USB20OTG IP Core Setup

Installation Guide

IP CoreVersion:	1.0
Document Version:	1.0
Document Date:	May 2015

About this Guide

Introduction

This installation guide familiarizes you with the contents of the USB20OTG 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

Contents

Software Installation

This Installation Steps guides the user through the installation process of SLS USB20OTG IP Core.

☞ We assume that following software are installed on your pc.

- Windows XP, 7, 8
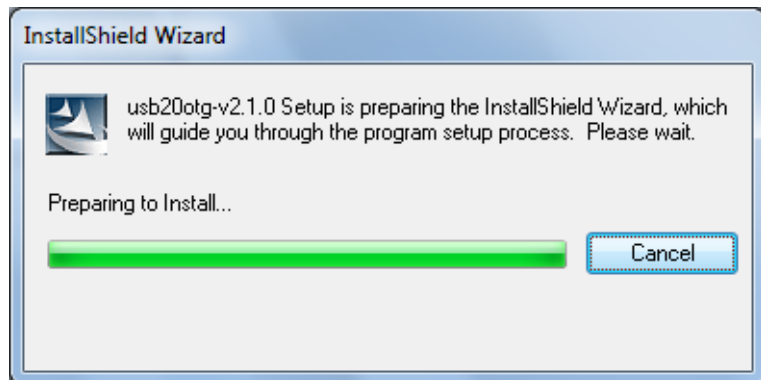- Quartus II 13.0 SPI, Nios II EDS 13.0 SPI

Installing USB20OTG IP Core

The USB20OTG 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 **usb20otg-v**<*IP Core Setup version #*>**.exe** file. The setup preparation window appears as shown in Figure- 1.

Figure -1.   InstallShield Wizard
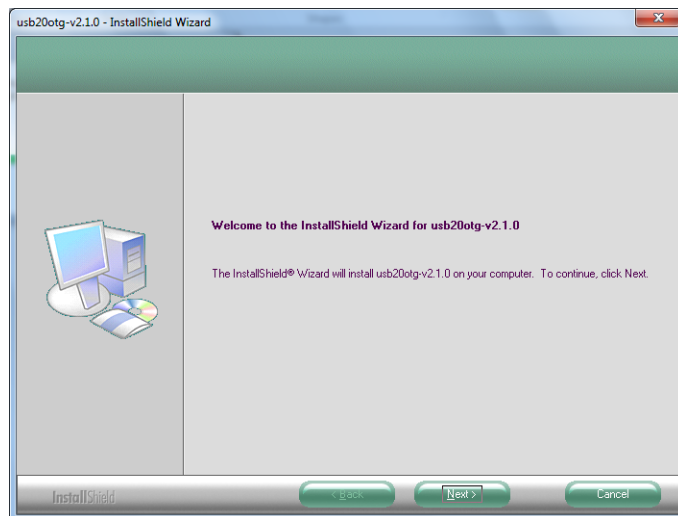
Step2: Welcome to the SLS USB20OTG IP Installation Wizard

Then the next window appears showing the message, '**Welcome to the SLS usb20otg-v**<*IP Core Setup version #*> **Installshield Wizard**'. See Figure- 2. There are three options available, '**Back**' , '**Next'** and '**Cancel**'. Choose the correct option as per the requirement.

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

2. Choose '**Next**' to continue the installation.

3. Choose '**Cancel**' to end the installation setup. Selecting this option, pops up a message window having options, '**Yes**' and '**No**'.

    •   To continue the installation choose '**No**'.

