

HD Speed Screen Installation & Guide

This guide will walk you through how to install and operate Club Speed's new *HD Speed Screen* application, which allows tracks to create and customize multiple channels of content, including live timing slides and a new HD Scoreboard, which can then be displayed on a variety of devices that can support web browsers, including Smart TVs, Chromecasts, PCs, and more!

Overview

1. Installation
2. Supported Hardware and Resolutions
3. Hardware Setup Examples
4. Channel Creation and Configuration
5. Supported Slide Types and Options
6. Advanced: Custom Slides with the API!
7. Troubleshooting and Frequently Asked Questions

Installation

After your request for the new *HD Speed Screen* application is processed and installation by Club Speed is complete, you'll be able to find it at:

```
http://<your_track_url>.clubspeedtiming.com/cs-speedscreen/#!/1
```

Additionally, if you're browsing from the same network as your Club Speed server, you'll be able to reach the site at:

```
http://<your_server_ip_address>/cs-speedscreen/#!/1
```

The Server IP Address URL is preferred, as local access is much faster. The Track URL address may be needed for tracks with multi-router configurations, or for access away from the track.

Note: By default, the *Speed Screen* URL will point to Channel 1 if no channel is specified. The URL can also be changed to point to different channels. The following example points to Channel 2:
`http://<your_server_ip_address>/cs-speedscreen/#!/2`

Once configured, a *Channel* will rotate through multiple *Slides* of content. More on this later on in the document!

Supported Hardware and Resolutions

The new *HD Speed Screen* is a web application, meaning it runs through a web browser by visiting a specific URL. It has been tested on and designed for Google Chrome, and runs best in that browser.

Important: The new *HD Speed Screen* runs best on **Google Chrome!**

You can run the *HD Speed Screen* on almost any device that can take content from Google Chrome and display it on a screen. These can be:

- A PC connected to a TV.
- A Smart TV (ex. LG TV) that has a built-in web browser.
- A Chromecast connected to a TV.
- Existing Wyse terminals.

Performance may vary depending on the age and strength of the device, especially for Slides with special animations and effects.

The *HD Speed Screen* is supported only at the following HD resolutions:

- 1080p (1920x1080)
- 720p (1280x720)

If the current resolution is less than 1080p, the *HD Speed Screen* will automatically scale down the HD Scoreboard slide to 720p. To use 1080p, set Google Chrome to full screen by pressing F11 on a PC. You may also need to set Google Chrome to full screen if using 720p resolution on a device set to exactly 1280x720, or some content may be clipped.

Important: The new *Speed Screen* requires **720p** or **1080p**!
To use **1080p**, Google Chrome must be set to **full screen** by pressing F11.
To use **720p**, Google Chrome may need to be set to **full screen** as well.



The screenshot displays a 'Standard T1' speed screen with a leaderboard. The title 'Standard T1' is at the top left, and the number '31' is at the top right. The leaderboard is divided into two columns. Each entry includes a position number, the racer's name, their kart number, laps completed, best time, average time, last time, and gap. The bottom of the screen features a 'Top Times' section with names and times, and a 'Powered By' logo for 'FLYASPEED'.

Pos	Racer Name	Kart	Laps	Best Time	Avg Time	Last Time	Gap
1	Federico Gomez	10	10	31.261	35.325	31.261	-
2	Rachad Wildgoose	12	11	31.546	33.312	33.430	285
3	Jermaine Wildgoose	19	11	31.629	33.692	31.642	365
4	J. K.	21	10	32.899	36.236	32.899	1.635
5	Douglas Lightbourne II	23	10	32.918	34.451	34.293	1.657
6	Reginald France	6	10	34.535	36.230	34.695	3.274
7	Erik Ramsaran	7	9	34.560	36.649	35.584	3.299
8	Carla Gormosen	30	8	35.644	40.755	39.612	4.383

Top Times	Adam Mendez	Rachad Wildgo...	Steven English	Federico Gomez	Powered By
Today	30.569	30.604	31.111	31.261	FLYASPEED

Illustration 1: A Speed Screen running in full screen.

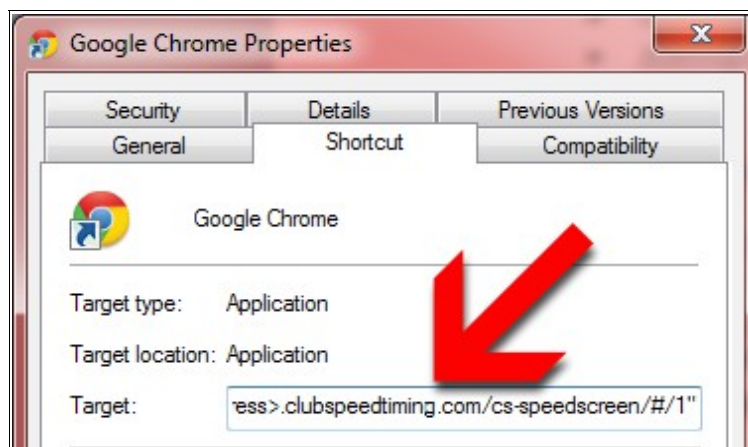
Hardware Setup Examples

Manually running on a PC attached to a TV

1. Visit http://<your_server_ip_address>/cs-speedscreen/#/X while on the same network as your Club Speed server, where **<your_server_ip_address>** is replaced by your server's local IP, and **X** is replaced by the desired Channel number. **Be sure to use Google Chrome!**
2. Set your PC's resolution to 1280x720 or 1920x1080, ensuring that it matches your TV resolution. (720p or 1080p)
3. Set Google Chrome to full screen by **pressing F11**.
4. Connect your TV to the PC, and set it to the appropriate input device. (This will vary depending on your TV, PC, and the connection between them.)

