

User Documentation

StreamLog Assistant

Influx Technology
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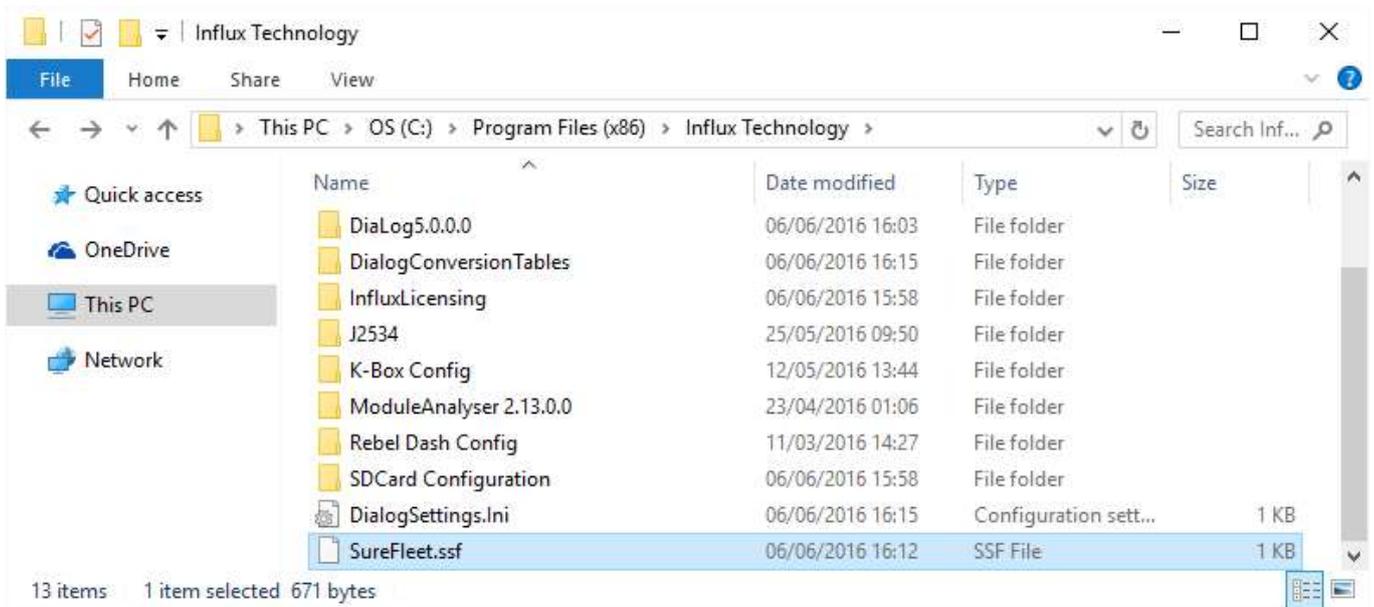
1 DiaLog Configuration

DiaLog must be configuring to be able to interact with the StreamLog Server. To do this a dedicated configuration file supplied with StreamLog must be assigned:

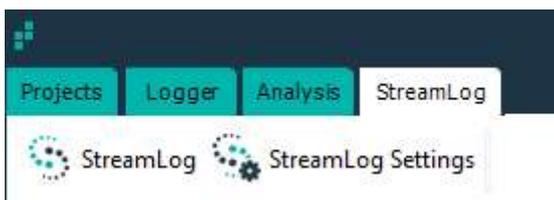
“StreamLog.ssf”

The StreamLog configuration file must be placed within the parent DiaLog installation directory. This is arbitrarily:

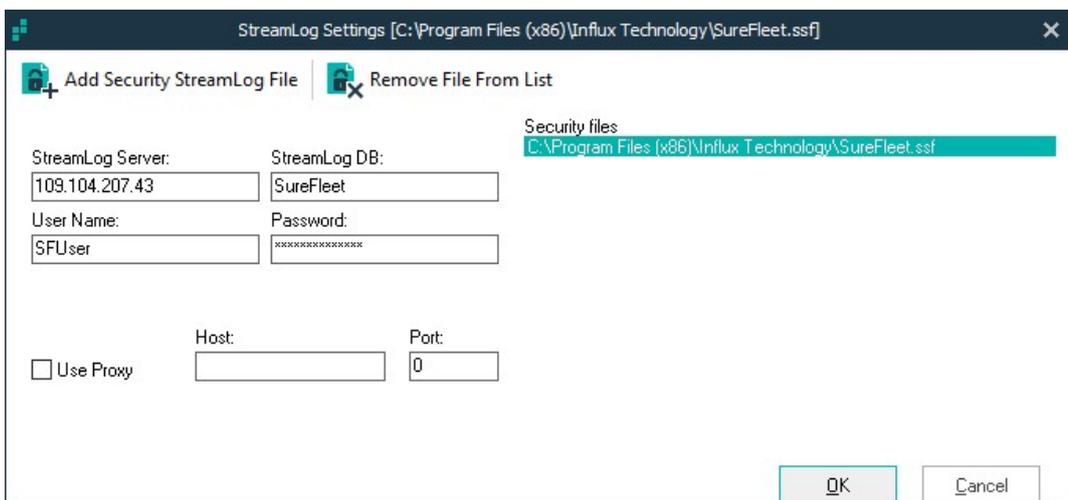
“C:\Program Files\Influx Technology”



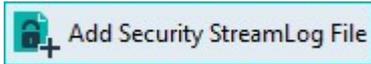
This method is only required for the initial assigning of a .SSF file. This configures DiaLog to allow access to the StreamLog features and in future all management of the configuration files can be performed within the StreamLog settings window in DiaLog. This is accessed using the either the StreamLog Tab as shown below:



Once the Surefleet.ssf file is in place the StreamLog Settings button will show you details of the Server and Database that you are connecting to as follows:



A new configuration file is assigned to DiaLog using the 'Add Security StreamLog file' toolbar icon at the top of the window.

