Portable Smart Air Pump

SuperBars

User Manual

Thank you for choosing our product. Please read this user manual carefully before using the product to ensure proper and safe operation. We recommend keeping this manual in a safe place for future reference.

Precautions

This product is designed for inflating tires on automobiles (excluding trucks over 5 tons and engineering vehicles), motorcycles, electric motorcycles, bicycles, and balls.

Safety Warnings:

This product is not a toy and should not be accessible to children. Maintain a safe distance between children and the air pump during operation.

The product features a non-removable lithium battery. Do not dispose of it carelessly. The battery may catch fire, burn spontaneously, or explode if exposed to overheating, impacts, or water ingress. Avoid leaving it in direct sunlight or high-temperature environments, such as inside vehicles.

Battery and Usage Guidelines:

Charge the product immediately when the battery indicator's last bar starts flashing. Prolonged disuse may damage the battery. It is recommended to recharge the product at least every 3 months.

Before inflating any tires, refer to the manufacturer's recommended tire pressure (usually indicated on the tire itself).

For bicycles, carefully read the user manual and follow the manufacturer's instructions regarding tire inflation.

Ensure the correct measurement unit is selected before setting the pressure value to avoid incidents like tire blowouts.

Always monitor the inflation process to prevent over-inflation, especially if the pressure is not pre-defined.

Use the product only in dry, clean environments. Avoid exposure to mud, dust, or water, as this may damage the product. The product is not waterproof and should not be washed with water.

If the air pump malfunctions, try restarting it. If the issue persists, contact us for assistance.

For prolonged use, allow the product to cool for 5 to 10 minutes every 20 minutes.

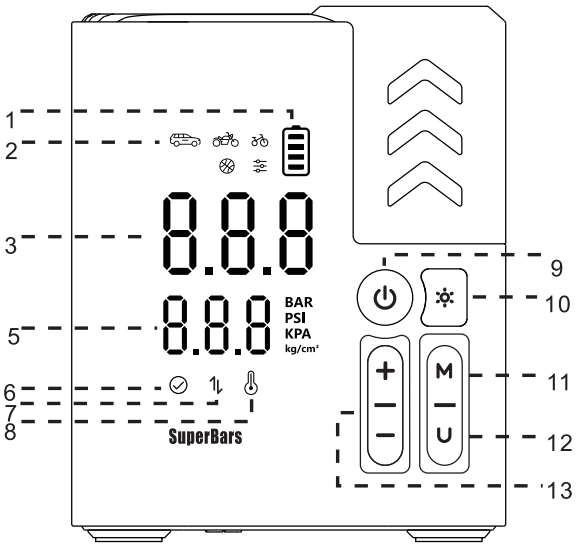
Do not recharge immediately after use. Allow it to cool naturally for 20 to 30 minutes to ensure optimal recharge efficiency.

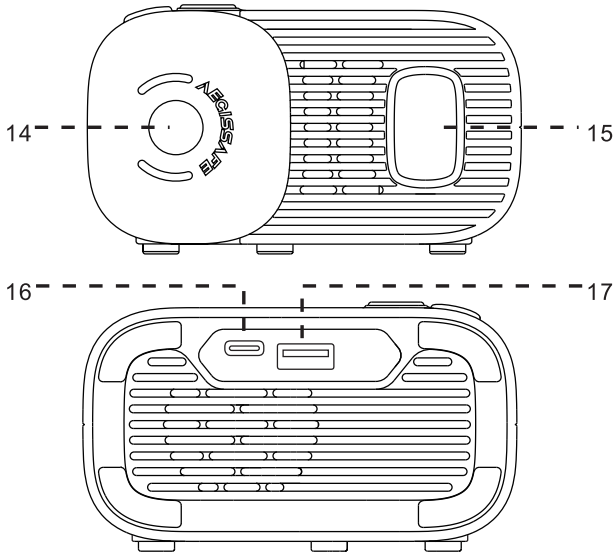
When the air pump stops, the air hose and nozzle may be hot from prolonged operation. Handle them carefully to avoid burns when disconnecting.

Portable Smart Air Pump

Product Information

Product name	Portable Smart Air Pump
Product model	AegisSafe F1
Product dimension	110.6*131.6*59.6mm
Product net weight	808g
Inflation pressure	2-160PSI
Working temperature	14°F ~ 122°F
Battery power	38.48wh/14.8V
Type-C input power	45W
USB output power	25W