Autorun on a PC attached to a TV when the PC boots up

1. To configure the PC to boot up without a password, hit Win-R, type netplwiz and hit enter, uncheck the "Require Password" box, and type in the username and password you want to use when it prompts you.
2. Create a shortcut to Google Chrome, right click it, and go to Properties.
3. Add the following to the end of the Target text box:
--incognito --kiosk "http://<your_server_ip_address>.clubspeedtiming.com/cs-speedscreen/#/<channel number>", replacing the bold fields as appropriate.
4. Drag the shortcut into your Startup folder after saving your changes. When you restart the PC, it should automatically open up the *HD Speed Screen* in full screen mode.



*Illustration 2: The "Target" text box in which to paste the information from Step 3. Paste **after** the text already there.*

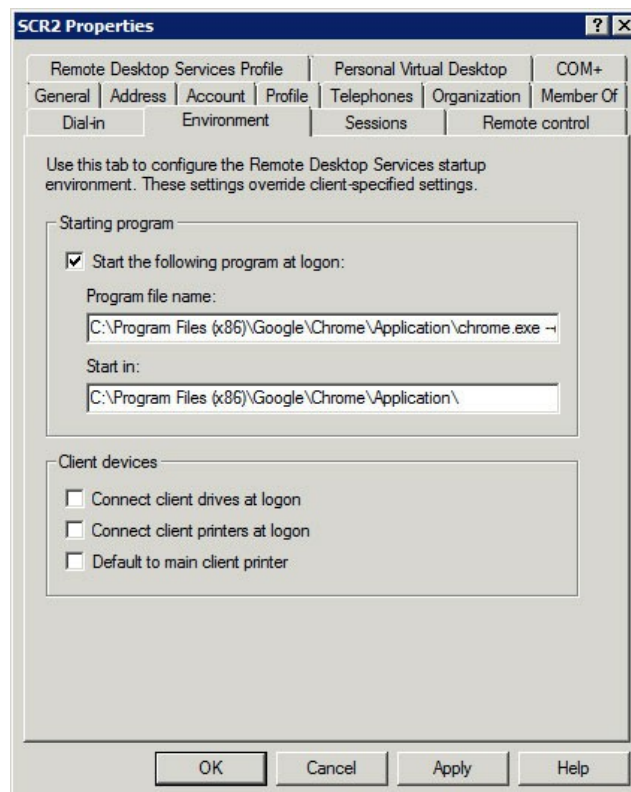
Autorun on a Wyse

This requires help from Club Speed to change “Environment Settings” on server.

Caveat: Each RDP connection must have its own user. Two Wyse devices cannot login under the same username ex: “SCR1”.

This happens because Chrome uses one profile per username. Only one profile may be open per session and may not be shared. If you attempt to open a second session, it will login and immediately log off.

1. Install Google Chrome on the server (if not already installed).
2. In “Active Directory Users and Computers”, locate the Speed Screen user that you wish to convert to the High Definition Speedscreen and under this user’s properties, locate the “Environment” tab.
3. Modify the “Program file name”:
4. C:\Program Files (x86)\Google\Chrome\Application\chrome.exe --disable-plugins --allow-no-sandbox-job --incognito --kiosk
http://<your_track_url>.clubspeedtiming.com/cs-speedscreen/#!/<your_channel_id>
5. Modify the “Start in”:
C:\Program Files (x86)\Google\Chrome\Application\