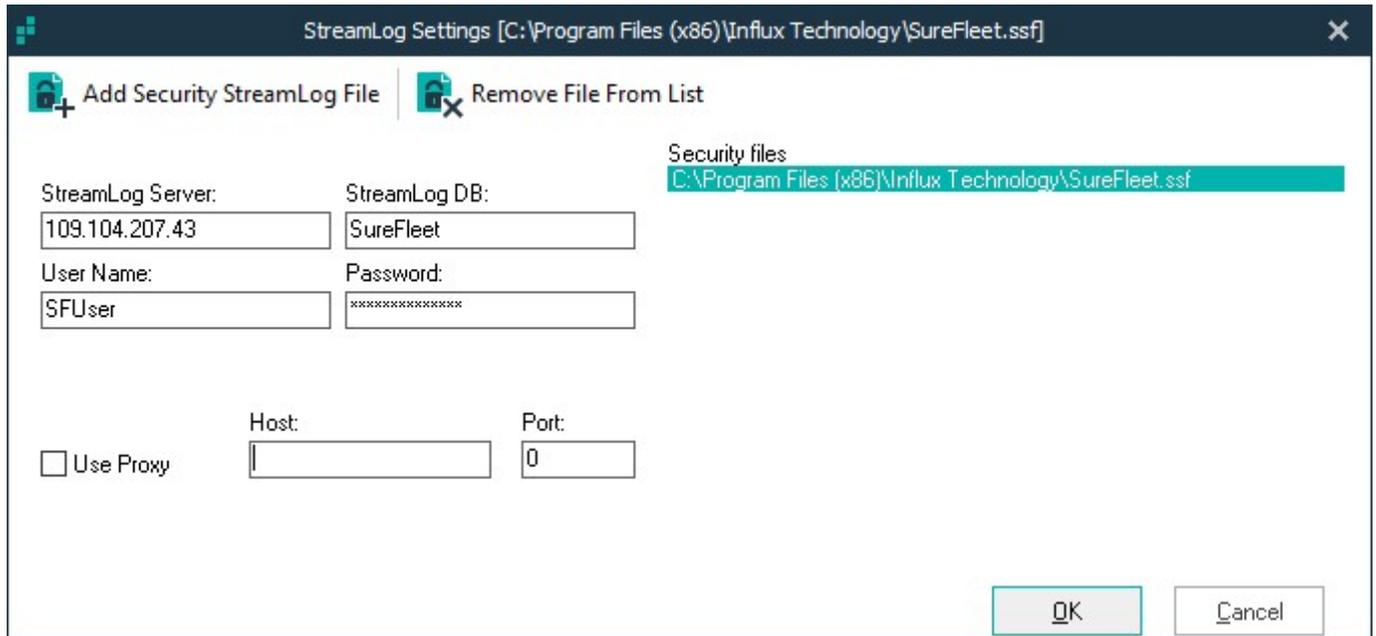


Opens a dedicated window allowing the user to locate and select a .SSF configuration file.

Once a file has been selected it is listed in the 'Security files' panel by location. Multiple files can be assigned to an installation of DiaLog simultaneously. The highlighted file will be the one used by DiaLog to access StreamLog.

Warning:

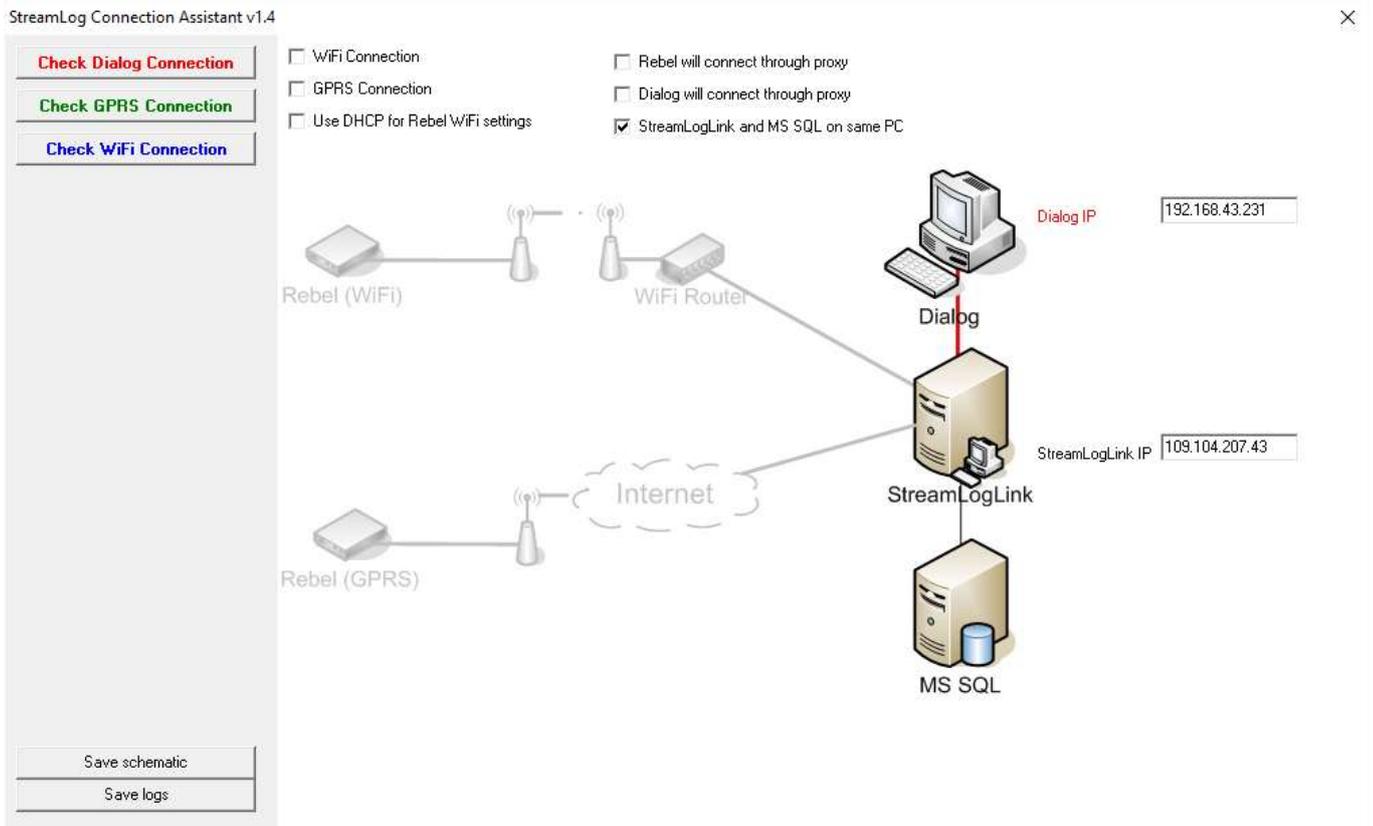
Once DiaLog has been configured using a .SSF file the GPRS settings in the Rebel must be updated to align the Rebel with the Server database.



The image shows a screenshot of the 'StreamLog Settings' dialog box. The title bar reads 'StreamLog Settings [C:\Program Files (x86)\Influx Technology\SureFleet.ssf]'. At the top, there are two buttons: '+ Add Security StreamLog File' and 'Remove File From List'. Below these are two columns of input fields: 'StreamLog Server' (109.104.207.43), 'StreamLog DB' (SureFleet), 'User Name' (SFUser), and 'Password' (masked with asterisks). At the bottom left, there is a 'Use Proxy' checkbox and two input fields for 'Host' and 'Port' (0). On the right, a 'Security files' list contains one entry: 'C:\Program Files (x86)\Influx Technology\SureFleet.ssf', which is highlighted in blue. At the bottom right, there are 'OK' and 'Cancel' buttons.

