



## **MPEG-DASH Analyzer User's Guide**

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The logo for Jongbel Media Solutions features the word "JONGBEL" in a bold, blue, sans-serif font. The letter "O" is stylized with a yellow and orange circular graphic element. Below "JONGBEL" is the phrase "MEDIA SOLUTIONS" in a smaller, blue, sans-serif font.

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## 1. Overview

**MPEG-DASH Analyzer** application provides a structural representation of the MPEG-DASH stream. The analyzer exposes the main MPD manifest, the container structure and the audio and video essence. Supported are MPD manifests, fMP4 fragmented container, AVC/H.264 and HEVC/H.265 video essence, AAC and AC3 audio essence. Binary hex representation of all stream elements is also available.

The screenshot displays the MPEG-DASH Analyzer interface. The top pane shows the XML manifest for a DASH stream, including details like version, MPD URI, and various adaptation and representation parameters. The bottom pane shows the corresponding hex representation of the manifest data, with a 'Hex View' label on the left.

### 1.1 General Features

- Structural representation of MPEG-DASH stream
- Structural representation of initialization MP4 segments
- Structural representation of fMP4 fragmented media segments
- Structural representation of AVC/H.264 video elementary stream
- Structural representation of HEVC/H.265 video elementary stream
- Structural representation of AAC audio elementary stream
- Structural representation of AC3 audio elementary stream

- DRM – PlayReady support
- DRM – Widevine support
- Hex data representation of all MPEG-DASH elements