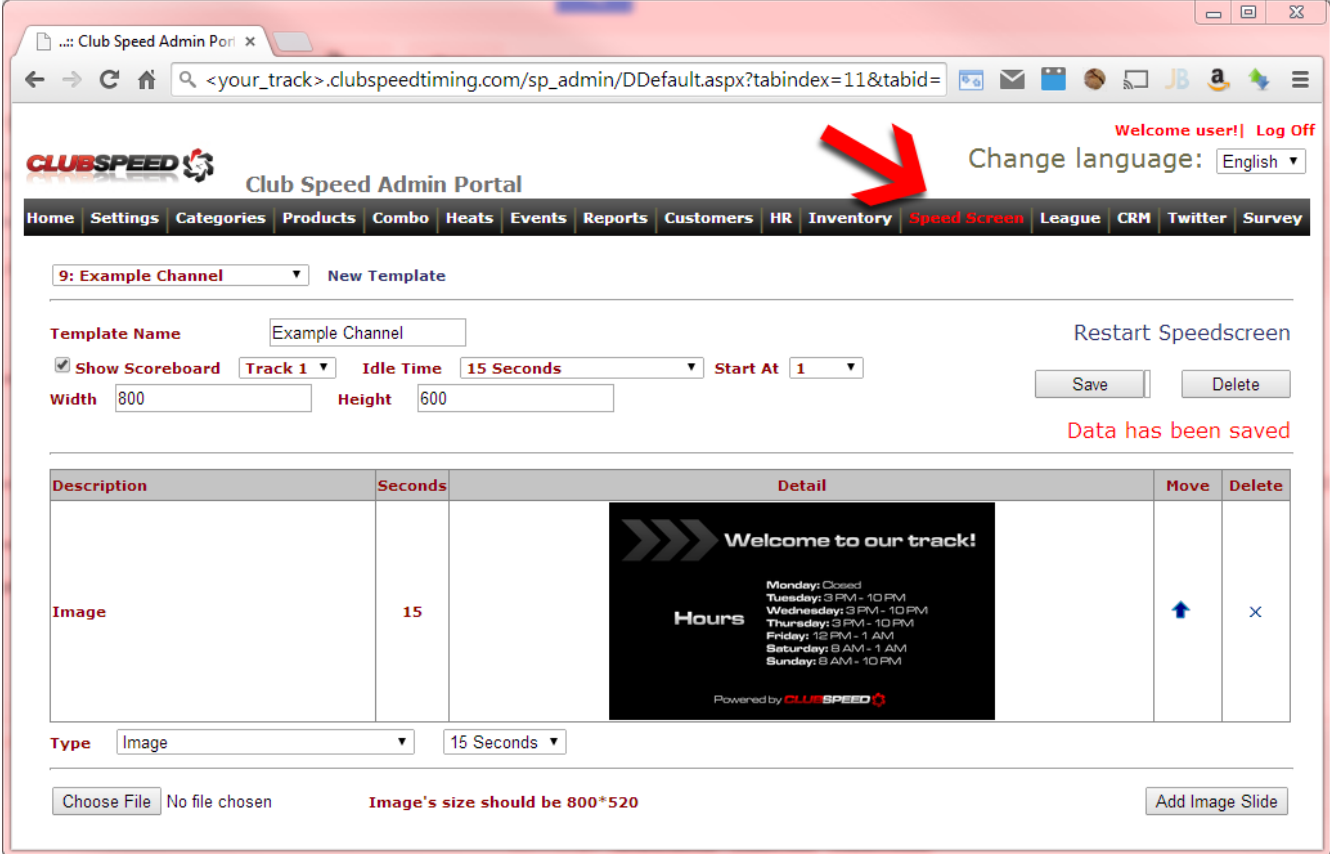
Channel Creation and Configuration

Core Concept

Each display device you connect to a *Speed Screen* can be on a different *Channel*. A *Channel* is a collection of *Slides* that display in a rotation, much like a PowerPoint™ presentation. Slides can include image ads, videos, live scoreboards, top times of the day/week/month, the next racer line-up, and even custom slides of your own!

Channels are created and configured in the Administration Panel. To reach the *HD Speed Screen* settings:

1. Log into http://<your_track_url>.clubspeedtiming.com/sp_admin using your credentials.
2. Click the *Speed Screen* tab. (This is the same tab that controls the old Speed Screens.)



The screenshot shows the Club Speed Admin Portal interface. The navigation menu at the top includes: Home, Settings, Categories, Products, Combo, Heats, Events, Reports, Customers, HR, Inventory, **Speed Screen** (highlighted with a red arrow), League, CRM, Twitter, and Survey. The main content area is titled '9: Example Channel' and includes a 'New Template' link. Below this, there are fields for 'Template Name' (Example Channel), 'Show Scoreboard' (checked), 'Track 1' (dropdown), 'Idle Time' (15 Seconds), 'Start At' (1), 'Width' (800), and 'Height' (600). There are 'Save' and 'Delete' buttons, and a 'Restart Speedscreen' link. A red message 'Data has been saved' is displayed. Below the form is a table with columns: Description, Seconds, Detail, Move, and Delete. The table contains one row with an image placeholder, '15' seconds, and a slide titled 'Welcome to our track!' with track hours. At the bottom, there is a 'Type' dropdown (Image), a '15 Seconds' dropdown, a 'Choose File' button, and an 'Add Image Slide' button. A red note states 'Image's size should be 800*520'.


Description	Seconds	Detail	Move	Delete
Image	15		↑	×

Illustration 3: Speed Screen tab in the Administration Portal.

The *Speed Screen* tab allows you to select, create, and delete *Channel* templates. Once a *Channel* template is selected, you can add, edit, remove, and re-arrange *Slides* that will be rotated through in that *Channel*.

Creating a Channel

1. Click the “New Template” link. The page will refresh with your new channel.
2. Edit the Template Name, which by default will be “New Template”.
3. Click the “Save” button to apply your changes.

Note: Your channel number is listed next to the channel name in the dropdown menu.

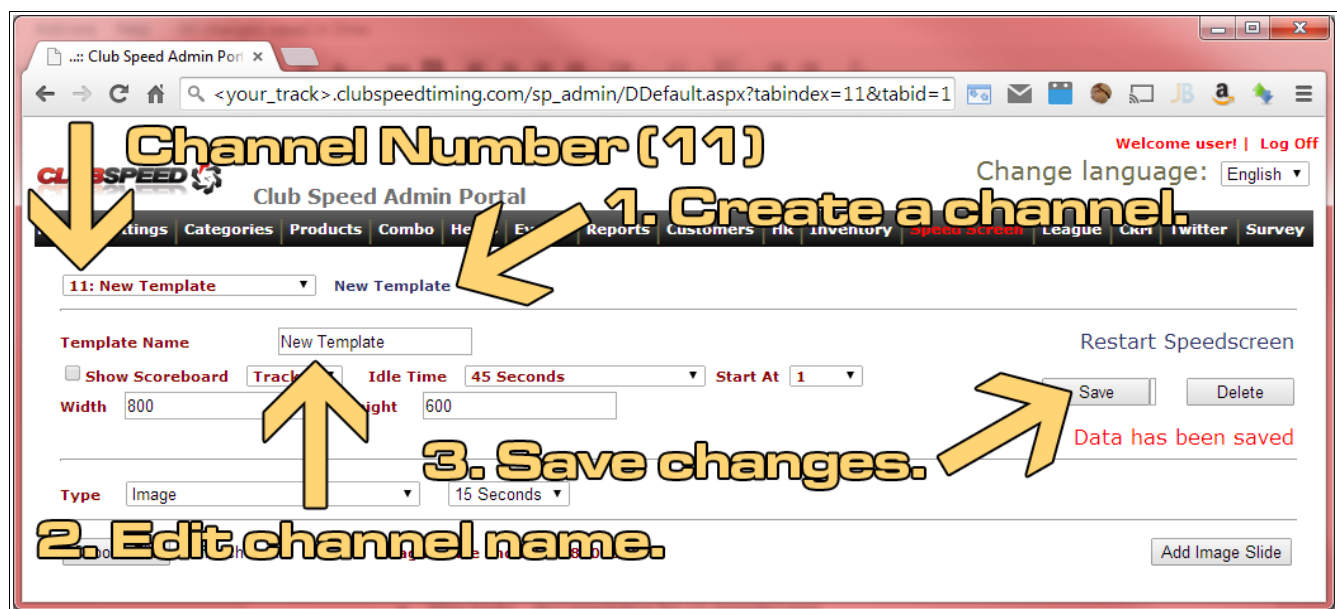


Illustration 4: Creating a Channel.

