

# Chapter

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# 6

## *Publishing Analysis*



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# 1 Publishing analysis

The result of your analysis can be shared in different formats to different destinations:

- A *MediaBook* containing video clips, key frames, text and audio comments and drawings can be published to a range of destinations including CD ROM, email, internet and Dartfish Online.
- A new *Movie* comprising each of the analyses loaded into the *Storyboard* can be created.
- The *Picture* at each key position can be saved as a picture file or printed. Additionally, any frame of video displayed in the *Player* or *Analyzer* modules can be saved as a *Snapshot* picture.
- *Analysis Recorder* - creation of a video clip and voice sound-track analysis as it happens.

Read the chapter [Analyzing Performance](#) to learn how to use the different analysis tools.

## 1.1 Producing MediaBooks

A *MediaBook* allows you to share your analyses by packaging video, key positions, text and audio comments, and drawings together. Share *MediaBooks* using the Internet, CD or sending them by email.



The image above shows a *MediaBook* displayed as a web page in an Internet browser. It contains the following features:

- *Analysis Selection*: More than one analysis can feature in a *MediaBook*. Each item in the *Storyboard* is included (read the *Analyze Performance* chapter to learn more about the *Storyboard*).
- *Video Player*: Video clips are saved in Macromedia Flash format which can be viewed on most Windows computers. One video is generated for each *Storyboard* item. The player

controls allow clips to be played frame by frame and to play in a loop. For a larger image, it is also possible to play the clip full-screen using your Windows default Media Player.

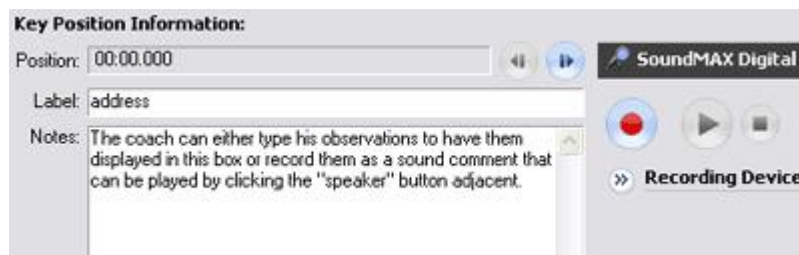
- *Key Positions Selection:* Click on a Key positions thumbnail to display the corresponding key position.

The key positions of all the clips in the *Analyzer* at publish time are included in the *MediaBook*. Select "A", "B", "C" etc. to display the corresponding list for each clip.

Analysis  A  B

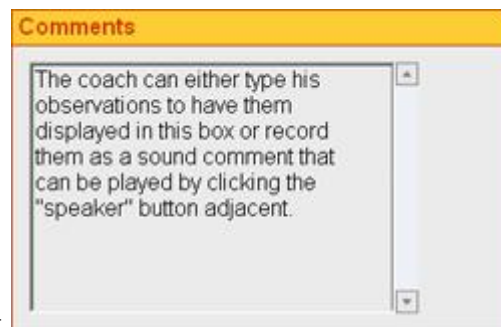
! There is no direct connection between the key positions and the video in the *Mediabook*. The *Video Player* is either used to display the key positions or the video. Clicking on a key position does not actually position the video and vice-versa, clicking on the *Play* button will always play the video from the beginning.

- *Comments:* The Analyzer allows you to type or record comments for each item in the *Storyboard* and to do the same for each key position. These are included in the *MediaBook*.



this Analyzer

comment...



...becomes this MediaBook comment

- *Slideshow View:* The *Slideshow View* displays the key positions as larger images and includes printing options for them.



- *Personalization:* The *MediaBook* can be personalized with your organization's logo or

perhaps a photograph of yourself. This can also be a link to your website.

### 1.1.1 Step1 - Select destination

Start the creation of a *MediaBook* by clicking the button to the right of the storyboard.



This displays the first step of the *MediaBook* wizard where the choice of publishing destinations is made. Your choices are shown below.



After making your choice of destination, click the *Next* button.

