HIGH MANAGER

USER GUIDE

CONTENT

I. Introduction

High Manager is an on-board air compressor system designed to easily level the vehicle digitally. It can be operated both with the included Bluetooth controller and with a free app, available for iOS and Android operating systems.

The package includes a compressor with a control module, wiring harness, Bluetooth controller, a tire inflator kit and other installation parts. This system can be installed inside or outside the vehicle and can be adjusted according to the vehicle's status. The Bluetooth controller uses button batteries as its power supply and offers three user-defined setting options. High Manager maintains minimum air pressure (5psi [0. 3bar])in the system as an added safety measure.

II. Wireless Controller

1. Operation

1) Before use, please open the shell of the wireless controller and install the two CR2032 button batteries into the battery holder, with the negative electrode of the battery facing the PCB board.

2) Awaken the Controller by pressing any button. Users will see main display interface after the boot animation. The controller will enter sleeping mode and its backlight automatically goes off upon no operation for 20 seconds.

3) Press the up or down arrows, the pressure will increase or decrease in increments of 1 PSI or o.1 Bar; Press and hold the up arrow or down arrow, the pressure will continually increase or decrease.

4) Maximum pressure is 100 PSI (6.9 BAR).

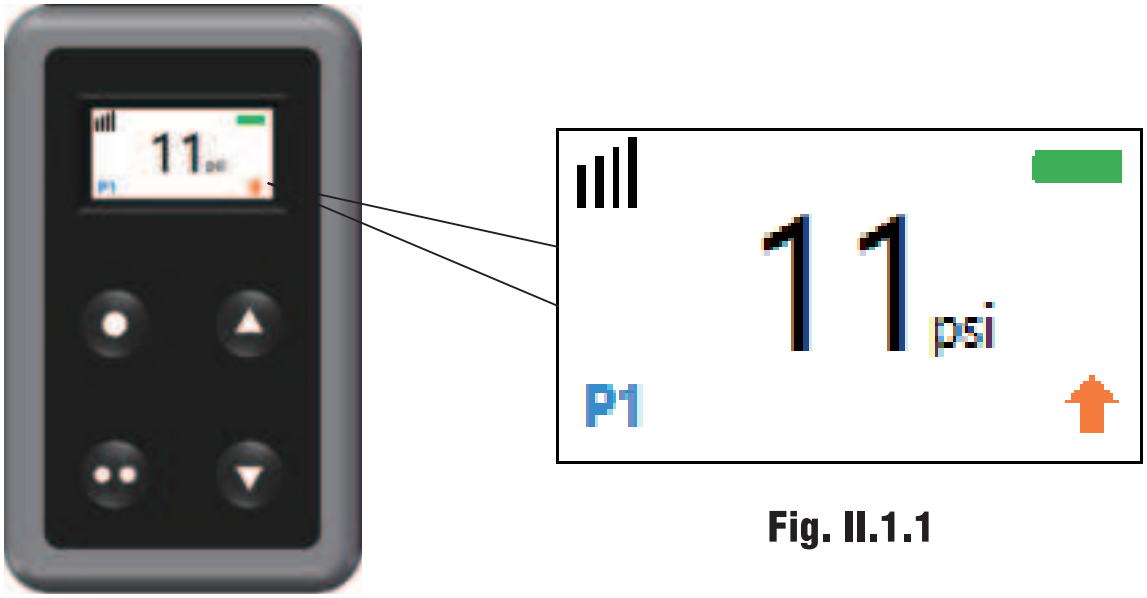

Fig. II.1.1

2. Main Display Interface

1) Bluetooth Signal Display

The Bluetooth signal is displayed on the upper left corner when Bluetooth is connected, and will not be displayed if not connected.

The signal strength is displayed in four levels- 4 signal bars (strong), 3 bars (medium strong), 2 bars (medium weak), and 1 bar (weak).

2) Battery Power Level Display

The battery's power level is displayed on the upper right corner. The battery should be replaced once the battery icon turns red.

3) Preset Value Display

The preset value is displayed on the lower left corner. Corresponding preset value is displayed after selected.

Three preset values are displayed as P1, P2 and P3.

4) Device Status Display

The device status is displayed on the lower right corner. Corresponding icon is displayed when the device is under different status.

There are three status- inflation (up orange arrow), deflation (down green arrow), and error (red exclamation mark).

5) Pressure Value and Unit Display

The pressure value's unit is displayed at the lower right corner of the pressure value. The unit can be selected on the menu interface.

PSI：5~100

BAR：0.3~6.9

3. Device Pairing

1) Put the device into pairing mode: unplug the fuse in the fuse box and reinstall the fuse 5 seconds later. After reinserting the fuse, the device will remain in pairing mode for 3 minutes.