Assigning A Scoreboard

Each *Channel* can be assigned to one or more Scoreboard slides. If a Channel is assigned to a Scoreboard slide, it will stop whatever it was doing and go straight to the Scoreboard slide if a race starts.

To assign the first Scoreboard to a *Channel*:

1. Check the “Show Scoreboard” box.
2. Select the Track that the Scoreboard should apply to.
3. Set the Idle Time (the amount of time the Scoreboard will show the final results of a race before the *Channel* resumes going through the other slides).

4. Click Save.

You can ignore the width, height, and Start At fields, as they apply to the old Speed Screen.

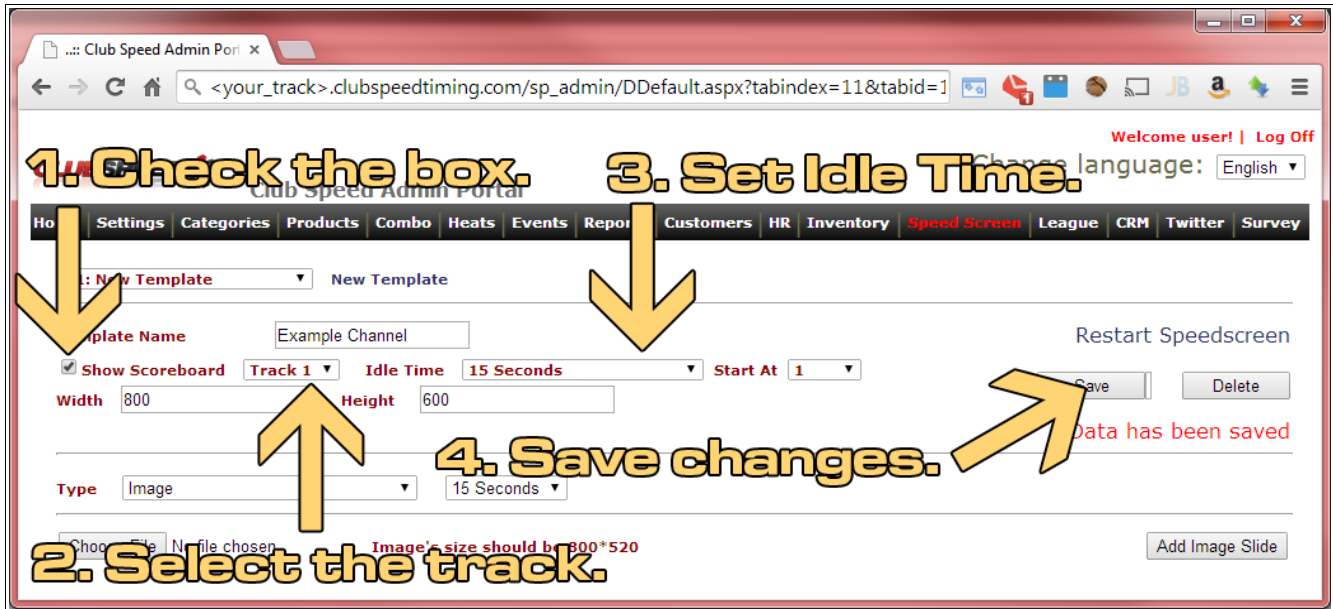


Illustration 5: Assigning the first Scoreboard to the Channel.

If you want to add multiple Scoreboards at different tracks (so a single *HD Speed Screen* can listen for potential races at multiple tracks simultaneously), you can do so by adding Scoreboard slides as you would any other. More details to follow.

For advanced Scoreboard configuration, see the Advanced Configuration section below.

Adding a Slide

While there are many different types of slides (listed in the next major section), the steps are largely the same:

1. Select the Slide Type. For this example, we'll pick an Image.
2. Enter any required information. For this example, it's how much time the image should stay up, and a "Choose File" button to actually select the image.
3. Click the Add Slide button.

Once a slide is added, any running *HD Speed Screens* will update themselves within a minute. You can also refresh them by hitting F5 to trigger an immediate update.

