

ADAS Data Sending Parameters ID

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Teltonika ADAS Parameter list for FMX125, FMX225 and FMX640

The below data sending parameters are suitable for FMX125, FMX225 and FMX640 devices

Parameter ID	Name	Values			Explanation
		Min	Max	Default	
49100	Speed priority	0	3	0	ADAS speed priority
49103	Speed low level	0	255	0	ADAS speed low level
49102	Speed high level	0	255	0	ADAS speed high level
49104	Speed event only	0	2	0	ADAS speed event only
49101	Speed operand	0	6	3	ADAS speed operand
49105	Speed Avg Const	0	65535	10	ADAS speed averaging constant
7530	Speed event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS speed event is generated.
8530	Speed event SMS text	-	-	"ADAS speed"	ADAS speed event SMS text.
49110	Left turn signal priority	0	3	0	ADAS left turn signal event priority
49113	Left turn signal low level	0	1	0	ADAS left turn signal low level
49112	Left turn signal high level	0	1	0	ADAS left turn signal high level
49114	Left turn signal event only	0	2	0	ADAS left turn signal event only
49111	Left turn signal operand	0	6	3	ADAS left turn signal operand
7531	Left turn signal event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS left turn signal event is generated.
8531	Left turn signal event SMS text	-	-	"ADAS Left turn signal"	ADAS left turn signal event SMS text.
49120	Right turn signal priority	0	3	0	ADAS right turn signal event priority
49123	Right turn signal low level	0	1	0	ADAS right turn signal low level
49122	Right turn signal high level	0	1	0	ADAS right turn signal high level
49124	Right turn signal event only	0	2	0	ADAS right turn signal event only
49121	Right turn signal operand	0	6	3	ADAS right turn signal operand
7532	Right turn signal event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS right turn signal event is generated.
8532	Right turn signal event SMS text	-	-	"ADAS Right turn signal"	ADAS right turn signal event SMS text.
49130	Brake signal priority	0	3	0	ADAS brake signal event priority
49133	Brake signal low level	0	1	0	ADAS brake signal low level
49132	Brake signal high level	0	1	0	ADAS brake signal high level
49134	Brake signal event only	0	2	0	ADAS brake signal event only

49131	Brake signal operand	0	6	3	ADAS brake signal operand
7533	Brake signal event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS brake signal event is generated.
8533	Brake signal event SMS text	-	-	"ADAS Brake signal"	ADAS brake signal event SMS text.
49140	RPM priority	0	3	0	ADAS RPM priority
49143	RPM low level	0	65535	0	ADAS RPM low level
49142	RPM high level	0	65535	0	ADAS RPM high level
49144	RPM event only	0	2	0	ADAS RPM event only
49141	RPM operand	0	6	3	ADAS RPM operand
49145	RPM Avg Const	0	65535	10	ADAS RPM averaging constant
7534	RPM event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS RPM event is generated.
8534	RPM event SMS text	-	-	"ADAS RPM"	ADAS RPM event SMS text.
49150	LDW left priority	0	3	0	ADAS lane departure warning left event priority
49153	LDW left low level	0	3	0	ADAS lane departure warning left low level
49152	LDW left high level	0	3	0	ADAS lane departure warning left high level
49154	LDW left event only	0	2	0	ADAS lane departure warning left event only
49151	LDW left signal operand	0	6	3	ADAS lane departure warning left operand
7535	LDW left event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS lane departure warning left event is generated.
8535	LDW left event SMS text	-	-	"ADAS Lane departure warning Left"	ADAS lane departure warning left event SMS text.
49160	LDW right priority	0	3	0	ADAS lane departure warning right event priority
49163	LDW right low level	0	3	0	ADAS lane departure warning right low level
49162	LDW right high level	0	3	0	ADAS lane departure warning right high level
49164	LDW right event only	0	2	0	ADAS lane departure warning right event only
49161	LDW right signal operand	0	6	3	ADAS lane departure warning right operand
7536	LDW right event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS lane departure warning right event is generated.
8536	LDW right event SMS text	-	-	"ADAS Lane departure warning Right"	ADAS lane departure warning right event SMS text.
49170	Distance left priority	0	3	0	ADAS distance left priority
49173	Distance left low level	0	255	0	ADAS distance left low level
49172	Distance left high level	0	255	0	ADAS distance left high level
49174	Distance left event only	0	2	0	ADAS distance left event only
49171	Distance left operand	0	6	3	ADAS distance left operand
49175	Distance left Avg Const	0	65535	10	ADAS distance left averaging constant
7537	Distance left event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS distance left event is generated.
8537	Distance left event SMS text	-	-	"ADAS Left distance"	ADAS distance left event SMS text.
49180	Distance right priority	0	3	0	ADAS distance right priority
49183	Distance right low level	0	255	0	ADAS distance right low level
49182	Distance right high level	0	255	0	ADAS distance right high level
49184	Distance right event only	0	2	0	ADAS distance right event only
49181	Distance right operand	0	6	3	ADAS distance right operand
49185	Distance right Avg Const	0	65535	10	ADAS distance right averaging constant
7538	Distance right event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS distance right event is generated.
8538	Distance right event SMS text	-	-	"ADAS Right distance"	ADAS distance right event SMS text.

