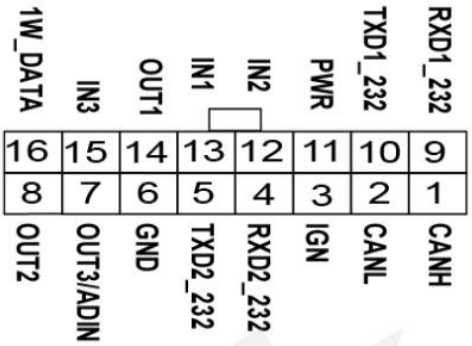
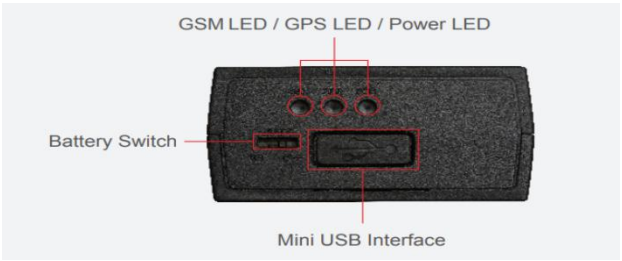
GV350M





Power Supply - 12 or 24volts

PIN	PIN Name	Colour	Description
1	CANH	BROWN/WHITE	Yellow of Cango
2	CANL	BROWN/BLACK	Blue of Cango
3	IGN	WHITE	Ignition
4	RXD2_232		
5	TXD2_232		
6	GND	BLACK	Vehicle Ground
7	ADIN/OUT3	BROWN	Buzzer Negative
8	OUT2	GRAY	Buzzer Negative
9	RXDX1_232		
10	TXD1_232		
11	PWR	RED	Constant Power
12	IN2	BLUE	Accident Button
13	IN1	ORANGE	DURESS
14	OUT1		
15	IN3	PINK	PTO
16	1W_Data	GREEN	To red wire of Latched Reader - Other side to GND