1.1 Checking communication between DiaLog and the StreamLog Server

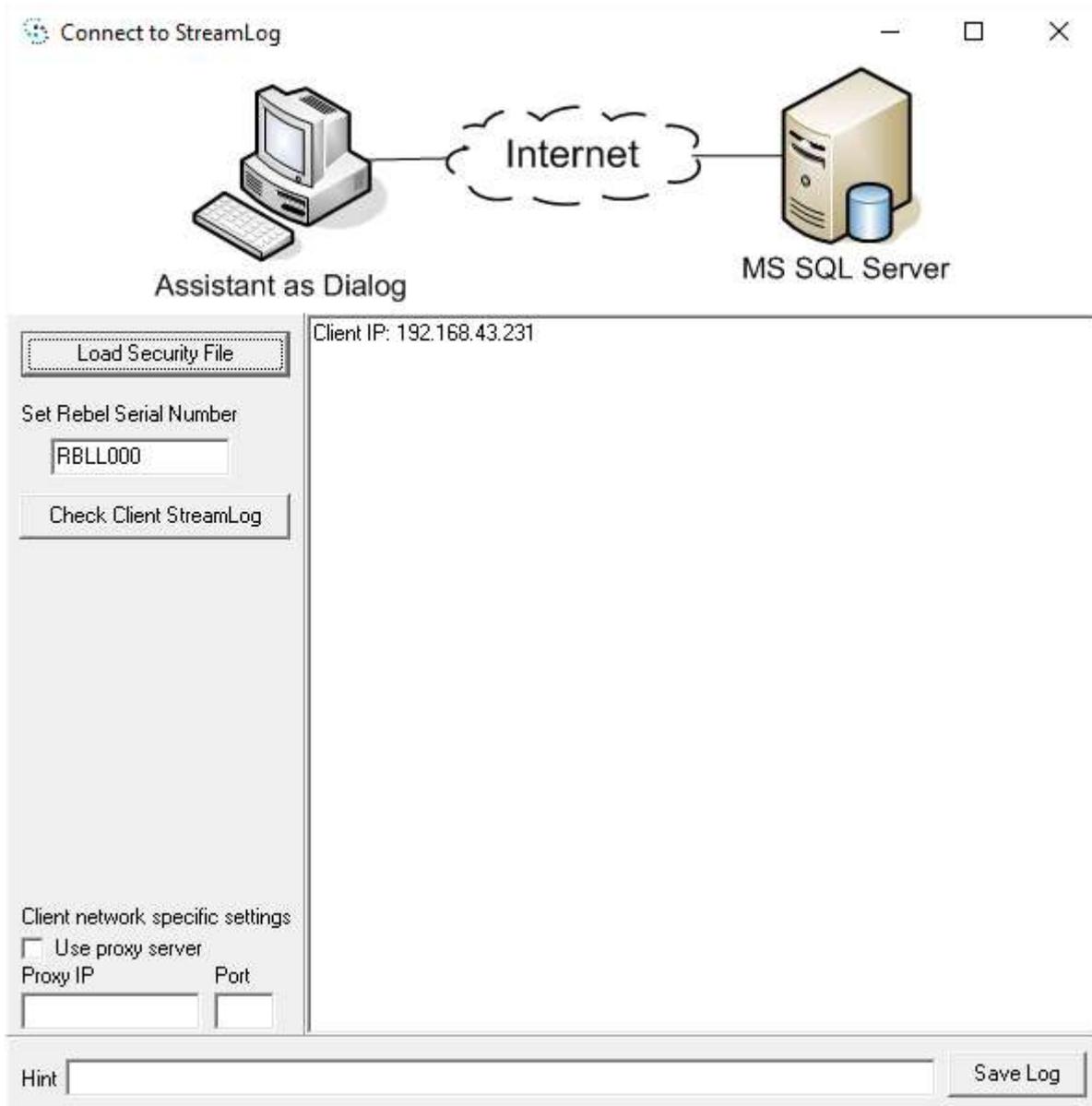
The communications between DiaLog and the StreamLog server can be tested by running the StreamLog Connection Assistant on the PC where DiaLog is installed, once you launch the Application you can see a diagram representing the configuration you wish to use.



Once you are ready press the Check DiaLog Connection button test the Connection between the PC running DiaLog and the StreamLog Server.

Check Dialog Connection

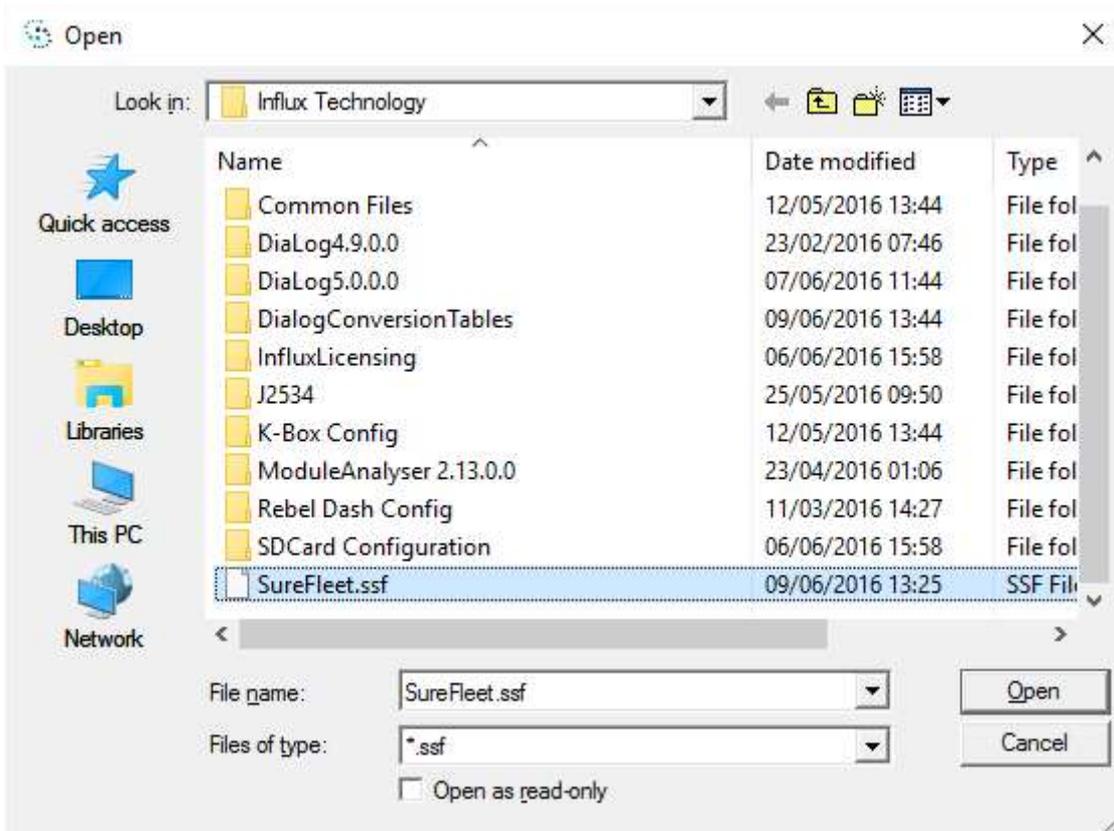
The Following window will be displayed.