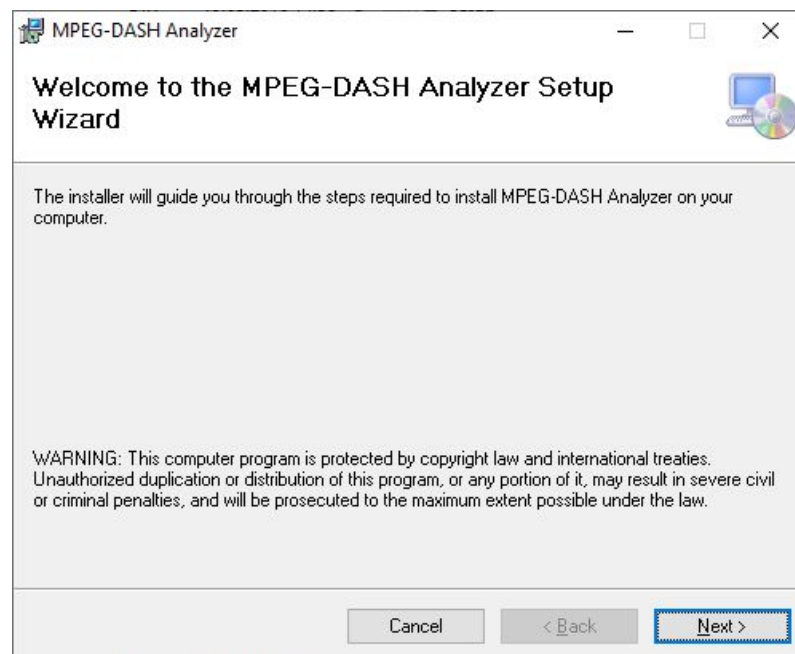
## 2. Installation

### 2.1 Installing MPEG-DASH Analyzer

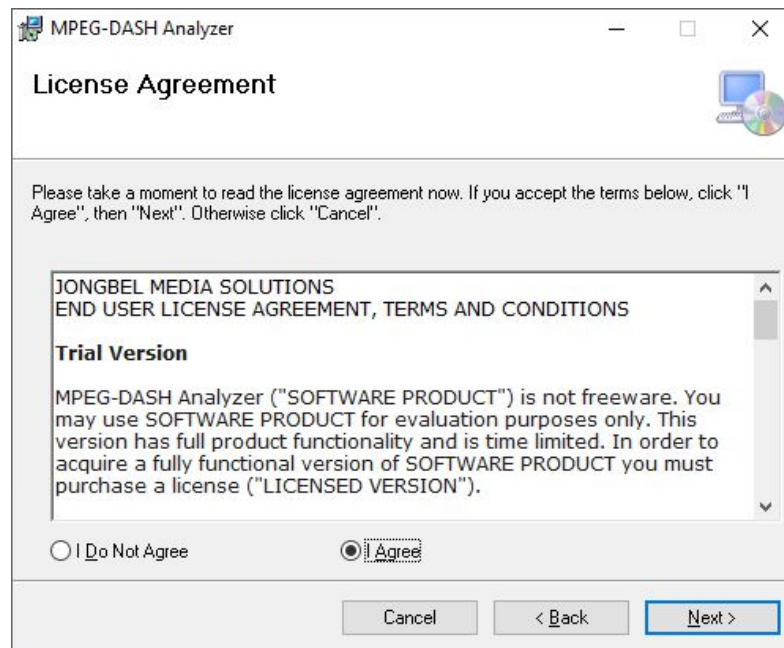
Before installing the **MPEG-DASH Analyzer** solution, make sure that any previous version of the product has been uninstalled refer 2.2.

The installation package of **MPEG-DASH Analyzer** is distributed in msi file. After downloading the file from the official Jongbel Media Solutions web site – [www.jongbel.com](http://www.jongbel.com), execute the installation by starting the msi file.

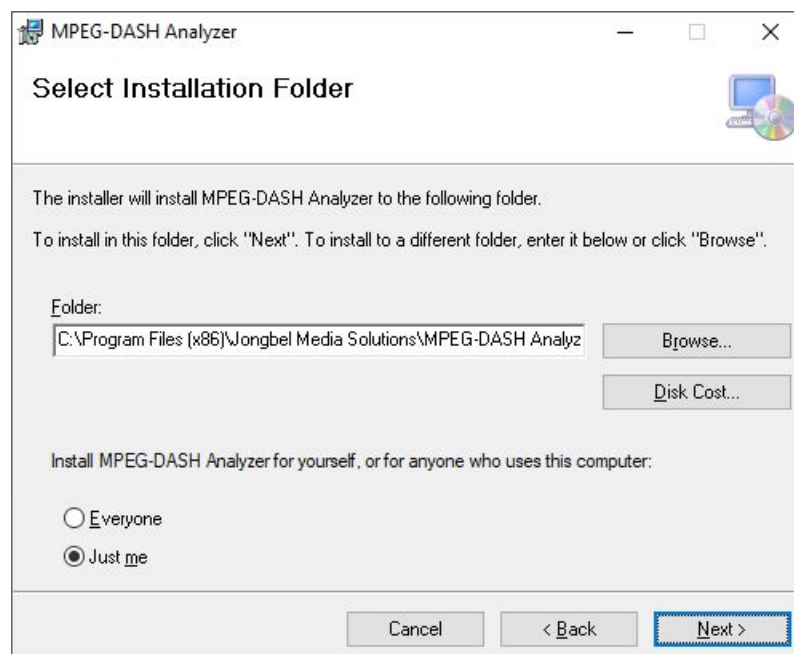
First a Welcome dialog pops up. Click “Next” in order to proceed.



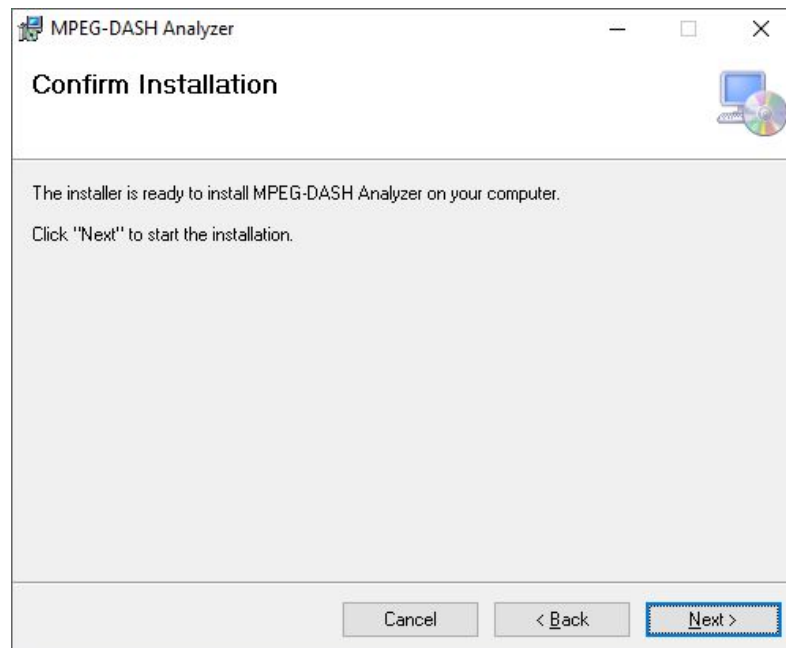
After this a License Agreement dialog pops up. Read the agreement carefully, select “I Agree” if you agree all the terms and click “Next” to proceed.



