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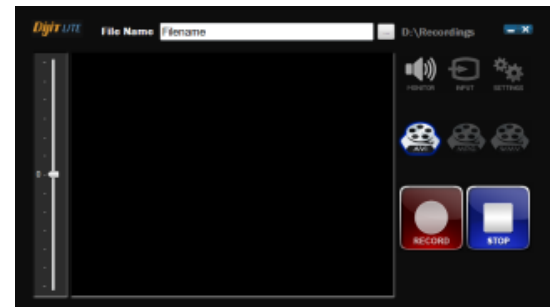
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USER GUIDE
V 1.0 June, 2011

OVERVIEW

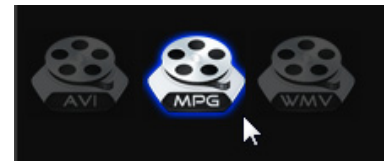
DIJIT LITE is a “powerfully simple” application for encoding SD or HD files with the touch of a button. Choose between MPEG-2, AVI (DV-25) and WMV file formats, with a robust range of selections that allow you to customize many of the encoding parameters.



QUICK START GUIDE TO ENCODING

(Connect a video/audio source to your input card)

1 Click the icon of the **FORMAT** you want to encode



2 Enter a descriptive **File Name**



3 Click the **RECORD** button



4 Click the **STOP** button when you're done



THE END

Now that you've mastered "How to Use DIJIT LITE" ... here is a look at the 'behind the scenes' settings and other program parameters.

Click the **SETTINGS** icon to open the primary settings configuration window. The open defaults to the **MPG** tab. Click on **WMV** or **AVI** to open those settings tabs.



SETTINGS: MPEG-2 Bitrate

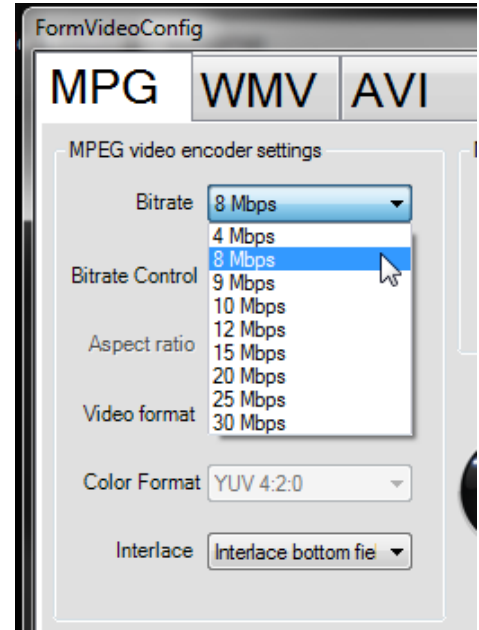
DIJIT LITE provides you with a large number of choices in defining the parameters of your encoding sessions.

The default settings are generally recommended as the most useful and widely accepted values in every case.

Click the **Bitrate** dropdown to select the desired rate in Megabits per second (Mbps).

8 Mbps is the default setting.

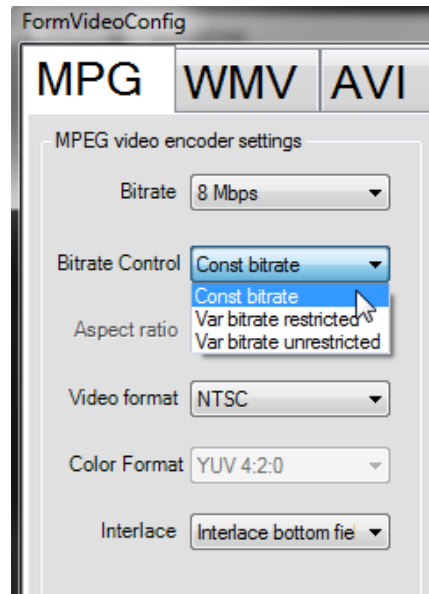
Note: *The higher the bitrate, the larger the created file will be. Although MPEG-2 is a highly compressed file format, in most cases 8 to 10 Mbps creates a file that is 'visually lossless' – meaning that you won't see a difference in overall quality between a file encoded at 8 Mbps and 20 Mbps. If the video you're encoding has a lot of motion ... typical of sporting events ... a higher bitrate will produce better results. Experiment with these settings to determine what you think looks best in your environment.*



