

Volleyball

ACE

SOFTWARE

**USER'S GUIDE
SUPPLEMENT FOR
HUDL
VIDEO CONNECTION**



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If you have any questions about this manual contact:

Dimensional Software

P.O. Box 1103

Los Altos, California 94023-1103

U.S.A.

web: www.ace4vb.com

Volleyball Ace Hudl Video Connection

Background

The purpose of recording time codes in volleyball stat data is so that the stats can be synchronized with video. The combination of time codes and stat information recorded in Volleyball Ace and the power of Hudl give coaches the ability to select portions of recorded volleyball video to be reviewed based on whatever stat was recorded.

Volleyball Ace for Apple iPads/iPhones has an option to automatically record time codes when doing stats. Volleyball Ace records the time at which each touch is done as stats are being recorded. These time codes are saved with the rest of the stat data in Volleyball Ace set stat files.

At the same time that the stats are being recorded, a video of the match is recorded using a digital video camera.

When the match is over and the stats have been saved, they can be used to create the Hudl tag file. Once the video has been uploaded to Hudl, the tag file with stats and time codes can be uploaded. Once this is done, segments of video can be selected for display by tapping on a stat report.

Note that Hudl tag files can be created either by Volleyball Ace or by the Strategic Analyzer (using uploaded set stat files).

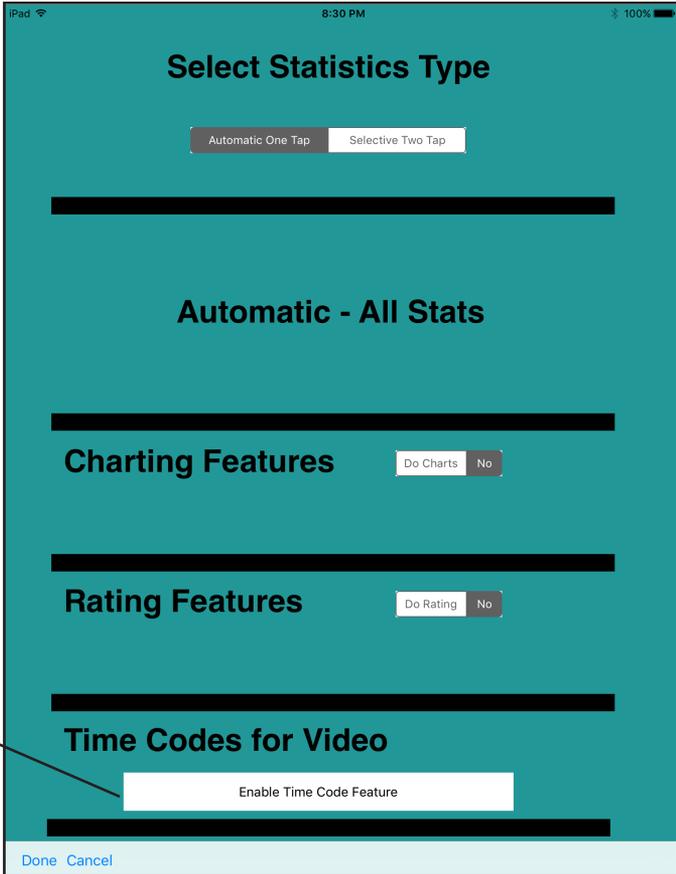
This document describes this in detail.

Hudl Video Connection

Time Code Recording: Apple “In App Purchase”

Time code recording in Volleyball Ace is an “In-app purchase feature,” which means that it must be purchased in order to be used. This purchase is done through the Apple App Store.

To purchase time code recording, tap on the “Enable Time Code Feature” button on the Stat Type screen:



