





# **Soccer Application**

The Soccer Application has been made for the WASP3D Community. It is programmed using the Wasp3D Shot box SDK.

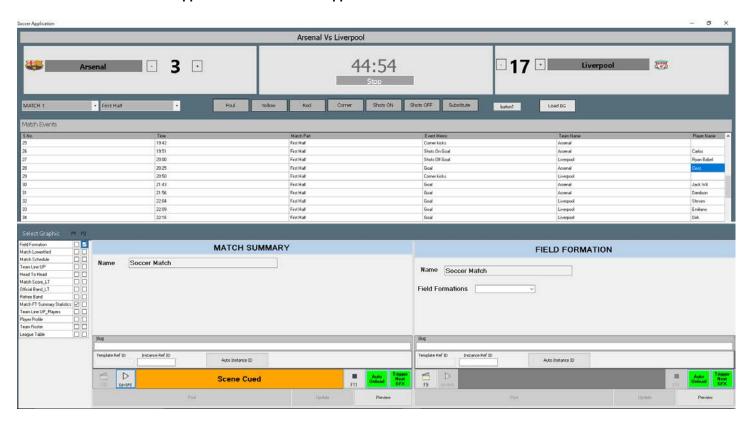
The intent of creating this application is to demonstrate how users can create custom applications & control the graphics On-Air which are played out on WASP3D Sting Server or WASP3D Frame Sting Server.

The application demonstrates two major aspects

- 1. How to populate the UDT from an external application?
- 2. How to control the templates through the SDK (Load, unload, Play, Pause etc.?)

It serves as a host for the Soccer scorecard. This application displays & updates the scoreboard as well as other graphics which are onair. It also updates the data to the Data base, which is further linked to the various data fields in different graphics. Therefore, it updates the scoreboard data automatically. So no extra effort or manpower is required to update the general database - it just works.

Below are the details of the application and how it is supposed to work.







This application would be used to trigger graphics during the match as well as manage the score and other match information for the selected match.

The match schedule would be updated in a UDT which is be a receiver as well as source for the updated data to and from the application respectively.

The Select Match button would list the matches as per the schedule entered in the UDT and the Select Part button would select the 1st half, second half or extra time.

The **Home team** and **Away team** would automatically get selected depending upon the match selected and would also get updated in the Score Bug graphic as well as all the respective graphics.

The updates to score and timer start stop are directly linked to the Score Bug, so any updates to in the application would update the score and timer.

When the User selects any particular event like **Foul**, **Yellow**, **Red** etc. he would be prompted to select the team and player who made the foul, or received yellow/red card. Match events would display a log of match events.

The selected event would trigger the event based graphic on-air.

The Select Graphic column displays a list of graphics which are played during match presentation, after 1st half or at the end of match. These graphics can be selected to load in a particular player P1 or P2 based on which one is empty or selectively by using the radio button.

The Data for all the match presentation graphics would be sourced from the UDT.

Some graphic data selections would be made on the template's Player form also. For e.g. - Team Line Up or Team Roaster, the combo box to select the team (home or away) would be available in the player form.

All the templates, have an evict functionality. **Evict functionality**, plays out the graphics on air when we Cue(F9) the second graphic. Once the graphic on air animates out, it raises another trigger for the cued graphics to play itself.

The score bug will come by default on the server. All the actions for the score bug like **start timer**, **extra time** will be triggered through the application in real-time.

There is a "Load BG" button, which loads & unloads the background stadium template from the Server.

There are three UDT- Soccer Match Schedule, Soccer Match & the League Table. The structure and functionality of these is defined in the document from Page 5 to Page 8.

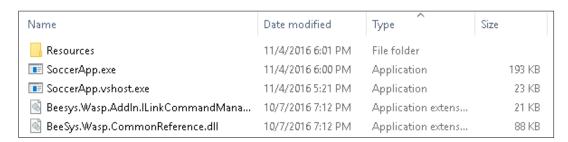
Each template contains the help document for creating the template. To access the help document. Navigate to Object Pool(F3)>Meta Data Tab> & click the "Attach Help Document" button located at bottom of the Object Pool window. The same is shown in the image below.







The "Soccer Version 3.8.1" contains all the files & folders.



Resources folder has all the w3d files- "Soccer Scenes" & the UDTs. Unarc the scenes for all the assets.

User must have an X drive on the machine, as all the texture, shapes & 3d models are coming from X drive.

Make sure Microsoft SQL Server 2012 or above is installed on the machine.

Templates.xml file located in the folder contains the individual template path from which they will be loaded in the application. Make sure your located as per the location specified in the XML. The path can also be changed as per requirement.





# **Sting Server**

Go to Soccer Application folder- SoccerApp.exe.config & put the IP of the machine on which sting server is running.

Switch on Sting Server to see the Final Output.

Once all the settings are done, play the exe. File to run the application.

```
■ SoccerApp.exe 11/4/2016 6:00 PM Application 193 KB
```

Please install the Skeletal Animation addin is installed & configured on the machine for the field formation template.

