



## MXS Strada Release history

Version	Date	Change/additions
<b>01.30.30</b>	Aug, 6th 2021	<ul style="list-style-type: none"><li>▪ Fixed bad GPS data synchronization (that caused shorter lap times and GPS speed acquisition)</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>02.36.64</b> GPS09 Module</li></ul>
<b>01.30.06</b>	Nov, 25th 2020	<ul style="list-style-type: none"><li>▪ Added GPS09 support</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>35.65</b> GPS Module: Fix Masterclock received from master that caused bad values in GPS data timestamp</li></ul>

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<b>01.30.00</b>	Jun, 9th 2020	<ul style="list-style-type: none"><li>▪ Race Simulators handling</li><li>▪ Added Hour/Date info from GPS tracks</li><li>▪ Added reference speed used to calculate odometers</li><li>▪ Improved k-line handling</li></ul> <p><b>External modules</b></p> <p>No changes</p>
<b>01.28.20</b>	Dec, 4th 2019	<ul style="list-style-type: none"><li>▪ Improved setting of LEDs brightness</li><li>▪ Fixed issue on CAN bus off handling of ECU CAN line</li><li>▪ Improved synchronization between data from GPS and local data acquisition</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.64</b> GPS Module<ul style="list-style-type: none"><li>▪ Improved synchronization between data from GPS and local data acquisition</li></ul></li></ul>
<b>01.28.10</b>	Jul, 5th 2019	<ul style="list-style-type: none"><li>▪ Fixed bug in Channel Expansion/TCHub firmware that caused blinking in Race Studio 3 Live Measures</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>40.63</b> Channel Expansion/TC Hub<ul style="list-style-type: none"><li>▪ Fixed bug that caused blinking in Race Studio 3 Live Measures</li></ul></li></ul>
<b>01.28.08</b>	Jun, 12th 2019	<ul style="list-style-type: none"><li>▪ Fixed CAN protocols with multiplex frames</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>40.62</b> Channel Expansion/TC Hub</li><li>▪ <b>35.61</b> GPS Module</li></ul>
<b>01.28.03</b>	Feb, 12th 2019	<ul style="list-style-type: none"><li>▪ Fixed display artifacts in measures value cleaning</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>01.26.49</b> GS-Dash<ul style="list-style-type: none"><li>▪ Measures timeout improved</li><li>▪ Spansion support</li><li>▪ Fix data recall synchronization issue</li></ul></li><li>▪ <b>02.26.51</b> Shift Light Module<ul style="list-style-type: none"><li>▪ Fixed issues with some ECUs</li></ul></li></ul> <p>No changes for the other modules</p>

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<b>01.26.46</b>	Dec, 5th 2018	<ul style="list-style-type: none"><li>▪ Added management of Shift Light Module</li><li>▪ Added the support for auto brightness levels configuration (day brightness level, night brightness level and threshold are now fully configurable)</li></ul> <b>External modules</b> <p>No changes</p>
<b>01.26.38</b>	Oct, 5th 2018	<ul style="list-style-type: none"><li>▪ Added possibility to force channels in Online</li><li>▪ Fixed bug on Digital output priority handling</li></ul> <b>External modules</b> <p>No changes</p>
<b>01.26.28</b>	Apr, 12th 2018	No changes
<b>01.26.25</b>	Jan 11th 2018	<ul style="list-style-type: none"><li>▪ Fixed bug when the Start Data Recording standard condition is configured: in some conditions it caused not recorded data</li><li>▪ Fixed bug in volume sensors with gallons unit measure</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>35.58</b> GPS Module</li><li>▪ <b>25.47</b> Lambda</li><li>▪ <b>40.61</b> Channel Expansion/TC Hub</li><li>▪ <b>70.03</b> Remote buttons interface</li></ul>
<b>01.26.24</b>	Nov 14th 2017	No changes
<b>01.26.23</b>	Oct 24th 2017	<ul style="list-style-type: none"><li>▪ Support for CAN builder ID mask feature</li><li>▪ Consumed fuel channel</li><li>▪ Fix: Pulse per wheel revolution setting not working for Speed1 or Speed2 digital inputs</li><li>▪ Fix: wrong order of operands in bias math channel</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>35.58</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.60</b> Channel Expansion/TC Hub</li><li>▪ <b>70.03</b> Remote buttons interface</li></ul>

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Version	Date	Change/additions
<b>01.26.14</b>	Jul 7th 2017	<ul style="list-style-type: none"><li>▪ Improved CAN management: more reliability in firmup and configuration transmission</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>35.58</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.60</b> Channel Expansion/TC Hub: minor bugs fixed</li><li>▪ <b>70.03</b> Remote buttons interface</li></ul>
<b>01.26.08</b>	Jun 20th 2017	<ul style="list-style-type: none"><li>▪ No changes</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>35.58</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.60</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.24.54</b>	May 19th 2017	<ul style="list-style-type: none"><li>▪ Includes firmware GPS v 35.58.00 that fixes data synchronization with SmartyCam HD</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>35.58</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.60</b> Channel Expansion/TC Hub: minor bugs fixed</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.24.52</b>	May 18th 2017	<ul style="list-style-type: none"><li>▪ Added support for new display configuration (<b>RaceStudio3 v 3.15.00 required</b>)</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>35.56</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.60</b> Channel Expansion/TC Hub: minor bugs fixed</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.24.14</b>	Mar 24th 2017	<ul style="list-style-type: none"><li>▪ Fixed bug that caused no data from channels with hysteresis</li></ul> <b>External modules</b> <ul style="list-style-type: none"><li>▪ <b>35.56</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.56</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>

