



# COGO CODER

## User Manual 1.7

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## Installation

Request the COGO CODER Trial from [info@cogohd.com](mailto:info@cogohd.com). You will receive a link to download the install file. Run the .exe file to install. This will install a 15 day trial version that will watermark all encoded files with the COGO logo in the upper left corner. This version includes all resolutions available in the unlimited version of our software.

## Menu and toolbar

### Add Files

The Add Files function can be accessed from the file menu or the Add File button on the toolbar. This allows adding of individual video files to the que for transcoding.

### Apply All

The apply all function can be accessed from the toolbar. This button applies the same profile to each video in the que for transcoding.

### Start

The Start function can be accessed from the Transcode menu or the Start button on the toolbar. This will begin transcoding the files in the que one after the other.

### Stop

The Stop function can be accessed from the Transcode menu or the Stop button on the toolbar. This will Stop all transcoding in progress. The file being transcoded will be available in the Destination folder but will end at the point the transcoding was stopped.

### Import

The import function can be accessed from the Task menu or the Import button on the toolbar. This allows for importing of a video list for the queue.

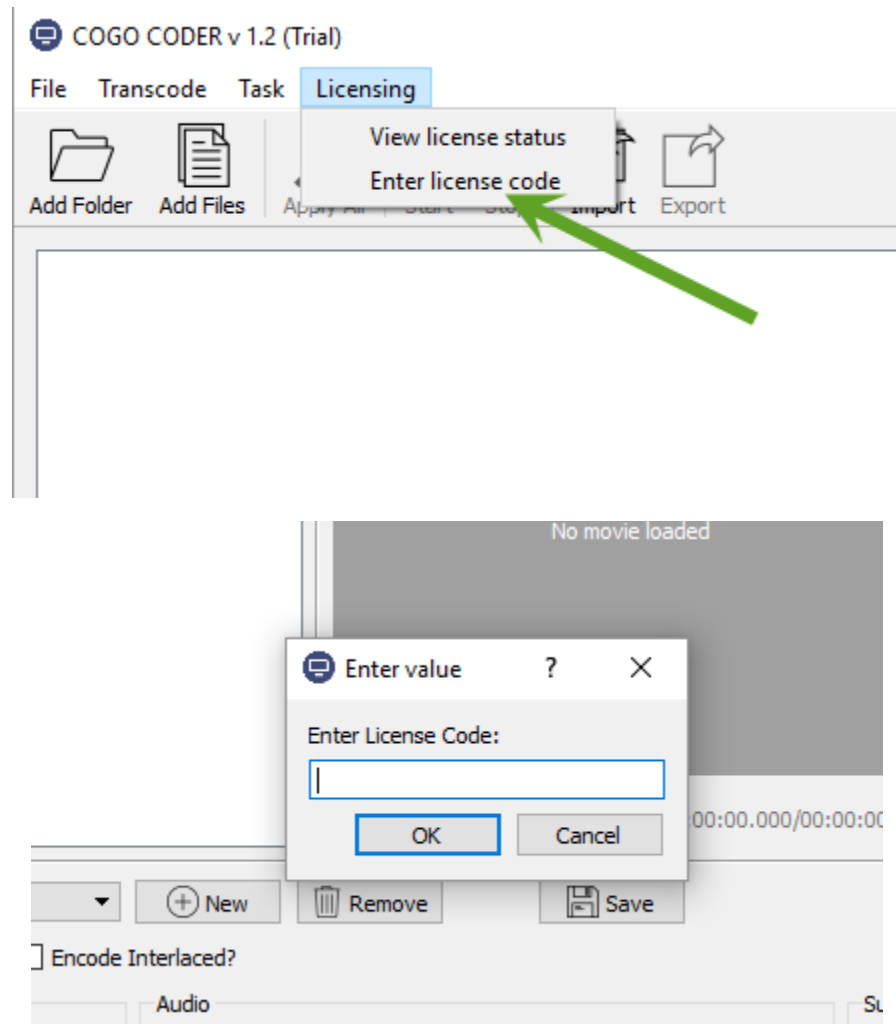
### Export

The export function can be accessed from the Task menu or the Export button on the toolbar. This allows exporting of the current list of videos files in the queue.

## Licensing

### Entering a License code

Once installed if you have a license key you can enter it in the enter license code dialog box found by clicking the enter license code menu item.