SETTINGS: MPEG-2 Bitrate Control

Click the **Bitrate Control** dropdown to choose between Constant bitrate and Variable bitrate. For most 'broadcast' video servers, Constant bitrate is preferred. It generally provides the best, most consistent quality in your playback file. Although it generates a file that is typically larger than a file encoded with Variable bitrate, it is recommended that you use Constant bitrate for your encode sessions.

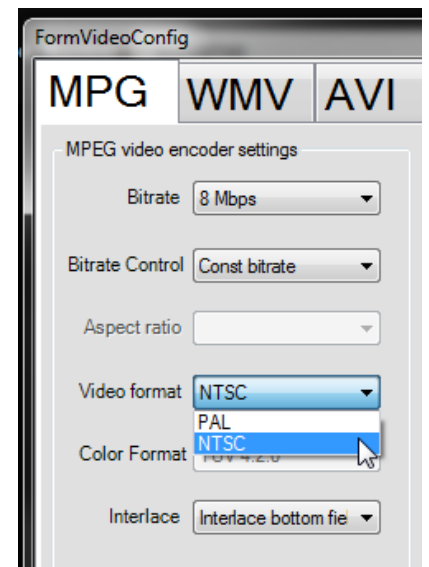
Constant bitrate is the default setting.



SETTINGS: Video format

Click the **Video format** dropdown to choose between NTSC and PAL. NTSC is the format used in North America, and PAL is most often used in Europe and many Asian countries.

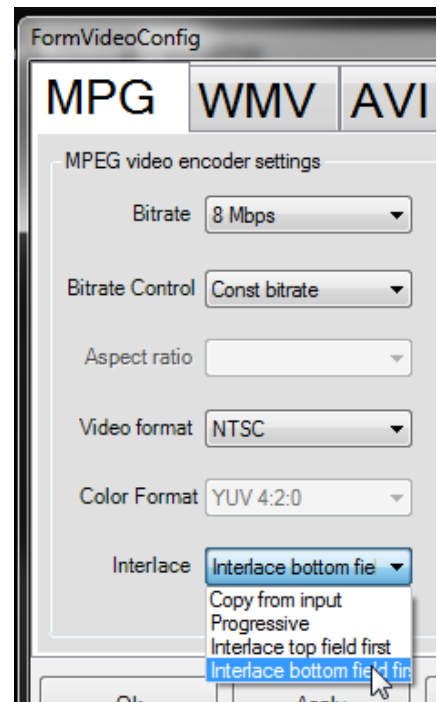
NTSC is the default setting.



SETTINGS: Interlace

Click the **Interlace** dropdown to choose the type of interlace for your encoding session.

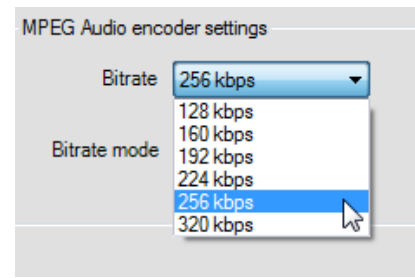
Interlace bottom field first is the default setting.



SETTINGS: MPEG Audio Bitrate

Click the **Bitrate** dropdown to choose the rate for the audio portion of the MPEG file.

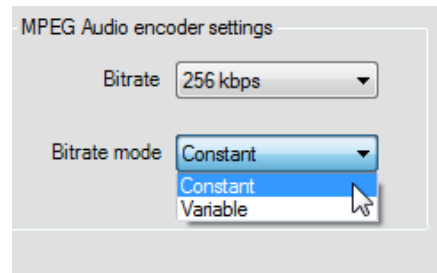
256 kpbs is the default setting.



SETTINGS: MPEG Audio Bitrate Mode

Click the **Bitrate mode** dropdown to choose the mode for the audio portion of the MPEG file.

