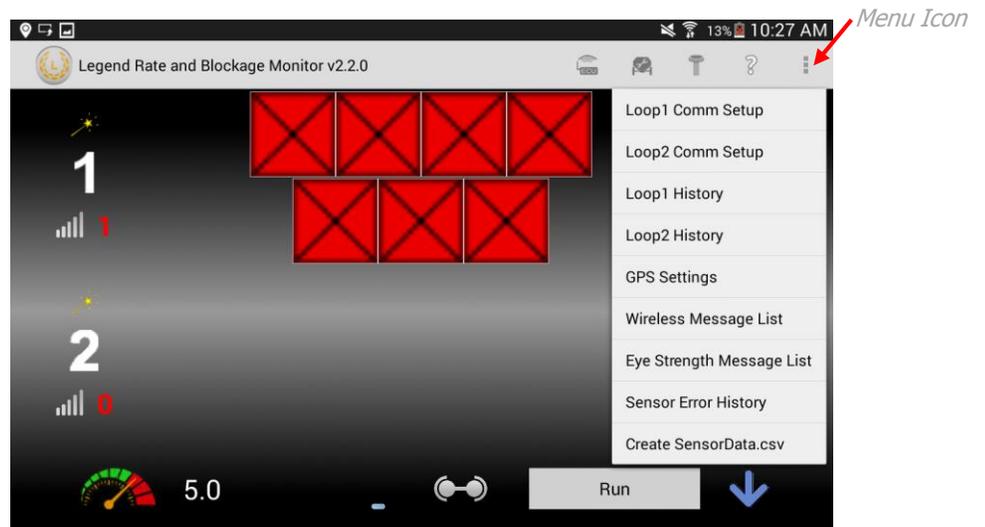


Gathering Legend Log Files

Logging data can aid in troubleshooting certain aspects of the Legend system. Data from the Menu Lists can be used to aid Agtron Customer Service in troubleshooting your Legend Wi-Fi. There are 5 different data files that can be created. They are:

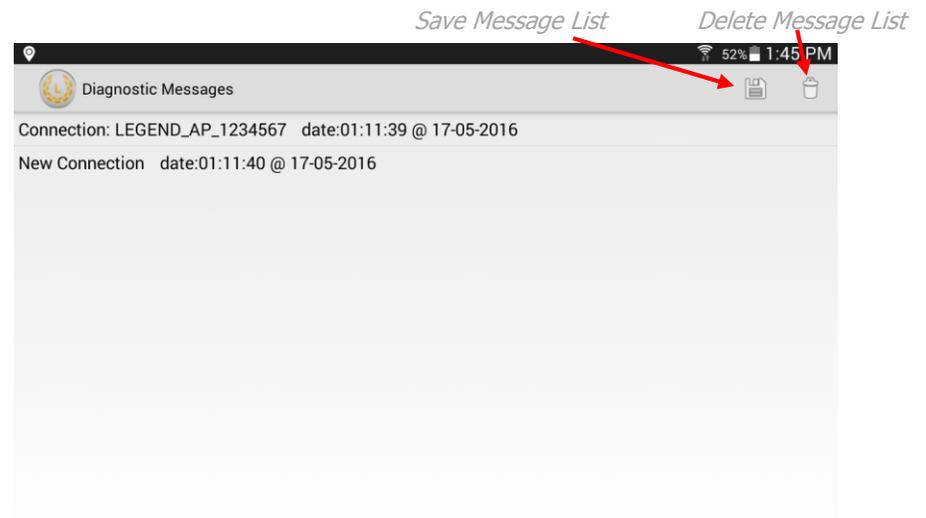
- Wireless Message List
- Eye Strength Message List
- Sensor Error History
- Create SensorData.csv
- Error File Package

These log files are located in the menu of the Legend App.



