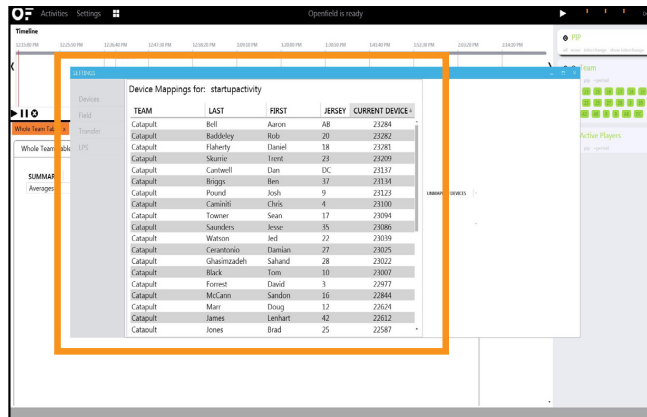


RUNNING A SESSION

ASSIGNING MONITORS TO AN ATHLETE

Prior to running a real-time session, it's important each monitor is assigned to an athlete. The ID is found on the back of the monitor.

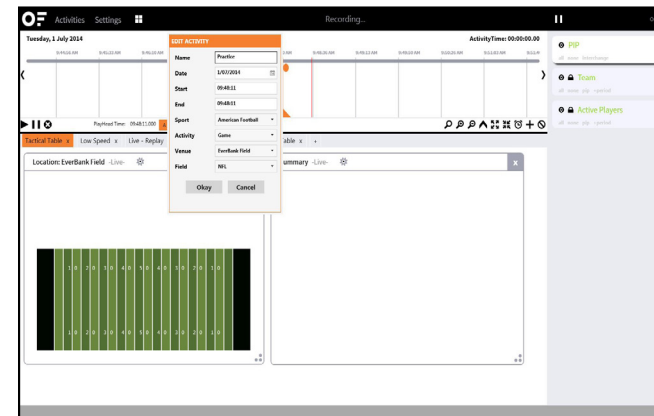
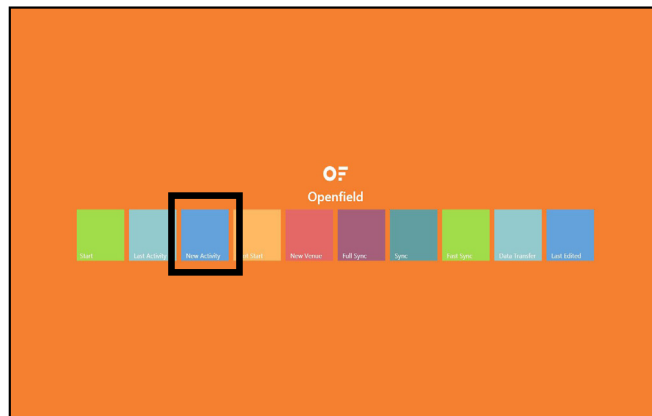
To assign monitors to athletes, click on 'Settings' in the top left corner, then 'Devices'



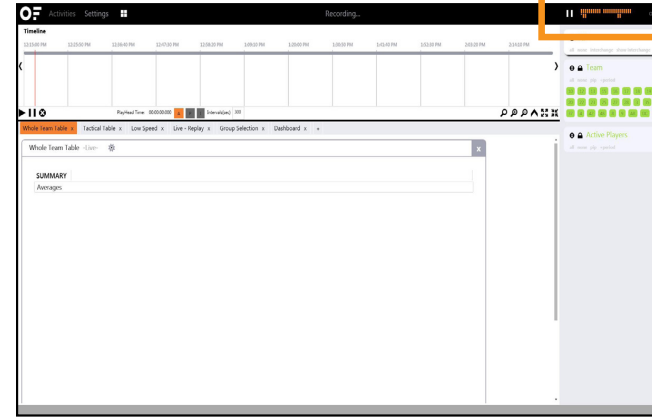
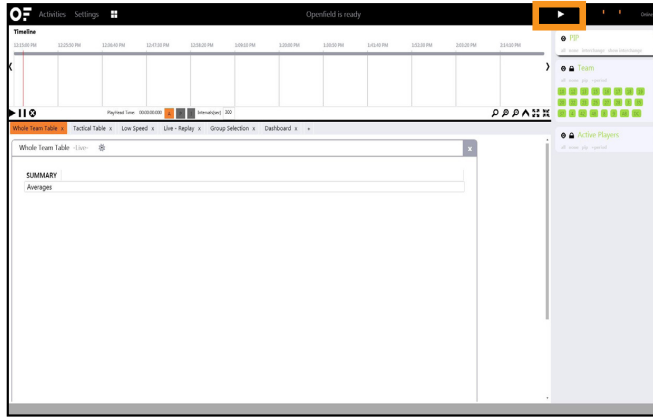
STARTING A REAL-TIME SESSION

To run a real-time session, select 'New Activity' from the main title menu.

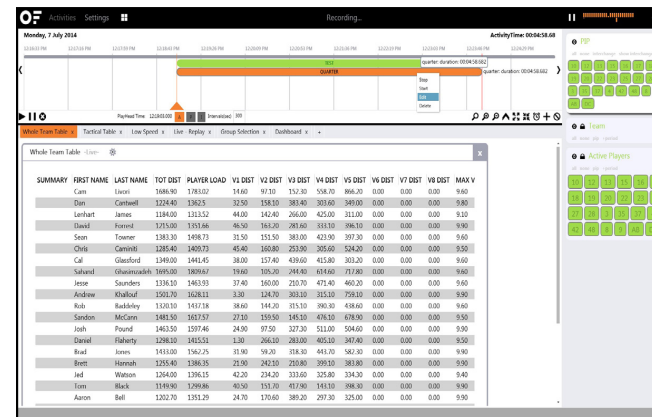
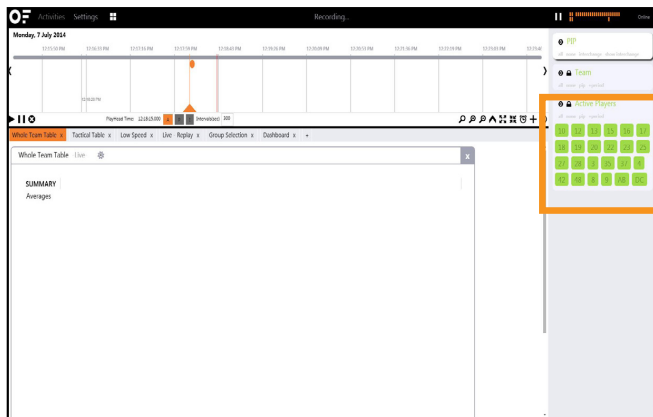
Your activity will be created in the timeline. Right click and select 'Edit' to give the session a name.