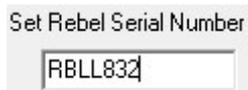
Press the Load Security File Button to Load the "StreamLog.ssf" file.



Then select your file as follows



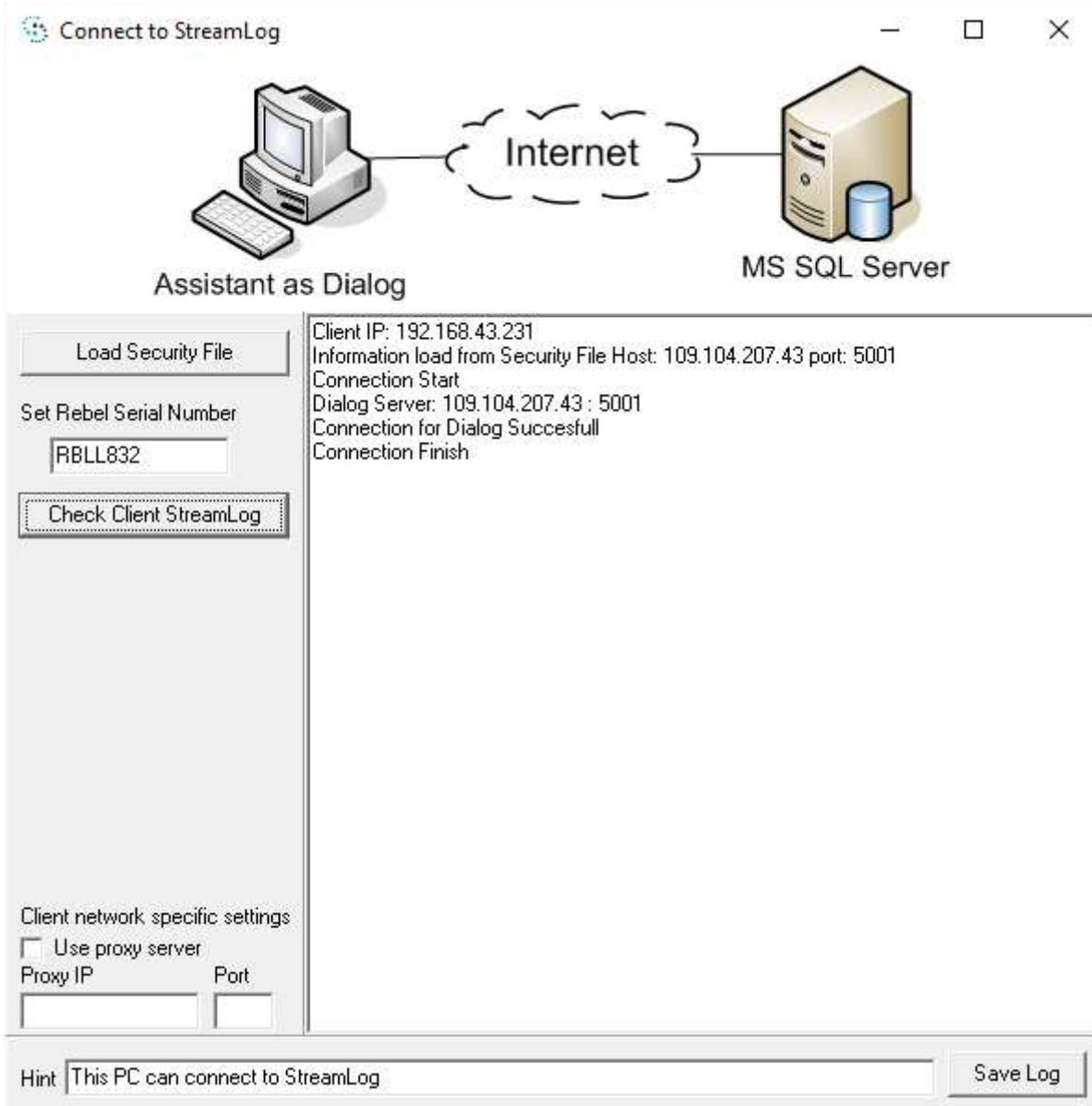
Then Enter the Serial Number of your Logger exactly as it is printed on the Sticker on the Device.



Now click Check Client StreamLog.

Check Client StreamLog

If The PC is able to simulate correct communications between DiaLog and the StreamLog Server the following Message will be displayed.



2 Rebel Set Up

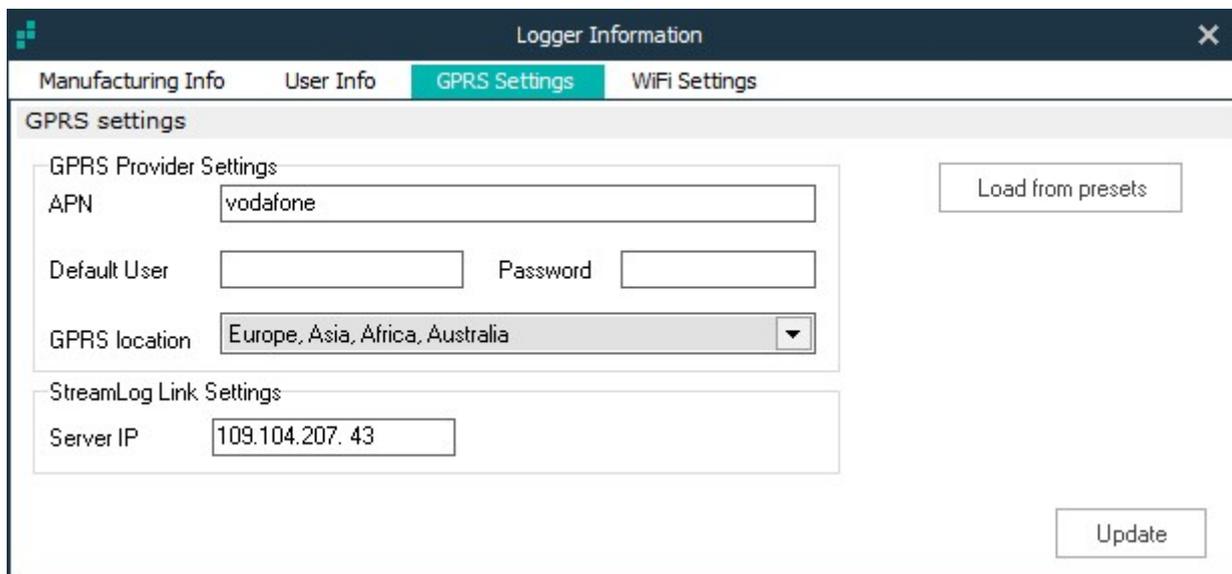
For a Rebel to successfully communicate with the StreamLog server a number of steps WiFi or GPRS Settings need to be configured.