Log on buzzer

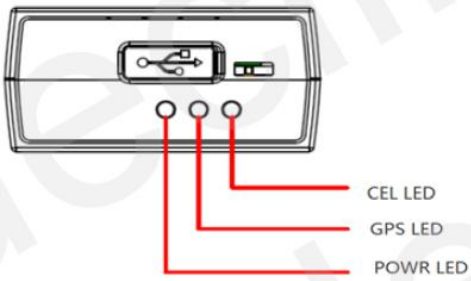
Prixcar

Driver ID BUzzer is on Input 3

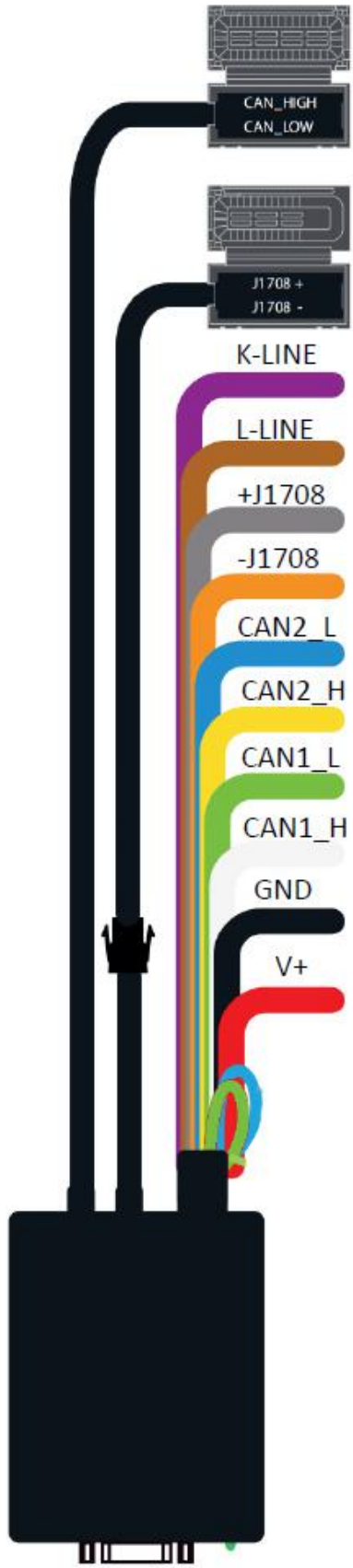
LED @104km/h Output 2

Buzzer @104km/h Output 2

LED	Device Status	LED Status
CEL (Note 1)	Device is searching CEL network.	Fast flashing
	Device has registered to CEL network.	Slow flashing
	SIM card needs PIN to unlock.	ON
GPS (Note 2)	GPS chip is powered off.	OFF
	GPS sends no data or data format error occurs.	Slow flashing
	GPS chip is searching GPS signal.	Fast flashing
	GPS chip has received GPS signal.	ON
PWR (Note 2)	No external power and internal battery voltage is not lower than 3.65V.	OFF
	No external power and internal battery voltage is below 3.65V.	Slow flashing
	External power in and internal battery is charging.	Fast flashing
	The external power is connected and the battery is not in the charging state.	ON

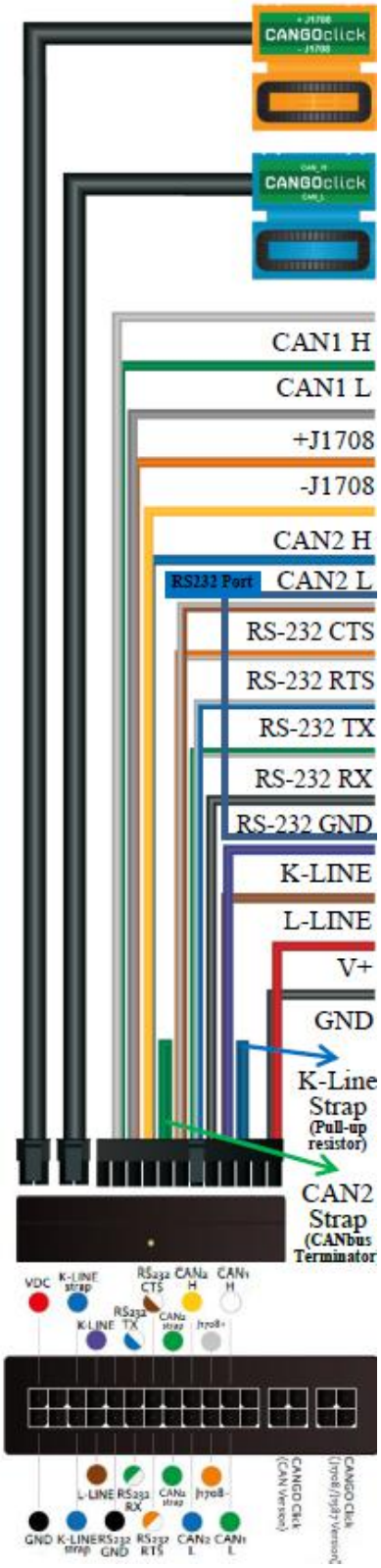


MyFleet FMS Gateway v1 (Round edges , Non removable harness)



Not Used
Not Used
Not Used
Not Used
Not Used
Not Used
GPS Logger CAN – L (S1.5)
GPS Logger CAN – H (S1.4)
Vehicle CANBUS Low
Vehicle CANBUS High
Battery negative
12v or 24v Constant (fused)

MyFleet FMS Gateway v2 (Square edges, Removable harness)



Not Used
Not Used
GREY = Vehicle CANBUS High **GREEN = Vehicle CANBUS Low**
Not Used
YELLOW = GPS Logger CAN – H (S1.4) **BLUE = GPS Logger CAN – L (S1.5)**
Not Used
RED = 12v or 24v Constant (fused)
BLACK = Battery negative