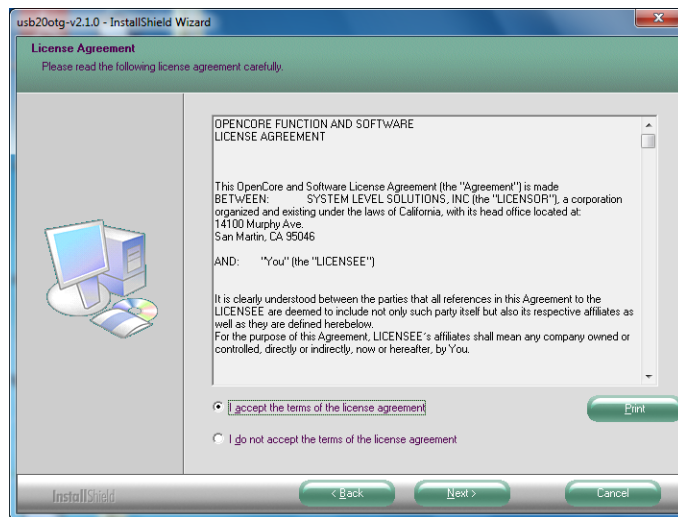   •   To exit setup choose '**Yes**'.

Figure -2.   Welcome Screen

Step3: License Agreement

On choosing **Next**, the setup will show the "**License Agreement**". Read it and accept in order to continue with setup. Select "**I accept the terms of license agreement**" option and choose **Next** to continue the installation as shown in Figure- 3.

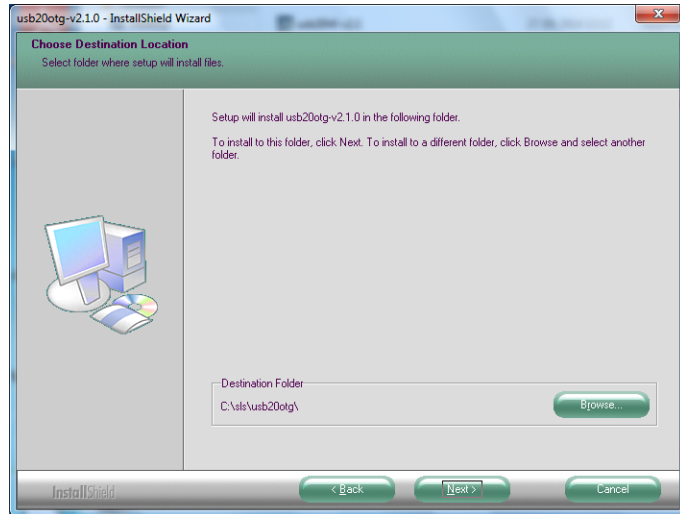*Figure -3.   License Agreement*

Step4: Choosing Destination Location

The "**Choose Destination Location**" window appears asking the installation directory for USB20OTG IP Core. See Figure- 4. For installing to a different folder, click "**Browse**" button. Choose '**Next**' to continue the installation.
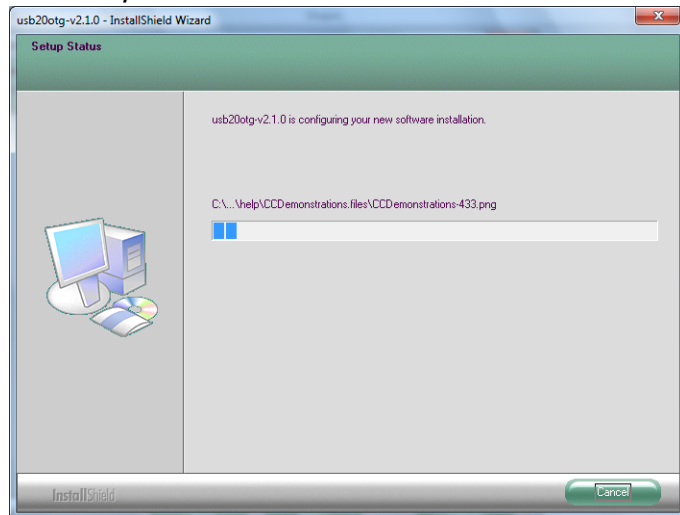
Figure -4.   Choose Destination Location

