

Script.CAN.Mobileye.C2-270.CAN-A.ACK_ENBL.v1.4.1.3

MOBILEYE C2-270 CAN-A Script



The compatibility of this script can only be guaranteed for:

1. Mobileye C2-270 via CAN-A interface.

This script can be used with the following devices:

1. MiX 4000
2. MiX 6000
3. FM3316 and FM3306 Communicators
4. FM3517i and FM3507i Communicators
5. FM3617i and FM3607i Communicators
6. FM3717i and FM3707i Communicators
7. FM3817i and FM3807i Communicators

Version History

Reference	Version	Changes
SCR-295	v1.2.0.5	This script supports the standard system Parameters: - Maintenance status, - Failsafe status, - No error status, - Error data status, - Sound type, - Dusk time, - Night time status, - Lane departure status, - Headway warning level, - Headway status, - Info headway measurement, - Zero speed, - Speed, - High/low beam, - Warning left lane departure, - Warning right lane departure, - Warning forward collision, - Warning pds forward collision, - Warning pds danger zone, - Tamper alert, - TSR warning level, - Brake Pedal State, - Left Turn Indicator, - Right Turn Indicator, - Wiper 1, - Head Light State. Added parameter for Tamper Alert (acronym METPA) Added support for traffic sign recognition (TSR) acronyms = METSR & METSE
SR-10362	v1.3.1.0	Added signals contained in ID 0x760.
SCR-2107 SR-16059	v1.3.1.1	Changed the CAN-HDR-ID-FORMAT value to 5 (11-bit ack-enabled mode)
SCR-2700	v1.4.1.3	Disabled speed logical. Stored speed as a standard parameter (FM ME1 Speed).

Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
MESDT	CAN.ME.MESDT	FM ME1 status sound type	0 = Silent 1 = Left LDW 2 = Right LDW 3 = HMW 4 = SLI 5 = UFCW 6 = FCW & PCW 7 = Invalid
MEDTI	CAN.ME.MEDTI	FM ME1 status dusk time	1 = Dusk 0 = Not dusk
MENTI	CAN.ME.MENTI	FM ME1 status night time	1 = Night 0 = Not night
MEZSP	CAN.ME.MEZSP	FM ME1 zero speed	0 = Speed > 0km/h 1 = Speed = 0km/h
MEHLB	CAN.ME.MEHLB	FM ME1 high/low beam	0 = IHC inactive 1 = IHC active
MEHWV	CAN.ME.MEHWV	FM ME1 status headway valid	0 = Off 1 = On
MEHWM	CAN.ME.MEHWM	FM ME1 info headway measurement	0 - 99
MEERS	CAN.ME.MEERS	FM ME1 status no error	0 = Error 1 = No error
MEERD	CAN.ME.MEERD	FM ME1 status error data	
MELDO	CAN.ME.MELDO	FM ME1 status lane departure off	0 = Off 1 = On
MELLD	CAN.ME.MELLD	FM ME1 warning left lane departure	0 = No left LDW alert 1 = Left LDW alert active
MERLD	CAN.ME.MERLD	FM ME1 warning right lane departure	0 = No right LDW alert 1 = Right LDW alert active
MEFCW	CAN.ME.MEFCW	FM ME1 warning forward collision	0 = No FCW alert 1 = FCW/Soft FCW
MEMNT	CAN.ME.MEMNT	FM ME1 status maintenance	

MEFLS	CAN.ME.MEFLS	FM ME1 status failsafe	0 = System okay 1 = System in failsafe
MEPFC	CAN.ME.MEPFC	FM ME1 warning pds forward collision	0 = No PCW alert 1 = PCW alert active
MEPDZ	CAN.ME.MEPDZ	FM ME1 warning pds danger zone	0 = No warning 1 = Warning
METPA	CAN.ME.METPA	FM ME1 tamper alert	0 = Off 1 = On
METSE	CAN.ME.METSE	FM ME1 status TSR enabled	0 = Off 1 = On
METSR	CAN.ME.METSR	FM ME1 status TSR warning level	0 - 2
MEHWL	CAN.ME.MEHWL	FM ME1 status headway warning level	0 = Off 1 = HW icon green 2 = HW icon red 3 = Invalid
MESPD	CAN.ME.MESPD	FM ME1 Speed	0 – 255 km/h
BRKPS	System.FM.CAN.BRKPS	FM CAN: Brake Pedal State	0 = Not available 1 = Disengaged 2 = Engaged
LTSSI	System.FM.CAN.LTSSI	FM CAN: Left Turn Indicator	0 = Off 1 = On
RTSSI	System.FM.CAN.RTSSI	FM CAN: Right Turn Indicator	0 = Off 1 = On
WPR01	System.FM.CAN.WPR01	FM CAN: Wiper 1	0 = Not available 1 = On 2 = Off
HDLTS	System.FM.CAN.HDLTS	FM CAN: Head Light State	0 = Off 2 = Low beam 3 = High beam

Installation Notes

1. **The script is NOT compatible with TRACERS**
2. The wires are directly connected to Mobileye and cannot be used to monitor the CAN bus of the vehicle.
3. The ID format is not supported by MESA releases before release 4.10.x
4. The CAN jumpers must be in a position to allow Read and request actions the CAN bus (Active Mode).
5. The script supports 11-bit CAN message identifier CAN headers.
6. The script only supports a CAN bus with a speed of 500 kbit/s CAN bus speed
7. Device Drivers: [BAS 1.70k - E15.08.27.xx](#) or later sets are supported

Wiring and Installation Instructions

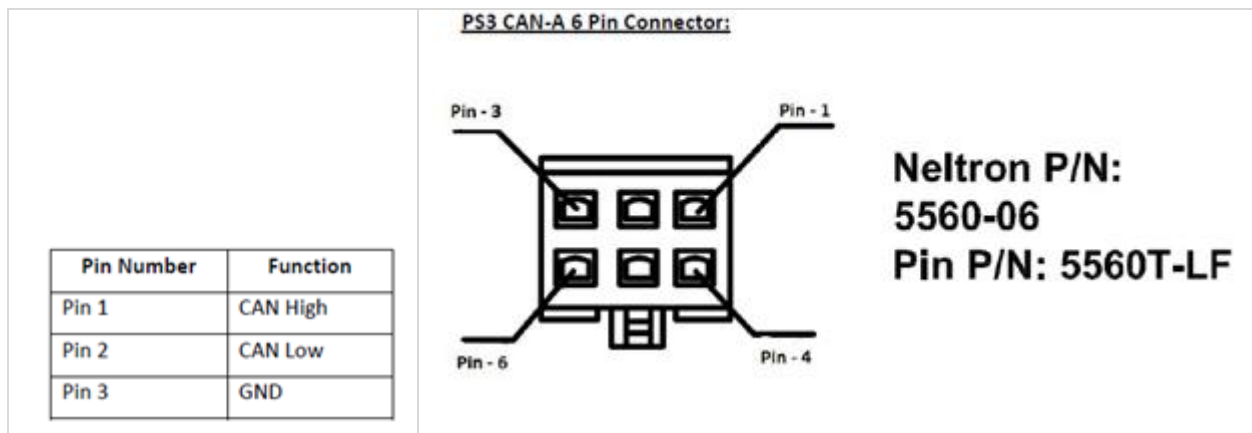


Figure 1: Mobileye CAN-A port Pin-out

Table 1: Wiring between Mobileye CAN-A port and OBC.

FM Voice kit cable	pin	wire	colour	FM3316	wire	colour
	1	CAN High	red		CAN High	yellow
	2	CAN Low	yellow		CAN Low	green