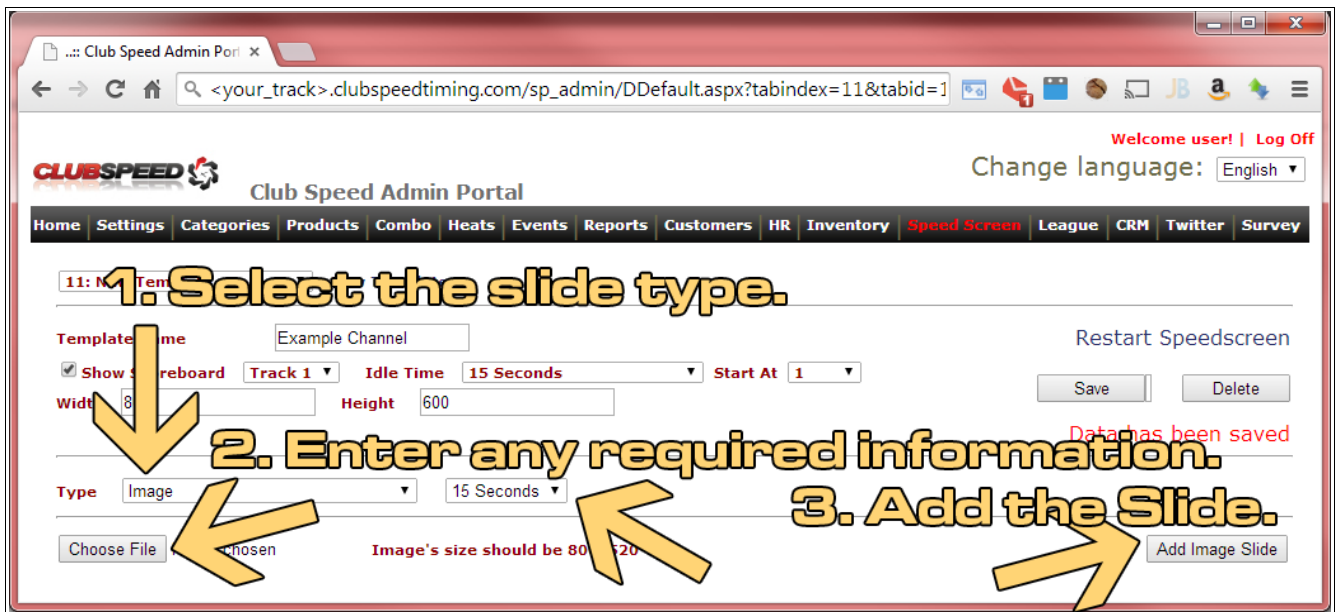
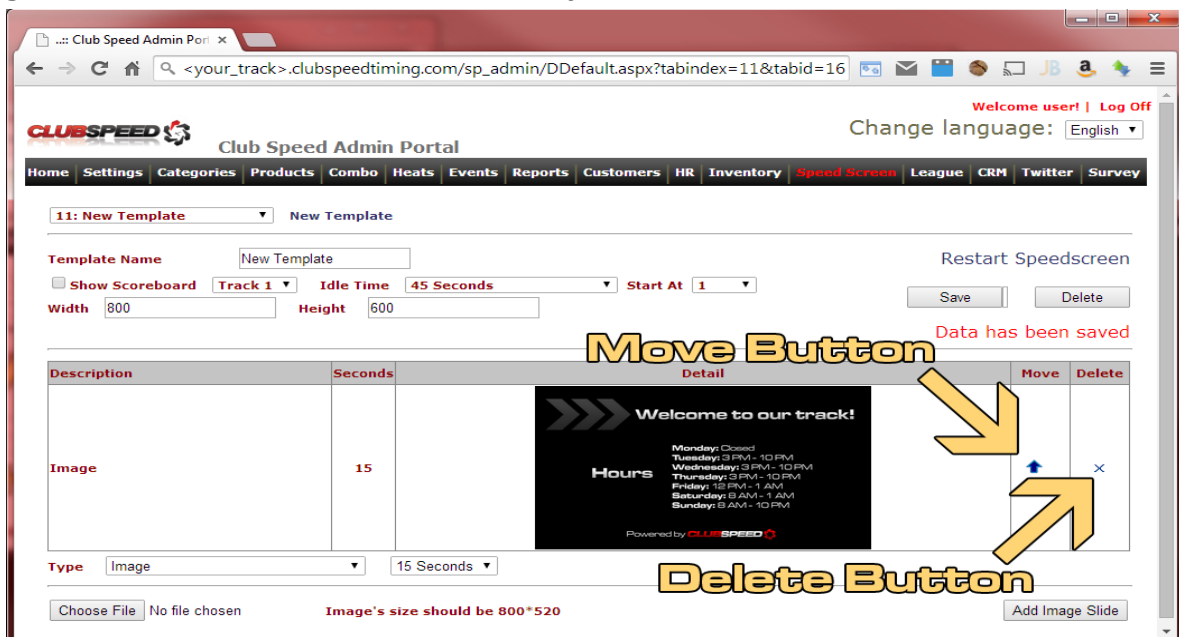


Illustration 6: Adding a Slide to the Channel.

Note: Ignore the message about the image resolution; that's for the old Speed Screen. For the new Speed Screens, you'll ideally want an **1920x1080** resolution image for image slides, although you may go down to 1280x720 for 720p displays. The image should be in **landscape** orientation, and will be stretched to fill all available space if it's smaller than the display.

Deleting or Moving a Slide

Once a slide has been added, simply click its corresponding Move or Delete buttons to change their order or remove them entirely.



Advanced Scoreboard Configuration

For even more customization of the Scoreboard slide:

1. Log into your Club Speed Server.
2. Go to c:\clubspeedapps\cs-speedscreen
3. Open config.js in Notepad.

You can change the following options to either true or false:

- showTimer: This controls whether or not the scoreboard shows laps remaining or the time remaining at all in the top-right corner. Defaults to true.
- showHeatNumberInsteadOfRaceTime: This controls whether or not the scoreboard shows the current Heat Number instead of the time the race is scheduled for. Defaults to false.
- disableNextRacers: This controls whether or not the “Racer Lineup” mode is prevented from appearing in the Scoreboard slide when a race isn't running. Defaults to true. This is mostly used for screens that just want to stay on the Scoreboard slide.
- disableNextRacersTab: This controls whether or not a sliding “Next Racers” tab is prevented from appearing on the right-hand side of the scoreboard during a race. Defaults to false.

