

FMB140 autoscan feature instructions

Autoscan on init feature

Autoscan on init feature will only work with these conditions:

- Before Autoscan procedure make [CAN Adapter update](#);
- Device has a program number 11120 or 11130;
- Ignition source is **DIN1** or **Power Voltage**;
- Ignition must be **ON**;

After device startup, autoscan will begin. It will scan for available program numbers with a timeout of 50 seconds. Autoscan feature will retry for 3 times in total. After that autoscan will be cancelled. If autoscan on init is successful it will take the first program number received and set it in internal CAN chip and device configuration. Thus, device will continue to work with that program number. The rest of program number list is not available and not displayed in configurator. Although, it can be received using sms command: *lvcanproglis*.

Using Autoscan manually

Autoscan is a feature that automatically finds the best program number for your vehicle. Here is a quick guide on how to use the *Autoscan* feature.

Step 1. Update FMB140 firmware to the newest FW version [FMB140 firmware errata](#).


Step 2. Find the OBD-II port (diagnostic connector) in your vehicle. Connect the FMB140 CAN1L and CAN1H wires to OBD-II Connector PIN14 and PIN6 respectively.



Step 3. After the connection is done successfully, launch the configurator and navigate to the CAN Adapter tab. Before clicking the Scan button, make sure that ignition is ON. FMB140 configured ignition source should be DIN1 or Power Voltage. Scan button will only be available if device is connected to the configurator.



After pressing the scan button configurator will wait up to 60 seconds for device to send up to 9 program numbers. If timeout is reached configurator will display an error. If no CAN bus connection is detected, configurator will return an error after pressing the scan button.

If scanning through OBD-II port (diagnostic connector) goes unsuccessfully, try connecting  CAN1L and CAN1H wires directly to vehicle CAN bus using [ECAN01](#) or [Mini-CAN](#) contactless reader (look for a pair of twisted wires near vehicle ECU) .



After a successful scan, a list of compatible program numbers will be displayed. The first program number will be saved in device internal CAN chip and device configuration. Available parameters will be highlighted in green. You can try entering each of the scanned numbers into device configuration to see which parameters are available and which suggestion works best for the vehicle.

Teltonika.Configurator v1.5.5.29406

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Load from device Save to device Update firmware Reset configuration
 Load from file Save to file Read records Reboot device

IMEI FW 03.25.15 Rev:143 Configuration 6.1.15.0

Program Number AutoScan
 Scan 11137
 Set 11118

CAN Adapter Settings
 Send data with 0, if ignition is off Program Number 11137 DTC request period(min) 0
 Disable Enable

Input Name	Current Value	Units	Priority	Low Level	High Level	Event Only	Op
Vehicle Speed	0	km/h	None Low High Panic	0	0	Crash Yes No	Me
Acceleration Pedal Position	0	%	None Low High Panic	0	0	Crash Yes No	Me
Fuel Consumed	-	ltr	None Low High Panic	0	0	Crash Yes No	Me
Fuel Level	360	ltr*10	None Low High Panic	0	0	Crash Yes No	Me
Engine RPM	831	rpm	None Low High Panic	0	0	Crash Yes No	Me
Total Mileage	224506000	m	None Low High Panic	0	14	Crash Yes No	Me
Fuel Level	-	%	None Low High Panic	0	0	Crash Yes No	Me
Door Status	8704		None Low High Panic	0	0	Crash Yes No	Me
Program Number	11137		None Low High Panic	0	0	Crash Yes No	Me
Module ID 17B	0x5E266F351287C9E2F9F6FD57F2CSB04604		None Low High Panic			Crash Yes No	Me
Module ID 8B	-		None Low High Panic	0	0	Crash Yes No	Me
Engine Worktime	-	min	None Low High Panic	0	0	Crash Yes No	Me
Engine Worktime (counted)	-	min	None Low High Panic	0	0	Crash Yes No	Me
Total Mileage (counted)	1372250	m	None Low High Panic	0	0	Crash Yes No	Me