Script.CAN.EV.MICROBIRD.ELECTRIC-BUS.POS5.1FDFE4FN_RD.StdID.v1.1.0.1_MG

MICRO BIRD ELECTRIC BUS CAN Script

The compatibility if this script can only be guaranteed for:

1. Micro Bird Electric Bus model
2. Vehicles with a VIN Number that starts with: **1FDFE4FN_RD**

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

This script is intended to be used in conjunction with:
Script.CAN.EV.MICROBIRD.ELECTRIC-BUS.POS5.1FDFE4FN_RD.ExtID.v1.1.0.1_MG

Version History

Reference	Version	Changes
SCR-2689	v1.0.0.0	This script supports the standard system Parameters: State of charge, Road speed, Odometer, Seat Belt State, Passenger Seat Belt, Front Middle Seat Belt Brake Pedal State, Park Brake State, Accelerator Pedal Position, Driver Door 1, Passenger Door 1, Head Light State, Gear Box Drive Mode, Left Turn Indicator, Right Turn Indicator, Passenger Weight Sensor. The script should be compatible with vehicles with a VIN starting with: 1FDFE4FN_RD **This script is intended to be used in conjunction with:** Script.CAN.EV.MICROBIRD.ELECTRIC-BUS.POS5.1FDFE4FN_RD.ExtID.v1.0.0.0_MG_BETA
SCR-2689	v1.1.0.1	Moved SOC into ExtID. Selected alternative speed source.
SCR-2689	v1.1.0.1	Converted to Production version. Enabled odo sync.

Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
CAN_V	System.Scratch40D	Road speed	
FMODO	System.FM.CAN.FMODO	FM CAN: Odometer	0 to 16 777 200 km
SBLTS	System.FM.CAN.SBLTS	FM CAN: Seat Belt State	0 = Not Available 1 = Engaged 2 = Disengaged 3 = Faulty 4 = Unknown
PSBLT	System.FM.CAN.PBELT	FM CAN: Passenger Seat Belt Status	0 = Not Available 1 = Engaged 2 = Disengaged 3 = Faulty 4 = Unknown
FMBLT	System.FM.CAN.FMBLT	FM CAN: Front Middle Seat Belt	0 = Not Available 1 = Engaged 2 = Disengaged 3 = Faulty 4 = Unknown
BRKPS	System.FM.CAN.BRKPS	FM CAN: Brake Pedal State	0 = Not Available 1 = Released 2 = Pressed 3 = Undefined
PBRKS	System.FM.CAN.PBRKS	FM CAN: Park Brake State	0 = Not Available 1 = Disengaged 2 = Engaged
DD01S	System.FM.CAN.DD01S	FM CAN: Driver Door 1	0 = Not Present 1 = Open 2 = Closed
PDOS1	System.FM.CAN.PDOS1	FM CAN: Passenger Door 1	0 = Not Present 1 = Open 2 = Closed
HDLTS	System.FM.CAN.HDLTS	FM CAN: Head Light State	0 = Not Available 1 = On 2 = Off
GBDRM	System.FM.CAN.GBDRM	FM CAN: Gear Box Drive Mode	0 = Not Available 1 = Park 2 = Reverse 3 = Neutral 4 = Drive 5 = Sport 6 = Manual 1 Low 7 = Manual 2 8 = Manual 3

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
PWSNS	System.FM.CAN.PWSNS	FM CAN: Passenger Weight Sensor	0 = Not Available 1 = Occupied 2 = Empty 3 = Unknown 4 = Faulty
FMAPP	FMS.FMAPP	FMS AcceleratorPedalPosition	0 to 100 %

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 headers.
4. The script only supports a CAN bus with a speed of 500 kb/s
5. Device Drivers: BAS 1.70k - E15.08.27.xx or later sets are supported

Wiring and Installation Instructions

CAN bus location	Pos 5) Other
Wire colours & details	Under steering wheel, gateway module labeled MDD
Can bus speed	CAN_500_kbps