### 1.1.2 Step2 - Mediabook settings

A screenshot of the "Mediabook options" wizard screen. It contains several input fields and checkboxes:

- Mediabook file name:** "Golf mediabook2"
- Mediabook title (optional):** "Golf swing analysis"
- Your logo location (optional):** "C:\Documents and Settings\Product Marketing\My Doc" with a "Browse" button.
- Your web site address (optional):** "www.expertswing.com"
- Video options:** An unchecked checkbox "Add high quality fullscreen video".
- File options:** Two radio buttons: "Save Mediabook for use with DartViewer" (unchecked) and "Save Mediabook for use with Internet browser" (checked).

The *MediaBook* settings step is used to:

- Assign a *File name*. This will be used to name the *MediaBook* file(s).
- Personalize the *MediaBook*: The *MediaBook* can optionally be personalized with your logo and website address. You will also want to include a title that will appear at the top of the *MediaBook*.
- *Add high quality fullscreen video*: It is possible to include an external Windows Media video with the *MediaBook*; these will be played using Windows Media Player and not the *MediaBook*. This function may not be desirable if the size of the *MediaBook* is important, for example if being sent by email.
- Choose *File Options*: These choice of file option is only available if the *MediaBook* is being published to the "My Computer" option, otherwise the most appropriate option will be used according to the destination selected in the first step of the wizard.

If the *MediaBook* is saved for *use with Dartviewer*, all files are packaged together into a single file which can be read and displayed by the Dartviewer freeware software.

Dartviewer is automatically installed on all computers with Dartfish but for non-Dartfish users, Dartviewer can be included with the *MediaBook* or downloaded from the Dartfish website. This option is automatically used for CD/DVD and emailed *MediaBooks*.



If the *MediaBook* is saved for *use with an Internet browser*, an HTML file is created with the additional files required to create the page also added into a separate folder. This option is automatically used with *MediaBooks* for the internet.



### 1.1.3 Step3 - Video settings

**Settings for Mediabook video:**

Select the encoding profile:

Flash high quality ▼

Description: High Quality Flash format for Mediabook publication.

**Settings for high quality fullscreen video:**


Select the encoding profile:

Windows Media for CD ▼

Description: High quality Windows Media format recommended for best playback from CD or DVD.

[Edit the profiles](#)

This step allows you to select a Flash encoding profile for the *MediaBook* and, if the "include high-quality, fullscreen video option" was selected in the previous step, you can also select a Windows Media encoding profile for those videos.

 Encoding profiles compress the original video files substantially from the original AVI video that is captured from your video camera. The amount of compression depends on the profile chosen. Click the *Edit the profiles* link to get information on the relative file sizes.

### 1.1.4 Step3 - Preview

Step 3 of the wizard also allows you to preview the choices you have made in the previous steps, including your personalization's and the quality of compressed video files.

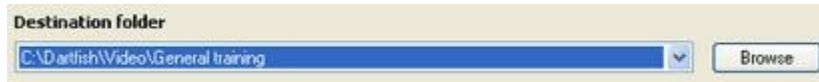
To see a preview, click the *Preview* button. The preview will be displayed in your Browser or in Dartviewer depending on the choices made.

### 1.1.5 Step4 - Publishing

The publishing step will depend on the destination.

#### My Computer

Choose or browse for the file location where the *MediaBook* will be saved.



#### Email

There are no further choices. The files will be processed and a message displayed when this has completed.



You may choose to attach the Dartviewer freeware to the email if it is being sent to recipients who has not previously installed Dartviewer. They will receive instructions on how to install Dartviewer.



#### CD/DVD

Final information about the CD/DVD burner to be used and a disc label are provided. Clicking the *Next* button will "burn" the CD or DVD.

#### Internet

An FTP profile is selected in this step and, if necessary, a password is entered. Clicking the *Next* button will publish the *MediaBook* files to the selected FTP site so you should establish a connection to the internet before doing so. Click the *New* button to create a new FTP profile. Your network administrator or website host must provide you with this information.

#### Dartfish Online

Dartfish offers a subscription-based internet publishing location. This means that you don't have to have access to your own web server or have website creation skills to be able to publish to the internet. As a subscriber you can log on to view and publish your athlete's *MediaBooks*. When the athlete logs on, they will only be able to see their own analyses but the site becomes a history of all analysis on them. Visit <http://www.dartfishonline.com> for more information.