Enable
time code
feature

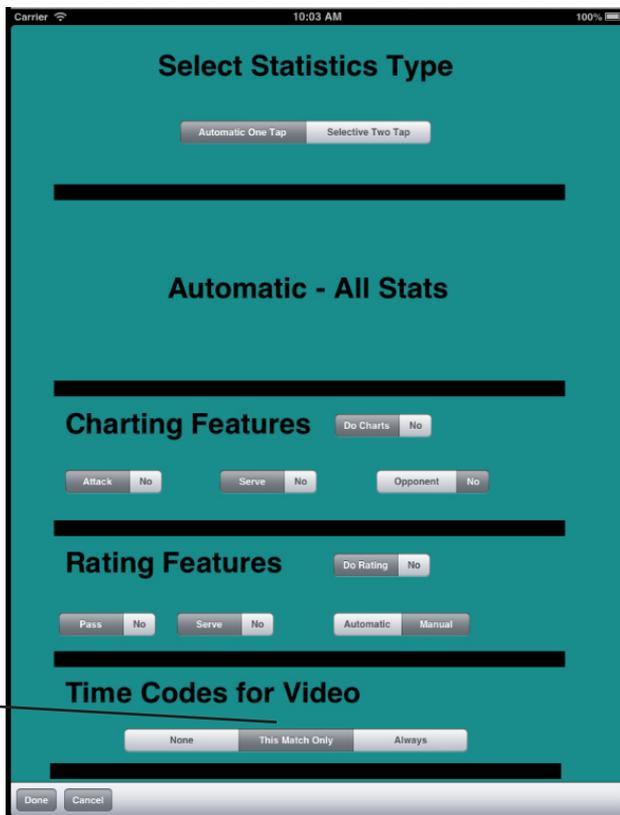
For In-app purchases, Volleyball Ace connects to the App Store. Enter your Apple ID and password to make the purchase. Note that you must be able to connect with the App Store over a Wifi or other connection.

Hudl Video Connection



Set Video Time Code Recording Option

Select the option to record video time codes at the bottom of the Stat Type screen:



Select time code recording

Hudl Video Connection

Start the Video Camera and Stat Recording

When the lineups have been entered in Volleyball Ace and the match is ready to begin, start the video camera recording and tap on the Start Set button in Volleyball Ace. Note that if a libero is brought into the game before the first serve, tap on the start set button before the replacement takes place, as it is part of the set.

Note that Hudl works with video for an entire match, so it is a good idea to record the entire match without stopping the camera. Alternately, sets can be recorded as separate video clips and then combined using external video manipulation tools.

Volleyball Ace records one set at a time, and saves each set individually. However, because it keeps track of the time that each set begins, multiple sets can be combined so that an entire match can be synced with recorded video using Hudl.

Record Stats for the Set

Record stats for the set using Volleyball Ace in the normal fashion. You should not see any difference in how Volleyball Ace works, except for the presence of the recording symbol in the upper right-hand corner of the main court screen.



Note that if the recording symbol is not shown on the main screen, then video is not being recorded.

When the set is done, save the stats. Tap on the Next button to enter the lineup for the next set. When the set is ready to begin, tap on the Start Set button. Repeat until the match is over.

Hudl Video Connection

When the Match is Over

When the match is complete, it is time to create the Hudl tag file. This can be done in one of two ways.

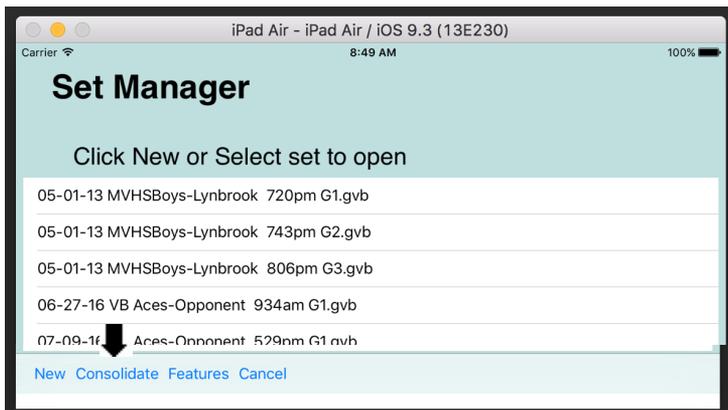
Method 1: The Hudl tag file can be created inside Volleyball Ace using the Consolidate feature. This is described in the next section.

Method 2: The Hudl tag file can also be created using the Volleyball Ace Strategic Analyzer on a desktop/laptop PC or Macintosh. This is described in the section, “Using the Strategic Analyzer to Create Hudl Tag Files”.