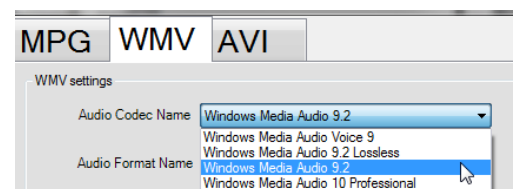
Constant is the default setting.



SETTINGS: WMV Audio Codec Name

Click the **Audio Codec Name** dropdown to choose the codec for the audio portion of the WMV file.

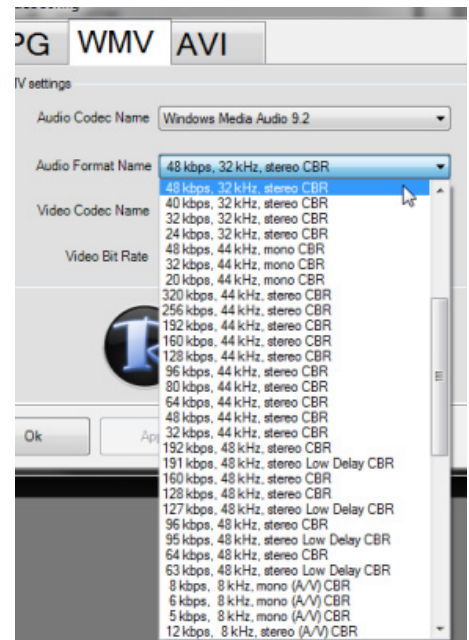
Windows Media Audio 9.2 is the default setting.



SETTINGS: WMV Audio Format Name

Click the **Audio Format Name** dropdown to choose the format for the audio portion of the WMV file.

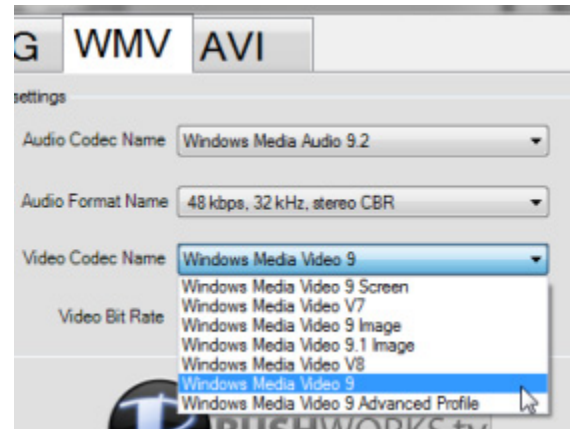
48 kbps, 32kHz, stereo CBR is the default setting.



SETTINGS: WMV Video Codec Name

Click the **Video Codec Name** dropdown to choose the codec for encoding the video portion of the WMV file.

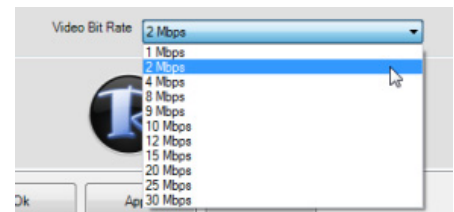
Windows Media Video 9 is the default setting.



SETTINGS: WMV Video Bit Rate

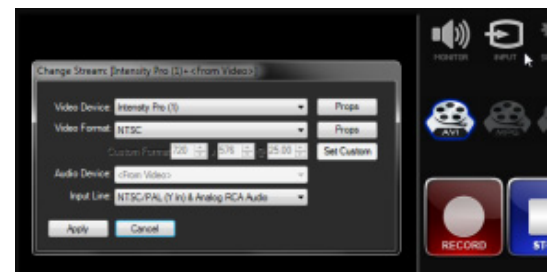
Click the **Video Bit Rate** dropdown to choose the bitrate for the video portion of the WMV file.

2 Mbps is the default setting.



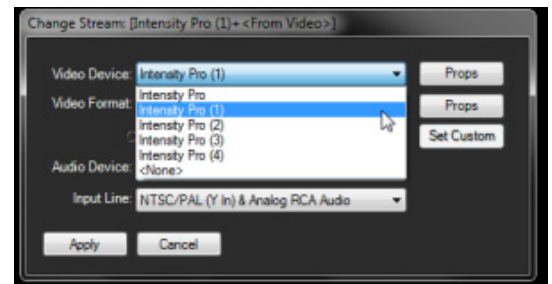
INPUT: View and Edit Input Card Properties

Click the **INPUT** icon to open the window for selecting, viewing and editing the configuration properties of any input devices (video cards) you are using to capture your video source.