2.1 GPRS settings



Click the 'Settings' toolbar icon on the Logger Tab

Click the 'GPRS Settings' Tab in the 'Logger Information' window.



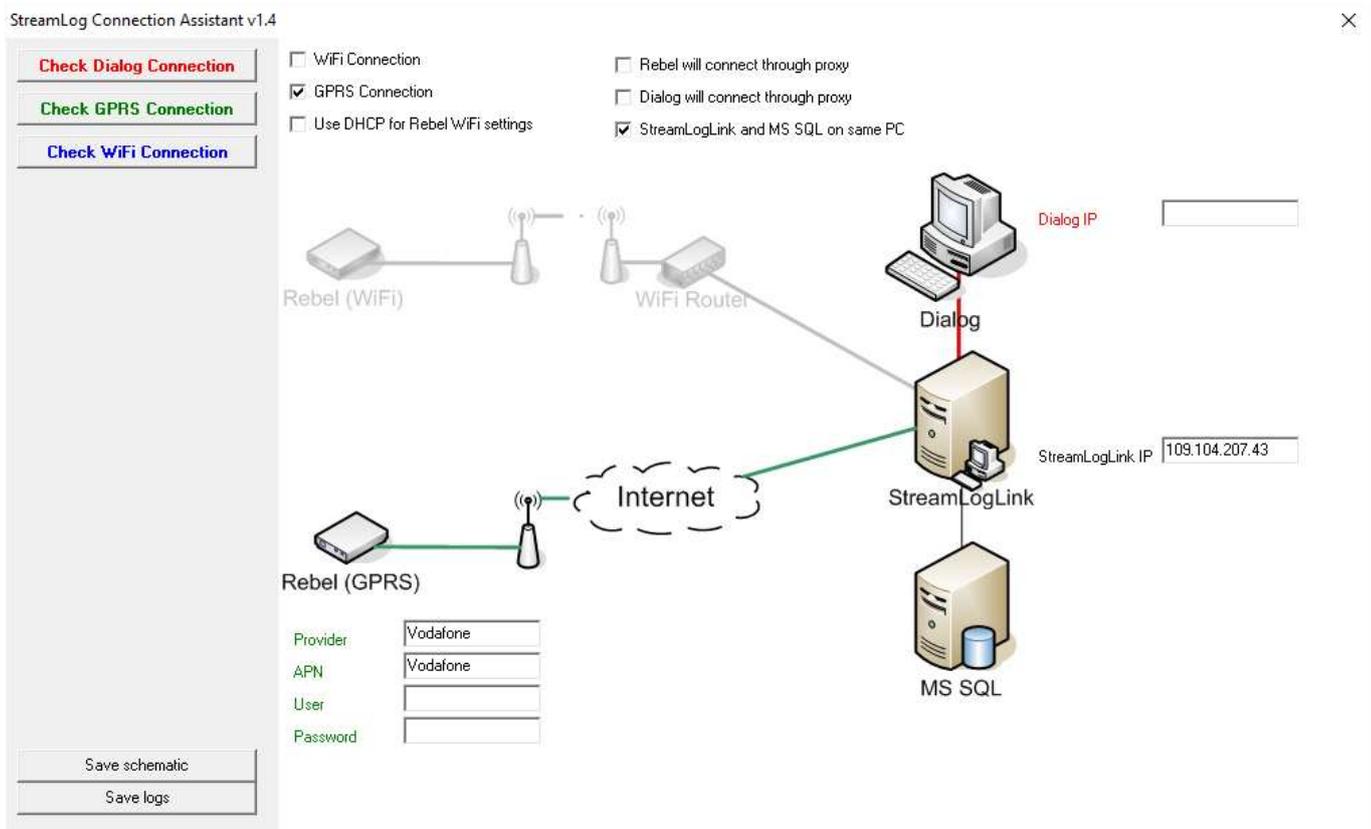
Configure the APN, Default User and Password fields according to your GPRS Data Provider or 'Load from Presets'. A Data Enabled SIM Card with appropriate contract or credit will be required and must be installed in the Logger. Click 'Update' to save the settings to logger.

Warning:

If DialOG is configured with a different .SSF file then the GPRS settings in the Rebel must be updated to align the Rebel with the Server database.

2.2 Checking communication between the Rebel (GPRS) and the StreamLog Server

The communications between the Rebel (GPRS) and the StreamLog server can be tested by running the StreamLog Connection Assistant on the PC where DiaLog is installed, once you launch the Application you can see a diagram representing the configuration you wish to use.



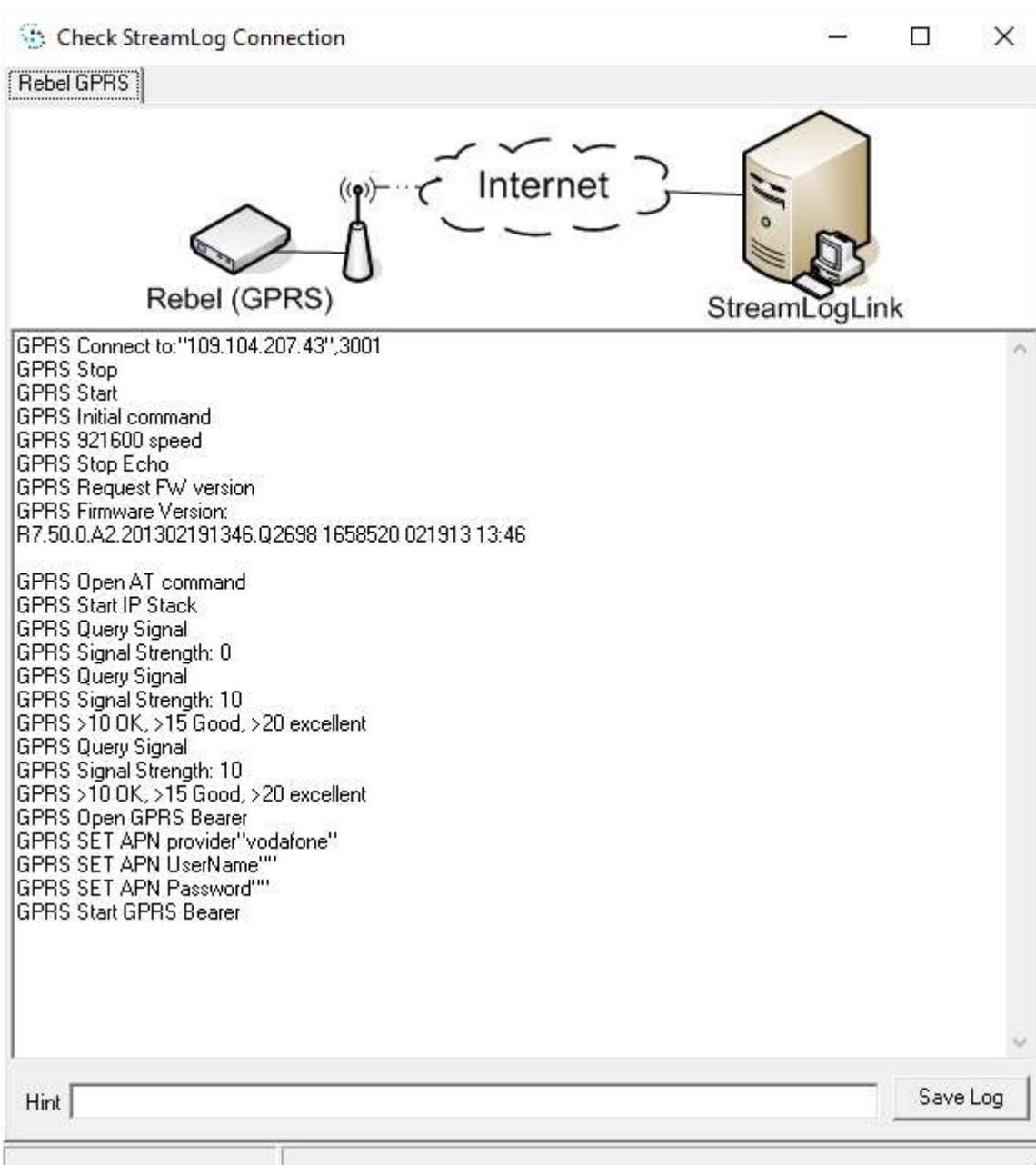
Once you are ready press the Check GPRS Connection button test the Connection between the Rebel (GPRS) and the StreamLog Server.