Using Volleyball Ace to Create Hudl Tag File

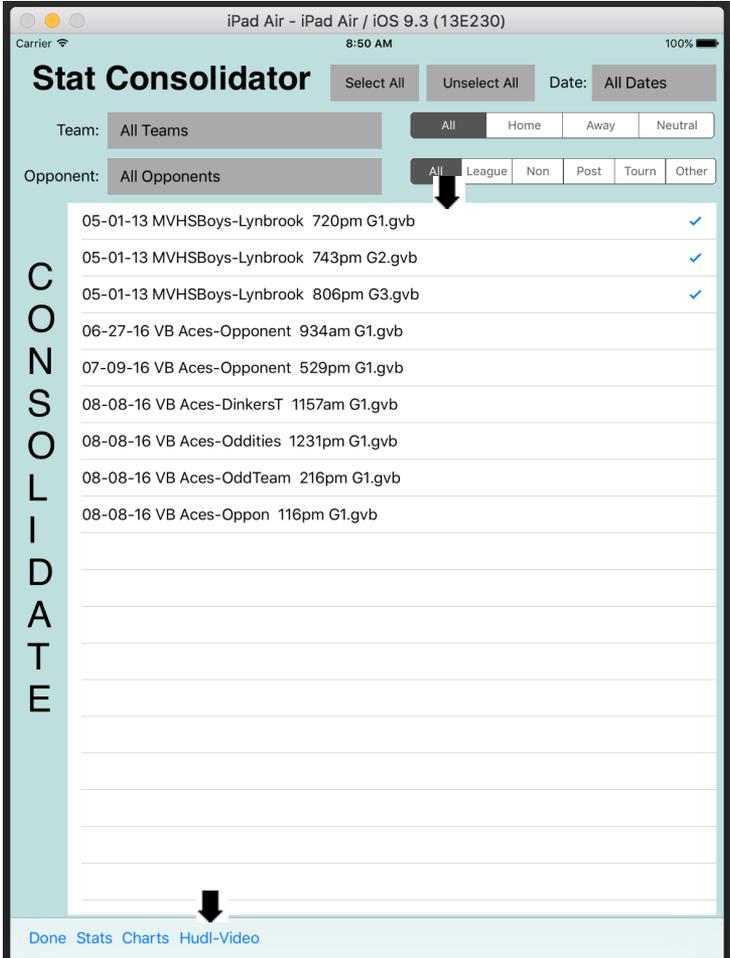
When you are done statting the match, make sure you have saved the last set of the match. Then move to the Set Manager screen by tapping on “Open” on the main court screen.

Volleyball Ace needs to use the “Consolidate” feature so that all of the sets of the match can be combined on the Hudl tag file. (Note: Consolidation is an In App Purchase feature.) Tap on the “Consolidate” item at the bottom of the Set Manager screen.



Hudl Video Connection

On the Consolidation screen, select each of the sets of the match by tapping on them.



Then tap on the Hudl Video option at the bottom of the screen. This brings up the Hudl Export screen (next page).

There are two sets of settings which we may want to change on the Hudl Export screen.

Hudl Video Connection

First, there is a switch to send the Hudl tag file via email. (This option is only available on iPads and not iPhones.) If you do not email the tag file you can move it to the desktop using iTunes. You can also change the default setting for where the email is to be sent.

Carrier 8:51 AM 100%

Volleyball ACE

Volleyball Ace to Hudl Time Code Export (XML)

Coach Team: MVHSBoys Date: 2013-05-01

Opponent: Lynbrook Start Time: 7:20pm

Email Hudl File To: jackdamm@cs.com

Set: Set Start Delay (secs): Advanced Settings (disabled)

1	0
2	1380
3	2760
4	

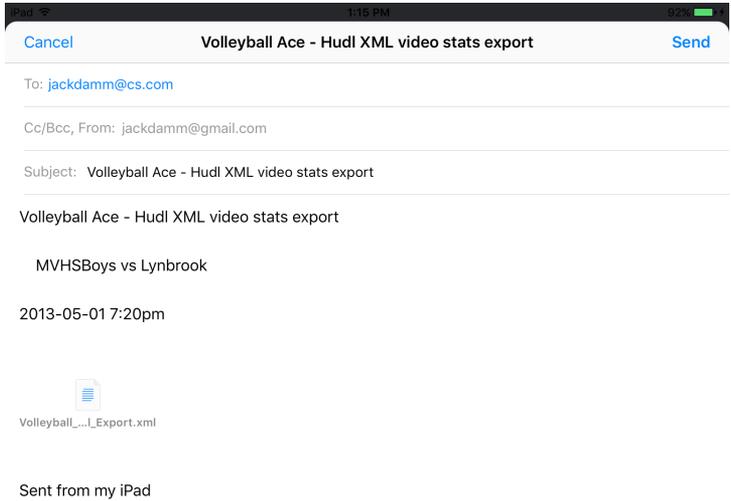
Export Cancel

The “Set Start Delay (seconds)” fields affect any adjustments made to the timing of touches, especially on the second through the fifth sets of a match. If a match is started in real time, the start time of each set matches the wall clock time, which also matches the timing of events on the video, so no change is needed here. However, if you do stats after-the-fact using video, then the times may not correspond. These fields make it possible to adjust the time codes. (This can also occur if sets are recorded on video separately and then combined into a single video stream using third party tools).