2) Press the up arrow and the down arrow simultaneously, the menu interface will appear. Refer to Fig. II.3.1.

3) Choose “Device” and press the ○ button to enter device list interface. Press the up or down arrows to choose the device to be paired. Press the ○ button to confirm pairing. (The connected device will be marked by * in the end.)

4) Wait until the pairing process is completed. Once paired successfully, return to main interface for operation. If not paired, repeat it from step 1.

5) The wireless controller will automatically connect to the paired device the next time it wakes up.

6) To match a new device, enter the device list to manually choose it. Refer to Fig. II.3.2. To search a new device, choose “Scan” and press the ○ button. To pair the device “ASxxxx”, choose it and press the ○ button.

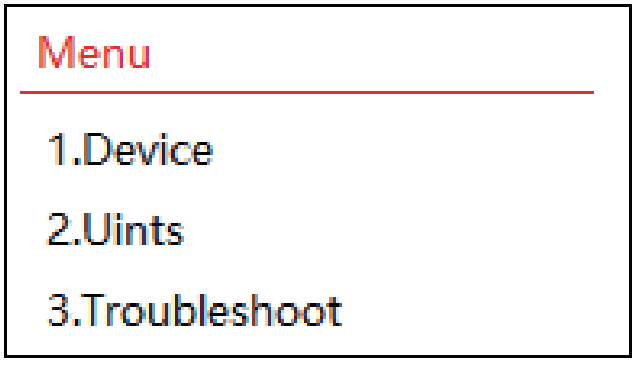

Fig. II.3.1

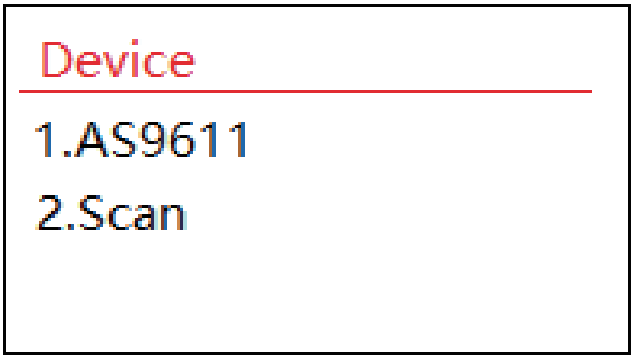

Fig. II.3.2

Note: The Controller has been paired to the device as a factory default setting.

4. Units

To enter Units Selection interface, choose “Units” in the menu. There are two options- PSI and BAR. The factory default is PSI. Refer to Fig. II.4.1.

5. Troubleshoot

Choose “Troubleshoot” from the menu to display TroubleShoot interface. Verify the error codes in Tab.1. Refer to Fig. II.5.1.

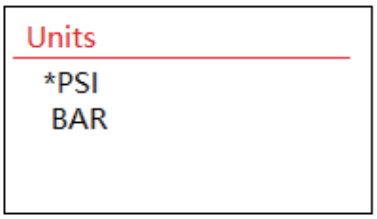

Fig. II.4.1

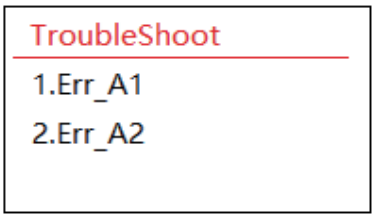

Fig. II.5.1

6. Preset

1) Press the up or down arrows to set the pressure to the desired level.
2) To set each preset
   P1: Press and hold the ○ button for 3 seconds.
   P2: Press and hold the ○○ button for 3 seconds.
   P3: Press and hold the ○ and the ○○ button simultaneously for 3 seconds.
3) After the desired pressure is set, shortly press the buttons corresponding to P1, P2 or P3 to realize preset. The controller will indicate which preset is currently selected in the lower left corner. The corresponding pressure will be executed.

7. Device Reset

1) Press the up arrow and the down arrow buttons simultaneously, the menu will appear.
2) Choose “Device Reset” and press the button to enter the reset confirmation interface. Refer to Fig. II.7.1. ○
3) Press the up or down arrow to choose “yes” or “no”, and press the to confirm. Choose “yes”, the device will be reset; or choose “no” to return to previ○s menu.
4) After the device is reset, previously stored information of Bluetooth device, Apps will be removed. To connect to a new device, repeat step 3. Device Pairing.

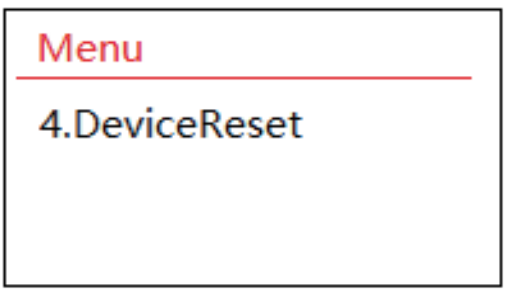

Fig. II.7.1

Note: The Device Reset can only be reset using a wireless controller.

