

HawkEye Relay Setup

Overview

The HawkEye Relay App connects to Hawkeye data via AMQ (Apache Message Queue).

AMQ is a method of delivering semi-realtime data from an offsite server to remote clients which 'subscribe' to certain feeds.

The replay APP forwards the incoming messages (in KSON format) to a UDP listener; In our case, LaunchPad.

Download

Visit docs.motionrocket.com/rtd-parser-dlls/HawkEye to get the required files. There is an installer for the Replay App as well as the DLL file needed by LaunchPad.

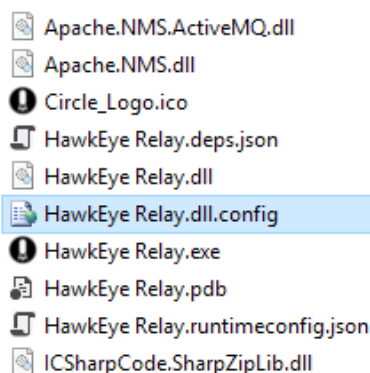
Index of /rtd-parser-dlls/HawkEye

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
<hr/>			
Parent Directory		-	
HawkEyeAMQ Bridge 20..>	2024-05-13 11:40	911K	
HawkEyeAMQ DLL 20240..>	2024-05-13 11:42	7.5K	
PitchSpeed-AMQ Info ..>	2024-05-13 11:44	1.0K	

Configuration

After installation, we need to enter the location specific username, password, and venueID .

Locate the HawkEye Relay.dll.config file. Edit it using a text editor.



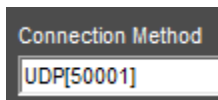
Credentials

Edit the text file to use the required username, password, and VenueID.
This information is generated by MLB and will be given at the time of install.
Edit the DEST_IP to be the local IP of the launchpad, 127.0.0.1, or a broadcast IP such as 192.168.0.255.

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <appSettings>
    <add key="VENUE_ID" value="2815"/>
    <add key="DEST_IP" value="192.168.86.255"/>
    <add key="DEST_PORT" value="50001"/>
    <add key="SOURCE_PORT" value="50000"/>
    <add key="BROKER_USERNAME" value="snj-afx-amq-venue"/>
    <add key="BROKER_PASSWORD" value="PGABYMQLvNb3z8YKL"/>
    <add key="BROKER_FAILOVER" value="failover:(tcp://activemq01.motionrocket-club.i
    <add key="TOPIC_NAME" value="mlbam.feed.2.0.broadcast.field.ball.data.2815"/>
    <add key="BROKER_CLIENT_ID" value="ActiveMqSubscriber_MOTIONROCKET"/>
    <add key="BROKER_CONSUMER_ID" value="ActiveMqSubscriber_MOTIONROCKET"/>
  </appSettings>
</configuration>
```

LaunchPad Configuration

Since the data will arrive from the Relay App via UDP, configure Launchpad to listen for UDP on port 50001 (from config file in previous step).
Set the DLL file you downloaded as the current DLL.



Connection Method
UDP[50001]

Available Data Fields

This is a list of the current data received from HawkEye.

Index	Description
0	GameMode[0]
1	PitchSpeed[1]
2	PitchTypeCode[2]
3	PitchTypeDesc[3]