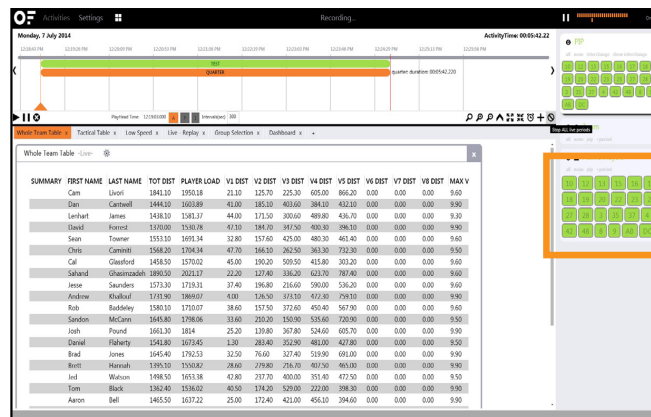
Click the Play button to in the top right corner to start receiving data. The stream will change pattern when data is being received.



Double-click on 'Active Players' to show all athletes.



By selecting 'all' and '+period', all athletes are added to the PIP.



Right click on the period to edit the period name on the fly.

Monday, 7 July 2014

ActivityTime 000633.00

PayNet Time: 12:03:00 PM | Incomplete: 300

SUMMARY	FIRST NAME	LAST NAME	TOT DST	PLAYER LOAD	V1 DST	V2 DST	V3 DST	V4 DST	V5 DST	V6 DST	V7 DST	V8 DST	MAX V
Cam	Lucan	1977.80	7207.87	87.80	148.40	242.40	814.00	954.00	0.00	0.00	0.00	0.00	9.60
Dan	Cannell	1612.00	1779.78	42.00	188.80	408.20	390.00	528.00	0.00	0.00	0.00	0.00	9.60
Leahat	Jones	1668.00	1824.87	49.00	184.00	363.00	551.80	298.80	0.00	0.00	0.00	0.00	9.60
David	Forrest	1481.00	1681.88	55.00	189.60	394.50	480.90	396.10	0.00	0.00	0.00	0.00	9.60
Sean	Towner	1737.80	1888.9	32.80	187.10	478.60	538.50	527.80	0.00	0.00	0.00	0.00	9.60
Chris	Cannell	1711.60	1869.11	52.00	182.60	271.10	482.80	702.00	0.00	0.00	0.00	0.00	9.60
Cal	Gloufford	1544.80	1721.58	52.00	201.80	547.40	424.70	477.60	0.00	0.00	0.00	0.00	9.60
Sahand	Charamzadeh	2018.10	2244.06	28.20	147.10	368.40	636.10	812.20	0.00	0.00	0.00	0.00	9.60
Jason	Standerby	1950.80	1907.66	37.40	227.00	219.80	566.00	605.00	0.00	0.00	0.00	0.00	9.60
Andrew	Khalouf	1619.80	1973.77	37.00	158.00	378.90	511.90	739.10	0.00	0.00	0.00	0.00	9.60
Rob	Buckley	1242.80	1888.11	38.80	182.70	415.80	548.00	587.00	0.00	0.00	0.00	0.00	9.60
Sanjoo	McCam	1797.80	1960.85	34.20	212.60	202.00	585.00	797.00	0.00	0.00	0.00	0.00	9.60
Josh	Friend	1812.00	1881.07	25.80	181.60	373.20	632.00	656.00	0.00	0.00	0.00	0.00	9.60
Daniel	Fisher	1722.80	1884.18	1.80	85.10	428.80	480.10	507.80	0.00	0.00	0.00	0.00	9.60
Brad	Jones	1762.80	1929.02	32.00	149.70	333.20	566.10	691.00	0.00	0.00	0.00	0.00	9.60
Brad	Wainwright	1278.00	1751.11	28.00	303.80	228.60	512.00	592.00	0.00	0.00	0.00	0.00	9.60
Jul	Watson	1688.10	1864.57	47.80	217.10	474.10	519.80	389.80	0.00	0.00	0.00	0.00	9.60
Tom	Black	1450.00	1855.11	41.00	180.70	378.60	257.00	368.00	0.00	0.00	0.00	0.00	9.60
Aaron	Bell	1591.00	1773.61	25.80	199.80	467.10	460.00	455.80	0.00	0.00	0.00	0.00	9.60

Monday, 7 July 2014

ActivityTime 000823.18

PayNet Time: 12:07:00 PM | Incomplete: 300

SUMMARY	FIRST NAME	LAST NAME	TOT DST	PLAYER LOAD	V1 DST	V2 DST	V3 DST	V4 DST	V5 DST	V6 DST	V7 DST	V8 DST	MAX V
Cam	Lucan	1977.80	7207.87	87.80	148.40	242.40	814.00	954.00	0.00	0.00	0.00	0.00	9.60
Dan	Cannell	1612.00	1779.78	42.00	188.80	408.20	390.00	528.00	0.00	0.00	0.00	0.00	9.60
Leahat	Jones	1668.00	1824.87	49.00	184.00	363.00	551.80	298.80	0.00	0.00	0.00	0.00	9.60
David	Forrest	1481.00	1681.88	55.00	189.60	394.50	480.90	396.10	0.00	0.00	0.00	0.00	9.60
Sean	Towner	1737.80	1888.9	32.80	187.10	478.60	538.50	527.80	0.00	0.00	0.00	0.00	9.60
Chris	Cannell	1711.60	1869.11	52.00	182.60	271.10	482.80	702.00	0.00	0.00	0.00	0.00	9.60
Cal	Gloufford	1544.80	1721.58	52.00	201.80	547.40	424.70	477.60	0.00	0.00	0.00	0.00	9.60
Sahand	Charamzadeh	2018.10	2244.06	28.20	147.10	368.40	636.10	812.20	0.00	0.00	0.00	0.00	9.60
Jason	Standerby	1950.80	1907.66	37.40	227.00	219.80	566.00	605.00	0.00	0.00	0.00	0.00	9.60
Andrew	Khalouf	1619.80	1973.77	37.00	158.00	378.90	511.90	739.10	0.00	0.00	0.00	0.00	9.60
Rob	Buckley	1242.80	1888.11	38.80	182.70	415.80	548.00	587.00	0.00	0.00	0.00	0.00	9.60
Sanjoo	McCam	1797.80	1960.85	34.20	212.60	202.00	585.00	797.00	0.00	0.00	0.00	0.00	9.60
Josh	Friend	1812.00	1881.07	25.80	181.60	373.20	632.00	656.00	0.00	0.00	0.00	0.00	9.60
Daniel	Fisher	1722.80	1884.18	1.80	85.10	428.80	480.10	507.80	0.00	0.00	0.00	0.00	9.60
Brad	Jones	1762.80	1929.02	32.00	149.70	333.20	566.10	691.00	0.00	0.00	0.00	0.00	9.60
Brad	Wainwright	1278.00	1751.11	28.00	303.80	228.60	512.00	592.00	0.00	0.00	0.00	0.00	9.60
Jul	Watson	1688.10	1864.57	47.80	217.10	474.10	519.80	389.80	0.00	0.00	0.00	0.00	9.60
Tom	Black	1450.00	1855.11	41.00	180.70	378.60	257.00	368.00	0.00	0.00	0.00	0.00	9.60
Aaron	Bell	1591.00	1773.61	25.80	199.80	467.10	460.00	455.80	0.00	0.00	0.00	0.00	9.60

To stop all live periods, click the 'Stop ALL live periods' button.