When you are ready, hit the “Export” button.

Hudl Video Connection

If you selected “Send Hudl file” and email is set up properly for your iPad, you will see the email screen.



Press the “Send” button (upper right) to send the email. Note that it may take some time for the email to arrive.

If you did not email the Hudl tag file, or if the email did not succeed, then it is still available on the iPad to be transferred to the desktop using iTunes. Refer to the section, “Transferring Stats Using iTunes” for information on how to move files using iTunes.

Hudl Video Connection

Transferring Stats via Email

If you plan to use the Hudl Export feature of the Volleyball Ace Strategic Analyzer, then you need to transfer the Volleyball Ace set stat files to the desktop. This section shows how to do the transfer with email. The next section shows how to do it with iTunes.

To transfer stats with email, tap on the “Email” button (“EM” on iPhone) on the Stats screen. Important note: Set stat files must be sent one at a time.

The screenshot shows the app interface with a table of stats for three sets: 13 Lucky, 19 Tiny, and VideoLegends. The table has columns for Kill, Error, Att, Pct, Assist, Ace, Error, and Att. Below the table, there is a navigation bar with buttons for Done, Chart, Opponent, Defense, Email, and Print. A downward arrow points from the 'Email' button to the next screenshot.

Volleyball Ace	ATTACK				SET	SERVE		
	Kill	Error	Att	Pct	Assist	Ace	Error	Att
13 Lucky								
19 Tiny	2		3	.667				
VideoLegends	7	1	10	.600	7	4	3	13

Done Chart Opponent Defense **Email** Print Swipe to scroll reports

Tap on the “Data” option for this set, then tap on the “Send” option. The set stats will be emailed to the desktop as an email attachment which you can download and save on your desktop.

The screenshot shows an email composition screen. The subject line is "Stats for Coach Team-Opponent 02-09-16". There is a "Send" button with a right-pointing arrow. Below the subject line, the "To:" field is filled with "jackdamm@cs.com". The "Cc/Bcc:" field is empty. The "Subject:" field is filled with "Stats for Coach Team-Opponent 02-09-16".

Cancel Screen Box Score **Data** MaxPreps Swipe to scroll reports

Cancel **Stats for Coach Team-Opponent 02-09-16** ➔ Send

To: jackdamm@cs.com

Cc/Bcc:

Subject: Stats for Coach Team-Opponent 02-09-16

Hudl Video Connection

Transferring Stats Using iTunes

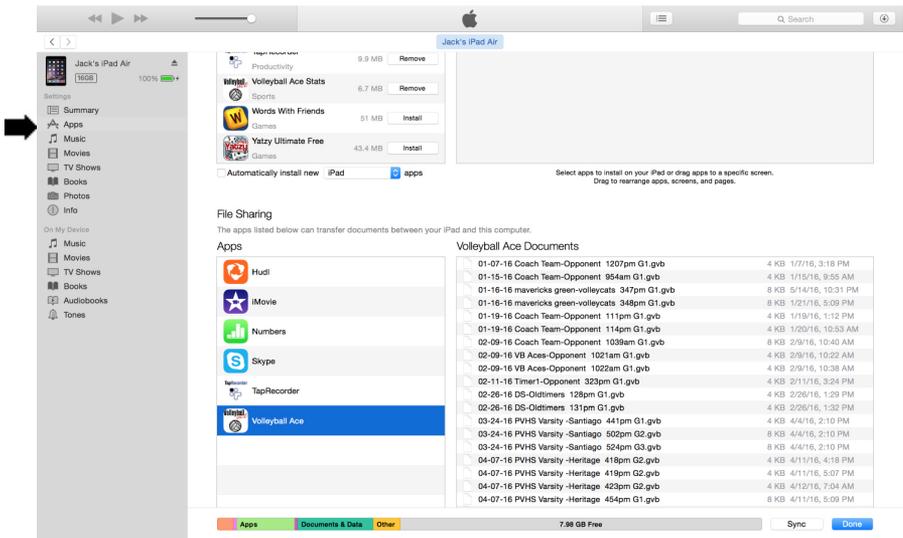
Sometimes emailing stats can be tedious and unreliable. iTunes can be a faster and more reliable way to move data from the iPad/iPhone to the desktop.

