

**TargetLink**

# **Installation Notes**

**MATLAB R14SP3 Compatibility Update for TargetLink 2.1**

**TargetLink 2.1.5 – November 2005**



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## Software Updates and Patches

dSPACE strongly recommends that you download and install the most recent patches for your current dSPACE installation. Visit <http://www.dspace.com/goto?support> for software updates and patches.

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# Installation Notes for MATLAB R14SP3 Compatibility Update for TargetLink 2.1

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## Introduction

The MATLAB R14SP3 Compatibility Update for TargetLink 2.1 enables you to use TargetLink 2.1 together with MATLAB® and Simulink® on the basis of The MathWorks *Release 14 with Service Pack 3*. For simplicity, the term *MATLAB R14SP3* is used to refer to The MathWorks Release 14 with Service Pack 3 throughout the rest of this document.

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## Module-dependent installation procedures

TargetLink is a software application consisting of several modules. The installation procedure depends on the module to be installed.

The following procedures are described:

- Installing the MATLAB R14SP3 Compatibility Update for TargetLink 2.1
- Installing the MATLAB R14SP3 Compatibility Update for the TargetLink Blockset



The TargetLink Blockset can be used on its own (stand-alone mode), that is, detached from the TargetLink Base Suite. It is free of charge and intended to exchange models freely without the need for extra TargetLink licenses. Apart from the license information, which is not required for the TargetLink Blockset, the installation steps are identical to the ones of the TargetLink Base Suite. No separate instructions are given here for this reason.

- Installing the Data Dictionary Manager (stand-alone version)
- Installing the Data Dictionary Manager (stand-alone version) and the TargetLink Blockset in the same dSPACE folder

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## Preconditions for installation

- If you order a new TargetLink license, the MATLAB Compatibility Update is included on CD. If you are updating, you first have to download the MATLAB Compatibility Update from dSPACE's Web site at <http://www.dspace.de/goto?support>.
- Installing the MATLAB R14SP3 Compatibility Update for TargetLink 2.1 requires that you have installed Windows 2000 or Windows XP. It is highly recommended that you install the latest Service Packs.



Windows NT is not supported by MATLAB R14SP3. Hence, this MATLAB Compatibility Update does not support Windows NT.

- MATLAB R14SP3 is installed on your PC
- Java Virtual Machine (JVM) 1.5.0 originally installed with MATLAB R14SP3 causes errors that particularly impair work with TargetLink, although the same errors also occur without TargetLink. Thus, the MATLAB R14SP3 Compatibility Update for TargetLink 2.1 has been released explicitly for Java Virtual Machine 1.4.2\_08. It is mandatory to use this JVM in conjunction with this compatibility update and to set the installation path in the MATLAB\_JAVA environment variable to `MATLAB_JAVA=C:\Program Files\Java\j2re1.4.2_08`.

You can install the JVM 1.4.2\_08 from `Tools/Java` in the root folder of the CD. The mandatory installation folder is:

`C:\Program Files\Java\j2re1.4.2_08`.

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#### Method 1

#### To install the MATLAB R14SP3 Compatibility Update for TargetLink 2.1

- 1 Insert the TargetLink Product CD into the CD-ROM drive.
- 2 Choose the CD-ROM drive and run `CDsetup.exe` to install TargetLink 2.1 for MATLAB R14SP3.  
If you want to install the TargetLink Blockset, run `TLBS2.1_Setup.exe` instead.  
Follow the instructions given by the installation program until a message informs you that TargetLink 2.1 does not support MATLAB R14SP3.
- 3 Click OK and continue the installation anyway.
- 4 Reboot your operating system if required by the installation program.
- 5 From your download folder, run `TL2.1.5_Setup.exe` to install the MATLAB R14SP3 Compatibility Update for TargetLink 2.1.  
To install this MATLAB Compatibility Update, you have to have a *TL\_MLCUR14SP3* TargetLink license. If you want to install the TargetLink Blockset, run `TLBS215_Setup.exe` instead.
- 6 Click Finish to close the installation program.

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#### Result

The MATLAB R14SP3 Compatibility Update for TargetLink 2.1 is installed.

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**Method 2****To install the Data Dictionary Manager (stand-alone version)**

- 1** Insert the TargetLink Product CD into the CD-ROM drive.
- 2** Choose the CD-ROM drive and run `CDsetup.exe` to install Data Dictionary Manager 1.3.1.
- 3** Follow the instructions given by the installation program.
- 4** In the **TargetLink Setup - Select Components** dialog, select the **Data Dictionary Manager** checkbox.
- 5** Clear all other checkboxes.
- 6** Reboot your operating system if required by the installation program.
- 7** From your download folder, run `TL2.1.5_Setup.exe` to install Data Dictionary Manager 1.3.5.
- 8** Click Finish to close the installation program.

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**Result**

The Data Dictionary Manager 1.3.5 (stand-alone version) is installed.

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**Method 3****To install the Data Dictionary Manager (stand-alone version) and the TargetLink Blockset in the same dSPACE folder**

- 1** Insert the TargetLink Product CD into the CD-ROM drive.
- 2** Choose the CD-ROM drive and run `CDsetup.exe` to install Data Dictionary Manager 1.3.1.
- 3** Follow the instructions given by the installation program and reboot your system if required.
- 4** Choose the CD-ROM drive and run `TLBS2.1_Setup.exe` to install TargetLink Blockset.
- 5** Reboot your operating system if required by the installation program.
- 6** From your download folder, run `TL2.1.5_Setup.exe` to install Data Dictionary Manager 1.3.5.
- 7** Reboot your operating system if required by the installation program.
- 8** From your download folder, run `TLBS215_Setup.exe` to install TargetLink Blockset 2.1.5.  
Do not change the installation order of steps 6 and 8.

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**Result**

Data Dictionary Manager 1.3.5 (stand-alone version) and TargetLink Blockset 2.1.5 are installed.

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**Related topics**

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References	–