Monday, 7 July 2014

ActivityTime 000835.54

PayNet Time: 12:07:00 PM | Incomplete: 300

SUMMARY	FIRST NAME	LAST NAME	TOT DST	PLAYER LOAD	V1 DST	V2 DST	V3 DST	V4 DST	V5 DST	V6 DST	V7 DST	V8 DST	MAX V
Cam	Lucan	2017.80	7382.95	89.80	151.50	275.50	815.50	953.00	0.00	0.00	0.00	0.00	9.60
Dan	Cannell	1664.80	2041.18	42.00	188.80	408.10	401.10	529.00	0.00	0.00	0.00	0.00	9.60
Leahat	Jones	1973.00	2155.18	47.80	186.20	308.40	725.30	733.80	0.00	0.00	0.00	0.00	9.60
David	Forrest	1676.50	1870.03	55.00	216.40	478.30	465.10	440.10	0.00	0.00	0.00	0.00	9.60
Sean	Towner	1834.40	2092.86	32.80	217.00	558.70	605.80	527.80	0.00	0.00	0.00	0.00	9.60
Chris	Cannell	1938.00	2734.64	52.00	215.60	271.80	589.60	802.00	0.00	0.00	0.00	0.00	9.60
Cal	Gloufford	1777.00	1922.11	58.40	207.40	558.70	520.70	447.50	0.00	0.00	0.00	0.00	9.60
Sahand	Charamzadeh	2211.40	2377.03	40.40	180.80	392.70	644.50	688.20	0.00	0.00	0.00	0.00	9.60
Jason	Standerby	1994.10	2127.21	42.00	220.00	207.50	775.10	670.00	0.00	0.00	0.00	0.00	9.60
Andrew	Khalouf	2423.00	2350.02	37.00	158.00	378.90	776.00	810.00	0.00	0.00	0.00	0.00	9.60
Rob	Buckley	1967.00	2136.78	40.40	204.60	468.30	695.70	567.00	0.00	0.00	0.00	0.00	9.60
Sanjoo	McCam	1990.10	2124.71	42.00	242.20	268.10	595.90	888.00	0.00	0.00	0.00	0.00	9.60
Josh	Friend	1997.20	2181.82	34.00	167.00	429.80	691.40	656.10	0.00	0.00	0.00	0.00	9.60
Daniel	Fisher	1911.00	2074.88	7.40	325.50	463.60	568.80	558.80	0.00	0.00	0.00	0.00	9.60
Brad	Jones	1991.10	2171.03	42.10	147.20	377.40	624.00	810.00	0.00	0.00	0.00	0.00	9.60
Brad	Wainwright	1748.00	1948.96	28.00	319.00	251.80	611.10	708.00	0.00	0.00	0.00	0.00	9.60
Jul	Watson	1908.90	2111.32	46.70	241.00	564.30	423.60	641.40	0.00	0.00	0.00	0.00	9.60
Tom	Black	1761.40	1915.28	47.50	226.30	584.40	336.10	524.20	0.00	0.00	0.00	0.00	9.60
Aaron	Bell	1804.80	2001.36	31.10	210.00	516.50	606.70	455.40	0.00	0.00	0.00	0.00	9.60

To add a live period, click the 'Add live period' button.

Monday, 7 July 2014

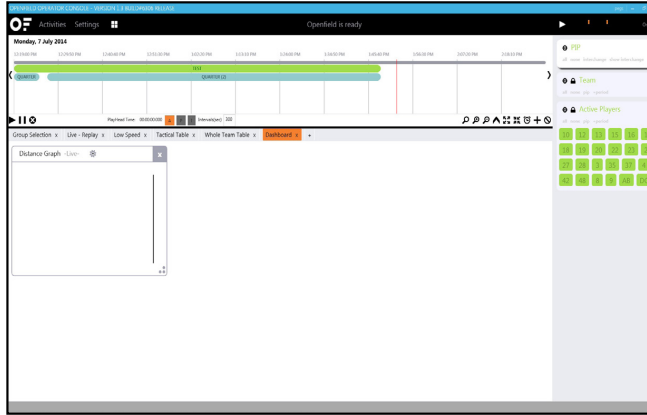
ActivityTime 000922.62

PayNet Time: 12:07:00 PM | Incomplete: 300

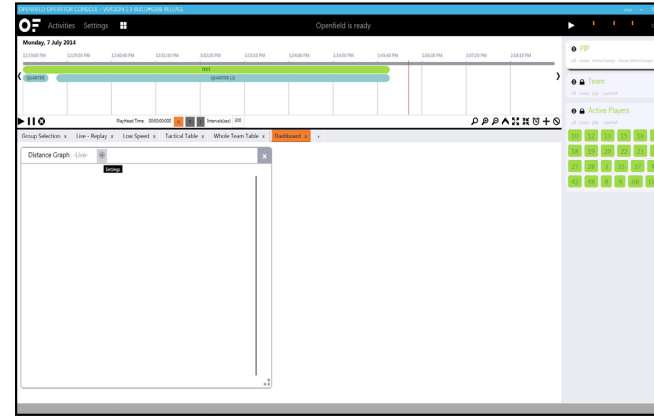
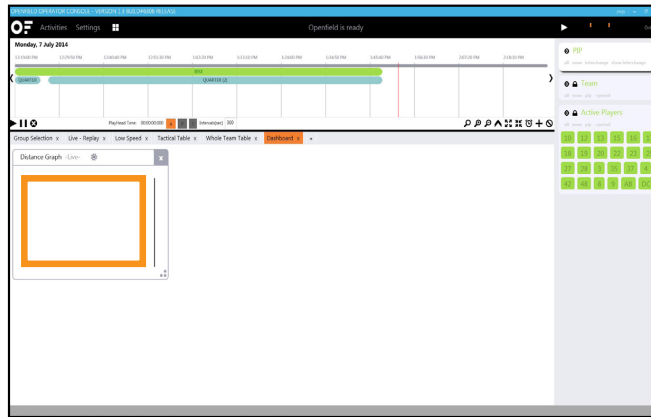
SUMMARY	FIRST NAME	LAST NAME	TOT DST	PLAYER LOAD	V1 DST	V2 DST	V3 DST	V4 DST	V5 DST	V6 DST	V7 DST	V8 DST	MAX V
Cam	Lucan	2017.80	7382.95	89.80	151.50	275.50	815.50	953.00	0.00	0.00	0.00	0.00	9.60
Dan	Cannell	1664.80	2041.18	42.00	188.80	408.10	401.10	529.00	0.00	0.00	0.00	0.00	9.60
Leahat	Jones	1973.00	2155.18	47.80	186.20	308.40	725.30	733.80	0.00	0.00	0.00	0.00	9.60
David	Forrest	1676.50	1870.03	55.00	216.40	478.30	465.10	440.10	0.00	0.00	0.00	0.00	9.60
Sean	Towner	1834.40	2092.86	32.80	217.00	558.70	605.80	527.80	0.00	0.00	0.00	0.00	9.60
Chris	Cannell	1938.00	2734.64	52.00	215.60	271.80	589.60	802.00	0.00	0.00	0.00	0.00	9.60
Cal	Gloufford	1777.00	1922.11	58.40	207.40	558.70	520.70	447.50	0.00	0.00	0.00	0.00	9.60
Sahand	Charamzadeh	2211.40	2377.03	40.40	180.80	392.70	644.50	688.20	0.00	0.00	0.00	0.00	9.60
Jason	Standerby	1994.10	2127.21	42.00	220.00	207.50	775.10	670.00	0.00	0.00	0.00	0.00	9.60
Andrew	Khalouf	2423.00	2350.02	37.00	158.00	378.90	776.00	810.00	0.00	0.00	0.00	0.00	9.60
Rob	Buckley	1967.00	2136.78	40.40	204.60	468.30	695.70	567.00	0.00	0.00	0.00	0.00	9.60
Sanjoo	McCam	1990.10	2124.71	42.00	242.20	268.10	595.90	888.00	0.00	0.00	0.00	0.00	9.60
Josh	Friend	1997.20	2181.82	34.00	167.00	429.80	691.40	656.10	0.00	0.00	0.00	0.00	9.60
Daniel	Fisher	1911.00	2074.88	7.40	325.50	463.60	568.80	558.80	0.00	0.00	0.00	0.00	9.60
Brad	Jones	1991.10	2171.03	42.10	147.20	377.40	624.00	810.00	0.00	0.00	0.00	0.00	9.60
Brad	Wainwright	1748.00	1948.96	28.00	319.00	251.80	611.10	708.00	0.00	0.00	0.00	0.00	9.60
Jul	Watson	1908.90	2111.32	46.70	241.00	564.30	423.60	641.40	0.00	0.00	0.00	0.00	9.60
Tom	Black	1761.40	1915.28	47.50	226.30	584.40	336.10	524.20	0.00	0.00	0.00	0.00	9.60
Aaron	Bell	1804.80	2001.36	31.10	210.00	516.50	606.70	455.40	0.00	0.00	0.00	0.00	9.60