To use iTunes, turn on and swipe to open your device. Connect it to your desktop computer with the USB cable. iTunes should start automatically, but if it does not, then run it.

Device



Select the App Store option at the top of the iTunes screen and then select your device (it is a very small icon at the upper left of the screen).

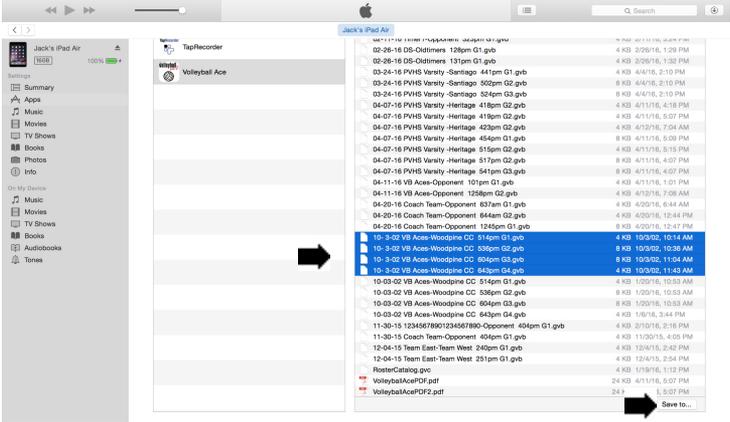


From the list below your device, tap on “Apps”. Then scroll down to the bottom of the page and select “Volleyball Ace” from within the “File Sharing” section.

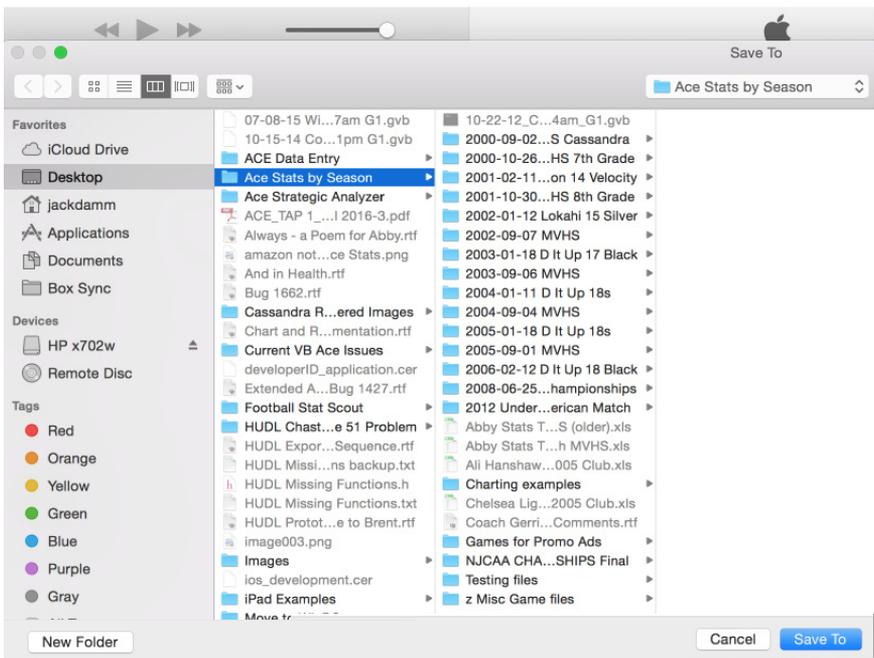
Note that the multiple scroll bars are confusing and take some getting used to.

Hudl Video Connection

A list of the sets which have been recorded and saved in Volleyball Ace will be listed on the right side of the screen. Select the sets you want to transfer to the desktop then tap on the “Save To” button at the bottom. Note that you can select multiple sets by holding down the Shift key when you click on each set.



Select the folder on your desktop and click on the “Save To” button and the transfer will be completed.