49190	Time till collision priority	0	3	0	ADAS time till collision event priority
49193	Time till collision low level	0	255	0	ADAS time till collision low level
49192	Time till collision high level	0	255	0	ADAS time till collision high level
49194	Time till collision event only	0	2	0	ADAS time till collision event only
49191	Time till collision operand	0	6	3	ADAS time till collision operand
7539	Time till collision event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS time till the collision event is generated.
8539	Time till collision event SMS text	-	-	"ADAS Time till collision"	ADAS time till collision event SMS text.
49200	Safety distance alert priority	0	3	0	ADAS safety distance alert event priority
49203	Safety distance alert low level	0	3	0	ADAS safety distance alert low level
49202	Safety distance alert high level	0	3	0	ADAS safety distance alert high level
49204	Safety distance alert event only	0	2	0	ADAS safety distance alert event only
49201	Safety distance alert operand	0	6	3	ADAS safety distance alert operand
7540	Safety distance alert event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS safety distance alert event is generated.
8540	Safety distance alert event SMS text	-	-	"ADAS Safety distance alert"	ADAS safety distance alert event SMS text.
49210	Front vehicle start alarm priority	0	3	0	ADAS front vehicle start alarm event priority
49213	Front vehicle start alarm low level	0	3	0	ADAS front vehicle start alarm low level
49212	Front vehicle start alarm high level	0	3	0	ADAS front vehicle start alarm high level
49214	Front vehicle start alarm event only	0	2	0	ADAS front vehicle start alarm event only
49211	Front vehicle start alarm operand	0	6	3	ADAS front vehicle start alarm operand
7541	Front vehicle start alarm event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS front vehicle start alarm event is generated.
8541	Front vehicle start alarm event SMS text	-	-	"ADAS Front vehicle start alarm"	ADAS front vehicle start alarm event SMS text.
49220	Front proximity warning priority	0	3	0	ADAS front proximity warning event priority
49223	Front proximity warning low level	0	3	0	ADAS front proximity warning low level
49222	Front proximity warning high level	0	3	0	ADAS front proximity warning high level
49224	Front proximity warning event only	0	2	0	ADAS front proximity warning event only
49221	Front proximity warning operand	0	6	3	ADAS front proximity warning operand
7542	Front proximity warning event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS front proximity warning event is generated.
8542	Front proximity warning event SMS text	-	-	"ADAS Front proximity warning"	ADAS front proximity warning event SMS text.
49230	Front collision warning priority	0	3	0	ADAS front collision warning event priority
49233	Front collision warning low level	0	3	0	ADAS front collision warning low level
49232	Front collision warning high level	0	3	0	ADAS front collision warning high level
49234	Front collision warning event only	0	2	0	ADAS front collision warning event only
49231	Front collision warning operand	0	6	3	ADAS front collision warning operand
7543	Front collision warning event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS front collision warning event is generated.
8543	Front collision warning event SMS text	-	-	"ADAS Front collision warning"	ADAS front collision warning event SMS text.
49240	Pedestrian collision warning priority	0	3	0	ADAS pedestrian collision warning event priority
49243	Pedestrian collision warning low level	0	3	0	ADAS pedestrian collision warning low level
49242	Pedestrian collision warning high level	0	3	0	ADAS pedestrian collision warning high level
49244	Pedestrian collision warning event only	0	2	0	ADAS pedestrian collision warning event only
49241	Pedestrian collision warning operand	0	6	3	ADAS pedestrian collision warning operand