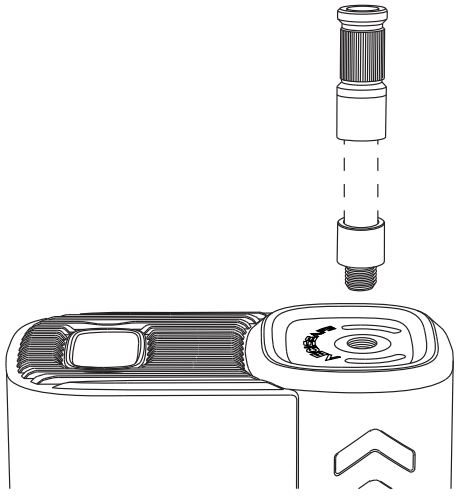


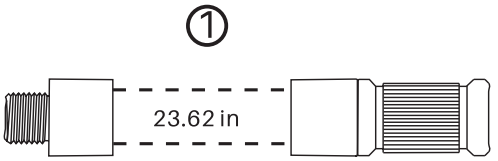
1 Battery indicator
2 Mode
3 Actual pressure
4 Unit display
5 Preset pressure
6 Complete the task
7 Bluetooth connection
8 High emperature arning
9 Power switch / Start switch / Stop switch
10 LED light switch
11 Mode selection
12 Unit switch
13 Preset pressure + / Preset pressure –
14 Air outlet
15 LED light
16 Type-C Input
17 USB output interface

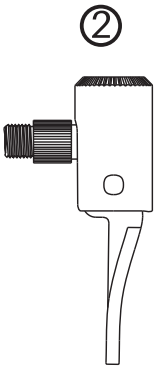
Packing List

1	Portable Smart Air Pump	*1
2	Schrader Valve Air Hose	*1
3	Quick Air Nozzle	*1
4	Presta Valve Connector	*1
5	General Connector	*1
6	Ball Needle Connector	*1
7	Car Charger-Smart&Quick Charging	*1
8	Type-C charging cable	*1
9	Storage bag	*1
10	User manual	*1

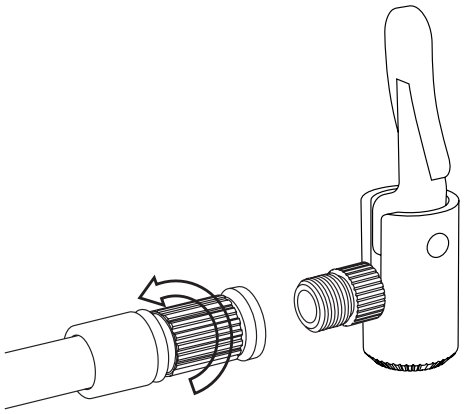
1.Comes with a Schrader Valve Air Hose and a Quick Air Nozzle





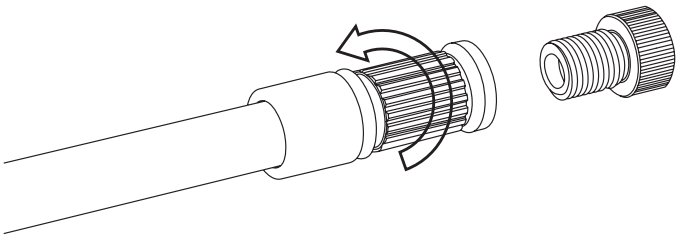


When you need to inflate your tires, you have two options to choose from:
• You can use the Schrader valve air hose to directly thread and rotate it onto the tire valve.
• Alternatively, you can install a Quick Air Nozzle onto the air hose, attach it to the tire valve, and press it to inflate the tire. This option makes future inflations more convenient.



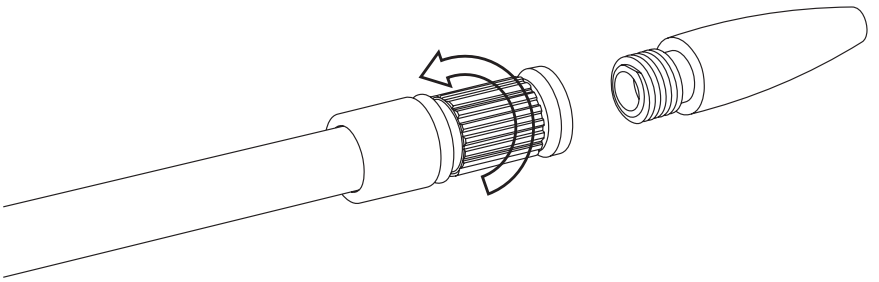
2.Equipped with a Presta Valve Connector

When your tire valve is a Presta valve, you can screw presta valve connector into the schrader valve air hose and then inflate the tire.



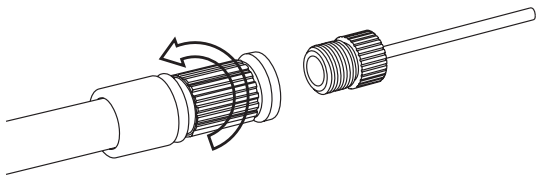
3.Equipped with a Universal Connector

When inflating items like a swimming ring or a car portable inflatable bed, simply screw the universal connector onto the Schrader valve air hose to easily inflate these items.



