Script.CAN.EV.MICROBIRD.ELECTRIC-BUS.POS5.1FDFE4FN_RD.ExtID.v1.2.0.2_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.StdID.v1.1.0.1_MG

Version History

Reference	Version	Changes
SCR-2689	v1.0.0.0	This script supports the standard system Parameters: Average energy consumption, Instantaneous energy consumption, Charging status, Voltage level. 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.StdID.v1.0.0.0_MG_BETA
SCR-2689	v1.1.0.1	Moved SOC into ExtID.
SCR-2689	v1.1.0.1	Converted to Production version.
SCR-2730	v1.2.0.2	Added current. Added Energy parameters.

Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
AVGKW	System.FM.CAN.AVGKW	EV CAN: Average Power Consumption	65.5 kWh/km = Not Available
FMIPK	System.FM.CAN.FMIPK	EV CAN: Instantaneous Power Consumption	65.5 kWh/km = Not Available
EVICS	System.FM.CAN.EVICS	EV CAN: Charging status	-1 = Initialised 0 = Not Charging 1 = Charging
HVVOL	System.FMS.CAN.HVVOL	EV CAN: HVESS voltage level	0 to 6553.5 V
HVBCR	System.FM.CAN.HVBCR	HV Battery Current	-3000 to 3553.5 A
EBIEN	System.FM.CAN.EBIEN	EV CAN: Battery current charge power	0 to 23 287.8 kW
EBOEN	System.FM.CAN.EBOEN	EV CAN: Battery current discharge power	0 to 19 660.5 kW
INPOW	System.FM.CAN.INPOW	EV CAN: Instantaneous Power	-1000 to 23 287.8 kW
BIKWH	System.FM.CAN.BIKWH	EV CAN: Energy generated	0 to 4 294 967 295 kWh
BOKWH	System.FM.CAN.BOKWH	EV CAN: Energy consumed	0 to 4 294 967 295 kWh
TNETE	System.FM.CAN.TNETE	EV CAN: Trip net energy usage	0 to 429 496 729.5 kWh
EBSOC	System.FM.CAN.EBSOC	EV CAN: State of charge	0 - 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 29-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