Check GPRS Connection

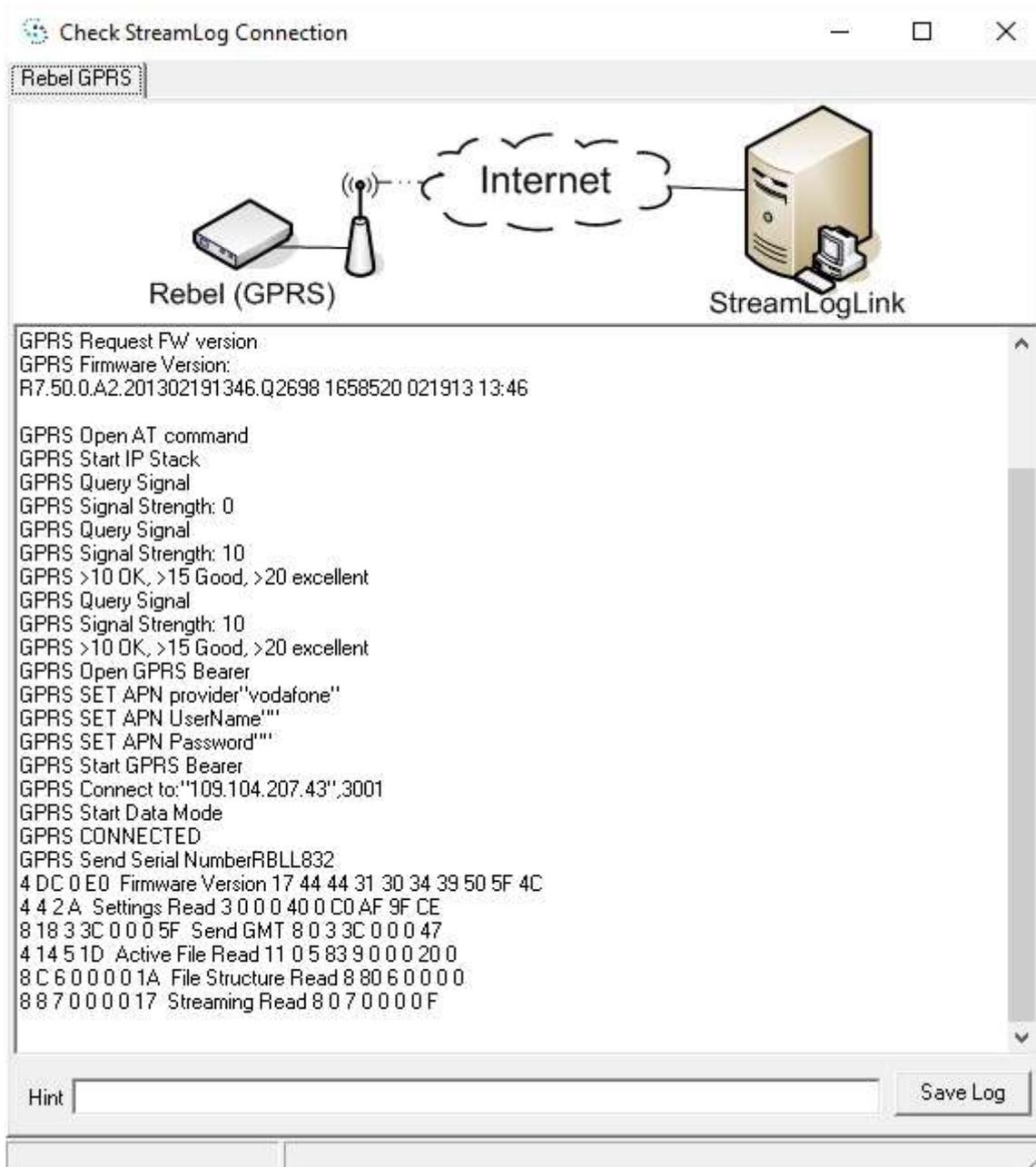
You will be asked to plug the Logger in and ensure that 12V is supplied via the OBD Connector.



After confirming you will see the GPRS connection is started and the Rebel will log into the access point as with the Username and Password it is configured to use, the Logger must have a SIM Card installed with sufficient credit to allow communication.



The following shows successful communication between the Rebel (GPRS) and the StreamLog Server.



Check StreamLog Connection

Rebel GPRS

Rebel (GPRS) — Internet — StreamLogLink

```

GPRS Request FW version
GPRS Firmware Version:
R7.50.0.A2.201302191346.Q2698 1658520 021913 13:46

GPRS Open AT command
GPRS Start IP Stack
GPRS Query Signal
GPRS Signal Strength: 0
GPRS Query Signal
GPRS Signal Strength: 10
GPRS >10 OK, >15 Good, >20 excellent
GPRS Query Signal
GPRS Signal Strength: 10
GPRS >10 OK, >15 Good, >20 excellent
GPRS Open GPRS Bearer
GPRS SET APN provider"vodafone"
GPRS SET APN UserName""
GPRS SET APN Password""
GPRS Start GPRS Bearer
GPRS Connect to:"109.104.207.43",3001
GPRS Start Data Mode
GPRS CONNECTED
GPRS Send Serial NumberRBLL832
4 DC 0 E0 Firmware Version 17 44 44 31 30 34 39 50 5F 4C
4 4 2 A Settings Read 3 0 0 0 40 0 C0 AF 9F CE
8 18 3 3C 0 0 0 5F Send GMT 8 0 3 3C 0 0 0 47
4 14 5 1D Active File Read 11 0 5 83 9 0 0 0 20 0
8 C 6 0 0 0 0 1A File Structure Read 8 80 6 0 0 0 0
8 8 7 0 0 0 0 17 Streaming Read 8 0 7 0 0 0 0 F
    
```