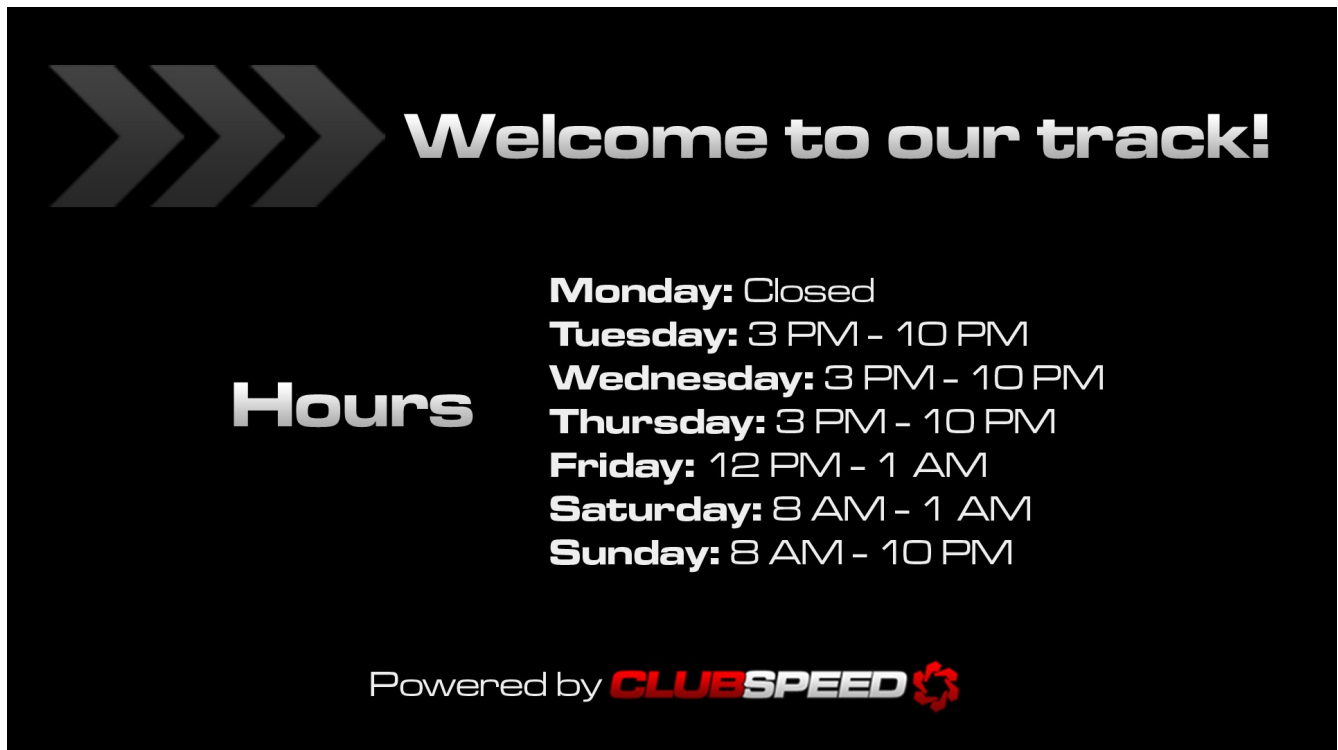
Important: Do not modify apiURL or apiKey!

Supported Slide Types and Options

Text Slide

Under development.

Image Slide



Type 15 Seconds

No file chosen

Recommended resolution: 1920x1080 or 1280x720.

Settings: Duration to display, the image file itself.

Top Times of the Day/Week/Month/Year Slide(s)


TOP TIMES OF THE DAY		
TRACK: Full Throttle Track		POWERED BY CLUBSPEED
1	The Magic Man	28.288
2	KAMICOSBY	28.584
3	JASBRO	29.445
4	Con-Man	29.466
5	son dawg	29.501
6	CASEY	29.530
7	RICKY SPANISH	29.881
8	103	29.932
9	daddawg	30.109
10	dirttrackracn	30.124

Type

Track No. Show Position

Settings: Duration, Track number, positions to display.

Top R.P.M Overall (AKA Top ProSkill) Slide

TOP PROSKILL		
POWERED BY CLUBSPEED 		
1	HONEY BOO BOO CHILD	6,183
2	The Magic Man	5,975
3	T-Boned	5,452
4	Repins	5,367
5	FIREDEngine	4,921
6	CEO BABY	4,751
7	DJ quick	4,514
8	Evolution X	4,430
9	Krazy Kyle	4,425
10	Fez	4,407

Type

Track No. Show Position

Settings: Duration, Track number, positions to display.

Most Improved R.P.M (AKA Top ProSkill) (Month/Year) Slide(s)



MOST IMPROVED PROSKILL OF THE MONTH		
POWERED BY CLUBSPEED		
1	Marty The Avatar	1,426 (+177)
2	bareftskier	1,382 (+174)
3	Smurphy	1,371 (+166)
4	speed racer	1,394 (+154)
5	Paul Friedmann	1,393 (+153)
6	daddy's on fire	1,348 (+148)
7	Xtreme	1,384 (+144)
8	POTATO27	1,340 (+140)
9	Roxide	1,402 (+137)
10	Jamie	1,413 (+136)

Type

Track No. Show Position

Settings: Duration, Track number, positions to display.

Schedule Slide

Under development.

Video Slide

Not directly supported by the *HD Speed Screen*. However, you can use the HTML slide (see below) and pass it a URL to a video file that ends in .mp4, .m4v, .webm, or .ogv. It then automatically convert the HTML slide to a functional video slide, and will auto-play the video.

Camera Slide

Not currently used by the *HD Speed Screen*.

Next Racers (or Next Next Racers) Slide

A screenshot of a 'Next Racers' slide from a karting event. The slide has a background image of a racetrack. At the top, a banner reads 'COMING UP: 8 Min Youth Heat (#83)'. Below this, another banner says 'TRACK: Full Throttle Track' and 'POWERED BY CLUBSPEED' with a logo. The main part of the slide is a table with two columns: 'Position' and 'NICKNAME'. The table lists seven racers in positions 1 through 7. The racers' names are: dominater, Maddie, Joe, MAK, DL Knock, Deja K., and FLASH.

