

New Local Dashboard (Wi-Fi Web Interface)

- Access device settings from any phone, tablet, or computer — connect to the device's Wi-Fi and open the dashboard in a browser.
- Modern, mobile-friendly design — works well on any screen size.
- View and edit settings directly — with clear Edit/Save buttons and dropdown menus for simple options (Yes/No, On/Off).
- Control buttons — Factory Reset and Reboot available right from the dashboard.
- Tabs for easy navigation — Main, Users, Time, System, Docs, Logs, and Portal.
- Vehicle running indicator — shows a clear alert when the vehicle is running and prevents accidental setting changes.

To access the Dashboard: Type in the SM301E's IP address directly into address bar of any device (cell phone, laptop, etc.) that is connected to the same Wi-Fi net work. **Figure 1**

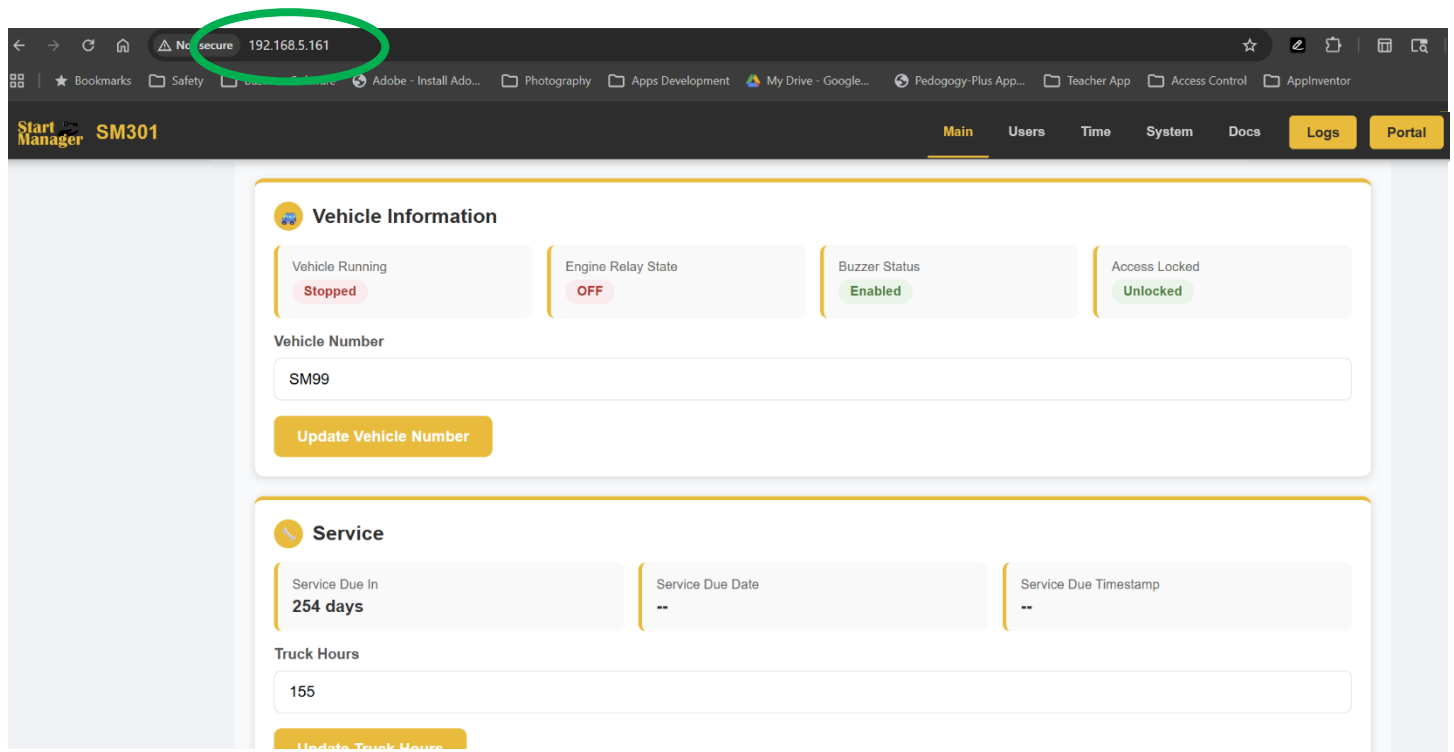


Figure 1

Note: You can now make changes direct to the Start-Manager SM301E unit from this dashboard.

Main page details:

1. Change the vehicle ID number.
2. Change the vehicle hours
3. Turn Wi-Fi feature on or off.
4. Change SSID.
5. Change Wi-Fi password.
6. Turn safety check feature on or off.
7. Adjust the number of shifts.
8. Change the first shift start time.