Creating and modifying widgets

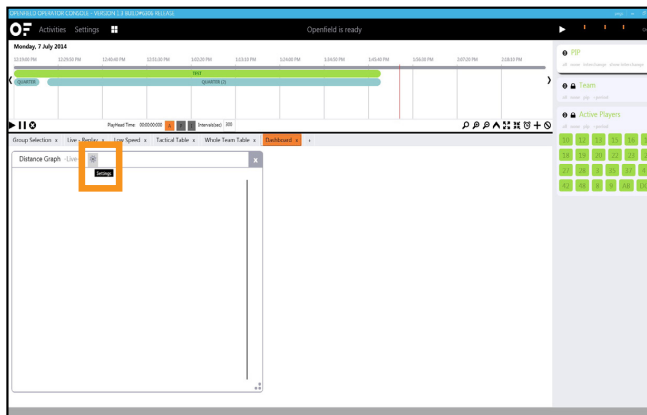
OpenField comes with pre-built dashboards to track a real-time session, but you can create your own. This can be done by simply clicking the '+' button to create a new dashboard.



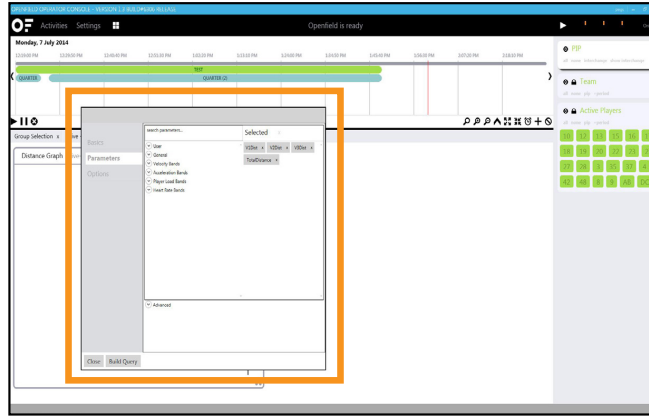
Then, by right clicking in the white space of the dashboard, select 'New Widget' and the design you wish to use. Click and drag from the bottom right corner to re-size the widget.



The parameters and title can be altered by clicking the 'Settings' icon.

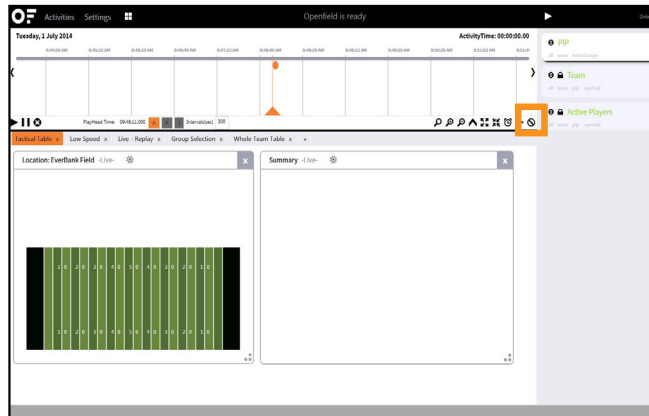


Parameters that you wish to view can be deleted or added from the drop down list on the left, or by searching. Click 'Build Query' when done.

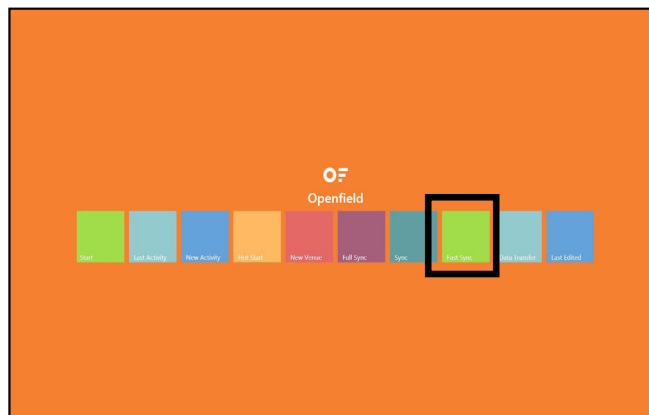


Finishing a real-time session

To finish a real-time session, end all living running periods by clicking the 'Stop All live periods' icon.



Once the periods have stopped, return to your home page and click 'Fast Sync' to sync your live data up to the cloud for immediate reporting and feedback.

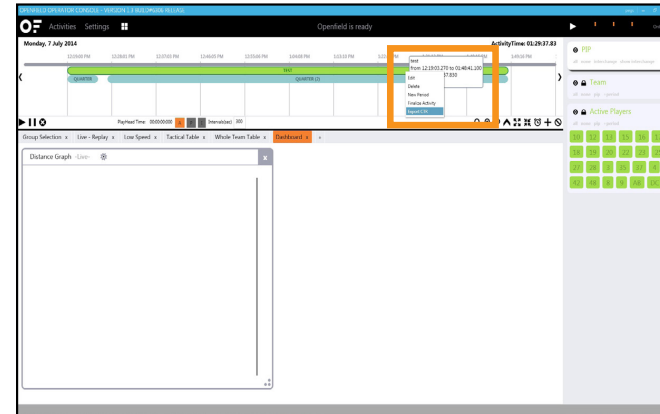
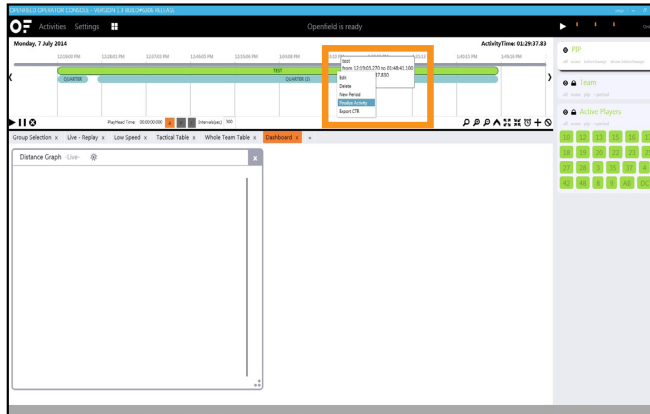


Reporting using real time

It is recommended that monitors are downloaded to the console before generating detailed reports.