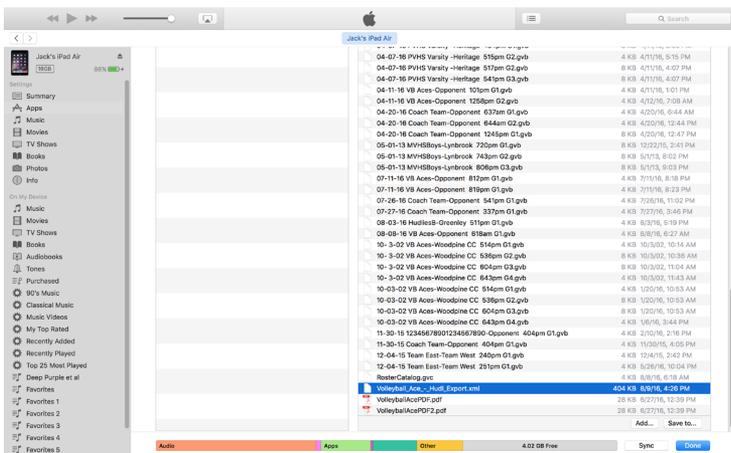


Hudl Video Connection

Transferring the Hudl XML Tag File Using iTunes

If you create the Hudl tag file in Volleyball Ace but do not email it, you will want to transfer it to the desktop using iTunes.

Follow the directions in the preceding section on how to transfer stats using iTunes. To transfer the Hudl tag file, click on the file named, “Volleyball_Ace_-_Hudl_Export.xml” in the list of available files. Then click on the “Save To” button and select the folder into which the file is to be saved.



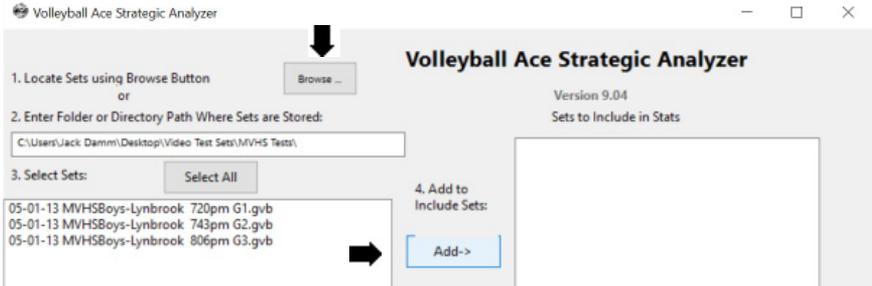
Important note: All Hudl tag files exported from within Volleyball Ace will have this same name. This is done to avoid accumulating multiple tag files on the device which would require using iTunes to manage.

If you copy the Hudl tag file from the iPad to the desktop, then you are ready to upload it to Hudl. Skip the next section and proceed to “Upload To Hudl Account”.