Vehicle Information

Vehicle Running

Stopped

Engine Relay State

OFF

Buzzer Status

Enabled

Access Locked

Unlocked

Vehicle Number

SM99

Update Vehicle Number

①

Service

Service Due In

254 days

Service Due Date

--

Service Due Timestamp

--

Truck Hours

155

Update Truck Hours

②

WiFi Configuration

Status

Disconnected

WiFi Radio

ON

③

WiFi SSID

CEMSI

④

WiFi Password

Enter WiFi Password

⑤

Update WiFi Credentials

Safety Settings

Questions

11

Last Safety Done

--

Last Safety Done By

Not Available Yet

Safety Due After

Not Calculated Yet

Safety Check

ON

⑥

Safety Check Pass

Yes

Shifts

3

⑦

Start Hour

8

⑧

Start Minute

0

Users Page:

1. Use to manually add codes & cards from the app.
2. Use to check what codes, cards and supervisors are assigned to the SM301E unit.
3. Use to pull and push codes, cards and supervisors directly from the portal.

User Management

User Code

Enter user code ①

Add User

Check User

Remove User

User Lists

Operators

Read from Device

Supervisors ②

Read from Device

RFID Cards

Read from Device

Cloud Sync ③

Push (Device to Portal)

Pull (Portal to Device)

Upload Queue

Idle

Last Upload

4/16/2026, 8:54:32 AM

Last Download

4/16/2026, 8:54:28 AM

Last Local Change

1/18/2038, 10:14:07 PM

Time Page:

1. Use to Turn Auto Time Sync on and off.
2. Use to manually change the time zone offset
3. Use to manually adjust date & time.

Current Time

Date
2026-04-16

Time
08:01 AM

Auto Sync
ON

Time Zone
UTC-5

Time Settings

Auto Time Sync

ON ①

Time Zone Offset

UTC-05:00 ②

Update

Set Time

Date

2026-04-16 ③

Time

08:53 AM

Set Time

System Page:

1. Use to enable or disable sleep feature.
2. Use to Reboot, Reset or Factory Reset the device
3. Use to manually update the firmware.
4. Use to refresh or repair the system memory.

Control Commands

Sleep Mode
Enabled

Use this during troubleshooting to keep the display and device awake. Sleep mode returns to enabled after reboot.

Disable Sleep

Enable Sleep

Reboot

Reset

Factory Reset

Device Information

Firmware Version
sm301_e100_v10.3.29

Hardware Version
E100

MAC Address
24:4C:AB:37:62:64

Uptime
9m 18s

Firmware Update

Select Firmware (.bin)

Choose File

No file chosen

Start Update

Storage Information

SPIFFS Usage
67.9 KB

SPIFFS Total
2.69 MB

NVS Free Entries
70% (304 free)

Free Heap
55.89 KB

SPIFFS 2%

Refresh

Repair NVS

System Page:

- Use to review the system notifications description displayed on the SM301E device.

System Notifications

These notifications appear on the device display during various system operations.

#	Notification	Description
1	System Ready	Device has completed initialization
2	Firmware Updating...	Firmware update has started
3	Update in Progress	Firmware download/installation ongoing
4	Firmware Updated	Firmware update completed successfully
5	Firmware Update Error	Firmware update failed
6	Driver Updating...	Driver update has started
7	Driver in Progress	Driver download/installation ongoing
8	Driver Updated	Driver update completed successfully
9	Driver Update Error	Driver update failed
10	Initializing Driver	Driver initialization starting
11	Syncing Time...	Time synchronization in progress
12	Time Sync Error	Time synchronization failed
13	Time Synchronized	Time sync completed successfully
14	Downloading Codes...	User codes download in progress
15	Codes Download Error	Codes download failed
16	Codes Downloaded	Codes download completed successfully
17	Wrong Vehicle Number	Vehicle number mismatch with portal
18	Codes Synced	Codes synchronized with server
19	Loading Questions...	Safety questions download in progress
20	Questions Load Error	Safety questions download failed
21	Questions Loaded	Safety questions loaded successfully
22	Entering Sleep Mode	Device is entering low-power sleep mode
23	Special Commands	Hold left arrow for 5 seconds to enter special commands
24	Press a Command Key	Hold right arrow for 3 seconds, then hold 2, 5, or 8
25	Rebooting System...	Device is performing a restart
26	Soft Resetting...	Device is restarting without clearing settings
27	Factory Resetting...	Device is clearing stored data before restart

Special Key Combinations

Sequence	Final Hold	Action
0	10 sec	View Device Info (limited access)
Hold <, then hold >, then hold 2	5 sec, 3 sec, 3 sec	Reboot Device
Hold <, then hold >, then hold 5	5 sec, 3 sec, 3 sec	Soft Reset
Hold <, then hold >, then hold 8	5 sec, 3 sec, 3 sec	Factory Reset

Special reset keys: Hold < for 5 seconds until "Special Commands" appears. Then hold > for 3 seconds until "Press a Command Key" appears. Then hold 2, 5, or 8 for 3 seconds. Release early to cancel.