Position	NICKNAME
1	dominater
2	Maddie
3	Joe
4	MAK
5	DL Knock
6	Deja K.
7	FLASH

Type 15 Seconds

Track No. SpeedLevel Show Profile Picture Show Lineup Number
Show Kart No Rows Per Page


Add Slide

Settings: Duration, Track number, Speed Level, whether or not to show a profile picture, whether or not to show the lineup number, whether or not to show a kart number. Rows per page is not used by the new *HD Speed Screen*.

Last Winner with Picture Slide

LAST WINNER

NICKNAME (KART#):	aberdegwengo (#16)
FULL NAME:	Dean Wilson
TRACK NAME:	Adults
RACE NAME (RACE#):	AnD 10 Min (#22)
STARTED AT:	7/27/2014 7:20:00 PM
BEST LAP:	52.843
PROSKILL:	1,200 (+35)
FIRST TIME:	NO



Type

Last winner with picture ▾

15 Seconds ▾

Track No.

Track 1 ▾

SpeedLevel

1)Adults ▾

Add Slide

Settings: Duration, Track number, Speed Level.

Top time of the day with picture Slide

TOP TIMES OF THE DAY ON TRACK: Figure 8 Slot Car

	103	The Mechanic!!	dirtrackracn	MrTal2225
LAP TIME:	29.592	29.921	30.193	30.491
PROSKILL:	1,990	2,801	2,775	1,704
NUMBER OF RACES:	43	87	203	42
	Buzz	Roadrunner	Chad	
LAP TIME:	31.039	31.555	31.599	
PROSKILL:	1,265	1,225	1,245	
NUMBER OF RACES:	2	2	2	

Type

Top time of the day with picture

15 Seconds

Track No.

Track 1

SpeedLevel



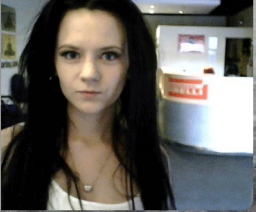



1)Adults

Add Slide

Settings: Duration, Track number, Speed Level.

Next heat favorite with picture Slide

COMING UP: 8 Min Race (#95)

	dejotex		Bruno		Sidinho	
START POSITION:	1		2		3	
KART NUMBER:	#1		#2		#3	
PROSKILL:	1,200		1,326		1,226	
FIRST TIME:	YES		NO		NO	
	wagner senna		Enio		Marcio Senna	
START POSITION:	4		5		6	
KART NUMBER:	#4		#5		#6	
PROSKILL:	1,200		1,200		1,200	
FIRST TIME:	YES		YES		YES	

Type

Next heat favorite with picture

15 Seconds

Track No.

Track 1

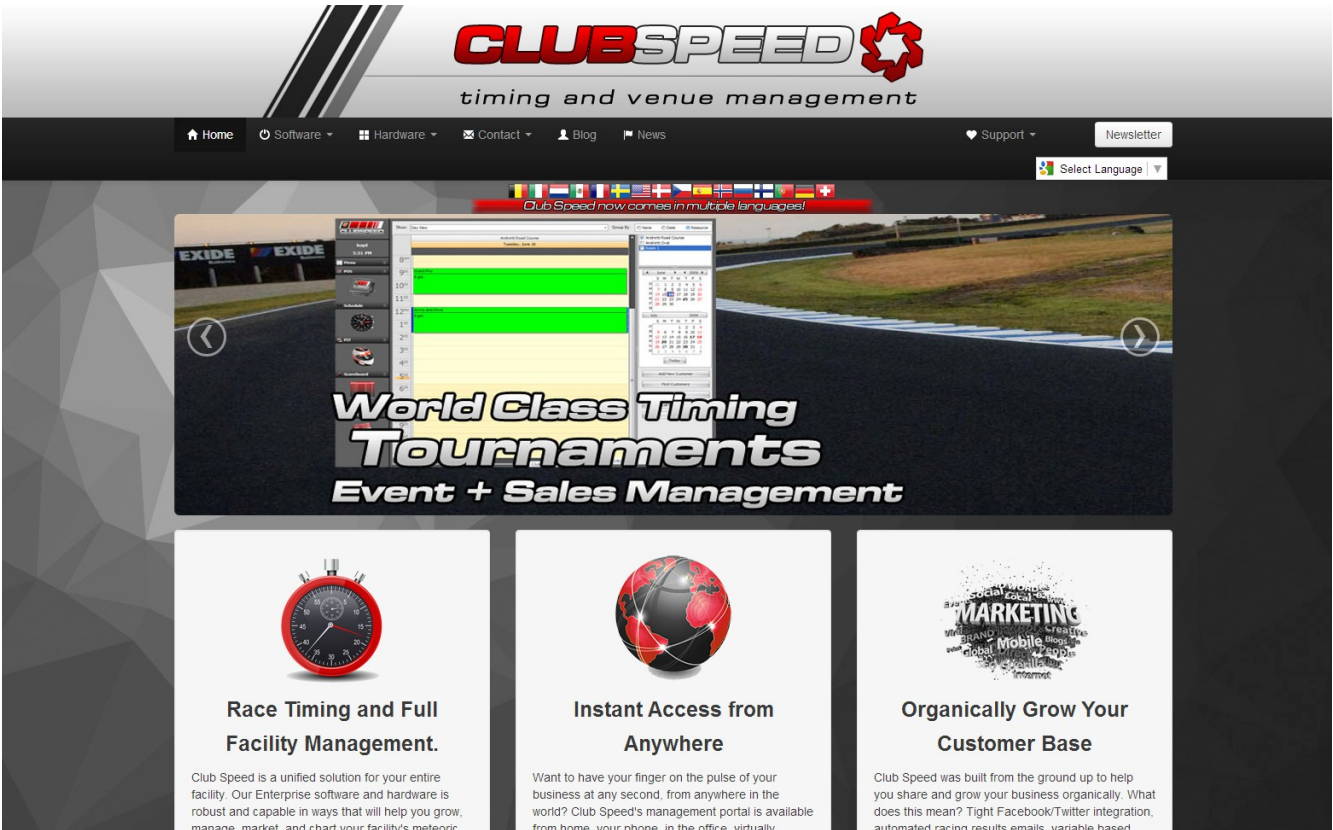
SpeedLevel

1)Adults

Add Slide

Settings: Duration, Track number, Speed Level.