## 1.2 Saving movies from the Analyzer

New movies can be produced featuring all the contents of the Analyzer *Storyboard*. With this functionality, Dartfish can be simple video editing software in that it is being used to join separate clips together, but even with just a single analysis the movie saved will reflect the content of that analysis including:

- Drawings
- Split screen or blended comparisons
- Cue in/cue out positions

Click the *Movie* button to turn the storyboard into a movie.



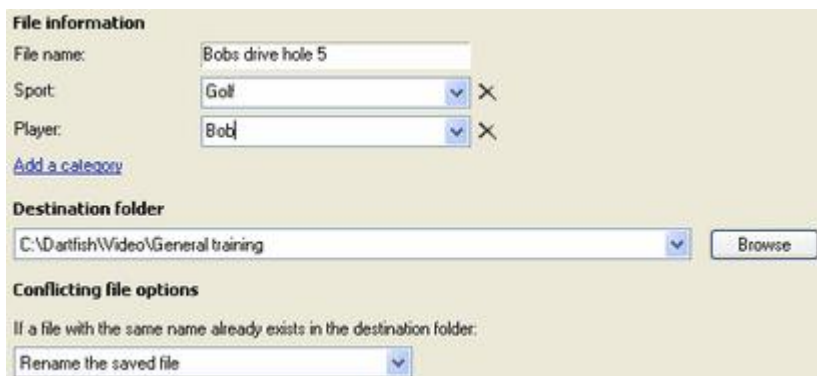
### 1.2.1 Step1 - Video settings

The first step is to choose an encoding profile. If this is changed from DV, the resulting video will be compressed but will lose some image quality.



! The encoding profiles include half and quarter speed profiles which allow you to produce video which will play back in slow motion.

### 1.2.2 Step2 - File information



In this step, a *File name* and *Destination folder* is assigned to the new video clip. The *Conflicting file options* choice defines whether existing files with the same name should be replaced or whether the new file will be renamed. If a file does get renamed it will be suffixed with a number. In the example above the new video clip would be called "Bobs drive hole 5(2)"

Categorization of new video clips

Users of the Category/Value file management system will be please to see that video files can be categorized as they are saved. The method of building and using a form is identical to that used for capturing video files with the DV Import or InTheAction modules. Refer to those chapters for further information.

## 1.3 Creating still images

Key positions can be printed or saved as still images.

Click the *Pictures* button to the right hand side of the *Storyboard* to publish *Key Positions* as still images.



You can publish pictures to the following destinations:

- Printer. Dartfish offers a choice of layout templates to print images. Some include the notes and title information.
- My Computer. Save images as image files to a location on your computer.
- Email. Images will be attached to a new email using your default email program.



Select a destination and click the *Next* button.

### 1.3.1 Saving pictures to 'My Computer'

Similar to other Dartfish processes where files are saved, you will assign a *File name* and *Destination folder* to the images and optionally the images can be categorized (see below).

Click the net button to save the image files. By default they will be 720x576 pixel JPEG images (or 720x480 for NTSC video).

Categorization of images

Your pictures can be categorized as they are saved. In the example below the file is named but can also be filed under values in the categories of Sport, Player and Club. The method of building and using a form is identical to that used for capturing video files with the DV Import or InTheAction modules. Refer to those chapters for further information.

**File information**

File name:

Sport:

Player:

Club:

[Add a category](#)

**Destination folder**

### 1.3.2 Attaching pictures to email

There are no further steps to attaching pictures to email

To...

Cc...

Subject:

Attach...   Discus Bernhult.wmv (90 KB);   Discus Bernhult.wmv.dartclip (3 KB)

! Only email software like Outlook and Outlook Express can be used. If you use another type of email such as AOL or web based email like Hotmail, YahooMail etc then you should save the pictures using the 'My Computer' option and attach them through the software or website itself.