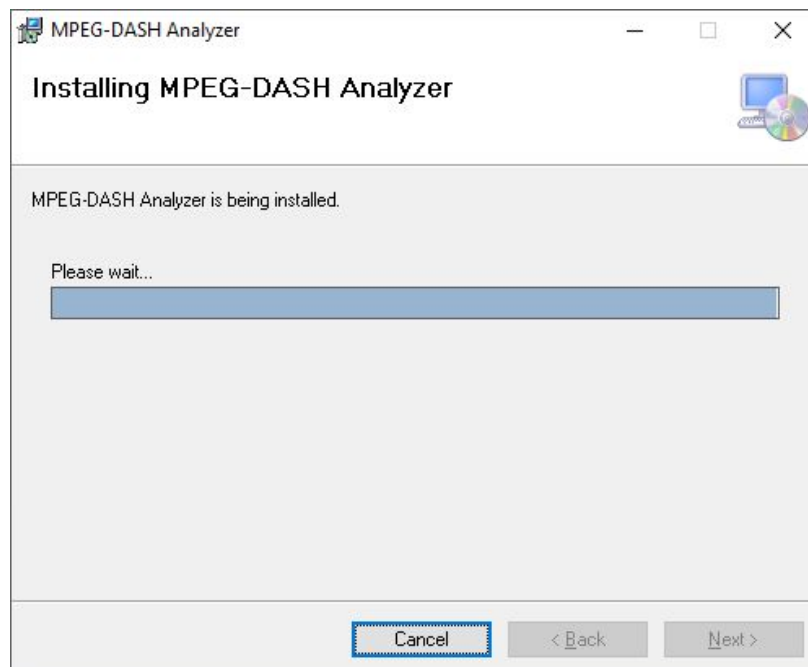
The next window shown specifies the installation product location and user access to the product. Change the destination product folder and user access if needed and click "Next" to proceed.



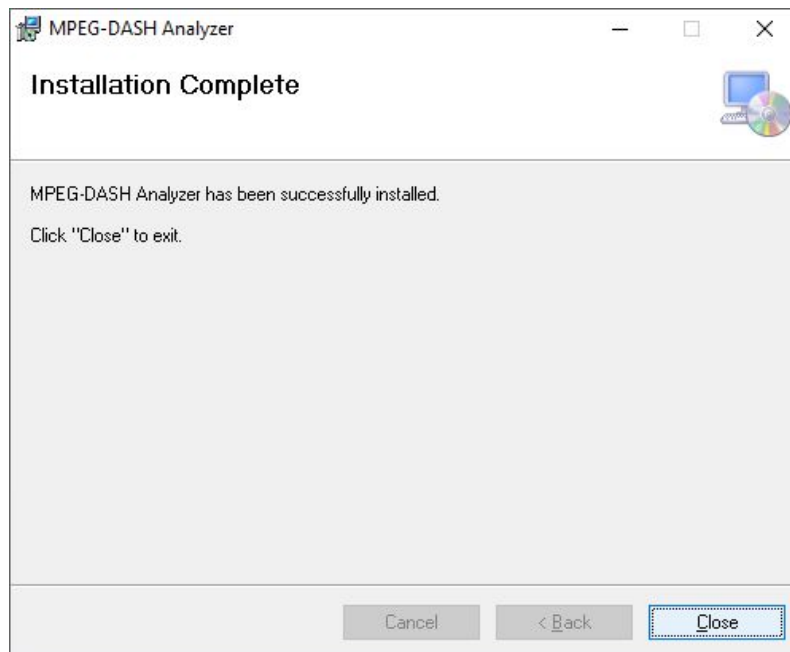
The next dialog is a confirmation dialog. Confirm by clicking "Next" in order to start the installation procedure.



