

Basler

GETTING STARTED GUIDE FOR USB 3.0 HOST ADAPTERS WITH RENASAS HOST CONTROLLER CHIPSETS

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You can download the Basler ace Quick Installation Guide for ace USB 3.0 Cameras (AW00123501000) from: www.baslerweb.com

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1 Introduction

This Getting Started Guide applies to USB3 host adapters using Renesas USB 3.0 host controller chipsets. These chipsets were found to work well with Basler ace USB 3.0 cameras.

This document explains the installation of the host adapter and a matching host controller driver.

For a description of the related installation procedures for Basler pylon 4.0 Beta software and Basler ace USB 3.0 cameras, refer to the following document:

- *Basler ace Quick Installation Guide for USB 3.0 Cameras (AW0012350x000)*

2 Precautions

	⚠ DANGER
Danger of electric shock	
Electric shock can cause death or severe injuries.	
Before opening the PC, turn off power from the PC and unplug its power cord from the mains power supply.	

	⚠ CAUTION
Damage due to electric discharge	
Electric discharge can damage the host adapter.	
1. Make sure you are static free before touching the host adapter.	
2. Unpack and handle the host adapter only in a static free environment.	

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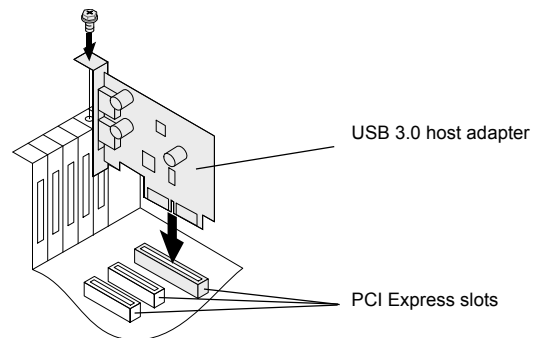
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3 Host Adapter Installation

1. Turn off power from the PC and unplug its power cord from the mains power supply.
2. Open the PC housing to gain access to the mainboard.
3. Make sure you are static free and you are in a static free environment.
4. Remove the host adapter from its package.
5. Insert the host adapter into an empty PCI Express slot on the PC's mainboard.



6. Close the PC housing.
The host adapter is installed.

4 Host Controller Driver Installation

4.1 Installation Under Windows XP or Windows 7



Make sure to use the correct driver (xHCI driver) for the Renesas host controller chipset.

We strongly recommend to **only** install an xHCI driver supplied with the Basler pylon 4.0 Beta software package and **not** to use an xHCI driver from a different source.

1. Make sure the Basler pylon 4.0 Beta software package is installed on your PC (see document AW0012350x000).
2. Navigate to the folder that includes the xHCI driver setup packages:
Click **Start > All Programs > Basler > Pylon 4.0 > Tools & Drivers** (a corresponding path would for example be: **C:\Program Files\Basler\Pylon 4.0\bin\drivers\USB 3.0 Host Controller**).
3. Click the **USB 3.0 Host Controller Drivers** folder.
The folder opens showing the xHCI driver setup packages and a **Readme.txt** file. The readme file includes information about the matching driver setup package for each variant of Renesas host controller chipset.
4. Install the correct xHCI driver setup package for the present variant of Renesas host controller chipset:



If you are not sure which chipset variant is used on the host adapter, install both xHCI driver setup packages that are delivered with the Basler pylon 4.0 Beta software package.

- If the host controller uses a Renesas uPD720200 or uPD70200A chipset:
 - a. Click **Renesas-USB3-Host-Driver-21390-setup.exe** to install the xHCI driver setup package.
- If the host controller uses a Renesas uPD720201 or uPD720202 chipset:
 - a. Click **Renesas 3.0.23.0.zip** to unpack the xHCI driver setup.
 - b. Click **Renesas-USB3-Host-Driver-30230-setup.exe** to install the xHCI driver setup package.

The matching xHCI driver setup package is installed.

4.2 Installation Under Windows 8

Use the xHCI driver that is included in the Windows 8 operating system on your PC. The xHCI driver is suitable for **all** brands of host controller chipsets for USB 3.0 ports. The driver does not explicitly need to be installed.