There are two ways to view your real-time data:

1. Syncing your real-time session to view your data through the cloud.
2. Generating a CTR after finalizing the activity. To do this, right click on the activity and select 'Finalize Activity', then 'Export CTR':



FINISHING A SESSION

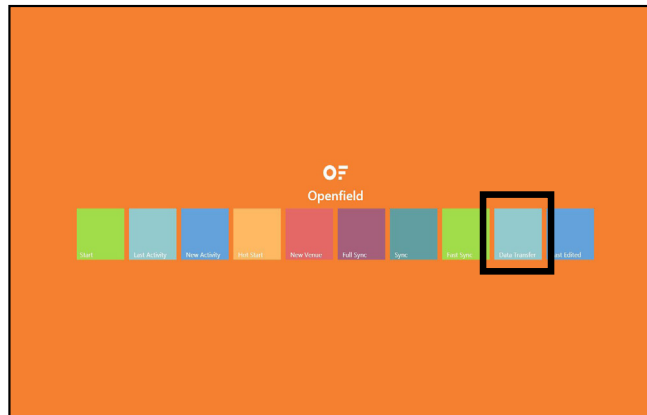
After you have received your monitors post-session, you will need to download the data and sync with the cloud.

The data from the monitors allow calculation of our advanced algorithms to take place and any information missed while running real-time.

TRANSFERRING DATA OFF MONITORS

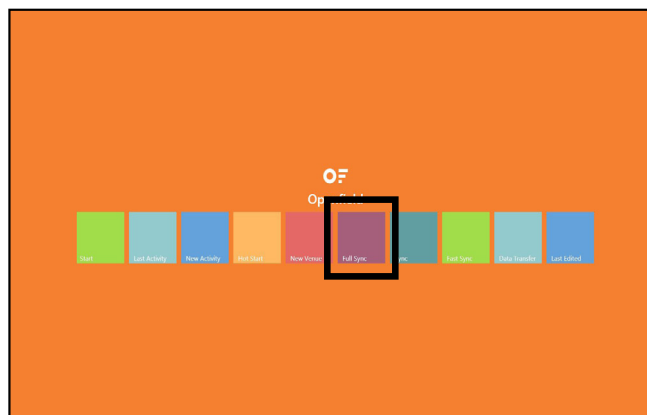
Plug in your monitors to the charge case and push each monitor into its slot one at a time. Only connect one charge case to the computer at a time.

To view the download and import status of your connected monitors, click 'Data Transfer'



Once all monitors have downloaded, make sure all charge cases are disconnected from the computer.

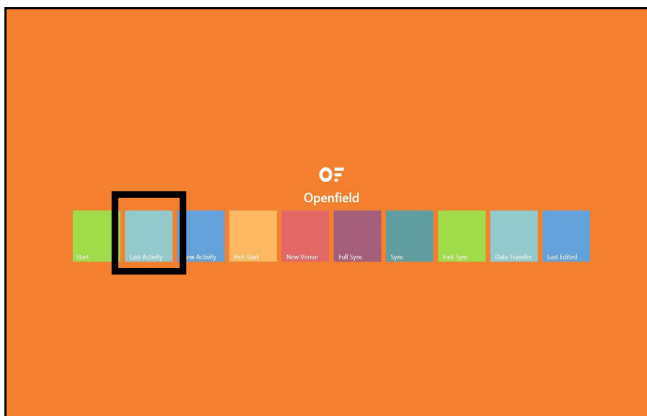
Return to the main menu and run your desired sync.



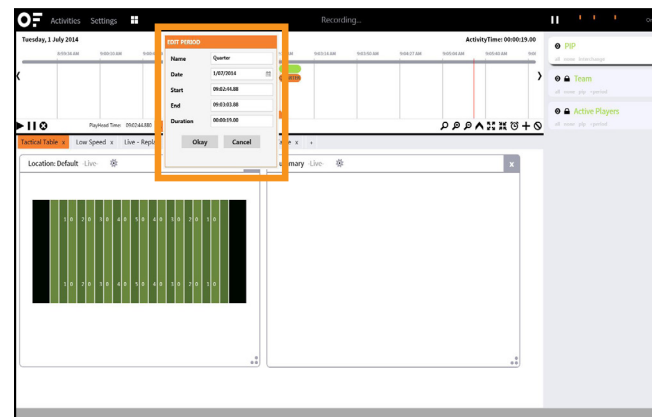
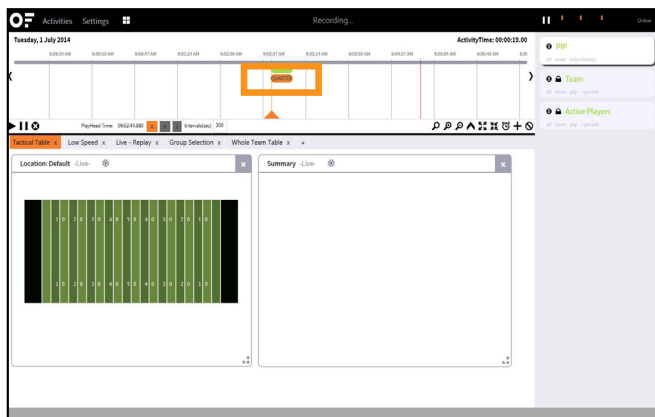
ADJUSTING PERIODS/ADDING NEW PERIODS

Asjusting periods can be done during or after the real-time session. It is highly recommended that any period editing is done on the console before syncing to the cloud.

To edit any periods in the last activity you captured from the main title menu, select 'Last Activity'.



To adjust the start or end time of an existing period, simply right click on the period you want to change and select 'Edit'.

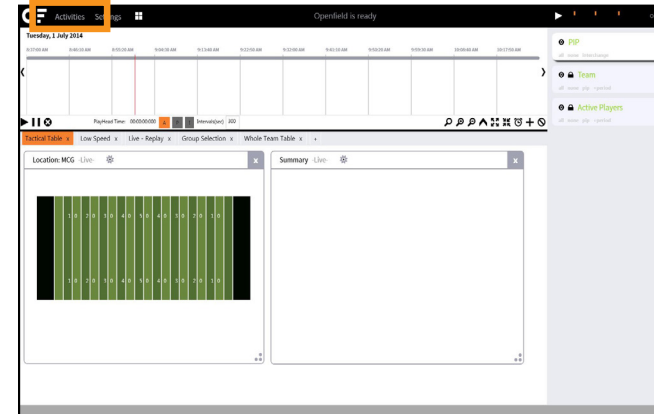
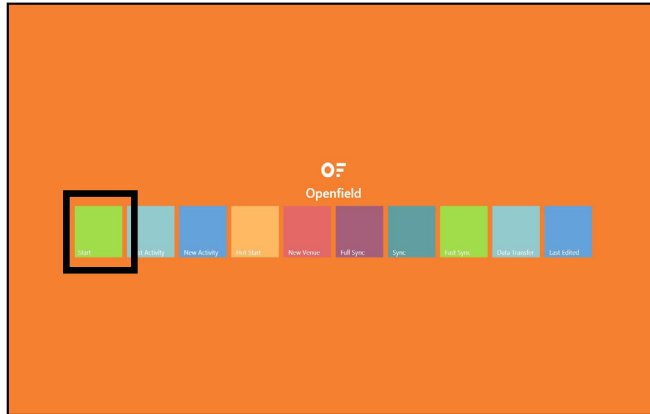


To add a new period to a live session that has already finished, right click the activity and select 'New Period'. Name the period and enter in the start and end time.