7544	Pedestrian collision warning event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS pedestrian collision warning event is generated.
8544	Pedestrian collision warning event SMS text	-	-	"ADAS Pedestrian collision warning"	ADAS pedestrian collision warning event SMS text.
49250	Record priority	0	3	0	ADAS record event priority
49254	Record event only	0	2	0	ADAS record event only
49251	Record operand	0	6	3	ADAS record operand
7545	Record event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS record event is generated.
8545	Record event SMS text	-	-	"ADAS Record"	ADAS record event SMS text.
49260	Error code priority	0	3	0	ADAS error code event priority
49263	Error code low level	0	2	0	ADAS error code low level
49262	Error code high level	0	2	0	ADAS error code high level
49264	Error code event only	0	2	0	ADAS error code event only
49261	Error code operand	0	6	3	ADAS error code operand
7546	Error code event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS error code event is generated.
8546	Error code event SMS text	-	-	"ADAS Error code"	ADAS error code event SMS text.
49270	Ahead distance priority	0	3	0	ADAS ahead distance priority
49273	Ahead distance low level	0	150	0	ADAS ahead distance low level
49272	Ahead distance high level	0	150	0	ADAS ahead distance high level
49274	Ahead distance event only	0	2	0	ADAS ahead distance event only
49271	Ahead distance operand	0	6	3	ADAS ahead distance operand
49275	Ahead distance Avg Const	0	65535	10	ADAS ahead distance averaging constant
7547	Ahead distance event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS ahead distance event is generated.
8547	Ahead distance event SMS text	-	-	"ADAS Ahead distance"	ADAS ahead distance event SMS text.
49280	Ahead speed priority	0	3	0	ADAS ahead speed priority
49283	Ahead speed low level	-128	126	0	ADAS ahead speed low level
49282	Ahead speed high level	-128	126	0	ADAS ahead speed high level
49284	Ahead speed event only	0	2	0	ADAS ahead speed event only
49281	Ahead speed operand	0	6	3	ADAS ahead speed operand
49285	Ahead speed Avg Const	0	65535	10	ADAS ahead speed averaging constant
7548	Ahead speed event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS ahead speed event is generated.
8548	Ahead speed event SMS text	-	-	"ADAS Ahead speed"	ADAS ahead speed event SMS text.
49290	SLR state priority	0	3	0	ADAS speed limit recognition state event priority
49293	SLR state low level	0	3	0	ADAS speed limit recognition state low level
49292	SLR state high level	0	3	0	ADAS speed limit recognition state high level
49294	SLR state event only	0	2	0	ADAS speed limit recognition state event only
49291	SLR state operand	0	6	3	ADAS speed limit recognition state operand
7549	SLR state event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS speed limit recognition state event is generated.
8549	SLR state event SMS text	-	-	"ADAS Speed limit recognition state"	ADAS speed limit recognition state event SMS text.
49300	SLR Recognise priority	0	3	0	ADAS speed limit recognition event priority
49303	SLR Recognise low level	0	3	0	ADAS speed limit recognition low level
49302	SLR Recognise high level	0	3	0	ADAS speed limit recognition high level
49304	SLR Recognise event only	0	2	0	ADAS speed limit recognition event only