Step5: Start Copying the Program Files

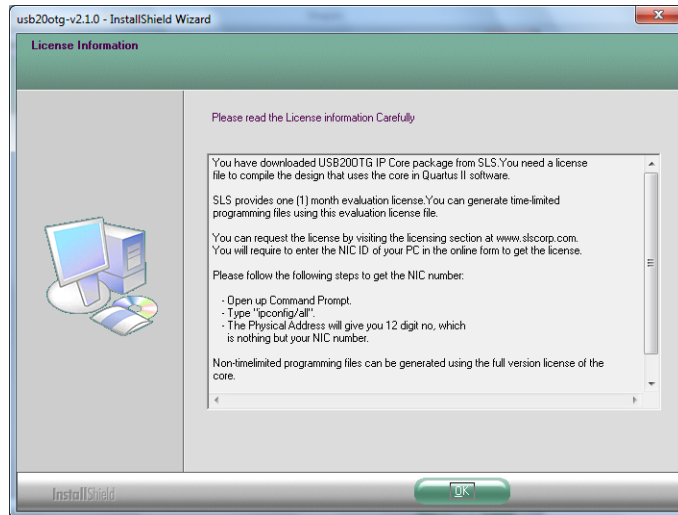It starts copying the IP Core files to the directory selected. See Figure- 5.

Figure -5.   Setup Status

Step6: License Information

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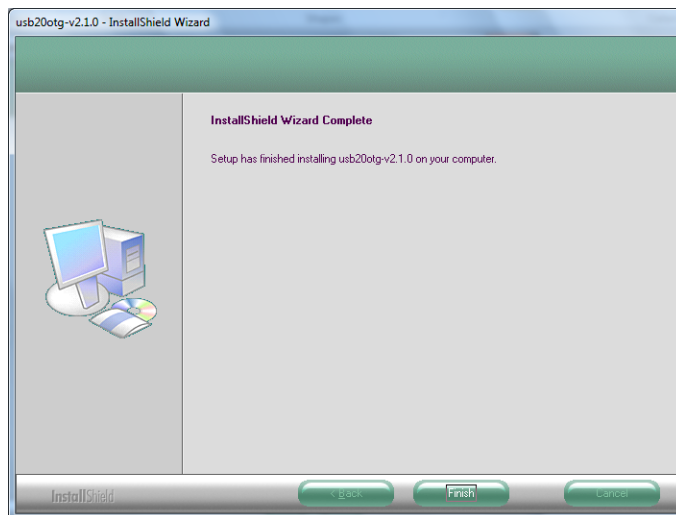
Figure -6.   License Information

Step7: Finish Installation

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

Figure -7.   Installshield Wizard Complete

Step8: SLS USB20OTG ReadMe

After successful installation of the SLS USB20OTG IP Core, it opens the ReadMe file as shown in Figure- 8.

Figure 8. SLS USB20OTG IP Core After Installation

☞ To verify the proper installation of USB20OTG 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 the USB20OTG IP Core installation directory content and their description. The default Windows installation directory is **c:\sls**.

Table 1. Installed Directory Contents

Directory Name	Description of Contents
documents	Contains USB20OTG User Guide, Host BFM VIP User Guide and readme help files.
embedded	Contains object files of Linux based USB20OTG drivers and respective supported sample files.
linux driver	Contains object files of gadget, host and otg (transceiver) Linux based USB20OTG drivers.
sample_files	Contains sample files of gadget, host, otg (transceiver) and platform.c used to make configuration settings.
readme.txt	Contains steps to configure Linux drivers with Linux kernel.
hardware	Contains encrypted USB20OTG IP Core design files, demonstrations and reference designs.

Table 1. Installed Directory Contents

Directory Name	Description of Contents
demo	Contains a demo to enumerate the attached USB device.
ref_design	Contains ready to use reference designs for USB20OTG IP core. Qsys reference design for CorCommander Development Board (r2a).
simulation.zip	☞ This compressed folder contains simulation environment. You need to unzip this. Contains files for simulation which includes simulation libraries, simulation setting, test benches of USB test cases and USB transfer tests.
startup.bat	Batch file to run the simulation.
readme.txt	Contains steps for Simulation.
software	Contains SLSUSB driver files for Windows.
driver	Contains SLSUSB drivers files for windows (system files, *.sys & INF files).
example	Contains example application to test SLSUSB supported devices.