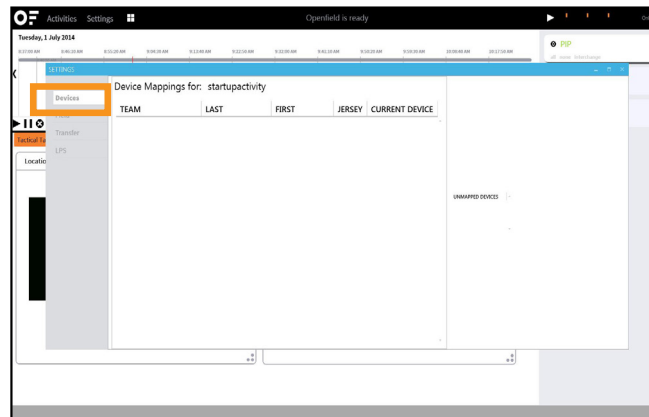
Now add players to this period generated via 'Team', select the athletes you want to add, and then 'PIP'.

REASSIGNING MONITORS

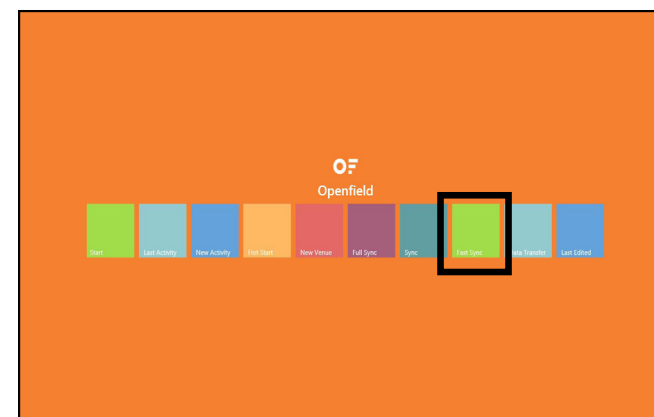
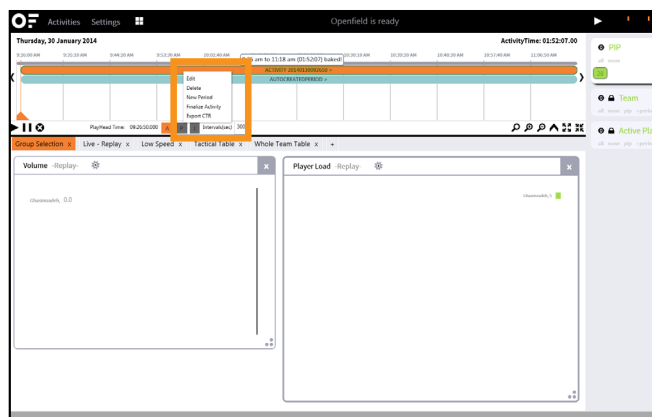
If you want to re-assign a monitor to another athlete, click on the 'Start' tile on the main menu. From the 'Activities' panel, select the session you want to change.



Click on 'Settings', then 'Devices' and re-assign the monitor just for that session.



For these changes to take effect in the cloud, right click on 'Activity' and select 'Finalize'. Then return to the main menu and 'Fast Sync'.



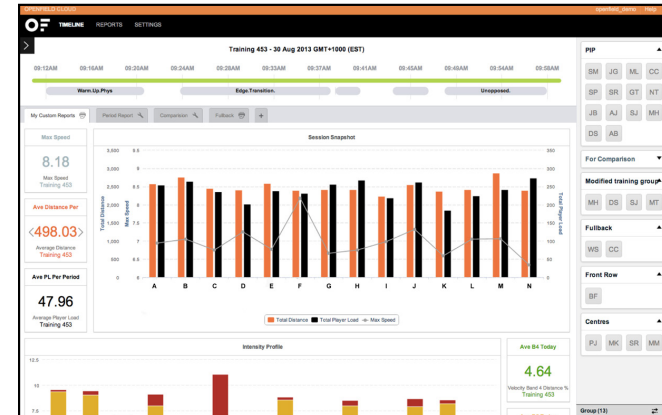
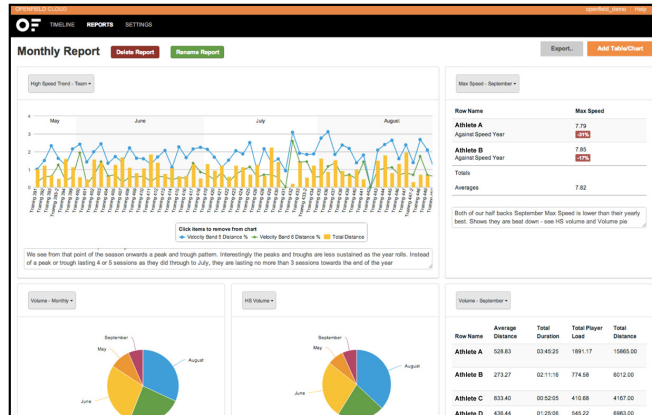
THE WEB USER INTERFACE

After you've completed transferring your data to the cloud, you can in to your web account and start creating reports.

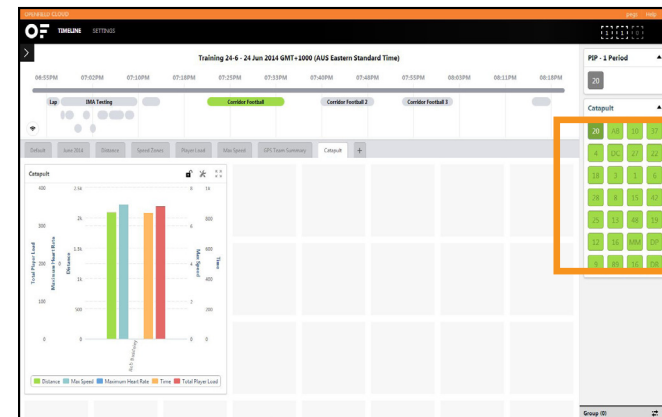
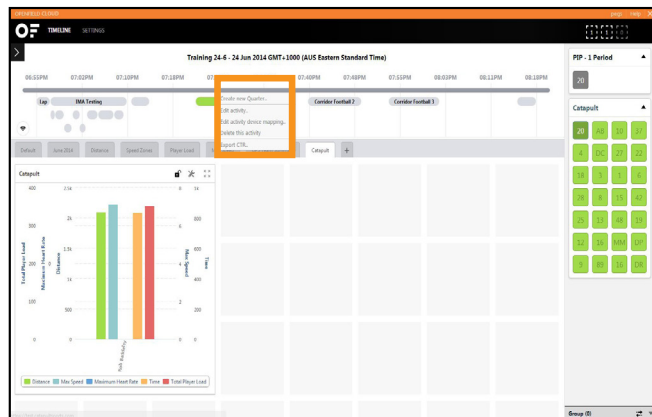
OpenField enables customization of data to let a user make reporting as simple or complex as they choose it to be.