49301	SLR Recognise operand	0	6	3	ADAS speed limit recognition operand
7550	SLR Recognise event SMS number	0	10	0	GSM number index from predefined numbers list. SMS will be sent to this number when the ADAS speed limit recognition event is generated.
8550	SLR Recognise event SMS text	-	-	“ADAS Speed limit recognition recognise”	ADAS speed limit recognition event SMS text.
49310	SLR Sensitivity priority	0	3	0	ADAS speed limit recognition sensitivity event priority
49314	SLR Sensitivity event only	0	2	0	ADAS speed limit recognition sensitivity event only
49311	SLR Sensitivity operand	0	6	3	ADAS speed limit recognition sensitivity operand GSM number index from predefined numbers list.
7551	SLR Sensitivity event SMS number	0	10	0	SMS will be sent to this number when the ADAS speed limit recognition sensitivity event is generated.
8551	SLR Sensitivity event SMS text	-	-	“ADAS Speed limit recognition sensitivity”	ADAS speed limit recognition sensitivity event recognition SMS text.

Camera configurable parameters and protocols for on FMX640

Parameter name	Parameter ID	Parameter values	Default values
	FMx6yy		
COM1 settings	151	46 - ADAS	0
COM2 settings	173	46 - ADAS	0
Length before event	121000	[0 - 20] seconds	5
Length after event	121001	[0 - 10] seconds	0
Video/image files resolution	121002	1 - 640 x 480 2 - 1280 x 720	1
FVSA functionality	121003	0 - Disabled 1 - Enabled	0
FVSA sensitivity	121004	[1 - 5] (1 - least, 5 - most sensitive)	1
FVSA warning sound	121005	[1 - 3]	1
SLR functionality	121006	0 - Disabled 1 - Enabled	0
SLR speed limit	121007	0 - Off	0
		8 - 60 km/h	
		9 - 70 km/h	
		1 - 80 km/h	
		2 - 90 km/h	
		3 - 100 km/h	
		4 - 110 km/h	
		5 - 120 km/h	
SLR sensitivity	121008	7 - 130 km/h	1
		6 - 140 km/h	
		[1 - 5] (1 - least, 5 - most sensitive)	
LDW functionality	121009	0 - Disabled 1 - Enabled	0
LDW activation speed	121010	1 - 15 km/h	1
		2 - 30 km/h	
		3 - 45 km/h	
		4 - 60 km/h	
LDW sensitivity	121011	5 - 70 km/h	1
		[1 - 5] (1 - least, 5 - most sensitive)	
LDW warning sound repeat	121012	0 - Disabled 1 - Enabled	0
LDW warning sound	121013	[1 - 3]	1
FCW functionality	121014	0 - Disabled 1 - Enabled	0
FCW synchronization with brakes	121015	0 - Disabled 1 - Enabled	0
FCW vibration setting	121016	0 - Disabled 1 - Enabled	0
FCW sensitivity	121017	[1 - 5] (1 - least, 5 - most sensitive)	1
FCW warning sound repeat	121018	0 - Disabled 1 - Enabled	0
FCW warning sound	121019	[1 - 3]	1
SDA functionality	121020	0 - Disabled 1 - Enabled	0
SDA Re-Alert	121021	0 - Disabled 1 - Enabled	0
SDA sensitivity	121022	[1 - 5] (1 - least, 5 - most sensitive)	1
SDA repeat	121023	0 - Disabled 1 - Enabled	1
PCW functionality	121024	0 - Disabled 1 - Enabled	0
PCW vibration setting	121025	0 - Disabled 1 - Enabled	0
PCW sensitivity	121026	[1 - 3] (1 - least, 3 - most sensitive)	1
PCW warning sound	121027	[1 - 3]	1
FPW functionality	121028	0 - Disabled 1 - Enabled	0
FPW sensitivity	121029	[1 - 3] (1 - least, 3 - most sensitive)	1
FPW warning sound	121030	[1 - 3]	1

