MXS Release history

Version	Date	Change/additions
01.26.14	Jul 7th 2017	▪ Improved CAN management: more reliability in firmup and configuration transmission

External modules

- ▪ **01.26.14** Memory Module
- ▪ **35.58** GPS Module
- ▪ **25.46** Lambda
- ▪ **40.60** Channel Expansion/TC Hub: minor bugs fixed
- ▪ **70.03** Remote buttons interface

MXS Release history

Version	Date	Change/additions
01.26.08	Jun 20th 2017	▪ Memory Module support

External modules

- ▪ **01.26.08** Memory Module
- ▪ **35.58** GPS Module
- ▪ **25.46** Lambda
- ▪ **40.60** Channel Expansion/TC Hub: minor bugs fixed
- ▪ **70.01** Remote buttons interface

Version	Date	Change/additions
01.24.54	May 19th 2017	▪ Includes firmware GPS v 35.58.00 that fixes data synchronization with SmartyCam HD

External modules

- ▪ **35.58** GPS Module
- ▪ **25.46** Lambda
- ▪ **40.60** Channel Expansion/TC Hub: minor bugs fixed
- ▪ **70.01** Remote buttons interface

Version	Date	Change/additions
01.24.52	May 18th 2017	▪ Added support for new display configuration (**RaceStudio3 v 3.15.00 required**)

External modules

- ▪ **35.56** GPS Module
- ▪ **25.46** Lambda
- ▪ **40.60** Channel Expansion/TC Hub: minor bugs fixed
- ▪ **70.01** Remote buttons interface

Version	Date	Change/additions
01.24.14	Mar 24th 2017	▪ Fixed bug that caused no data from channels with hysteresis

External modules

- ▪ **35.56** GPS Module
- ▪ **25.46** Lambda
- ▪ **40.56** Channel Expansion/TC Hub
- ▪ **70.01** Remote buttons interface

Version	Date	Change/additions
01.24.13	Mar 24th 2017	▪ Improved accelerometer support: better filtering and uniform sign convention on various devices
		▪ Fixed occasional spikes on accelerometer channels

MXS Release history

Version	Date	Change/additions
		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
01.22.92	Nov 29th 2016	▪ Fixed bug which prevented editing of Wi-Fi and User parameters from RS3
		▪ 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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MXS Release history

Version	Date	Change/additions

01.22.86   Nov 15th 2016

- Added IRM CAN LAP support

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

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

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

External modules

- **35.50**   GPS Module
- **25.42**   Lambda
- **40.56**   Channel Expansion/TC Hub: improved analogic channels acquisition
- **70.01**   Remote buttons interface

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

01.22.60   Jul 25th 2016

- Fixed: clear alarm by remote buttons
- Fixed: Wi-Fi troubles with TP-link routers
- Fixed: alarm hysteresis condition
- Minor bugfixes and improvements

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

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MXS Release history

Version	Date	Change/additions

External modules

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

01.22.16   Jun 17th 2016

- Fixed display issue when 8 pages are configured
- Minor improvements

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

External modules

- **35.50** GPS Module
- **25.42** Lambda (fixed issues with channels configured at 5Hz)
- **40.55** Channel Expansion/TC Hub: improvement in measurements accuracy
- **70.01** Remote buttons interface

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 (fixed issues with channels configured at 5Hz)
- **40.55** Channel Expansion/TC Hub: improvement in measurements accuracy
- **70.01** Remote buttons interface

01.18.21   Apr 19th 2016

- CAN output support

External modules

- **35.50** GPS Module
- **25.42** Lambda (fixed issues with channels configured at 5Hz)
- **40.55** Channel Expansion/TC Hub: improvement in measurements accuracy
- **70.01** Remote buttons interface

01.18.18   Mar 11th 2016

- Fixed bug in Custom Position Sensor (the measure was multiplied by 1000)
- Fixed bug in negative measures displayed by SmartyCam

MXS Release history

Version	Date	Change/additions

- Wi-Fi robustness improvements
- New menu option for manually adjustable display brightness

External modules

- **35.50** GPS Module
- **25.42** Lambda (fixed issues with channels configured at 5Hz)
- **40.54** Channel Expansion/TC Hub
- **70.01** Remote buttons interface

01.18.12 — Feb 17th 2016

- Increased numbers of CAN2 channels to 80
- Fixed gear calibration issue
- Fixed +12 Time Zone that was missing from menu

External modules

- **35.50** GPS Module
- **25.40** Lambda
- **40.54** Channel Expansion/TC Hub
- **70.01** Remote buttons interface

01.18.07 — Dec 23rd 2015

- Missing default AiM logo added

External modules

- **35.50** GPS Module
- **25.40** Lambda
- **40.54** Channel Expansion/TC Hub
- **70.01** Remote buttons interface