COMPONENTS AND FUNCTION

OpenField cloud has a simple set-up that enables you to create reports, edit timeline, and filter activities.



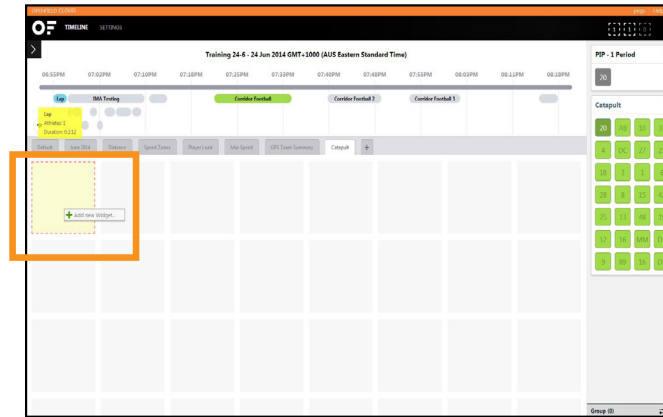
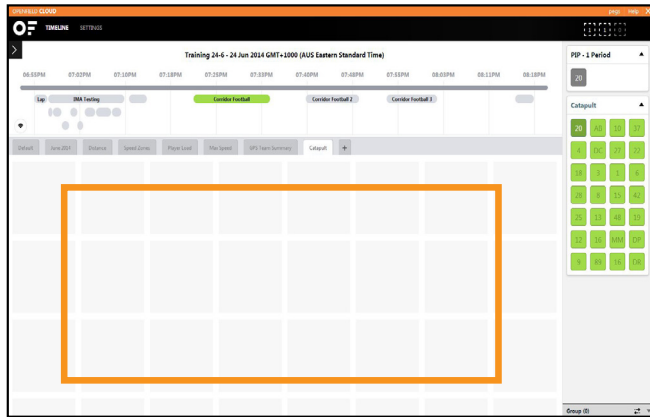
Editing the timeline is done by right clicking the period or session. Athletes can be added by clicking on the period or activity and adding them in to PIP from Player Banks.



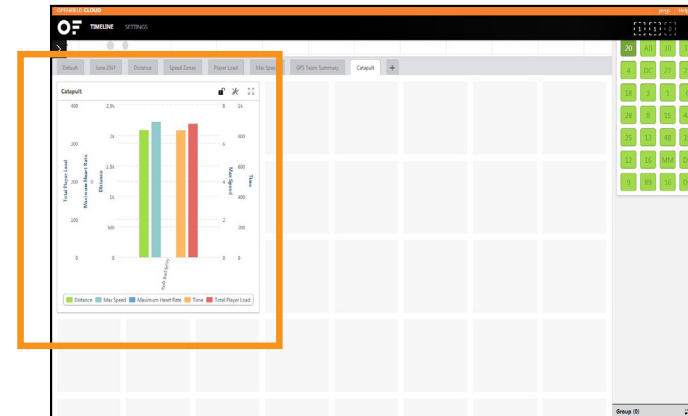
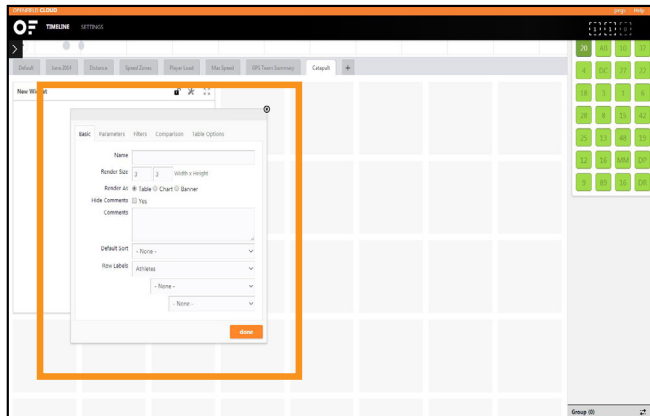
Activities can be selected and filtered by clicking the 'Activity' arrow on the top left.

SETTING UP A WIDGET

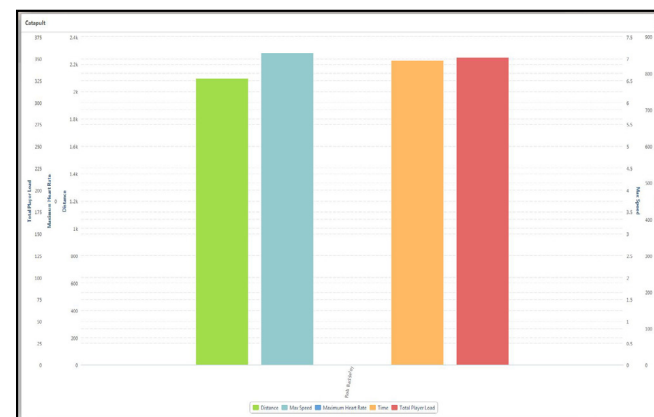
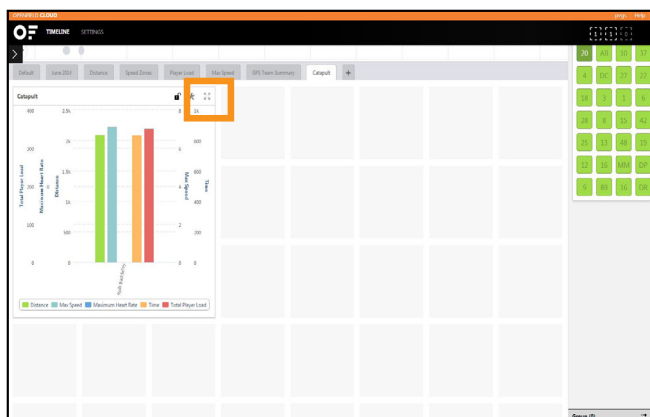
Widgets can be added by clicking on the tiles and selecting 'Add New Widget'.



Configure the widget's design. Designs can also be altered after they're created by clicking on the widgets' 'Settings' icon.



Reports can be viewed in full screen by right clicking the title bar and selecting 'View Full Screen'



TROUBLESHOOTING

THE CATAPULT SPORTS FOLDER

Located in your documents. Contains program settings and files.

Log files

Located in 'Documents', 'Catapult Sports', 'OpenField', 'Logs'.

Contains log information of your OpenField usage.



QUICK START GUIDE

ULTRASONIC WELDED CASE

Unit is splash proof but not waterproof.

ANTENNA

OptimEye S5 logo should always be facing up and away from athlete.