HTML Slide



The screenshot shows the Club Speed website interface. At the top is the logo "CLUBSPEED" with a red gear icon and the tagline "timing and venue management". Below the logo is a navigation bar with links: Home, Software, Hardware, Contact, Blog, News, Support, and Newsletter. A "Select Language" dropdown is also present. The main content area features a large banner slide titled "World Class Timing Tournaments Event + Sales Management" with a background image of a racetrack and a timing system interface. Below the banner are three columns of text and images:

- Race Timing and Full Facility Management.** Club Speed is a unified solution for your entire facility. Our Enterprise software and hardware is robust and capable in ways that will help you grow, manage, market and chart your facility's meteoric.
- Instant Access from Anywhere** Want to have your finger on the pulse of your business at any second, from anywhere in the world? Club Speed's management portal is available from home, your phone, in the office, virtually.
- Organically Grow Your Customer Base** Club Speed was built from the ground up to help you share and grow your business organically. What does this mean? Tight Facebook/Twitter integration, automated racino results emails, variable based.

Below the slide content, there is a "Type" dropdown menu set to "HTML" and a "15 Seconds" duration dropdown. Below these is a large empty rectangular box for HTML content, with the word "HTML" in red text to its left. To the right of the box is a button labeled "Add HTML Slide".

Settings: Duration, HTML content.

Usage: If the HTML content contains a link to a video, it will become a video slide. If it has a link to a non-video URL, it will load that content as an iframe. If it has inline HTML, at the moment that is not supported by the *HD Speed Screen*.

Flash Slide

Not supported by the *HD Speed Screen*.

Event Screen Slide

Under development.

New Scoreboard Slide

.Jr. Standard 0L

Pos	Racer Name	Kart	Laps	Best Time
1	Di-Huy tran	51	12	34.623
Avg 38.090 Last Time 37.777 Gap -				

Pos	Racer Name	Kart	Laps	Best Time
2	Khai-An Tran	41	10	37.768
Avg 46.582 Last Time 53.098 Gap 3.145				

Pos	Racer Name	Kart	Laps	Best Time
3	Khai-Van tran	45	8	49.034
Avg 51.489 Last Time 49.967 Gap 14.411				

Coming Up Next
Standard
Start Time
13:30
Grid Lineup

#	Racer Name
1	todd masterson
2	tim dunavin
3	Mark Humphrey
4	Dylan Humphrey

Top Times This Month

Name	Time
Joey Howells	21.713
Todd Hinkle	21.792
Ted Smith	21.811
Derrick V. Roeske	21.827

Powered By CLUBSPEED

Type: New ScoreBoard No Limit

Track No. Track 1 Add Slide

Settings: Duration, Track number

Usage: This is the same as the global scoreboard that can be set up at the top of the current Channel's settings page. If you add multiple scoreboards at different tracks, then the *HD Speed Screen* will automatically switch to the scoreboard for any of those tracks if a race has begun, and will switch away when the race is over after the specified duration.

Important: The *HD Speed Screen* does **not** support *simultaneous* races on multiple tracks on the same Channel/display. Please configure each Channel with a separate track and assign them to different displays if simultaneous races are occurring.

Previous Race Result Slide

Under development.

Previous Previous Race Result Slide

Under development.

Advanced: Custom Slides with the API!

With the use of your track's public API (http://<your_track>.clubspeedtiming.com/api), you can create your own slide as an HTML page, then simply create a HTML slide (see above) and put in the URL of that page as the content.

When the *HD Speed Screen* gets to that slide, it will automatically load that URL's content as a full screen iframe.

Troubleshooting and Frequently Asked Questions

Can I use a custom background for the Speed Screen?

This feature is coming soon!

I'm Getting a "404 – File or directory not found" page!

Double-check the URL for any typos. Make sure you substituted <your_track_url> for your track's subdomain!

If the problem persists, please contact support at support@clubspeed.com, or via telephone at 877-751-3200.

My Speed Screen is stuck!

You may have encountered a temporary loss of internet connection to the Speed Screen. Try refreshing by hitting F5. If the problem persists, please contact support at support@clubspeed.com, or via telephone at 877-751-3200.

I think there might be a problem with the channel API!

You can take a peek at the Channel API call directly (in JSON format) and see what's going on.

The URL pattern is as follows (you can replace the **1** with any other channel number):
<http://<your-track>.clubspeedtiming.com/api/index.php/channel/1.json?key=cs-dev>

I think there might be a problem with a specific slide not loading!

Check the Channel API call (see above), and copy/paste the URL to that slide to see what's happening.

I think the app isn't updating itself anymore!

It's possible a local change was made that is causing the app to not pull latest changes from the server that hosts the files. Log into the Club Speed server, open up a Command Prompt, go to <c:\clubspeedapps>, and execute update.bat. If you get an error

message about files having been changed and preventing an update, **make a backup of the entire folder**, then try deleting those files and re-executing update.bat.

It's also possible that the FireDaemon service isn't set to Automatic. Check for a "ClubSpeedAppsUpdater" FireDaemon service.

I'm having another problem not described here!

Please contact support at support@clubspeed.com, or via telephone at 877-751-3200.