III. App Instructions

1. Download App

For Android users, please scan the QR code to download App.

For ISO users, please search and download HIGH MANAGER in App Store

2. Operation

1) Press the up or down arrows to inflate or deflate in increments of 1 PSI (0.1 Bar). Refer to Fig. III.2.1

2) Press and hold the up or down arrows to inflate or deflate in increments of 10 PSI (1 Bar). Refer to Fig. III.2.1

3) Click on the air pressure number to manually enter a desired pressure. Then click on blank area to set pressure configuration. Refer to Fig. III.2.2.

4) Maximum pressure is 100 PSI (6.9BAR).

Fig. III.2.1

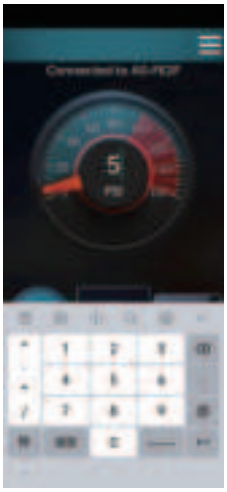

Fig. III.2.2

3. Main Display Interface

1) Target pressure and unit display

PSI: 5~100

BAR: 0.3~6.9

2) Dynamic pressure dial plate display

Change dial plate scale according to different units, display the pressure dynamically.

4. Device Pairing

1) Put the device into pairing mode: unplug the fuse in the fuse box and reinstall the fuse 5 seconds later. After reinserting the fuse, the device will remain in pairing mode for 3 minutes.

2) If the APP is pairing devices for the first time, opening the APP will directly enter the device list interface, and clicking the device to be paired will automatically connect and pair, as shown in Fig.III.4.1.

3) Check the current device pairing and connection status through the indicator above the dashboard on the main interface. When "Waiting for binding..." is displayed. "Indicates that the APP is being paired with the device, and the main interface cannot respond to pressure operation, as shown in Fig.III.4.2. When pairing is successful, a pop-up prompt will appear, and "Connected to AS-XXXX" will be displayed to indicate the name of the currently connected device, AS shown in Fig.III.4.3.

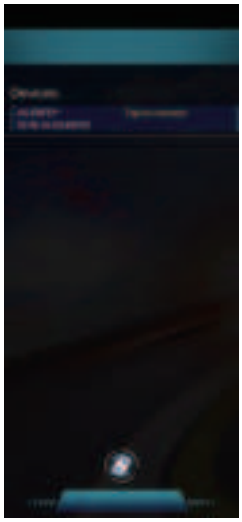

Fig. III.4.1

Fig. III.4.2

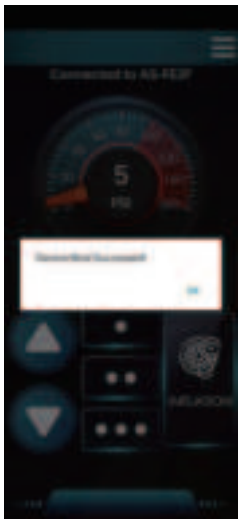

Fig. III.4.3

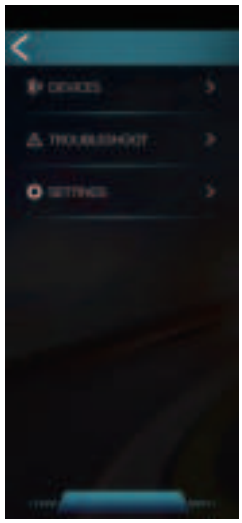

Fig. III.4.4

4) If you need to pair or connect other devices, you need to enter the option interface through the option button in the upper right corner of the APP main interface as shown in Fig.III.4.4, select the Devices option to enter the device list interface, and then click the device to connect or pair.

5) The next time you open the APP, it will automatically connect to the paired device.

6) If pairing fails, perform Step III.4.1) again.

5. Units

Enter option interface by clicking on the button at the upper right corner on the main interface, choose “SETTINGS” to enter unit selection interface. You can choose PSI or BAR. The default unit is PSI. (Fig. III.5.1)

6. Troubleshoot

1) Use the option button in the upper right corner of the APP main window to access the options screen, select the TROUBLESHOOT option to access the Troubleshooting screen, and troubleshoot according to the IV. Troubleshooting Guide. Click the CLEAR ERROR CODE button below to clear the error code information as shown in Fig.III.6.1.

2) When a new fault occurs, a fault prompt will be displayed at the bottom of the main interface. Click it to enter the TROUBLESHOOT interface directly, as shown in Fig.III.6.2

Note: Error codes can only be cleared by using the APP.

