# I<sup>2</sup>S Controller IP Core Setup

# **Installation Guide**



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http://www.slscorp.com





# Introduction

This installation guide familiarizes you with the contents of the  $I^2S$  Controller IP Core setup.

Table below shows the revision history of the installation guide.

Version	Date	Description
1.0	May 2015	First release

# How to Contact SLS

For the most up-to-date information about SLS products, go to the SLS worldwide website at http://www.slscorp.com. For additional information about SLS products, consult the source shown below.

Information Type	E-mail
Product literature services, SLS literature services, Non-technical customer services, Technical support.	support@slscorp.com



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# Software Installation

This Installation Steps guides the user through the installation process of SLS I<sup>2</sup>S Controller IP Core.

We assume that following software are installed on your pc.

- Windows 2000, XP
- Quartus II 8.1, Nios II EDS 8.1

Installing I<sup>2</sup>S

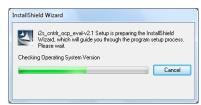
R

The I<sup>2</sup>S Controller IP Core is provided as a setup for using it in various designs. Following steps shows the installation procedure for the IP Core setup file on your system.

## Step1: Preparing to Install

Double click on the i<sup>2</sup>s cntrlr ocp eval-v<*IP Core Setup version#*>.exe file. It displays the message as shown in Figure-1.

Figure -1. Install SLS I<sup>2</sup>S Controller



# Step2: Welcome to the SLS I<sup>2</sup>S Controller IP Installation Wizard

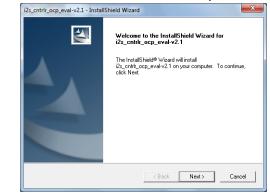
Then the next window appears showing the message, 'Welcome to the SLS i<sup>2</sup>s cntrlr\_ocp\_eval-v<*IP Core Setup version#>* Installshield Wizard' appears as shown in Figure- 2. There are three options available, 'Back', 'Next' and 'Cancel'. Choose the correct option as per the requirement.

Choose 'Back' to go to previous window. 1.

# Controller IP Core

- 2. Choose 'Next' to continue the installation.
- **3.** Choose '**Cancel**' to end the setup for installation. Selecting this option pops up a message window having options, '**Yes**' and '**No**'.
  - To continue the installation choose 'No'.
  - To exit setup choose 'Yes'.

#### Figure -2. Welcome SLS P<sup>2</sup>S Controller IP Setup Wizard



### Step3: License Agreement

The setup shows a "**License Agreement**" window. Accept the agreement in order to continue with setup. Select "**I accept the terms of license agreement**" option after reading the License terms as shown in Figure- 3.

#### Figure -3. License Agreement



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### **Step4: Choosing Destination Location**

The "**Choose Destination Location**" window appears asking the installation directory for I<sup>2</sup>S Controller IP Core. See Figure- 4. For installing to a different folder, click "**Browse**" button. Choose '**Next**' to continue the setup.

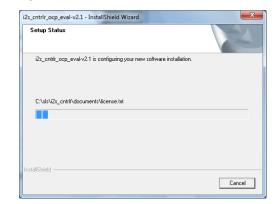
Figure -4. Choose Destination Location

Choose Destination Locatio	
Select folder where setup will in	nstall files.
Setup will install i2s_cntrlr_ocp	_eval-v2.1 in the following folder.
To install to this folder, click Ne another folder.	ext. To install to a different folder, click Browse and select
Destination Folder C:\sls\i2s_cntrli\	Browse
	Browse

## Step5: Start Copying the Program Files

It starts copying the IP Core files to the directory selected. See Figure- 5.

Figure -5. Setup Status



#### Step5: License Information

After copying the files, the "**License Information**" window explaining the steps to request the license for IP Core. See Figure- 6. Choose '**Next**' to go to finish window.

Figure -6. License Information

icense Information		
Please read the License information Carefu	lly	
the NIC number of the PC for which you we Please follow the following steps to get the Open up Command Prompt.	oftware	* III
Type "ipconfig/all".     The Physical Address will give you 12 (     is nothing but your NIC number.	digit no, which	-
IShield	4	
	< <u>B</u> ack <u>N</u> ext> Can	cel

### Step6: Finish Installation

As the installation completes, last window will appear as shown in Figure-7. Choose '**Finish**' to exit from the installation window.



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# Step7: SLS I<sup>2</sup>S Controller ReadMe

After successful installation of the SLS I<sup>2</sup>S Controller IP Core, it opens the ReadMe file. See Figure- 8.

Figure 8. SLS P<sup>2</sup>S Controller IP Core After Installation

Home	I2S Controller ReadMe	
Directory Structure & Contents	This readme file contains following information:	
Reference Designs	Directory Structure and Contents	
Documents	<u>Reference Desian</u>	
	Documents	
License	License	
Release Notes	Release Notes	
Contact us	<u>Contact us</u>	
Copyright © 2008, System Level Solutions (1) Pvt. Ltd, All rights reserved		

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To verify the proper installation of I<sup>2</sup>S Controller IP core, make sure that the installed IP Core directory structure is same as the directory structure specified in the ReadMe file.

Table 1 lists I<sup>2</sup>S Controller IP Core installation directory content and their description. The default Windows installation directory is c:\sls.

Table 1. Installed Directory Contents		
<b>Directory Name</b>	Description of Contents	
documents	Contains I <sup>2</sup> S Controller User Guide, Tutorial and readme help files.	
embedded	Contains sample source code for applications with Nios II.	
example	Contains I <sup>2</sup> S Controller configuration file.	
hardware	Contains encrypted I <sup>2</sup> S IP Core design files and ready to use reference designs for the core.	

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Table 1. Installed Directory Contents			
Directory Name	Description of Contents		
component	Contains encrypted I <sup>2</sup> S IP Core design files.		
ref_design Contains ready to use reference designs NEEK kit (Cyclone III 3C25)			