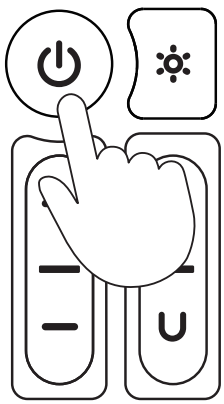
4.Equipped with a Ball Needle Connector

To inflate balls such as basketballs, soccer balls, or other types of balls, simply screw the needle connector into the Schrader valve air hose and proceed with inflation.



User Guide

1.Power On and Off



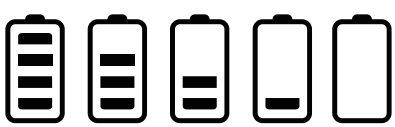
Power On/Off:

Power On: Long press the power button for 3 seconds to turn the device on.
Power Off: Long press the power button for 3 seconds to turn the device off.

Start/Stop:

Start: When the device is powered on, tap the power button briefly to begin operation.
Stop: While the air pump is running, tap the power button briefly to stop it. The air pump will also stop automatically when the actual tire pressure reaches the preset value.

2.Battery Indicator

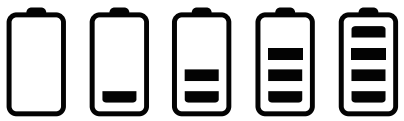


When only one box is flashing, the battery level is less than 5% and the power protection mode will be activated. The air pump cannot continue to run and the display will show "Lo". Please charge the pump immediately.

When the air pump is charging other electronic devices, the battery indicator will flash.

*Note: When the battery level is **below 5%**, the device needs to be charged before use.*

3.Charging

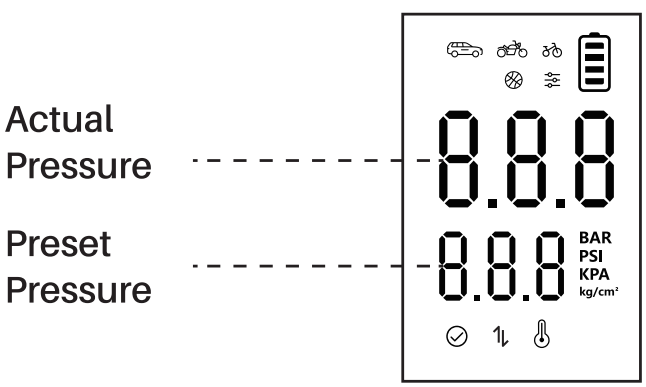


Charging Status Indicator Display:

- During Charging: The indicator bar will flash.
- Fully Charged: The indicator bar will remain steadily lit.

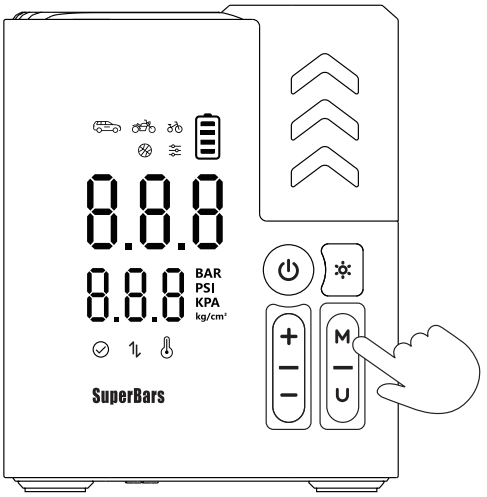
Note: Avoid using the air pump while it is charging.

4.Check the air pressure



When the air pump is powered on and the air hose is connected to the inflation object, the figure displayed at the top of the air pump's screen indicates the measured pressure value.

5.Mode Selection



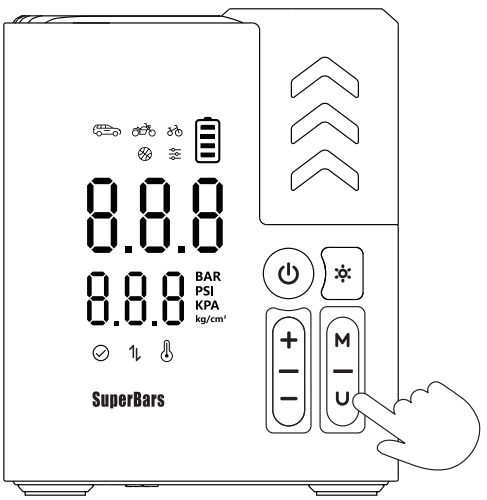
The air pump can support five inflation scene mode:

1. Car Mode
2. Motorcycle Mode
3. Bicycle Mode
4. Ball Mode
5. Custom Mode.

When the air pump is powered on, short press the “M (Mode)” button to switch between different modes.

Custom Mode: You can preset the air pressure value according to your needs. The device will save your preset value for future use.