Hint

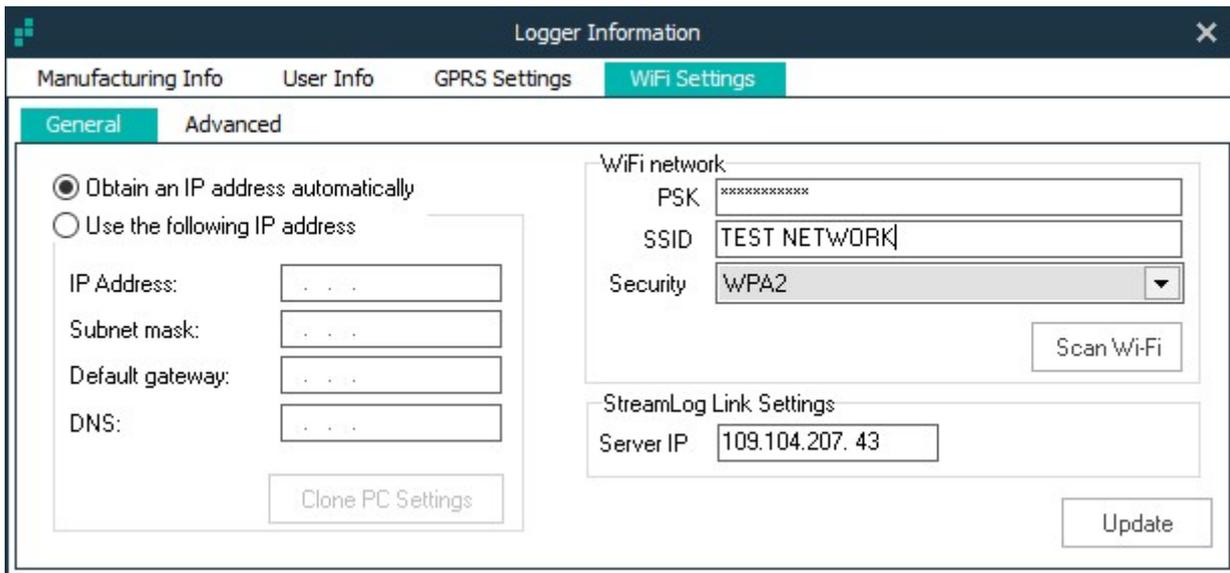
Save Log

2.2 WiFi Settings



Click the 'Settings' toolbar icon on the Logger Tab

Click the 'WiFi Settings' Tab in the 'Logger Information' window.



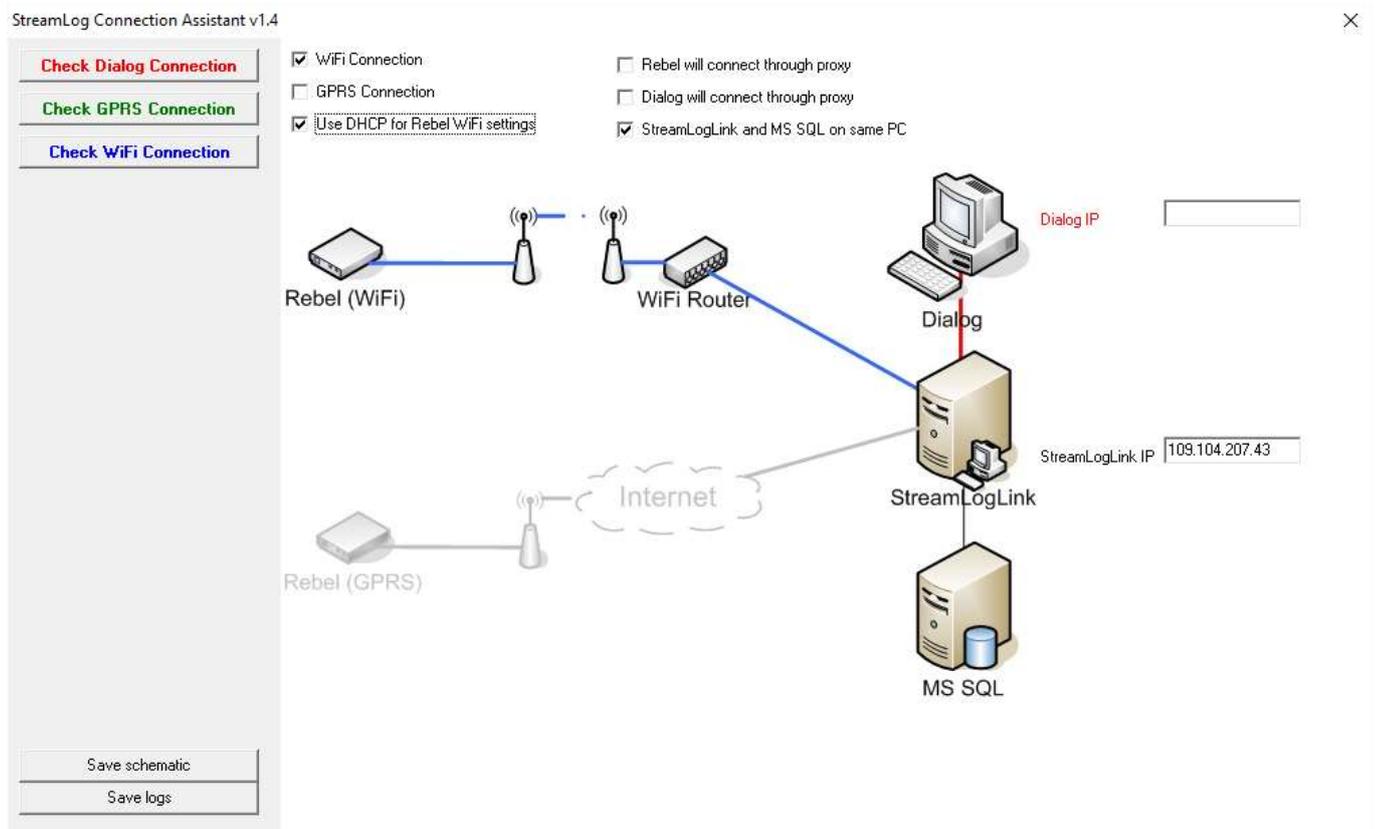
You can use the Scan WiFi button to find the WiFi Network you wish to Join or enter it and the encryption type manually. You will also need to enter the PSK (Pre Shared Key) to gain access to the network..

Warning:

If DiaLog is configured with a different .SSF file then the WiFi settings in the Rebel must be updated to align the Rebel with the Server database.