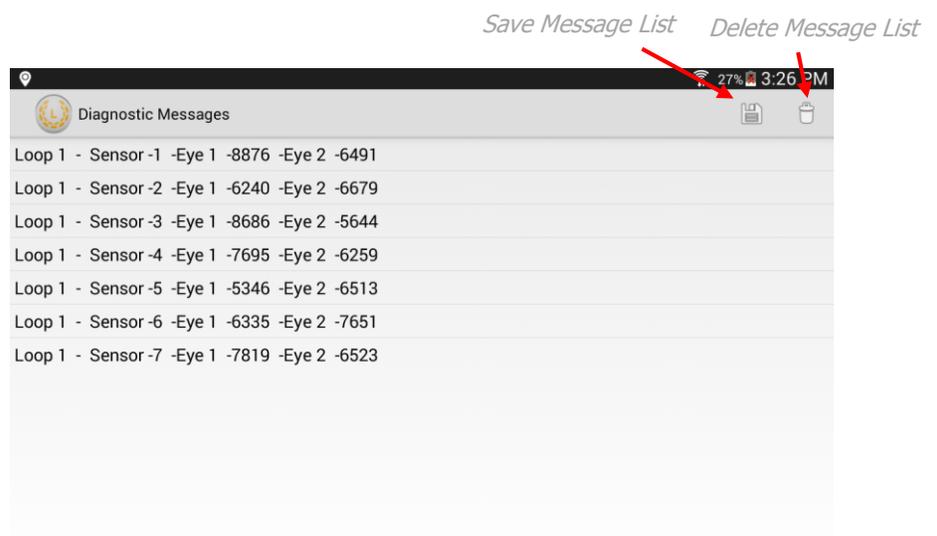
Wireless Message List

The Wireless Message List shows ECU connects and disconnects. This information is used to troubleshoot random or repetitive disconnects from the ECU's Wi-Fi signal. The log confirms the ECU serial number and includes a date and time stamp for every connection and disconnection. The list can be either saved or deleted by selecting the corresponding icon in the top right corner. If you save the log file, it will create .txt file on the tablet.



Eye Strength Message List

The Eye Strength Message List displays the strength of the infrared optical eyes of each sensor in both loops. This information can be used to help troubleshoot sensors reporting false blockages constantly or sensors that say they require cleaning, and when cleaned, do not start working again. The list can be either saved or deleted by selecting the corresponding icon in the top right corner. If you save the log file, it will create .txt file on the tablet.

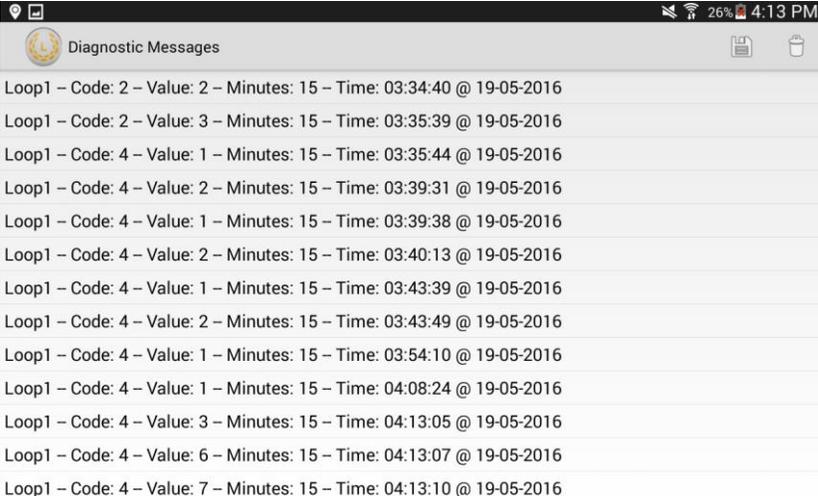


Sensor Error History

Sensor Error History displays any time a sensor goes into any kind of alarm. There is a different code for each alarm that a sensor can display. They are:

1. Sensor High Alarm
2. Sensor Low Alarm
3. Sensor Clean Alarm
4. Sensor Block Alarm
5. Current Overload Alarm
6. Communication Error Alarm

Each time an alarm happens, it makes an entry with a Date/Time stamp of when it happened. The list can be either saved or deleted by selecting the corresponding icon in the top right corner. If you save the log file, it will create a .txt file on the tablet.



Loop1	Code	Value	Minutes	Time	Date
Loop1	Code: 2	Value: 2	Minutes: 15	Time: 03:34:40	@ 19-05-2016
Loop1	Code: 2	Value: 3	Minutes: 15	Time: 03:35:39	@ 19-05-2016
Loop1	Code: 4	Value: 1	Minutes: 15	Time: 03:35:44	@ 19-05-2016
Loop1	Code: 4	Value: 2	Minutes: 15	Time: 03:39:31	@ 19-05-2016
Loop1	Code: 4	Value: 1	Minutes: 15	Time: 03:39:38	@ 19-05-2016
Loop1	Code: 4	Value: 2	Minutes: 15	Time: 03:40:13	@ 19-05-2016
Loop1	Code: 4	Value: 1	Minutes: 15	Time: 03:43:39	@ 19-05-2016
Loop1	Code: 4	Value: 2	Minutes: 15	Time: 03:43:49	@ 19-05-2016
Loop1	Code: 4	Value: 1	Minutes: 15	Time: 03:54:10	@ 19-05-2016
Loop1	Code: 4	Value: 1	Minutes: 15	Time: 04:08:24	@ 19-05-2016
Loop1	Code: 4	Value: 3	Minutes: 15	Time: 04:13:05	@ 19-05-2016
Loop1	Code: 4	Value: 6	Minutes: 15	Time: 04:13:07	@ 19-05-2016
Loop1	Code: 4	Value: 7	Minutes: 15	Time: 04:13:10	@ 19-05-2016

In the above example, at 03:34:40 on 5/19/2016, Sensor 2 was reporting a low seed rate alarm (Code 2). It is also showing multiple sensors were displaying blocked (Code 4).