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<b>01.24.13</b>	Mar 24th 2017	<ul style="list-style-type: none"><li>▪ Improved accelerometer support: better filtering and uniform sign convention on various devices</li><li>▪ Fixed occasional spikes on accelerometer channels</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.56</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.56</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.24.00</b>	Jan 26th 2017	<ul style="list-style-type: none"><li>▪ Fixed issue that caused CAN network malfunction when remote button device is in the network</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.56</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.56</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.22.99</b>	Jan 19th 2017	<ul style="list-style-type: none"><li>▪ Added management of GPS position accuracy measure for display and CAN output</li><li>▪ Fixed bug in "Backlight" menu voice (icon missed)</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.56</b> GPS Module</li><li>▪ <b>25.46</b> Lambda</li><li>▪ <b>40.56</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.22.94</b>	Dec 5th 2016	<ul style="list-style-type: none"><li>▪ No changes</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.56</b> GPS Module</li><li>▪ <b>25.46</b> Lambda: fixed bug that caused shifted lambda samples</li><li>▪ <b>40.56</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>

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Version	Date	Change/additions
<b>01.22.92</b>	Nov 29th 2016	<ul style="list-style-type: none"><li>▪ Minor improvements</li></ul> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.56</b> GPS Module: improvements in GPS measurements available to SmartyCam overlay</li><li>▪ <b>25.44</b> Lambda</li><li>▪ <b>40.56</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.22.86</b>	Nov 15th 2016	<ul style="list-style-type: none"><li>▪ Added IRM CAN LAP support</li></ul> <p><b>Warning: this firmware release requires Race Studio 3 ver. 3.10.10 or higher.</b></p> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.54</b> GPS Module: improved satellites fix</li><li>▪ <b>25.44</b> Lambda: added keep alive support</li><li>▪ <b>40.56</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.22.82</b>	Oct 11th 2016	<ul style="list-style-type: none"><li>▪ Speed up USB transfer</li><li>▪ Speed up display pages loading at the startup</li><li>▪ Fixed bug in GPS lap management that in some cases caused loss of laps detected</li></ul> <p><b>Warning: this firmware release requires Race Studio 3 ver. 3.10.10 or higher.</b></p> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.50</b> GPS Module</li><li>▪ <b>25.42</b> Lambda</li><li>▪ <b>40.56</b> Channel Expansion/TC Hub: improved analogic channels acquisition</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.22.74</b>	Sep 15th 2016	<ul style="list-style-type: none"><li>▪ Fixed alarms functionality based on acquisition channels under encryption</li><li>▪ Fixed message alarms that sometimes were partially or totally erased</li></ul> <p><b>Warning: this firmware release requires Race Studio 3 ver. 3.10.10 or higher.</b></p> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.50</b> GPS Module</li><li>▪ <b>25.42</b> Lambda</li><li>▪ <b>40.55</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>

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<b>01.22.60</b>	Jul 25th 2016	<ul style="list-style-type: none"><li>▪ Fixed: clear alarm by remote buttons</li><li>▪ Fixed: alarm hysteresis condition</li><li>▪ Minor bugfixes and improvements</li></ul> <p><b>Warning: this firmware release requires Race Studio 3 ver, 3.10.10 or higher.</b></p> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.50</b> GPS Module</li><li>▪ <b>25.42</b> Lambda</li><li>▪ <b>40.55</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.22.16</b>	Jun 17th 2016	<ul style="list-style-type: none"><li>▪ Fixed display issue when 8 pages are configured</li><li>▪ Fixed bug on Shift Light management</li><li>▪ Minor improvements</li></ul> <p><b>Warning: this firmware release requires Race Studio 3 ver, 3.10.10 or higher.</b></p> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.50</b> GPS Module</li><li>▪ <b>25.42</b> Lambda</li><li>▪ <b>40.55</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>
<b>01.22.14</b>	Jun 10th 2016	<ul style="list-style-type: none"><li>▪ New track management, compatible with the MyChron5 one</li><li>▪ Test data recall</li></ul> <p><b>Warning: this firmware release requires Race Studio 3 ver, 3.10.10 or higher.</b></p> <p><b>External modules</b></p> <ul style="list-style-type: none"><li>▪ <b>35.50</b> GPS Module</li><li>▪ <b>25.42</b> Lambd</li><li>▪ <b>40.55</b> Channel Expansion/TC Hub</li><li>▪ <b>70.01</b> Remote buttons interface</li></ul>