INPUT: Video Device

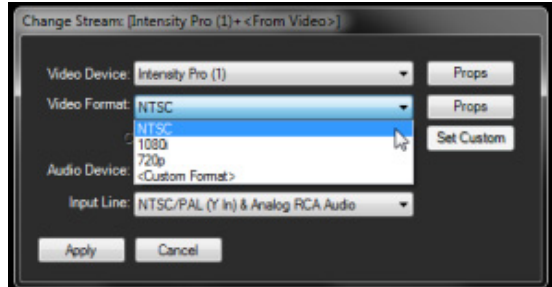
Click the **Video Device** dropdown to select from a list of configured input devices. In this example there are a total of five (5) Blackmagic Intensity Pro cards configured in the system.



INPUT: Video Format

Click the **Video Format** dropdown to select the format of the file you want to encode. This card is capable of encoding **Standard Definition** (NTSC), and **High Definition** (1080i / 720p).

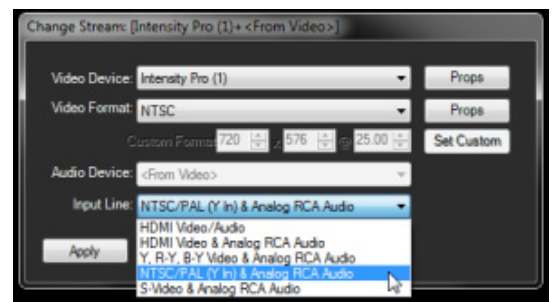
NTSC is the default setting for this card.



INPUT: Input Line

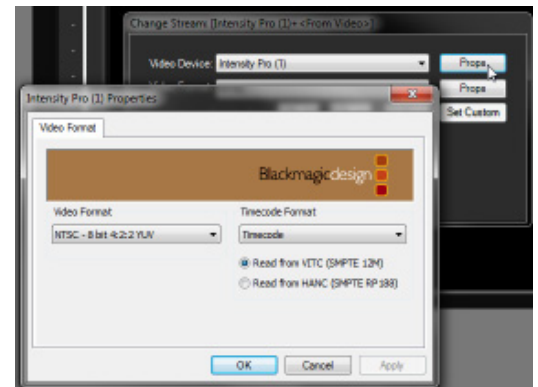
Click the **Input Line** dropdown to select which type of cable connection you want to use. This is dependent on the number and types of inputs are available on the particular input card you are using,

NTSC/PAL (Y in) is the default setting for this card.



INPUT: Video Device Props (Properties)

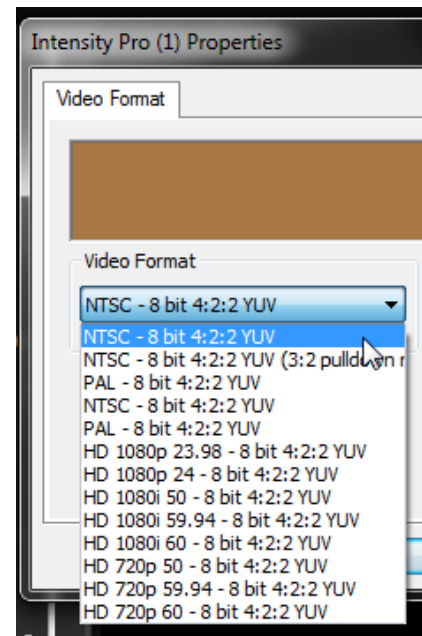
Click the Video Device **Props** button to open the Properties window for the selected input card.