### 1.3.3 Printing Pictures

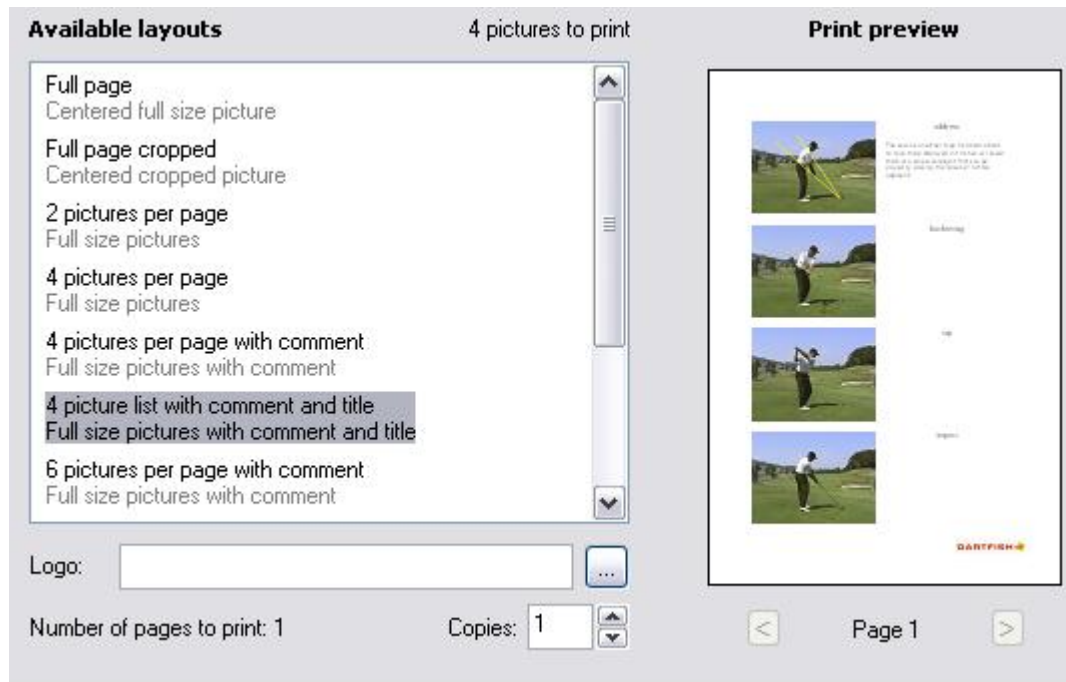
Two steps are required to print your pictures. In the first, the printer you wish to use will be selected. select

Which printer do you want to use?

Your prints will look best if you select the correct paper before printing.  
To select paper, click Printing Preferences.

The printing preferences button opens the print settings button for the type of printer you use. The choices available depend on your printer and you should refer to your printer's documentation if further explanation is required. You will be able to use these preferences to choose a print quality and a paper type; these are especially important choices if photo-quality paper is being used.

Click the *Next* button to continue...



Before printing, choose from one of a number of layouts. The preview gives an indication of the layout but not the quality of the printed page. Note that both the label and notes information for each picture can be included on the page.

Clicking the *Print* button will print the images according to the chosen layout.

### 1.3.4 Snapshot images

All Dartfish modules with video playing capability offer a *Snapshot* tool which can be found below the video display.



The Snapshot tool is used to create a still image from the current video display. Use it in the following ways:

- Click the button to save the current image as a BMP (or JPEG) file to your computer.
- Click while holding the control key (ctrl) on the keyboard to copy the image to the MS Windows clipboard. Now it can be pasted into any other application supporting copy/paste of images. For example, you could use this to insert an image onto a MS PowerPoint slide.

## 1.4 Recording analysis

The other publish tools covered in this chapter provide various methods of sharing analysis with others. Of course, the actual process of using the Analyzer can itself be an invaluable feedback tool when its tools are used to illustrate and compare performance. This is the reason behind the *Analysis Recorder*; it is a method of making a real time recording of your use of the Analyzer and including your voice as a sound track to the resulting WMV video.

To appreciate the value of analysis recording, imagine sitting with an athlete and using the Analyzer's features to explain the latest skill he/she is attempting to master. If you imagine that you could film your use of the Analyzer and include a commentary of your coaching then you would be very close to the functionality of the *Analysis Recorder*.

