

CONFIGURING THE OBD-200 MODULE

A step-by-step guide to programming a new OBD-200 module with the MR-55 handheld: vehicle preset, initial odometer, bus number, and auto baud.

MODULE	HANDHELD	STEPS	EST. TIME
OBD-200	MR-55	9	10-15 min

FIG 01

```
BUS> 0009 / 000123
ODO> 12345.6
EHRS> 7890.1
IHRS> 2345.6
```

MR-55 read results for a connected OBD-200.

WHAT YOU'RE CONFIGURING

SETTING UP A NEW OBD-200

The OBD-200 reports odometer, engine-hour, and bus data back to Fleetwatch. Before it goes into service, use the MR-55 handheld to tell it which vehicle preset to run, what the odometer currently reads, which bus number it's on, and to auto-detect the CAN bus rate.

BEFORE YOU BEGIN

Put the MR-55 into technician mode first, plug in the module, turn the ignition on, then press **ID, NO, YES** in order. The header changes to ****Main Menu**** when it works. Stay in this mode through all four sections below; if the header ever reverts, just repeat this step.

IMPORTANT NOTE

Always perform the auto baud as the final step during configuration.

PROCEDURE AT A GLANCE

PHASE 1 · STEPS 1-3	PHASE 2 · STEPS 4-5	PHASE 3 · STEPS 6-7	PHASE 4 · STEPS 8-9
VEHICLE PRESET Program the module for this vehicle's Para or Non-Revenue preset.	INITIAL ODOMETER Set the module's starting odometer to match the dashboard.	BUS NUMBER Assign the vehicle/bus number to the module.	AUTO BAUD Auto-detect the CAN bus rate with the ignition on.

PHASE 1 — SET THE VEHICLE CONFIGURATION PRESET

1

READ THE MODULE

With the MR-55 in technician mode, press **1** to read the OBD-200. Wait for the results to fully populate before continuing.

FIG 02

BUS> 0009 / 000123
ODO> 12345.6
EHRS> 7890.1
IHRS> 2345.6

Read results, MR-55 main menu.

2

OPEN CAN/OBD SETUP

Press **CLEAR** to open the configuration menu, then step down through the menus: **3** (Initial Values) → **4** (More) → **4** (CAN/OBD Setup) → **4** (More).

Four menus deep, if you land somewhere unexpected, press **CLEAR** and start the sequence again.

FIG 03

1. RF PARAMETERS
2. SET BUS#
3. **INITIAL VALUES**
4. GPS SETTINGS

Configuration menu (CLEAR).

3

SELECT THE PRESET & RESET

Choose **Para Preset** or **NonRev Preset** for the vehicle this module is being installed in. Once it's programmed, press **"RESET"** on the MR-55 to return to the main menu.

FIG 04

1. Odo Src Fltr
2. **Para Preset**
3. NonRev Preset
4. MORE

CAN/OBD Setup → More.

PHASE 2 — SET THE INITIAL ODOMETER

4

RETURN TO INITIAL VALUES

Read the module again (1), press **CLEAR** for the configuration menu, then press **3** for Initial Values.

FIG 05

1. **INITIAL ODO**
2. ODO SOURCE
3. ENGINE HOURS
4. MORE

Initial Values menu.

5

ENTER THE ODOMETER & RESET

Press **1** for Initial ODO, enter the dashboard reading, and press **"SEND"**. Press **"RESET"** when done to return to the main menu.

This value is in tenths of a mile. If the dashboard doesn't show tenths, leave that last digit at 0.

FIG 06

ENTER ODOMETER
>
CURRENT SETTING
1234.0

Odometer entry screen.

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PHASE 3 — SET THE BUS NUMBER

6

OPEN SET BUS#

Read the module (1), press **CLEAR** for the configuration menu, then press **2** for “SET BUS#”.

FIG 07

1. RF PARAMETERS

2. **SET BUS#**

3. INITIAL VALUES

4. GPS SETTINGS

Configuration menu (CLEAR).

7

ENTER THE NUMBER & RESET

Enter the vehicle number and press **“SEND”**. Once it's set, press **“RESET”** on the MR-55 to return to the main menu.

PHASE 4 — RUN AUTO BAUD

8

OPEN AUTO BAUD

Read the module (1), press **CLEAR** for the configuration menu, press **3** for Initial Values, then **4** for More.

FIG 08

1. IDLE HOURS

2. TIRE FACTOR

3. STANDARD CFGS

4. **CAN/OBD Setup**

Initial Values → More.

9

RUN AUTO BAUD

Select **Auto baud** (1) and press **“SEND”**.

Ignition must be ON. Auto baud can't detect the CAN bus rate with the ignition off, the MR-55 will report a failure.

FIG 09

1. **Auto baud**

2. Bit Rate

3. EID or SID

4. MORE

CAN/OBD Setup menu.

NEED A HAND?

For configuration failures, or if the module won't read after Step 9, call S&A Systems, Inc.

(972) 722-1009 x32

ASK FOR OBD-200 SETUP