Create Sensor Data.csv

Create SensorData.csv when selected will create an excel spreadsheet of all of the data that the sensors in the system are recording at that moment in time. When this data file is created it automatically is saved in the Agtron folder in the tablets storage. You can make as many SensorData.csv files as you need as long as you rename the previous file. The SensorData.csv spreadsheet contains information for each sensor in both loops. Information such as:

- Loop Location
- Sensor Location
- Seed Rate (Seeds/Second)
- Seed Count
- Eye 1 ATD
- Eye 2 ATD
- LED CAL
- Eye 1 CAL
- Eye 2 CAL
- Software
- Hardware
- Type
- Input Voltage
- Regulator Voltage
- Temperature
- Run Time (Seconds)

You can compare the data between sensors in the list to help you diagnose a problem. In this example Agtron would recommend replacing sensor 1 as its Seedrate is much lower than the other sensors. Its LED Cal and Eye1 Cal are also both 0.

Loop	Sensor	Seedrate	Seedcoun	Eye1ATD	Eye2ATD	LedCal	Eye1Cal	Eye2Cal	Software	Hardware	Type	InputVolt	Regulator	Temperat	RunTime
1	1	25.986	289537	241	7307	0	0	6	3	3	5	11.7	3.2	36	15369.44
1	2	206.734	1737578	6562	6186	2	5	5	3	3	5	11.5	3.2	38	15336.82
1	3	255.785	2057795	5314	5769	2	5	5	3	3	5	11.5	3.2	38	15365.94
1	4	278.124	2413285	5810	6359	2	5	5	3	3	5	11.5	3.2	36	15366.7
1	5	279.311	2296160	5766	6062	2	5	5	3	3	5	11.5	3.2	38	15365.04
1	6	320.531	2490704	5571	6225	2	5	5	3	3	5	11.5	3.2	35	15372.69
1	7	270.372	2238322	5571	6225	2	5	5	3	3	5	11.5	3.2	35	15372.69
1	8	258.855	2086705	7416	7114	2	5	5	3	3	5	11.6	3.2	37	15353.6
1	9	294.894	2363240	7524	7177	2	5	5	3	3	5	11.1	3.2	39	15373.23
1	10	320.299	2603245	7524	7177	2	5	5	3	3	5	11.1	3.2	39	15373.23
1	11	321.23	2482778	6865	6945	2	5	5	3	3	5	11.4	3.2	39	15323.19
1	12	325.015	2513162	6894	7724	2	5	5	3	3	5	11.2	3.2	38	15329.47
1	13	336.617	2614562	7287	7680	2	5	5	3	3	5	11.2	3.2	38	15316.96
1	14	317.487	2609683	6791	5874	2	5	6	3	3	5	11.1	3.2	41	15366.04
1	15	324.296	2542357	7233	6821	2	5	5	3	3	5	11.4	3.2	39	15379.34
1	16	299.484	2405481	5981	5314	2	5	5	3	3	5	11.2	3.2	38	15337.15
1	17	324.248	2659355	6604	6625	2	4	5	3	3	5	11.1	3.2	40	15317.63
1	18	318.301	2545253	6064	6704	2	5	5	3	3	5	11.1	3.2	40	15363.62
1	19	327.507	2479245	6604	6625	2	4	5	3	3	5	11.1	3.2	39	15317.63
1	20	261.535	2163182	6613	6525	2	5	5	3	3	5	11.3	3.2	38	15330.95
1	21	252.658	2065407	7084	7434	2	5	5	3	3	5	11.3	3.2	38	15332.51
1	22	288.108	2572044	7292	6660	2	5	5	3	3	5	11.3	3.2	39	15359.96
1	23	352.028	2694622	6135	5998	2	4	5	3	3	5	11.3	3.2	42	15367.85
1	24	363.556	2973045	5000	5659	2	5	5	3	3	5	11.5	3.2	42	15337.64
1	25	285.107	2200625	5000	5659	2	5	5	3	3	5	11.5	3.2	42	15337.64
1	26	233.263	1799579	5346	4367	2	6	5	3	3	5	11.7	3.2	39	15381.17
1	27	262.384	2043119	6665	6938	2	5	5	3	3	5	11.4	3.2	41	15432.91
1	28	226.06	1886446	6245	5800	2	5	5	3	3	5	11.6	3.2	40	15326.27
1	29	233.735	1972111	5058	6647	2	6	5	3	3	5	11.6	3.2	38	15351.57

Error File Package

When exiting the Legend app two pop-up windows will appear. The first will say, “Are you sure you want to exit?” You will select yes. The second pop-up will say, “Would you like to create an Error file package?” If you select yes the Error file package will be created. The Error file package consists of:

- An AutoErrLogg.csv – This log combines the Wireless Message & Sensor Error History List.
- ProdStored.csv – This consists of the products you have stored in the product library and the settings for each.
- SaveValues.csv – This consists of all the values that are saved on the app including: Sensitivity, Test Speed, Sensor Count, Seed Rate Wizard values, etc.
- Any SensorData.csv files that you have created throughout the day.