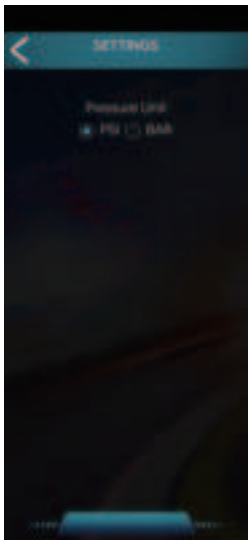

Fig. III.5.1

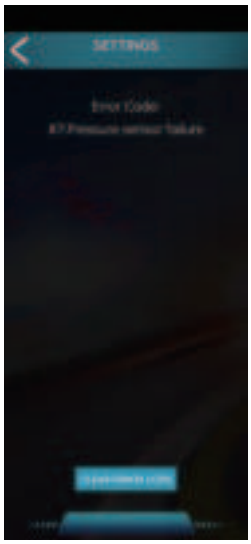

Fig. III.6.1

Fig. III.6.2

7. Presets

1) Set the pressure to the desired level.

2) To set each preset

P1: Press and hold the ◯ button for 2 seconds.

P2: Press and hold the ◯◯ button for 2 seconds.

P3: Press and hold the ◯◯◯ button for 2 seconds.

3) After the desired pressure is set, shortly press the buttons corresponding to P1, P2 or P3 to realize preset. The corresponding pressure will be executed.

8. Automatic Inflation Mode

1) Click the INFLATION icon in the App to enter the automatic inflation mode. Refer to Fig. III.8.1.

2) Click on the air pressure number on the right of Target to manually enter a desired pressure.

3) Click on the pressure threshold number on the right of Min to enter the desired minimum pressure threshold.

4) Click OK to initiate automatic inflation mode.

5) In this mode, the device will continually check the air pressure. When the actual pressure is less than the set minimum pressure, the device will start inflation to reach the set pressure.

6) When users return to the main interface or App is disconnected to the device, the automatic inflation mode will be cancelled.

Fig. III.8.1

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception,
which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

IV. Troubleshooting Guide

problem	error code	reson	solution
The system only maintains the preset when the ignition wire is connected or the wireless controller and APP are connected.			
The compressor does not run when inflate is ordered	1	The vehicle battery voltage is lower than 9 volts	Check the battery voltage
	2	The vehicle battery voltage is higher than 16 volts	Check the battery voltage
	3	The pressure reaches the upper limit	The pressure of the air bag exceeds 100psi and cannot be increased
	4	Compressor under-current	Check battery and ground connection, test on the workbench using 12 volts, use mobile app to clear error code
	7	Pressure sensor fault	Check the pressure sensor plug and harness connection
	8	Compressor over-current	Test on the workbench using 12 volts, use mobile app to clear error code
The vent valve does not operate when the command is deflated	1	The vehicle battery voltage is lower than 9 volts.	Check the battery voltage
	2	The vehicle battery voltage is higher than 16 volts.	Check the battery voltage
The preset is not maintained when the vehicle starts	-	If the ignition wire is not connected, only keeping preset when connect the APP and wireless controller.	Connection optional ignition wire,use the APP and wireless controller to connect to the device to wake up the system for quick adjustments.
Using wireless controller adjustment, the device did not respond	-	The wireless controller can send the adjustment command only when the device is successfully connected. If the connection is successful, you can see the signal strength icon in the upper left corner of the screen.	Wait until the Bluetooth connection is complete, and then execute the adjustment command

problem	error code	reson	solution
Unable to connect to device using APP or wireless controller	-	Wireless controllers or apps that are not paired with devices	Need to be paired with devices, wireles s controllers refer to II. 3. Device Pairing, APP refer to III. 4. Device Pairing
	-	The Device has been reset; the wireless controller or APP cannot be automatically connected to the Device; and manual device connection fails	Need to Re-pair the device. Wireless controllers refer to II. 3. Device Pairing; APP refer to III. 4. Device Pairing for pairing
	-	The wireless controller battery is low.	Check the wireless controller battery icon, and replace the battery if necessary, refer to II.1.1)
	-	Weak Bluetooth signal	Make sure the device is mounted in front of the rear axle and move the device to a position without metal shielding
	-	30A fuse is bloiiwn	Check the 30A fuse and use APP or wireless controller device menu to check whether Bluetooth can be found
The system cannot be maintained to the required height	5	Large leak in the system	Test manifolds, airbags, and connections for leakage
	-	The vehicle may overload	The air pressure in the system to a maximum pressure of 100PSI (6.9BAR) and the system will stop inflate.
The system often runs the compressor without an adjustment command	6	Small air leak in the system	Detection manifold, air bag, connection end for leakage.

SCAN THE QR CODE TO VIEW THE INSTALLATION VIDEO