### 1.4.1 Enabling the Analysis Recorder

Start by selecting the *Analysis Recorder* tab and selecting the *Enable Recorder* option.



This results in new controls, *Record* and *Pause Recording* appearing in the Analyzer's video playback controls.

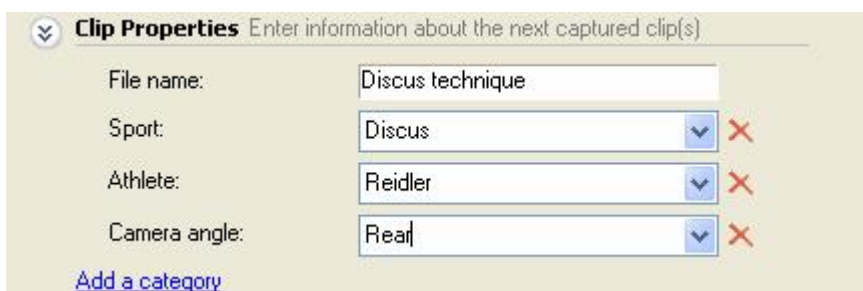


### 1.4.2 Setting clip properties

Because, the Analysis Recorder creates a new video clip, a file name should be provided for it. If left blank, the file will be given the name "Untitled(x)".



Setting clip properties also allows you to create a form that will let you categorize the new video using Dartfish's Category/Value video management system. The use and creation of the Analysis Recorder's Clip Properties form is identical to that used for all Dartfish's Capture tools (see [Capture from camera](#) in the *Video Library* chapter). A form such as that shown below is used to "label" the clip appropriately making it easy to find in the *Items List* by selecting any combination of the values entered.



### 1.4.3 Other clip properties

In addition to file name and category/value for each clip you will also want to define the quality of the final video by choosing an appropriate encoding profile and the file location for the end result.

Encoding profile

The encoding profile selected defines how much the video will be compressed. Selecting an appropriate encoding profile is a trade off between the size of the resulting file and its image quality, for example, you are unlikely to want to send extremely large files by email.



There are three profiles, high, medium and low quality, specifically created for the Analysis Recorder. The principal difference between these is in the number of frames per second.

#### Capture Location

The capture location defines where the Analysis recorder video will be saved in the Windows folder system. Remember that this should be included Library if this file is to be visible when using the Category/Value video management system.

The links provided allow you to select a new capture location and to open that location.



### 1.4.4 Setting recording device

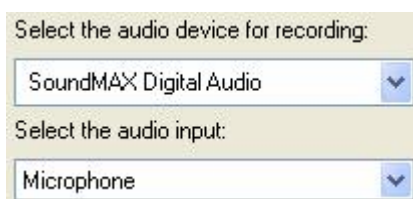
In this case, the recording device is being used to record an audio commentary and NOT to capture new video from a camera. Select a sound recording device from the list.



It may be possible to choose between more than one device, for example a built-in or external microphone on your computer or, if it is connected and switched on, your video camera.



If you select your computer's sound card from the list you will be offered a further choice of audio inputs that connect to the sound card. The link to "Configure the device" allows you to set recording levels for that device.



### 1.4.5 Using the Analysis Recorder

Start recording using the *Record* button.



Then, imagining that the athlete(s) you are analyzing are sitting next to you (perhaps they are), use the Analyzer's comparison and drawing tools to explain and illustrate your analysis while recording your comments and advice. Everything you do on the video screen and everything you say will be recorded as a new video clip.

If you need to pause recording to exclude anything that you don't want to include on the final

recording, click the *Pause* button.

When your analysis is complete, remember to stop recording by clicking the *Stop Recording* button.



The resulting video clip be saved on your computer and will appear in the *Tray* ready to be played or shared.



You should remember that lengthy analyses will create large video files. Here are some preparation ideas to help you make your presentation efficient and succinct:

- Open the video clips to be used in the analysis into the *Story Board* or the *Tray*.
- Trim video clips to show the relevant part. You could also zoom and flip and synchronize them in advance as appropriate.
- Create key positions complete with drawings.

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