## MXS Strada Release history

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Change/additions</th>
<th>External modules</th>
</tr>
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</table>
| 01.28.20| Dec, 4th 2019 | - Improved setting of LEDs brightness  
                        - Fixed issue on CAN bus off handling of ECU CAN line  
                        - Improved synchronization between data from GPS and local data acquisition | 35.64 GPS Module  
                        - Improved synchronization between data from GPS and local data acquisition |
| 01.28.10| Jul, 5th 2019 | - Fixed bug in Channel Expansion/TCHub firmware that caused blinking in Race Studio 3 Live Measures | 40.63 Channel Expansion/TCHub  
                        - Fixed bug that caused blinking in Race Studio 3 Live Measures |
| 01.28.08| Jun, 12th 2019 | - Fixed CAN protocols with multiplex frames                                  | 40.62 Channel Expansion/TCHub  
                        - 35.61 GPS Module |
| 01.28.03| Feb, 12th 2019 | - Fixed display artifacts in measures value cleaning                           | 01.26.49 GS-Dash  
                        - Measures timeout improved  
                        - Spansion support  
                        - Fix data recall synchronization issue  
                        - 02.26.51 Shift Light Module  
                        - Fixed issues with some ECU's  
                        - No changes for the other modules |
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| 01.26.46| Dec, 5th 2018 | ▪ Added management of Shift Light Module  
▪ Added the support for auto brightness levels configuration (day brightness level, night brightness level and threshold are now fully configurable)  
**External modules**  
No changes |
| 01.26.38| Oct, 5th 2018 | ▪ Added possibility to force channels in Online  
▪ Fixed bug on Digital output priority handling  
**External modules**  
No changes |
| 01.26.28| Apr, 12th 2018 | No changes  
**External modules**  
No changes |
| 01.26.25| Jan 11th 2018 | ▪ Fixed bug when the Start Data Recording standard condition is configured: in some conditions it caused not recorded data  
▪ Fixed bug in volume sensors with gallons unit measure  
**External modules**  
- 35.58 GPS Module  
- 25.47 Lambda  
- 40.61 Channel Expansion/TC Hub  
- 70.03 Remote buttons interface |
| 01.26.24| Nov 14th 2017 | No changes  
**External modules**  
No changes |
| 01.26.23| Oct 24th 2017 | ▪ Support for CAN builder ID mask feature  
▪ Consumed fuel channel  
▪ Fix: Pulse per wheel revolution setting not working for Speed1 or Speed2 digital inputs  
▪ Fix: wrong order of operands in bias math channel  
**External modules**  
- 35.58 GPS Module  
- 25.46 Lambda  
- 40.60 Channel Expansion/TC Hub  
- 70.03 Remote buttons interface |
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<td>01.24.14</td>
<td>Jul 7th 2017</td>
<td>• Improved CAN management: more reliability in firmware and configuration transmission</td>
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<td>• 40.60 Channel Expansion/TC Hub: minor bugs fixed</td>
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<td>• 70.03 Remote buttons interface</td>
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<td>01.26.08</td>
<td>Jun 20th 2017</td>
<td>• No changes</td>
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<td>• 70.01 Remote buttons interface</td>
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<tr>
<td>01.24.54</td>
<td>May 19th 2017</td>
<td>• Includes firmware GPS v 35.58.00 that fixes data synchronization with SmartyCam HD</td>
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<tr>
<td>01.24.52</td>
<td>May 18th 2017</td>
<td>• Added support for new display configuration (<strong>RaceStudio3 v 3.15.00 required</strong>)</td>
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<td>• 70.01 Remote buttons interface</td>
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<tr>
<td>01.24.14</td>
<td>Mar 24th 2017</td>
<td>• Fixed bug that caused no data from channels with hysteresis</td>
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| 01.24.13 | Mar 24th 2017| - Improved accelerometer support: better filtering and uniform sign convention on various devices  
- Fixed occasional spikes on accelerometer channels  
**External modules**  
  - 35.56 GPS Module  
  - 25.46 Lambda  
  - 40.56 Channel Expansion/TC Hub  
  - 70.01 Remote buttons interface |
| 01.24.00 | Jan 26th 2017| - Fixed issue that caused CAN network malfunction when remote button device is in the network  
**External modules**  
  - 35.56 GPS Module  
  - 25.46 Lambda  
  - 40.56 Channel Expansion/TC Hub  
  - 70.01 Remote buttons interface |
| 01.22.99 | Jan 19th 2017| - Added management of GPS position accuracy measure for display and CAN output  
- Fixed bug in "Backlight" menu voice (icon missed)  
**External modules**  
  - 35.56 GPS Module  
  - 25.46 Lambda  
  - 40.56 Channel Expansion/TC Hub  
  - 70.01 Remote buttons interface |
| 01.22.94 | Dec 5th 2016 | - No changes  
**External modules**  
  - 35.56 GPS Module  
  - 25.46 Lambda: fixed bug that caused shifted lambda samples  
  - 40.56 Channel Expansion/TC Hub  
  - 70.01 Remote buttons interface |
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| 01.22.74 | Sep 15th 2016| - Fixed alarms functionality based on acquisition channels under encryption
- Fixed message alarms that sometimes were partially or totally erased

**Warning:** this firmware release requires Race Studio 3 ver. 3.10.10 or higher.

### External modules
- 35.50 GPS Module
- 25.42 Lambda
- 40.55 Channel Expansion/TC Hub
- 70.01 Remote buttons interface

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| 01.22.86 | Nov 15th 2016| - Added IRM CAN LAP support
- Speed up USB transfer
- Speed up display pages loading at the startup
- Fixed bug in GPS lap management that in some cases caused loss of laps detected

**Warning:** this firmware release requires Race Studio 3 ver. 3.10.10 or higher.

### External modules
- 35.54 GPS Module: improved satellites fix
- 25.44 Lambda: added keep alive support
- 40.56 Channel Expansion/TC Hub
- 70.01 Remote buttons interface

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| 01.22.92 | Nov 29th 2016| - Minor improvements
- External modules
  - 35.56 GPS Module: improvements in GPS measurements available to SmartyCam overlay
  - 25.44 Lambda
  - 40.56 Channel Expansion/TC Hub
  - 70.01 Remote buttons interface

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| 01.22.82 | Oct 11th 2016| - Speed up USB transfer
- Speed up display pages loading at the startup
- Fixed bug in GPS lap management that in some cases caused loss of laps detected

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### External modules
- 35.50 GPS Module
- 25.42 Lambda
- 40.56 Channel Expansion/TC Hub
- 70.01 Remote buttons interface
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| 01.22.60| Jul 25th 2016 | - Fixed: clear alarm by remote buttons  
- Fixed: alarm hysteresis condition  
- Minor bugfixes and improvements  

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**External modules**  
- 35.50 GPS Module  
- 25.42 Lambda  
- 40.55 Channel Expansion/TC Hub  
- 70.01 Remote buttons interface

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| 01.22.16| Jun 17th 2016 | - Fixed display issue when 8 pages are configured  
- Fixed bug on Shift Light management  
- Minor improvements  

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**External modules**  
- 35.50 GPS Module  
- 25.42 Lambda  
- 40.55 Channel Expansion/TC Hub  
- 70.01 Remote buttons interface

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| 01.22.14| Jun 10th 2016 | - New track management, compatible with the MyChron5 one  
- Test data recall  

*Warning: this firmware release requires Race Studio 3 ver, 3.10.10 or higher.*

**External modules**  
- 35.50 GPS Module  
- 25.42 Lambda  
- 40.55 Channel Expansion/TC Hub  
- 70.01 Remote buttons interface