2.4 Checking communication between the Rebel (WiFi) and the StreamLog Server

The communications between the Rebel (WiFi) and the StreamLog server can be tested by running the StreamLog Connection Assistant on the PC where DiaLog is installed, once you launch the Application you can see a diagram representing the configuration you wish to use.



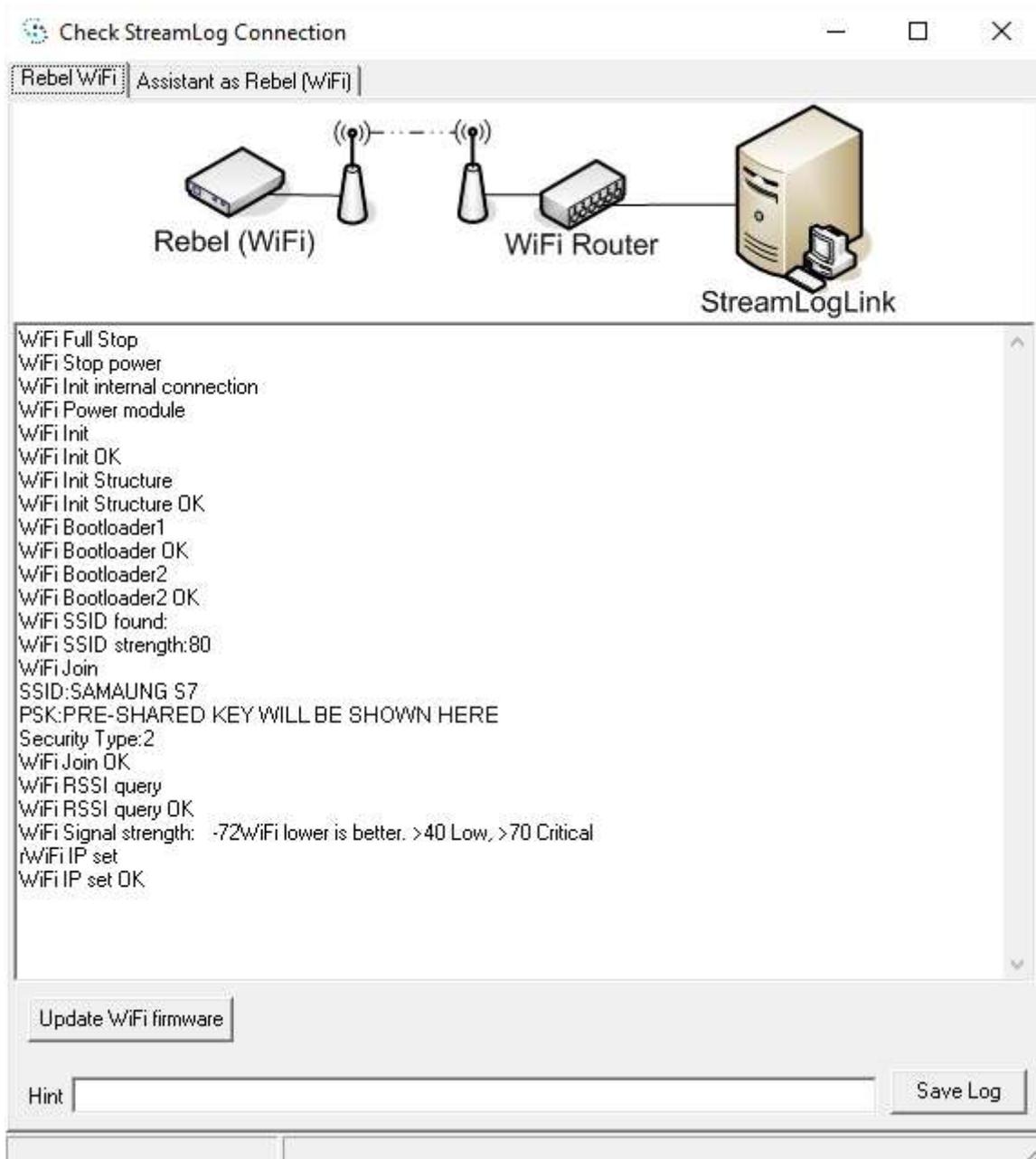
Once you are ready press the Check WiFi Connection button test the Connection between the Rebel (WiFi) and the StreamLog Server.

Check WiFi Connection

You will be asked to plug the Logger in and ensure that 12V is supplied via the OBD Connector.



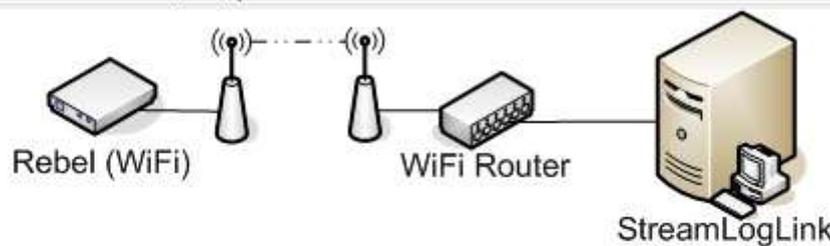
After confirming you will see the WiFi connection is started and the Rebel will log into the access point as with the PSK security settings it is configured to use.



The following shows successful communication between the Rebel (GPRS) and the StreamLog Server.

🔄 Check StreamLog Connection - □ ✕

Rebel WiFi Assistant as Rebel (WiFi)



```

    graph LR
      Rebel[Rebel (WiFi)] --- WiFi[WiFi Router]
      WiFi --- StreamLog[StreamLogLink]
    
```

```

WiFi RSSI query OK
WiFi Signal strength: -72WiFi lower is better. >40 Low, >70 Critical
WiFi IP set
WiFi IP set OK
WiFi IP settings received:
WiFi IP settings:
IP:192.168.43.243
GATEWAY:192.168.43.1
WiFi Socket
WiFi Server IP109.104.207.43
WiFi Server Port3001
WiFi Socket OK
WiFi Power Mode
WiFi Power Mode OK
WiFi Power save hold
WiFi Power save hold OK
WiFi SERIAL NUMBER:RBLL832
WiFi SERIAL NUMBER OK
WiFi READY:
4 DC 0 E0 Firmware Version 17 44 44 31 30 34 39 50 5F 4C
4 4 2 A Settings Read 3 0 0 0 40 0 70 0 0 30
8 18 3 3C 0 0 0 5F Send GMT 8 0 3 3C 0 0 0 47
4 14 5 1D Active File Read 11 0 5 7C 9 0 0 0 20 0
8 C 6 0 0 0 1A File Structure Read 8 80 6 0 0 0 0
8 8 7 0 0 0 0 17 Streaming Read 8 0 7 0 0 0 0 F
10 B0 95 0 0 9 79 0 8 0 7 0 F 0 0 F Read IVD Stream 8 0 7 0 F 0 0 F
        
```

Hint WiFi Connection all correct.