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Media format conversion guideline (Tool: HandBrake)

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Due to hardware and performance restrictions, devices of the Coach Infotainment series (CIs) / smartInfotainment series (sIs) are unable to transcode a variety of video file formats available on the market. Therefore the multimedia must be pre-processed into a suitable format.

Goal of the step-by-step guideline is to re-encode video files of any quality (e.g. 4K resolution) into a suitable, compatible format for playback within the CIs / sIs.

Step	Name	Description
1.1	Download Instructions & Conversion Preset File	Go to https://www.bosch-professional-systems.com and download the media format conversion package relevant for your product platform: • Coach Infotainment series (CIs) • smartInfotainment series (sIs) The instructions are provided in *.pdf format and the conversion preset file in *.json format. Use a modern operating system (e.g. Windows 8.1+) or 7-Zip to extract the *.zip file. Use a modern web browser or the Adobe Acrobat Reader to open the *.pdf file.
1.2	Download, Install or Extract HandBrake	Please follow the download and installation guide provided by the developers of HandBrake: https://handbrake.fr/docs/en/latest/get-handbrake/download-and-install.html Go to https://handbrake.fr/downloads.php and download the version of HandBrake relevant for your platform. For Windows, preferably use the **64 bit Portable Zip**. This version will also run directly from an USB stick, without an installation.
2.1	Run HandBrake	Go to your installation directory (e.g. C:\Program Files\HandBrake) and select **HandBrake.exe** to run the application.

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Step	Name	Description
2.2	HandBrake Preferences	Go to "Tools" >> "Preferences" >> "Output Files" and set "MP4 File Extension" to "Always use MP4". Please use the "< Back" button to return to the start screen.

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Step	Name	Description
3	HandBrake Source Selection	Use one of the various variants to select files for conversion. The fastest approach is to put all files for conversion into a single directory and do a "Folder (Batch Scan)". Handbrake will take some time to pre-analyse the files regarding their encoder parameters and to generate preview images.
4	HandBrake Preset Selection	Import the conversion preset downloaded at step 1. Select the latest conversion preset downloaded at step 2.

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Step	Name	Description
		  For simplicity the next time you are going to prepare files for CIs/sIs compatibility: Make the conversion preset relevant to your use case to your default preset.
5	HandBrake Queue	To use HandBrake for file conversion, you will have to fill its queue with work items for each of your files. The fastest approach is to use the "Add All" function. For every file pre-loaded on source selection (step 4) an entry to convert the file according to the current preset will be created:

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Step	Name	Description
		  If everything worked, you will see that all of your files have been added to the queue:
6	Media Format Conversion	Because the conversion process may take a lot of time per file, it is recommended to open the "Queue" (1) window and start the encoding process from there via "Start Queue" (2). Every pending job inside the queue will be executed sequentially. By default, the output will be placed into your users profiles video directory (e.g. %USERPROFILE%\Videos).

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