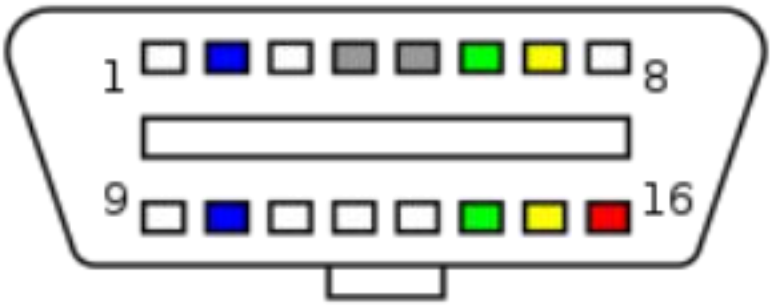
Deutsch Connector

9 contacts diagnostic connector (CBLHD9)

#	Signal
A	GND
B	V+
C	J1939(+)
D	J1939(-)
E	J1939 SHD
F	J1708(+)
G	J1708(-)

OBD2 Pinout

1	Manufacturer discretion -	9	Manufacturer discretion -
2	Bus Positive Line of SAE J1850 PWM and VPW	10	Bus Negative Line of SAE J1850 PWM only (not SAE J1850 VPW)
3	Manufacturer discretion -	11	Manufacturer Discretion -
4	Chassis ground	12	Manufacturer discretion -
5	Signal ground	13	Manufacturer discretion -
6	CAN-High (ISO 15765-4 and SAE J2284)	14	CAN-Low (ISO 15765-4 and SAE J2284)
7	K-Line of ISO 9141-2 and ISO 14230-4	15	L-Line of ISO 9141-2 and ISO 14230-4
8	Manufacturer discretion -	16	Battery voltage



Measurements Procedure with CANGO FMS interface

Instructions to make a raw CAN bus log with the CANGO FMS interface:

1) Connect the FMS Interface to the vehicle CAN bus network with the CAN 1 cables (Green cable - CAN low, White cable - CAN high);
2) Connect the FMS interface to a laptop and open the CANfigurator software;
3) If needed: set the serial connection with FMS ("Settings\UART baudrate 115200"), set the CAN-bus speed ("Settings\CAN baudrate");
4) Go to the "CAN bus input tab", check "Capture in file", set the log file path, press "Save", press "Connect";

The logs and information necessary to make a new vehicle firmware:

1) Write down the VIN of the car;
2) **First log** - Make a log with the next information **respecting the order** that follows:
    1. Press 3 times the Brake Pedal quickly, then pause for 3 seconds, repeat that for 3 times;
    2. Press 3 times the Accelerator Pedal quickly, then pause for 3 seconds, repeat that for 3 times;
    3. Press 3 times Clutch Pedal quickly, then pause for 3 seconds, repeat that for 3 times;
    4. Pull and release Handbrake for 3 times, then pause for 3 seconds, repeat that for 3 times;
    5. Start Engine for 3 times passing through this steps slowly: Key IN, Accessories, Ignition, Start engine, Run, Key Out;
    6. With started engine run: on idle, ~2000 rpm, idle, ~3000 rpm, idle, ~2000 rpm, idle;
3) **Second log** - Make a log during a trip with the vehicle (**you must collect the dashboard data**):
    1. Before the trip write on paper all the parameters from the dashboard to complete the table below, if needed had any parameter requested that is not specified in the table;
    2. Make a trip of 10…100 km, at different speeds;
    3. If the car is equipped with Cruise Control, use it during the trip for a few kilometers.
    4. After the trip write down the new data from the dashboard.
4) **Third log** – Make a log while refueling the vehicle tank:
    1. With the Ignition ON start refuel the tank from empty to full by steps of 20%, pausing for 20 seconds for stabilization.
5) Please take a picture of the vehicle CAN bus location for us to make an installation manual.

FMS parameters from dashboard	Units	Values at the beginning of the trip	Values at the end of the trip
Odometer (Total Distance)			
Trip A			
Trip B			
Range			
Fuel Level			
Average Fuel Consumption			
Fuel Rate (Instant Consumption)			
Engine Temperature			
Outdoor Temperature			
Requested parameters			