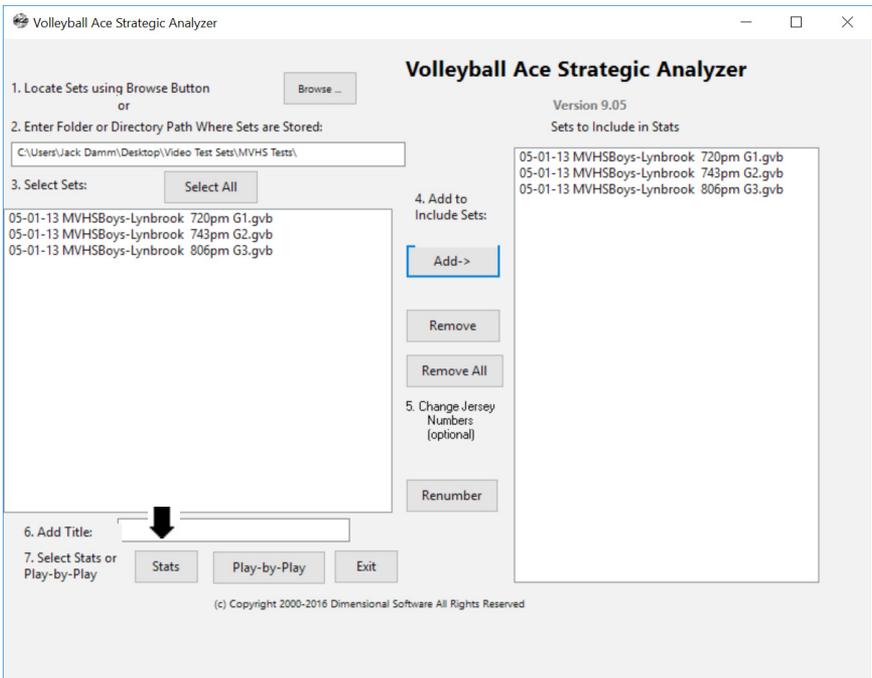
Hudl Video Connection

Using the Strategic Analyzer to Create Hudl Tag Files

When the Volleyball Ace set stat files have been moved to the desktop, run the Volleyball Ace Strategic Analyzer to make the Hudl tag file. Use the Browse button to locate the folder where you saved the set stat files:



Select each set on the left and click on the “Add” button to add it to the list of sets to process.



When all sets have been selected, click on the “Stats” button.

Hudl Video Connection

On the Stats screen click on the Output button:

MVHSBoys vs Lynbrook (3 sets)

Report Type: Service Passes Only Suppress Zeros Ellipses ... Print Set List Gridlines All Pages Hide If No Stats

Box Score Players <none> Sort Order <none>

Row Width: 25 Up Down

Rotation adjusted for 1st serve

	Sets	Attk Kills	Atk Err	Attk TA	Attack Pct.	Set Asst	Srve Ace	Srve Err	Serve Att	Rec Err	Rec Att	Def Dig	Blk Solo	Blk Assts	Blk Err	Gen BHE	Pts
1 RMcLaughlin	2	5	2	8	.375	19		1	6		1	2					5.0
2 CFrietzche	3						1		7	1	16	4					1.0
5 AFlowers	3	6	3	12	.250	1	1		10		4	4	2	1	1		9.5
9 KDentinger	3	15	4	24	.458	1	3	6	13	1	6	6		2			19.0
10 ADunn	3	2		3	.667	9			7		3	3		1		2	2.5
11 JStuebner	3	5	2	10	.300		2	2	22		15	8					7.0
12 LAllen	3	6		11	.545	14			1					2			7.0
14 CStearns	2	1	2	6	-.166				3		3						1.0
16 AMcDonald	3	5	1	9	.444				3				1	2			7.0
MVHSBoys	3	45	14	83	.373	44	7	9	72	2	48	29	3	8	1	2	59.0

Set	K	E	TA	Pct.
1	14	6	28	.285
2	15	1	19	.736
3	16	7	36	.250

Total Team Blocks: 7

	1	2	3	4	5
MVHSBoys	25	25	25		
Lynbrook	17	17	19		

Exit Charts Reselect Data Print Setup Print **Output** Other Team-> Customize

Select the Match Export and Hudl XML Video options then click on the OK button:

Volleyball Ace Strategic Analyzer - Stat Output Opti...

Output Type

Clipboard HTML (Web) Delimited File Match Export

Report

Current Report All Reports

File Type

Tab Delimited Comma Delimited Bar (|) Delimited Mono Spaced

Export To

MaxPreps DakStats HUDL XML Video

OK Cancel

Hudl Video Connection

Set the Time Code Adjustments

The screenshot shows a web application window titled "Volleyball Ace Export for Video Time Codes". The main heading is "Volleyball Ace To HUDL Time Code Export".

Fields for match information:

- Coach Team:** MVHSBoys
- Date:** 2013-05-01
- Opponent:** Lynbrook
- Start Time:** 7:20pm

Set: Set Start Delay (secs):

1	<input type="text" value="0"/>
2	<input type="text" value="1380"/>
3	<input type="text" value="2760"/>
4	<input type="text"/>
5	<input type="text"/>

Advanced Settings (disabled)