Event indication functionality	121036	0 - Disabled 1 - Enabled	0
Event indication trigger selection	121037	0 (0x00) - None 1 (0x01) - Eco 2 (0x02) - Over speeding 4 (0x04) - Geofence	0
Event warning sound level	121038	[0 - 5] (5 - loudest)	1
File upload server domain	121039	Max. 55 characters	""
File upload server port number	121040	[0 - 65535]	0
Periodic image upload functionality	121041	0 - Disabled 1 - Enabled	0
Periodic image upload period	121042	[10 - 3600] seconds	600
Image sending trigger	121043	0 (0x0000) - None 1 (0x0001) - DIN1 2 (0x0002) - DIN2 4 (0x0004) - DIN3 8 (0x0008) - DIN4 16 (0x0010) - Crash 32 (0x0020) - Towing 64 (0x0040) - Idling 128 (0x0080) - Geofence 256 (0x0100) - Unplug 512 (0x0200) - Green driving	0
Video sending trigger	121044	0 (0x00) - None 1 (0x01) - DIN1 2 (0x02) - DIN2 4 (0x04) - DIN3 8 (0x08) - DIN4 16 (0x10) - Crash	0
Video duration before trigger	121045	[0 - 20] seconds	5
Video duration after trigger	121046	[0 - 20] seconds	5
Overlay information display functionality	121047	0 - Disabled 1 - Enabled	0
Overlay information configuration	121048	0 (0x00) - None 1 (0x01) - Date and time 2 (0x02) - GPS information 4 (0x04) - Speed	0
GPS coordinates update period	121049	[1 - 3600] seconds	30

Parameters **121037**, **121043**, **121044** and **121048** are represented as a bit mask, meaning it is possible to select multiple choices by adding up individual values together.

ADAS IO elements

IO element name	Avl ID	Parameter ID start		Description/values
		FMx6yy	FMx1yy	
Speed	600	121100	121100	Speed taken from ADAS [0 - 255] km/h
Left turn signal	601	121110	121110	Left turn signal indication 0 - Off 1 - Left turn signal on
Right turn signal	602	121120	121120	Right turn signal indication 0 - Off 1 - Right turn signal on
Brake signal	603	121130	121130	Brake signal indication 0 - Off 1 - Brake signal on
RPM	604	121140	121140	RPM taken from ADAS [0 - 65535]
LDW left	605	121150	121150	ADAS lane departure warning left 0 - None 1 - Recognized 2 - LDW left event occurred 3 - Function disabled
LDW right	606	121160	121160	ADAS lane departure warning right 0 - None 1 - Recognized 2 - LDW right event occurred 3 - Function disabled
Distance left	607	121170	121170	Distance to left line [0 - 255] cm
Distance right	608	121180	121180	Distance to right line [0 - 255] cm
Time till collision	609	121190	121190	Time until collision [0 - 255] × 0,1 s
SDA	610	121200	121200	Safety distance alert 0 - None 1 - Recognized (vehicle ahead) 2 - SDA event occurred 3 - Function disabled
FVSA	611	121210	121210	Front vehicle start alarm 0 - None 2 - FVSA event occurred 3 - Function disabled
FPW	612	121220	121220	Front proximity warning 0 - None 2 - FPW event occurred 3 - Function disabled
FCW	613	121230	121230	Front collision warning 0 - None 2 - FCW event occurred 3 - Function disabled
PCW	614	121240	121240	Pedestrian collision warning 0 - None 1 - Recognized (pedestrian ahead) 2 - PCW event occurred 3 - Function disabled
Record	615	121250	121250	Recording state 0 - Off 1 - Recording (mic off) 2 - Recording (mic on)
Error code	616	121260	121260	ADAS camera error code 0 - None 1 - Low visibility 2 - Camera blocked
Ahead distance	617	121270	121270	Distance to object ahead [0 - 150] m 255 - None
Ahead speed	618	121280	121280	Speed of object ahead [-128 - 126] km/h
SLR state	619	121290	121290	Speed limit recognition state 0 - None 2 - Overspeed event 3 - Function disabled
SLR recognize	620	121300	121300	Speed limit recognized [0 - 120] km/h 0 - None
SLR sensitivity	621	121310	121310	Speed limit recognition sensitivity [0 - 255] % 255 - Unknown
SD card status	665	121320		Camera SD card state 0 - Inserted, normal operation 1 - Not detected / not mounted 2 - Not supported / faulty 3 - Needs formatting 4 - Inserted, not available / being formatted

Camera state	666	121330	MDAS9 camera state 0 - Unknown 1 - Not configured 2 - Ready 3 - No communication 4 - Updating FW 5 - Downloading snapshot 6 - Downloading video
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