INPUT: Video Device Props / Video Format

Click the **Video Format** dropdown to select encoding format you want to use. The number of choices you'll see is dependent upon the particular input card you are using,

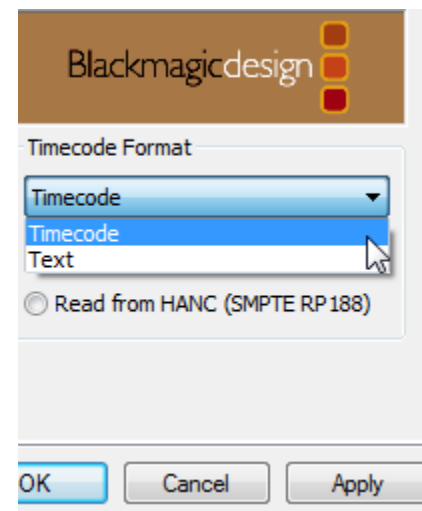
NTSC – 8 bit 4:2:2 YUV is the default for the Intensity Pro card.



INPUT: Video Device Props / Timecode Format

Click the **Timecode Format** dropdown to select the timecode format you want to use.

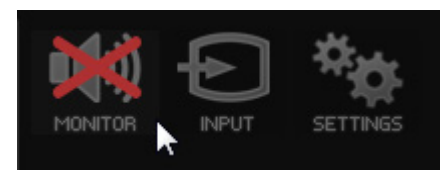
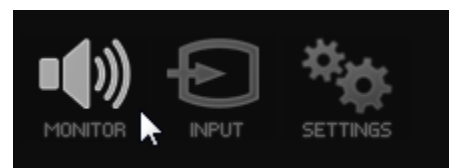
Timecode is the default for the Intensity Pro card.



Monitoring Input Audio

By default, you can monitor the audio on the input card while you're setting up and encoding. The speaker icon is highlighted, indicating monitoring is active.

If you wish to mute the audio, just click the speaker icon. It will dim, and display a red X indicating the audio is muted. This does NOT affect the encoding of the audio – only the monitoring of the input signal. Click it again to enable monitoring.





Selecting a File Format for Encoding

The file formats available for encoding are displayed in a row on the interface. Simply click once on the **Video Format** dropdown to select the file format you want to encode. The number of choices you'll see is dependent upon the particular input card you are using. The selected format will always be highlighted.

Using the Input Audio Level Control

This vertical slider controls the input level of the signal connected to the active input card. The 0 position indicates a nominal -10dB, unbalanced signal (RCA line input level).

There are two green audio level indicators that overlay the input monitoring screen. These show the Left and Right audio levels. Moving this slider affects both Left and Right audio inputs (stereo) with the same amount of level increase and reduction.

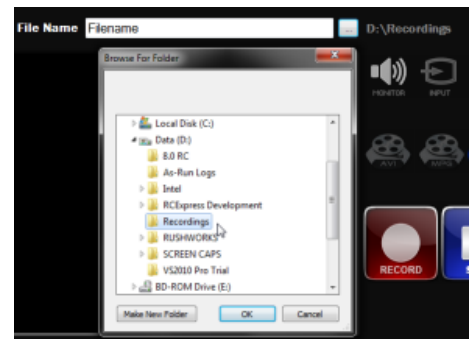


Naming and Auto-Saving the Recording: Default File Name

The default file path for recorded files is to a folder called Recordings at the root of the D: drive. The current file path is always displayed to the right of the File Name and Browser button, as indicated above.

Opening the Browse window

If you click the Browse button (with the ellipses), it will open a browse window where you **Save** the file to any selected location on your system. The Recordings folder is shown selected in this example.



Naming and Auto-Saving the Recording: Date/Time Stamp

If you don't change the default name, then "Filename" will be saved as the first part of the file name, so be sure to give the file a simple and descriptive name BEFORE you click the RECORD button to begin the session.

In any case, a **date/time stamp** is automatically appended to the file name, as shown in the example below.

The stamp format is **YYYY MMDD HHMMSS**.

Name	Date	Type	Size	Length
Filename 2011 0625 105233.mpg	6/25/2011 10:52 AM	Movie Clip	47,554 KB	00:00:44
Weekly Meeting 2011 0625 105520.mpg	6/25/2011 10:55 AM	Movie Clip	14,536 KB	00:00:13

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