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## HYPLNK Low Level Driver

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# Release Notes

Applies to Product Release: 01.00.01.05  
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### Contributors to this document

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# **HYPLNK Low Level Driver version 01.00.01.05**

## **Overview**

This document provides the release information for the latest HYPLNK LLD which should be used by drivers and application that interface with the HyperLink peripheral.

HYPLNK LLD module includes:

- Compiled library (Big and Little) Endian of HYPLNK Low Level Driver.
- Sources, examples and unit test code.
- API reference guide
- Design Documentation

## **LLD Dependencies**

LLD is dependent on following external components delivered in PDK package:

- CSL
- QMSS LLD

## **New/Updated Features and Quality**

### **Release 1.0.1.5:**

- Corrected C6657 EVM ref clock in example project

### **Release 1.0.1.4:**

- Replaced device names with part numbers in example project

### **Release 1.0.1.3:**

- Resolved Linux host compilation issue with example project

### **Release 1.0.1.2:**

- Standalone delivery packaging
- SDOCM00084196: Project warning for `hyplnkLLDPlatCfg.h`

**Release 1.0.1.1:**

- SDOCM00082831: Minor cleanups in HyperLink LLD

**Release 1.0.1.0:**

- SDOCM00082831: Minor cleanups in HyperLink LLD
- SDOCM00082828: Two device HyperLink example

**Release 1.0.0.4:**

- SDOCM00081879: `hyplnk_read_ECCErrors_reg()` doesn't work. It accesses the wrong HW register

**Release 1.0.0.3**

- Added makefile support
- Simplified and automated process of LLD version update

**Release 1.0.0.2**

- Deprecated support for C64P ELF and COFF. Only C66 ELF is supported now
- In the example, block coherent API for L1D, L1P and L2 have been modified to use `CACHE_FENCE_WAIT` enumeration. This enumeration internally uses the C66 `mfence` instruction which is recommended for all block coherence cache operations.

**Release 1.0.0.1**

- Changes for limiting doxygen requirement only during the release
- Copyright modification to TI BSD

**Release 1.0.0.0:**

- Initial Release

**Resolved Incident Reports (IR)**

Table 1 provides information on IR resolutions incorporated into this release.

**Table 1 Resolved IRs for this Release**

IR Parent/ Child Number	Severity Level	IR Description
SDOCM00091372	Minor	Incorrect ref clock is used in Hyperlink LLD example project for C6657

## Known Issues/Limitations

Table 2 Known Issue IRs for this Release

IR Parent/Child Number	Severity Level	IR Description

## Licensing

Please refer to the software Manifest document for the details.

## Delivery Package

There is no separate delivery package. The HYPLNK LLD is being delivered as part of PDK.

## Patches and Modifications to Tools

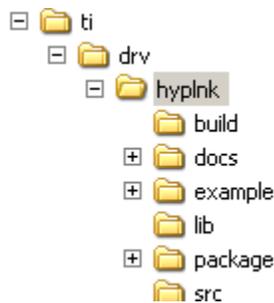
N/A

## Installation Instructions

The LLD is currently bundled as part of Platform Development Kit (PDK). Refer installation instruction to the release notes provided for PDK.

## Directory structure

After installation the HYPLNK LLD has the following directory structure:



The following table explains each individual directory:

Directory Name	Description
ti/drv/hyplnk	The top level directory contains the following:- <ol style="list-style-type: none"> <li><u>Environment configuration batch file</u> The file “setupenv.bat” is used to configure the build environment for the HYPLNK low level driver.</li> <li><u>XDC Build and Package files</u> These files (config.bld, package.xdc etc) are the XDC build</li> </ol>

	files which are used to create the HYPLNK package.
	3. <i>Exported Driver header file</i> Header files which are provided by the HYPLNK low level driver and should be used by the application developers for driver customization and usage.
ti/drv/hyplnk/build	The directory contains internal XDC build related files which are used to create the HYPLNK low level driver package.
ti/drv/hyplnk/docs	The directory contains the HYPLNK low level driver documentation.
ti/drv/hyplnk/example	The “example” directory in the HYPLNK low level driver contains an example using bidirectional memory access with the peripheral in loopback. This also serves as the unit test.
ti/drv/hyplnk/lib	The “lib” folder has pre-built Big and Little Endian libraries for the HYPLNK low level driver along with their <i>code/data size information</i> .
ti/drv/hyplnk/package	Internal HYPLNK low level driver package files.
ti/drv/hyplnk/src	Source code for the HYPLNK low level driver.

## Customer Documentation List

Table 3 lists the documents that are accessible through the /docs folder on the product installation CD or in the delivery package.

**Table 3 Product Documentation included with this Release**

Document #	Document Title	File Name
1	API documentation (generated by Doxygen)	docs/hyplnkDocs.htm
2	Release Notes (this document)	docs/ReleaseNotes_HYPLNK_LLD.pdf
3	Software Manifest document	docs/HYPLNK_LLD_1_0_SoftwareManifest.pdf