ATHLETE ID STRIP

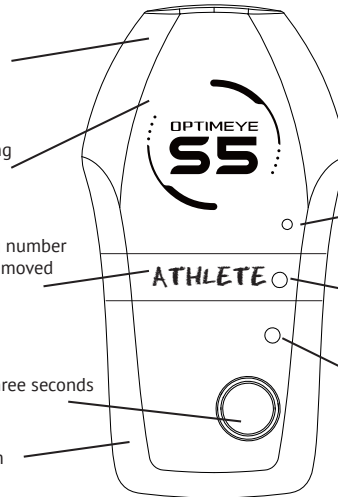
Designed to write athlete's name/playing number with permanent marker - which can be removed with alcohol swabs provided.

BUTTON

Turn on: Hold for two seconds.
Turn off: Hold facing up, press/hold for three seconds

DIMENSIONS

Height 96mm, Width 52mm, Depth 14mm



LED LIGHTS

When on, quickly push button to see battery status.
Three lights mean full, two lights mean 2-4 hours remaining, one light means less than two hours.

TOP LIGHT

In case: Orange charging, green fully charged.
On athlete: Fast flash means searching for satellites, slow flash shows unit locked on.

MIDDLE LIGHT

In case: Shows active USB connection.
On athlete: Shows heart rate has been within range for 60 seconds.

BOTTOM LIGHT

Shows when SmartBall is within range.

INITIAL USE

1. Turn on OptimEye S5.
2. Top LED will blink quickly, indicating it is ready for use with inertial sensors only and is searching for GPS signal.
3. Top LED will blink slowly, indicating GPS lock is attained and unit is ready for full use.
4. It is recommended to wait 15 minutes after slow blink is attained for enhanced accuracy and performance.

NOTE: 15-minute lock time only necessary for initial session or you've travelled more than 20 miles from location of previous session.

CHARGE CASE

1. Install Catapult software.
2. Place units in designated slots.
3. Plug in charge case to power outlet before plugging in to USB.
4. Please wait while drivers are installed.
5. Complete charge is 90 minutes or less.

NORMAL USE

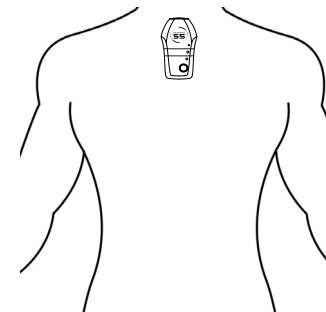
Acceptance of OptimEye S5 means it will be used under normal use.

Normal use includes placement on the thoracic region of the spine on pads or in a Catapult-approved padded pocket inside a compression garment - and in a playing area free of electrical interference.

This placement ensures optimal data reception and transmission, as well as athlete safety. Any other placement may void warranty or affect performance.

OptimEye S5 is not a medical device.

Please contact support@catapultsports.com for further information.



APPENDIX

Be sure to read the Warnings and Cautions at the conclusion of this document to learn to use your Optimeye System safely and responsibly.

CE

The CE mark is used to mark conformity with the European Union EMC directive 99/5/EC, 2004/108/EC and 2006/95/EC.

FCC

“This device complies with Part 15 of the FCC Rules and Industry Canada’s licence-exempt RSS standards. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.”

Le présent appareil est conforme à la section 15 de la réglementation FCC et CNR d’Industrie Canada applicables aux appareils radio exempts de licence.

L’exploitation est autorisée aux deux conditions suivantes :

- (1) l’appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

Warning: Any changes or modifications not expressly approved by Catapult Sports Pty Ltd could void the user’s authority to operate this equipment

Technical Specifications

This section provides technical specifications for the Optimeye Athlete Tracking system, consisting of Multi Charger Case & Power Supply, Optimeye devices, and optional Optimeye Transceiver device.

Multi Charger Case Power Supply		
	North America	120V, 60Hz, input
	United Kingdom, Australia	240V, 50Hz, input
	Europe	230V, 50Hz, input
	Japan	100V, 50/60Hz, input
	All regions (output):	24 V DC @ 8.4A output
Physical Specifications		
	Dimensions:	170 x 85 x 42.5 mm (6.69" x 3.35" x 1.67")
	Weight:	1kg (2.2 lb)
Environmental Specifications		
	Operating temperature:	0° to 40° C (32° to 104° F)
	Operating humidity:	90% maximum relative humidity, noncondensing
Electromagnetic Emissions		
	Meets requirements of:	FCC Class B EN55022 Class B EN55024 Class B

Multi Charger Case		
	All regions (input):	24 V DC, input
Physical Specifications		
	Dimensions:	550 x 330 x 220 mm (21.65" x 12.99" x 8.66")
	Weight:	4kg (8.8 lb)
Environmental Specifications		
	Operating temperature:	0° to 40° C (32° to 104° F)
	Operating humidity:	90% maximum relative humidity, noncondensing
Electromagnetic Emissions		
	Meets requirements of:	EN 55022, EN55024, EN 61000-3-2 EN 61000-3-3 AS/NZS CISPR 22 FCC Part15B

Optimeye S5/X4 device		
	All regions (input):	5 V DC @ 1.05A max
Physical Specifications		
	Dimensions:	96.5 x 52 x 14 mm (3.8" x 2.0" x 0.55")
	Weight:	0.067 kg (0.148 lb)
Environmental Specifications		
	Operating temperature:	0° to 40° C (32° to 104° F)
	Operating humidity:	90% maximum relative humidity, noncondensing
Electromagnetic Emissions		
	Meets requirements of:	EN 301 489-1,17,19 EN 300 328 EN 62209-2 EN 60950-1 AS/NZS CISPR 22 FCC Part 15B/C MPE (FCC SAR) ICES-003 RSS-210 RSS-102

Disposal of the Device

Please dispose of the device in an appropriate way, treating it as electronic waste. Do not throw it in the garbage.
If you wish, you can return the device to your nearest Catapult's representative.



Warning

Failure to avoid the following potentially hazardous situations may result in an accident resulting in death or serious injury.

The Optimeye contains a non-user replaceable, rechargeable lithium-ion battery. The battery may present a risk of fire or chemical burn if mistreated.

- Do not recharge out of the unit, disassemble, heat above 60°C, or incinerate
- Dispose of Optimeye properly. Contact your local waste disposal department for information on properly disposing of lithium-ion batteries.

The Optimeye has no user-serviceable parts. Should you ever encounter a problem with your unit, please take it to an authorized Catapult representative for repairs.

Always consult your physician before beginning or modifying any exercise program. If you have a pacemaker or other implanted electronic device, consult your physician before using the Optimeye system.



Caution

Failure to avoid the following potentially hazardous situations may result in injury or property damage.

Use the Optimeye only as a performance monitoring aid. Do not attempt to use the Optimeye for any purpose requiring precise measurement of direction, distance, location, velocity or topography. This product should not be used to determine ground proximity for aircraft navigation.

The Global Positioning System (GPS) is operated by the United States government, which is solely responsible for its accuracy and maintenance. The government's system is subject to changes which could affect the accuracy and performance of all GPS equipment, including the Optimeye. Although the Optimeye is a precision navigation device, any navigation device can be misused or misinterpreted and, therefore, become unsafe.

The Optimeye and its included heart rate monitoring circuit is a consumer device, not a medical device, and could suffer from interference from external electrical sources. The heart rate readings are for reference only and no responsibility can be accepted for the consequences of any erroneous readings.

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