01.18.06 — Dec 4th 2015

- New WiFi support
- Customizable logo
- Revised menu system:
  - Track display via menu
  - WiFi status
- System parameters editable via RS3 and menu
- Improved and faster test list handling
- Autorecording (standard conditions) will not be triggered by GPS speed alone, RPM or another speed required (avoid false positives)

MXS Release history

Version	Date	Change/additions
		External modules
		■ **35.50** GPS Module
		■ **25.40** Lambda
		■ **40.54** Channel Expansion/TC Hub
		■ **70.01** Remote buttons interface
01.14.59	Nov 10th 2015	■ Support for new board revisions which allow powering off the WiFi module (MXG rev C , MXL2 rev E)
		External modules
		■ **35.50** GPS Module
		■ **25.40** Lambda
		■ **40.52** Channel Expansion/TC Hub
		■ **70.01** Remote buttons interface
01.14.58	Sep 9th 2015	■ Fixed bug: minor fix affecting SEAT_SPORT Leon MK3 protocols
		External modules
		■ **35.50** GPS Module
		■ **25.40** Lambda
		■ **40.52** Channel Expansion/TC Hub
		■ **70.01** Remote buttons interface
01.14.57	Aug 6th 2015	■ Fixed bug: the measures from CAN Expansions were not displayed on SmartyCam
		External modules
		■ **35.50** GPS Module
		■ **25.40** Lambda
		■ **40.52** Channel Expansion/TC Hub
		■ **70.01** Remote buttons interface
01.14.56	Jun 23rd 2015	■ Same as 1.14.55 (this version contains MXL2-only changes)
		External modules
		■ **35.50** GPS Module
		■ **25.40** Lambda
		■ **40.52** Channel Expansion/TC Hub
		■ **70.01** Remote buttons interface

MXS Release history

Version	Date	Change/additions
01.14.55	Jun 23rd 2015	■ Implemented display luminosity management (Night Vision setting in Display menu: OFF/ON/AUTO)
		■ Remote buttons interface handling added
		■ CAN 2G max frame frequency up to 200 Hz
		■ Minor bugfixes

External modules

- **35.50** GPS Module
- **25.40** Lambda
- **40.52** Channel Expansion/TC Hub
- **70.01** Remote buttons interface

01.14.44	Jun 4th 2015	■ Expansion communication problems: some systems produced with V1.14.42 did not contain expansions firmwares. Upgrading to this version fixes the issue.
		■ Fixed bug: sometimes the change of color of colored measures was delayed w.r.t. the triggering event
		■ Minor bugfixes

External modules

- **35.50** GPS Module
- **25.40** Lambda
- **40.52** Channel Expansion/TC Hub

01.14.42	May 21st 2015	■ Fixed bug on gear calculation when the used speed is GPS speed

External modules

- **35.50** GPS Module
- **25.40** Lambda
- **40.52** Channel Expansion/TC Hub

01.14.41	May 19th 2015	■ Fixed bug: after firmup in some conditions the CAN peripheral configuration may be corrupted (missing channels)
		■ Other minor bugfixes

External modules

- **35.50** GPS Module
- **25.40** Lambda
- **40.52** Channel Expansion/TC Hub

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MXS Release history

Version	Date	Change/additions
01.14.38	May 11th 2015	▪ Date/Time automatic synchronization to GPS time in addition to PC, preserving time zone setting ▪ Odometers and lap times can be used as generic display measures ▪ Implemented exit timeout from Messages and Popups according to configuration ▪ New menu system: Date time (Time zone, DST, time format), Odometers, System Info ▪ CAN 1/2 encrypted format management ▪ Alarms/event management improvement **External modules** ▪ **35.50** GPS Module ▪ **25.40** Lambda ▪ **40.52** Channel Expansion/TC Hub
01.12.55	Apr 30th 2015	▪ Added compatibility with RS232 ECU line at 55750 baud
01.12.54	Apr 8th 2015	▪ Fixed bug missing track selected in download file ▪ Added save last display page **External modules** ▪ **35.50** GPS Module ▪ **25.39** Lambda ▪ **40.52** Channel Expansion/TC Hub
01.12.50	Mar 26th 2015	▪ Fixed the time displayed in AM and PM format, that was sometimes wrong ▪ The number of possible total events (used by alarms, popups, messages, etc) has been raised to 48 ▪ Fixed some problems in deleting existing recordings ▪ Fixed misbehavior in event handlings (e.g. disabling did not always work) ▪ Improved crank management ▪ Improved firmware upgrade robustness **External modules** ▪ **35.50** GPS Module ▪ **25.38** Lambda ▪ **40.51** Channel Expansion
01.12.44	Mar 13th 2015	▪ First official release