

Script.CAN.GM.GLOBAL-A-PWR.v1.0.0.1\_MG

## GM GLOBAL-A CAN Script

**The compatibility if this script can only be guaranteed for:**

1. GM Global-A Vehicles

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
<a href="#">SCR-2648</a>	v1.0.0.0	<p>This script supports the standard system Parameters:</p> <p>Wheel based speed,  Accelerator Pedal Position,  Ambient Air Temperature,  Engine Coolant Temperature,  Engine Speed, High resolution odometer,  Fuel level, Cruise Control Set Speed,  Cruise Control State, Park Brake State,  High beam light status, Left Turn Indicator,  Right Turn Indicator, Dimmed light status,  Side lamp status, Hazard light status, Driver Door 1, Driver Door 2, Passenger Door 1, Passenger Door 2, Seat Belt State, Passenger Seat Belt Status, Brake Pedal State, Trunk Door 1, Gear Box Drive Mode (Park, Reverse, Neutral and Drive), Wiper 1.</p>
<a href="#">SCR-2648</a>	v1.0.0.1	Added ECMST parameter.
<a href="#">SCR-2648</a>	v1.0.0.1	Converted script to production version. Enabled Odo sync.

## Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
CAN_V	System.Scratch40D	Road speed	
FMAPP	FMS.FMAPP	FMS AcceleratorPedalPosition	
AMBAT	System.FM.CAN.AMBAT	FM CAN: Ambient Air Temperature	
FMSCT	FMS.FMSCT	FMS Engine Coolant Temperature	
FMODO	System.FM.CAN.FMODO	FM CAN: Odometer	
FMSFL	FMS.FMSFL	FMS Fuel level	
CAN_N	System.Scratch40C	Engine RPM	
FMCCS	FMS.FMCCS	FMS Cruise Control Set Speed	
FCCST	System.FM.CAN.FCCST	FM CAN: Cruise Control State	0 = Not Available 1 = ON 2 = OFF
PBRKS	System.FM.CAN.PBRKS	FM CAN: Park Brake State	0 = Not Available 1 = Engaged 2 = Not Engaged
HBLTS	System.FM.CAN.HBLTS	FM CAN: High beam light status	0 = Not Available 1 = ON 2 = OFF 3 = Flashing
LTSSI	System.FM.CAN.LTSSI	FM CAN: Left Turn Indicator	0 = Not Available 1 = ON 2 = OFF
RTSSI	System.FM.CAN.RTSSI	FM CAN: Right Turn Indicator	0 = Not Available 1 = ON 2 = OFF
DIMLS	System.FM.CAN.DIMLS	FM CAN: Dimmed light status	0 = Not Available 1 = ON 2 = OFF
SDLMP	System.FM.CAN.SDLMP	FM CAN: Side lamp status	0 = Not Available 1 = ON 2 = OFF
HZRDS	System.FM.CAN.HZRDS	FM CAN: Hazard light status	0 = Not Available 1 = ON 2 = OFF

DD01S	System.FM.CAN.DD01S	FM CAN: Driver Door 1	0 = Not Available 1 = Open 2 = Closed
DD02S	System.FM.CAN.DD02S	FM CAN: Driver Door 2	0 = Not Available 1 = Open 2 = Closed
PDOS1	System.FM.CAN.PDOS1	FM CAN: Passenger Door 1	0 = Not available 1 = Open 2 = Closed
PDOS2	System.FM.CAN.PDOS2	FM CAN: Passenger Door 2	0 = Not Available 1 = Open 2 = Closed
SBLTS	System.FM.CAN.SBLTS	FM CAN: Seat Belt State	0 = Not Available 1 = Engaged 2 = Not Engaged
PSBLT	System.FM.CAN.PBELT	FM CAN: Passenger Seat Belt Status	0 = Not Available 1 = Engaged 2 = Not Engaged
BRKPS	System.FM.CAN.BRKPS	FM CAN: Brake Pedal State	0 = Not Available 1 = Engaged 2 = Not Engaged
DTS01	System.FM.CAN.DTS01	FM CAN: Trunk Door 1	0 = Not Available 1 = Open 2 = Closed
GBDRM	System.FM.CAN.GBDRM	FM CAN: Gear Box Drive Mode	0 = Not Available 1 = Parked 2 = Neutral 3 = Drive 4 = Reverse
WPR01	System.FM.CAN.WPR01	FM CAN: Wiper 1	0 = Not Available 1 = Engaged 2 = Not Engaged
GBDM1	System.FM.CAN.GBDM1	FM CAN: Gear Box Mode Park	1 = Engaged 0 = Not Engaged
GBDM2	System.FM.CAN.GBDM2	FM CAN: Gear Box Mode Reverse	2 = Engaged 0 = Not Engaged
GBDM3	System.FM.CAN.GBDM3	FM CAN: Gear Box Mode Neutral	3 = Engaged 0 = Not Engaged
GBDM4	System.FM.CAN.GBDM4	FM CAN: Gear Box Mode Drive	4 = Engaged 0 = Not Engaged

## Installation Notes

1. **The script is NOT compatible with TRACERS**
2. The CAN jumpers must be in a position to ONLY allow **read** actions on the CAN bus (Passive Mode)
3. The script supports 11 bit CAN message identifier CAN headers.
4. The script only supports a CAN bus with a speed of 500 kbit/s CAN bus speed
5. Device Drivers: [BAS 1.70k - E15.08.27.xx](#) or later sets are supported

## Wiring and Installation Instructions

CAN bus location	No details
Wire colours & details	No details
Can bus speed	CAN_500_kbps

The diagram shows a 16-pin connector with two rows of pins. The top row is labeled 1 through 8, and the bottom row is labeled 9 through 16. Above the connector, the labels POS 1, POS 2, and POS 3 are positioned over pins 1-2, 3-4, and 5-6 respectively. Red boxes highlight pins 1, 3, and 6 in the top row, and pins 9, 11, and 14 in the bottom row. A mouse cursor is pointing at pin 12.