## Profiles

### Profile

Profiles allow application of transcoding settings to each file in the queue for transcoding. You can apply a different profile to each file in the queue, the same profile to every file, or any combination of profiles for files in the queue. To apply 2 different profiles to one file just add the file to the queue twice and apply the desired profile.

### Creating a Profile

To create a profile select your settings for format (at present mp4 and ts are the only formats available, more may be added in the future), reporting (PSNR, SSIM), interlace, Video, Audio, and Subtitle.

Once you have all the desired settings click the New button and type in a name for your new profile. Now that profile can be applied to any video file added to the queue by selecting the files in the queue then selecting the desired profile. If you want to make changes to a profile, select the profile from the dropdown list, make changes to the settings and then click the save button.

The screenshot shows a software interface for creating or editing a transcoding profile. At the top, there's a 'Profile' dropdown menu set to 'Video - COGOH264 + AAC (MP4)', with buttons for '+ New', 'Remove', and 'Save'. A 'Total Time 0%' indicator is on the right. Below this, the 'Format' is set to 'mp4', and checkboxes for 'PSNR', 'SSIM', 'Deinterlace?', and 'Encode Interlaced?' are visible. The interface is divided into three main sections: 'Video', 'Audio', and 'Subtitle'. The 'Video' section includes a checkbox for '#0 h264, yuv420p, 3840x2160, 12811kb/s, 30i', a codec dropdown set to 'COGO H264', a bitrate slider with 'selected: 8000k', and dropdowns for 'Framerate' (same as source) and 'Resolution' (same as source). The 'Audio' section has a checkbox for '#0:1 aac, 48000Hz, stereo, fltp, 128kb/s', a codec dropdown set to 'libfdk aac', a bitrate slider with 'selected: 120k', and dropdowns for 'Samplerate' (48000) and 'Channels' (2). The 'Subtitle' section has a large empty text box and a 'Codec' dropdown set to 'default'. At the bottom, a 'Destination' field shows 'C:/Users/mtull/Videos' with a 'Choose' button.

Section	Setting	Value
Profile	Profile	Video - COGOH264 + AAC (MP4)
Format	Format	mp4
PSNR	PSNR	<input checked="" type="checkbox"/>
SSIM	SSIM	<input checked="" type="checkbox"/>
Deinterlace?	Deinterlace?	<input type="checkbox"/>
Encode Interlaced?	Encode Interlaced?	<input type="checkbox"/>
Video	#0 h264, yuv420p, 3840x2160, 12811kb/s, 30i	<input checked="" type="checkbox"/>
Video	Codec	COGO H264
Video	Bitrate	selected: 8000k
Video	Framerate	same as source
Video	Resolution	same as source
Audio	#0:1 aac, 48000Hz, stereo, fltp, 128kb/s	<input checked="" type="checkbox"/>
Audio	Codec	libfdk aac
Audio	Bitrate	selected: 120k
Audio	Samplerate	48000
Audio	Channels	2
Subtitle	Subtitle	
Subtitle	Codec	default
Destination	Destination	C:/Users/mtull/Videos

## Video Setting

### Video

Video settings for the current select file in the queue are displayed here. If you wish to encode audio only you can deselect the check box in this section.

### Codec

Select the desired video codec, COGO H264 or COGO H265

### Bitrate

Use the slider to choose the desired bitrate for the chosen profile. Recommended bitrates for COGO H264 are;

320X180	256 Kbps
640X360	512 Kbps
960X540	900 Kbps
1280X720	2 Mbps
1920X1080	3 Mbps
2560X1440	6 Mbps
3840X2160	8 Mbps

Recommended bitrates for H265 have not been determined at this time.

### Framerate

This setting is normally best set as same as source, however you may choose a different framerate than the source file for encoding. This could cause timing issues with the audio in the finish file.

### Resolution

Select the desired resolution from the drop-down list for the selected file in the queue. Profiles can be saved with resolution and bitrate settings.

## Audio Settings

### Audio

Audio settings for the current selected file in the queue are displayed here. If you wish to do a video only encode you can deselect the check mark in the section.

### Codec

Select your desired audio codec from the drop-down list.

### Bitrate

Use the slider to set the bitrate for the selected file in the cue.

### Sample Rate

Choose your desired Sample Rate from the drop-down list.

### Channels

Choose the number of audio channels for the finished file.

## Subtitle Settings

**Subtitles are pass-through only.**