USB1.1 IP Core Setup
Installation Guide
### Introduction

This installation guide familiarizes you with the contents of the USB1.1 IP Core setup.

Table below shows the revision history of the installation guide.

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>May 2015</td>
<td>First release</td>
</tr>
</tbody>
</table>

### 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](http://www.slscorp.com). For additional information about SLS products, consult the source shown below.

<table>
<thead>
<tr>
<th>Information Type</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product literature services, SLS literature services, Non-technical customer services, Technical support.</td>
<td><a href="mailto:support@slscorp.com">support@slscorp.com</a></td>
</tr>
</tbody>
</table>
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Software Installation

This Installation Steps guides the user through the installation process of SLS USB1.1 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 USB1.1 IP Core

The USB1.1 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 `usb11_ocp_eval-v<IP Core Setup version#>.exe` file. It displays the message as shown in Figure-1.

![Figure - 1. Install SLS USB1.1](image)

Step2: Welcome to the SLS USB1.1 IP Installation Wizard

Then the next window appears showing the message, ‘Welcome to the Installshield Wizard for usb11_ocp_eval-v<IP Core Setup version#>‘, appears as shown in Figure-2. There are two options available, ‘Next’ and ‘Cancel’. Choose the correct option as per the requirement.

1. Choose ‘Next’ to continue the installation.
2. 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 USB1.1 IP Setup Wizard**

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**Step 3: 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.
Step4: Choosing Destination Location

The “Choose Destination Location” window appears asking the installation directory for USB1.1 IP Core. See Figure- 4. For installing to a different folder, click “Browse” button. Choose “Next” to continue the setup.
Step5: Start Copying the Program Files

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

Step6: Finish Installation

As the installation completes, last window will appear as shown in Figure- 7. Choose ‘Finish’ to exit from the installation window.
Installing USB1.1 IP Core

Step 7: SLS USB1.1 ReadMe

After successful installation of the SLS USB1.1 IP Core, it opens the ReadMe file. See Figure-8.

Figure 8. SLS USB1.1 IP Core After Installation
To verify the proper installation of USB1.1 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 USB1.1 installation directory content and their description. The default Windows installation directory is `c:\sls`.

<table>
<thead>
<tr>
<th>Directory Name</th>
<th>Description of Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>embedded</td>
<td>Contains sample source files for applications with Nios II.</td>
</tr>
<tr>
<td>example</td>
<td>Contains Nios II source files. Nios II includes sample source files for Portinterface application.</td>
</tr>
<tr>
<td>hardware</td>
<td>Contains encrypted USB 1.1 IP Core design files, demonstrations files using the core, ready to use reference designs for the core and precompiled library for simulation.</td>
</tr>
<tr>
<td>ref_design</td>
<td>Contains ready to use reference designs for UP3 Education Kit (EP 1C12).</td>
</tr>
<tr>
<td>software</td>
<td>Contains SLSUSB driver files for Windows and Linux with application examples.</td>
</tr>
<tr>
<td>driver</td>
<td>Contains SLSUSB driver for Linux as well as Windows.</td>
</tr>
<tr>
<td>example</td>
<td>Contains USB 1.1 examples for Linux and Windows.</td>
</tr>
<tr>
<td>library</td>
<td>Contains USB 1.1 software libraries.</td>
</tr>
<tr>
<td>utilities</td>
<td>Contains USB 1.1 utilities. enumdataeditor, portinterface and usbview applications for windows 2000/XP.</td>
</tr>
</tbody>
</table>