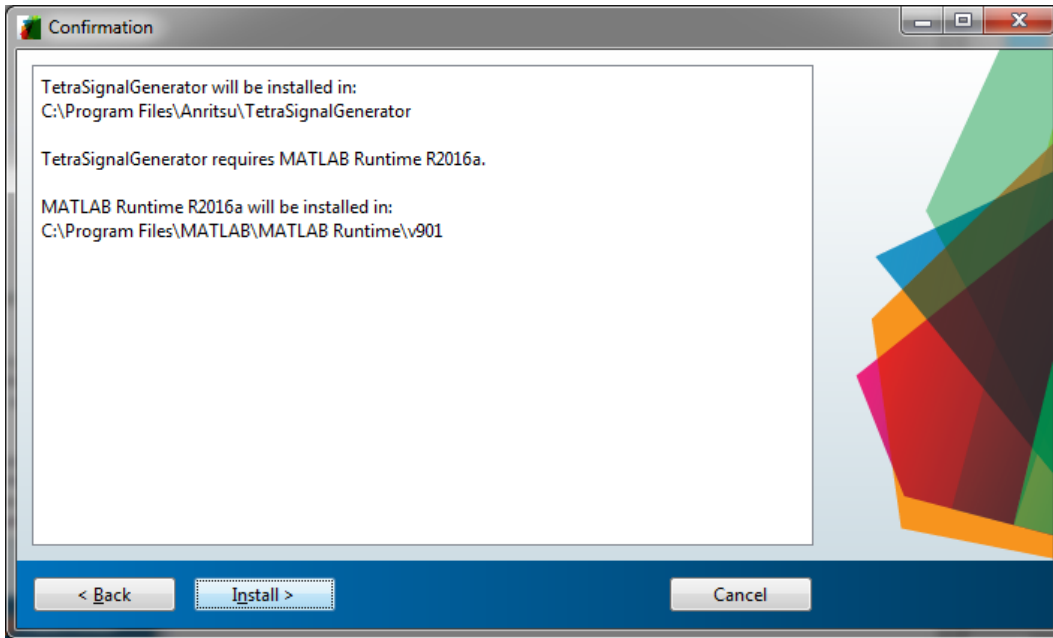


- b. Accept the MathWorks, Inc. Software license and click [Next] to continue.

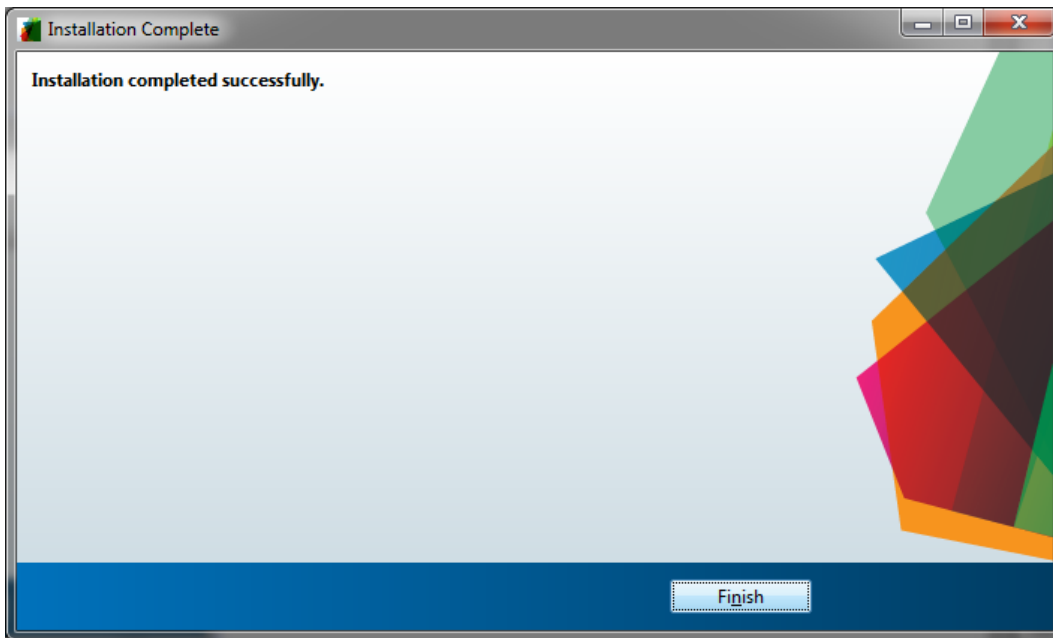


6. If the MATLAB Runtime is already installed, click [Next] to continue.

7. The confirmation screen will appear. Press [Install] to install the MATLAB runtime software.



8. When installation is complete, click [Finish] to continue.



Installation is now complete and the TETRA Signal Generator is now ready to run.

Running the TETRA Signal Generator

1. If you have added a shortcut to your desktop, you can double click it to run the program.

The TETRA Signal Generator can also be found under the Windows Home/All Programs menu under TetraSignalGenerator.



2. Enter the desired values for Base Color Code (BCC), Mobile Network Code (MNC), Mobile Country Code (MCC), and Number of Multi-Frames, and then click [Generate Signal] button to generate your desired signal.

Note Do Not leave any field empty. Each field must contain an integer value within the specified range.

A screenshot of the 'Anritsu Tetra Signal Generator' application window. The window has a title bar with the text 'Anritsu Tetra Signal Generator' and standard Windows window controls (minimize, maximize, close). The main area contains four input fields with labels and ranges: 'Base Color Code (CC 0-63)' with the value '33', 'Mobile NC (Network Code 0 - 16383)' with the value '8193', 'Mobile CC (Country Code 0 - 1023)' with the value '513', and 'No of Multi-Frames (Multi-Frames 1 - 60)' with the value '1'. At the bottom of the window is a large grey button labeled 'Generate Signal'.

3. Select the Folder where you want the signal file to be placed and click [Select Folder].

Note Depending on the processor and Number of Multi-Frames selected, this process may take up to 30 minutes. Do Not cancel the signal generation process or the program may hang and need to be restarted.

Four files will be generated. The signal file that will be used in the S412E will be named:

TETRA_T1_TCH_7p2_{BCC}_{MCC}_{MNC}_{#MF}.bin

Note	Do Not rename the .bin file as the S412E will expect the .bin file to have a specific naming convention.
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Where:

- {BCC} = Base Color Code
- {MCC} = Mobile Country Code
- {MNC} = Mobile Network Code
- {#MF} = Number of Multi-Frames