While the product is being installed an “Installing” window shows the installation progress. Wait until the product is being installed.



At the end an “Installation Complete” dialog pops up, which denotes the successful HLS Analyzer installation. Click “Close” to finalize the process.



## 2.2 Uninstalling MPEG-DASH Analyzer

The application can be removed opening the Control Panel – Programs and Features. Select the **MPEG-DASH Analyzer** application and click Uninstall.

## 3. Functions

The following functions are available from the application **File** menu.

**Open** – Opens MPEG-DASH stream from a MPD manifest file. The segments stored along the MPD manifest must have same folder structure as described in the manifest.

**Load URL** – Loads MPEG-DASH stream from a URL. The MPEG-DASH stream can be unprotected or DRM protected.

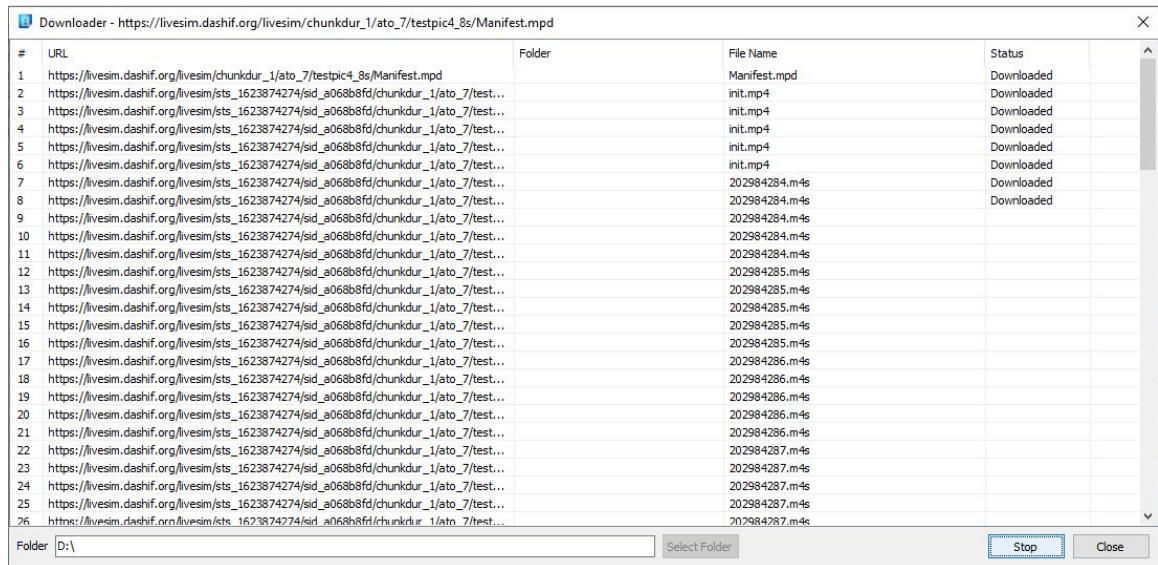
**Close** – Closes the loaded HLS stream.



**Exit** – Closes the application.

The following functions are available from the application **Tools** menu.

**Downloader** – Opens a Downloader tool.



After selecting a destination folder, using the **Select Folder** button, press **Start** to start the download process. The stream is downloaded in progressive way – first all playlists are downloaded, followed by the first segments from each layer.

The following functions are available from the application **Help** menu.

**Registration** – Opens the product registration form. This function is available only in the full licensed version of the product.

**Check For Updates** – Enables/Disables automatic check for updates.

**About** – Opens the About dialog box of the product.