Please follow the link below on how to use the Skeletal Animation:

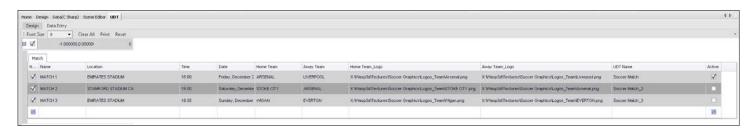
https://s3.amazonaws.com/forum.wasp/DOCS/UserGuides/ImportSkeletalMesh.pdf





#### **Soccer Match Schedule**

The Match Schedule UDT, contains all the data related to the match time, location, teams playing & the UDT names which has all the data related to that teams & players playing the match. When user selects the match from the application, the respective row of the match details gets checked on.











## **Soccer Match**

It contains all the data related to the Teams, Match Statistics, Match Events. When user updates the data in the application, the same is updated/added to the UDT. This data is linked to the various graphics, through simple drag & drop functionality, therefore it updates the data in the graphics while they are on air.

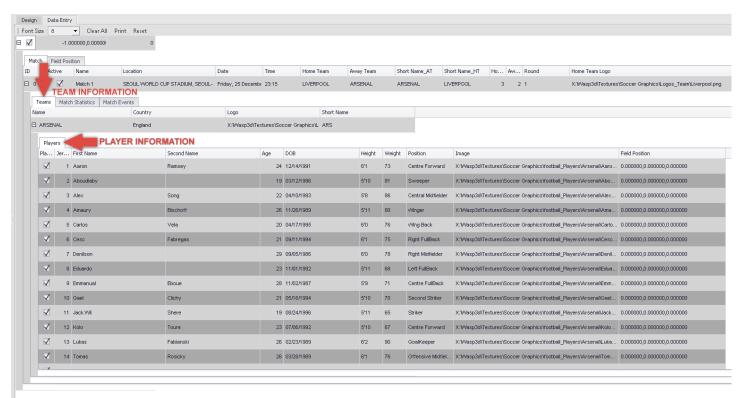
The current UDT, has three tables – Team, Match Statistics, Match Events

The Team table contains teams & players' information.









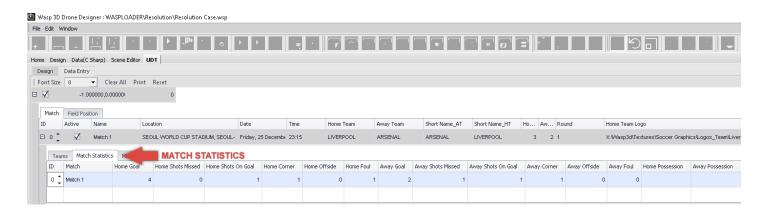






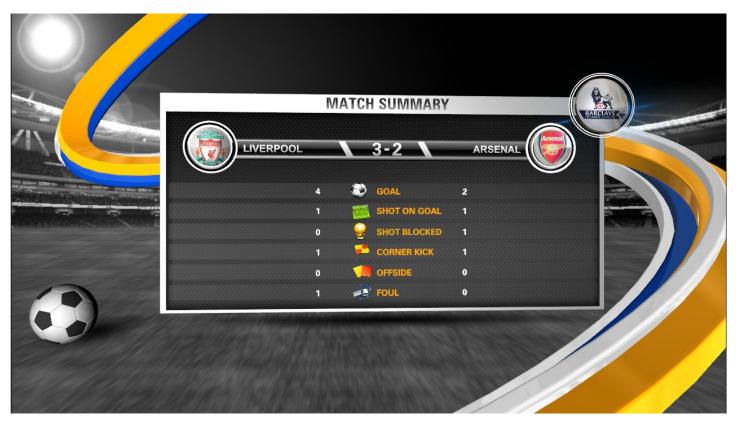


Match Statistics table contains all the score stats, goals scored by time segment.

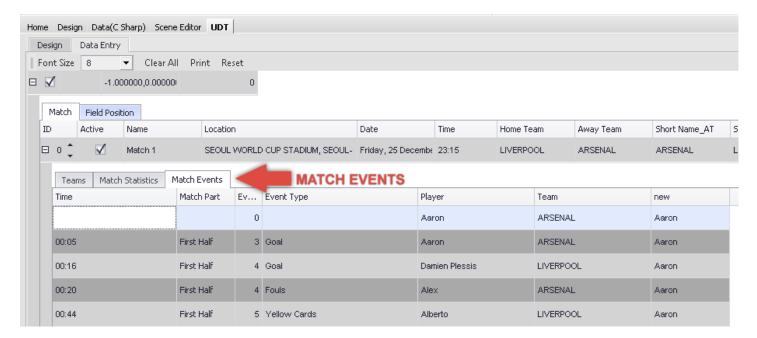








The Match events table contains all the events; user selects the event from the application. Any new event selected on the application will create a new entry in the UDT.









### League Table

This is an independent UDT, has no link with other UDT's.