Buttons: **Export** and **Cancel**

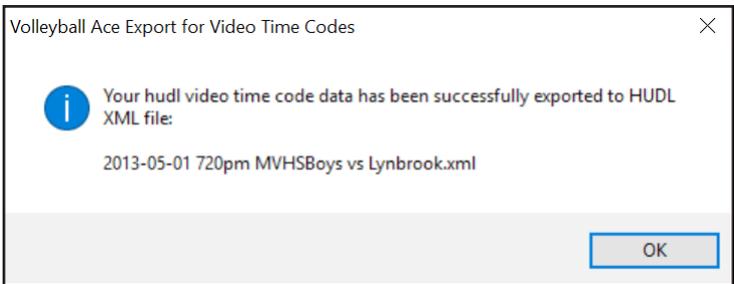
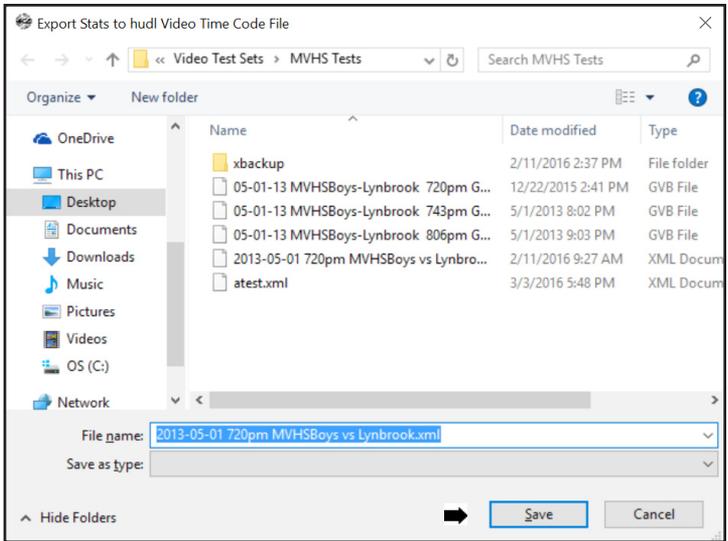
Use this screen to adjust the Video Sync Delay from the beginning of the match for each set.

Because Volleyball Ace records one set at a time, the time codes recorded within each set are offsets from the beginning of the set. This adjustment takes into account the time difference from the beginning of the match to each set. Note that Volleyball Ace sets default values for these offsets based on the starting times of each set.

When the Video Sync Delays for each set have been updated (if necessary), click on the Export button.

Hudl Video Connection

Select the name under which the XML file will be saved and the Hudl XML file will be created.



Now the stat data is ready for upload into your Hudl account.

Note that Advanced Settings (for time offset and duration by stat type) are not currently available.

Hudl Video Connection

Upload To Hudl Account

Note: Please refer to the Hudl online help and documentation if you have any questions about these steps. See <http://public.hudl.com/support/misc/import-and-sync-vball-stats/>

Log in to your Hudl account and upload the video of the current match.

Select the current match and upload the Hudl tag file which you have created with the Strategic Analyzer.

Once the Hudl tag file has been uploaded and linked to the video you will see a summary of the team stats followed by details by player.

MVHSBoys		Lynbrook
.286	Hitting Percentage	.167
1.75	Pass Rating	-
11	Errors	8
1	Solo Blocks	-
-	Assisted Blocks	-
2	Block Attempts	1
21/23	Playable Serves	16/19
16	Serve Receives	21
2	Aces	2

Your Volleyball Ace stats are now linked to your video in Hudl.

Note: If you have previously uploaded and linked a tag file to video for a match, you may need to delete the previous version before uploading the tag file again. Please refer to the Hudl help and documentation for details.

Hudl Video Connection

Access Your Connected Stats and Video in Hudl

Note: The statistics by player are listed after the team totals. Scroll down to access them.

On the Team or Player Stats summary page in Hudl, double click on any stat you want to review:

Player Stats		<u>MVHSBoys</u>	Lynbrook									
No.	Hitting Percentage	Pass Rating	Block Attempts	Solo Blocks	Block Assists	Playable Serves	Aces	Digs	Passes	Set Attempts	Total Passes	
1	.286	-	1	-	-	3/3	-	1	1	7/14	16	
2	-	1.75	-	-	-	2/2	-	2	10	0/2	14	
5	.500	-	-	1	-	2/2	-	1	-	-	1	
9	.200	-	-	-	-	2/4	1	4	2	1/1	7	
10	-	-	-	-	-	4/4	-	-	-	5/10	10	
11	-.200	-	-	-	-	8/8	1	3	7	-	10	
12	.400	-	1	-	-	-	-	-	-	1/1	1	
16	.750	-	-	-	-	-	-	-	-	-	-	

Hudl will display each of the video segments that corresponds to that statistic.

It is that easy!

DIMENSIONAL
S O F T W A R E

home
court
of the

Volleyball
we

and
the

 **TapRecorder**
with PracticeStats