6.Unit switch



The air pump supports four air pressure units:

1.BAR 2.PSI 3.KPA 4.Kg/cm^2

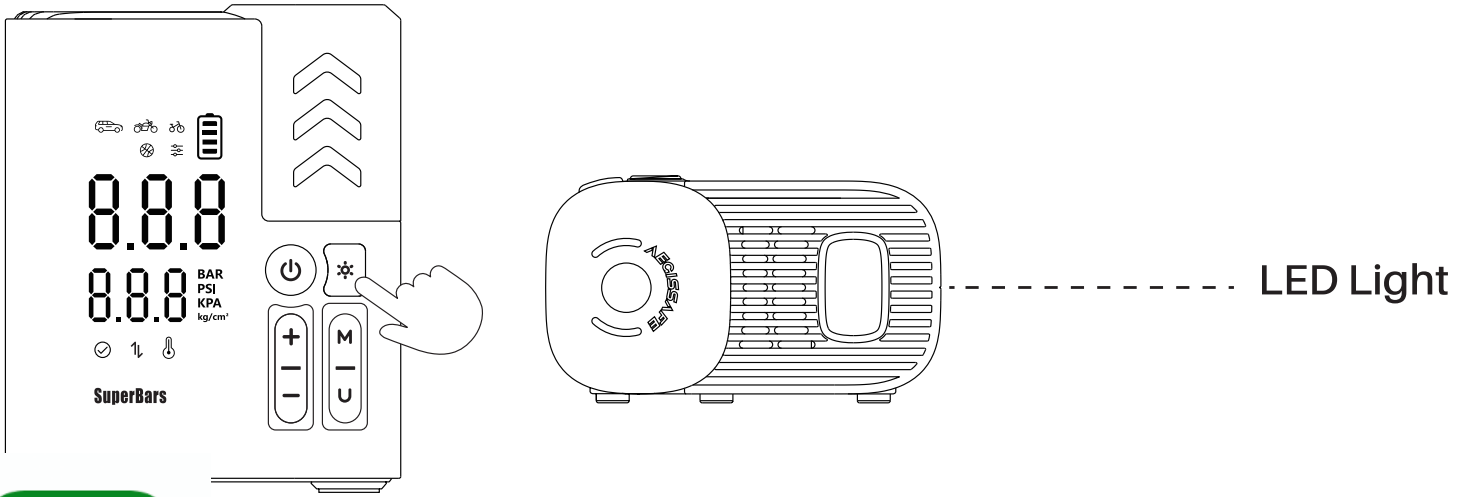
When the air pump is powered on, short press the "U (Unit)" key to switch between different pressure units. The unit conversion formulas are as follows:

1BAR = 14.5PSI = 100KPA = 1.02Kg/cm²
1PSI = 6.89KPA ≈ 0.07Kg/cm²≈ 0.07BAR
1KPA = 0.01BAR = 0.145PSI ≈ 0.01Kg/cm²
1Kg/cm²= 0.98BAR = 14.22PSI ≈ 98.07KPA

Scene Mode	Reference Default Values	Adjustable Range
Car mode	36.0 PSI	2.0-65.0 PSI
Motorcycle mode	39.0 PSI	2.0-55.0 PSI
Bicycle mode	38.0 PSI	2.0-160.0 PSI
Ball mode	8.0 PSI	2.0-15.0 PSI
Custom Mode	100.0 PSI	2.0-160.0 PSI

Applications	BAR	PSI	KPA	KG/CM^2
Car mode	0. 15-4. 5	2.0-65.0	14-448	0. 15-4. 55
Motorcycle mode	0. 15-3. 8	2.0-55.0	14-379	0. 15-3. 85
Bicycle mode	0. 15-11. 0	2.0-160.0	14-999	0. 15-11. 20
Ball mode	0. 15-1. 05	2.0-15.0	14-103	0. 15-1. 05

7.LED Light



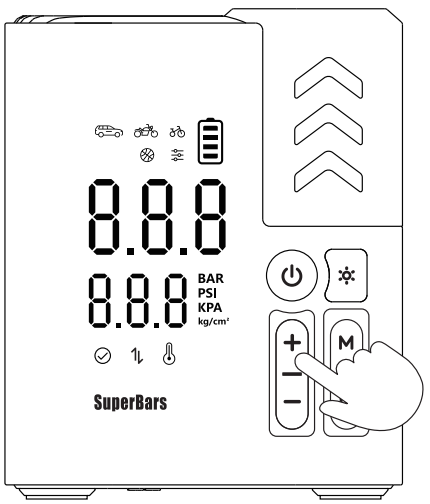
The air pump LED light supports three modes:

1. Constant light 2. SOS 3. Strobe

Short press the " ☼ "button to turn on the LED light, short press to switch modes, short press again to turn off.

* In the off state, press and hold for 3 seconds to turn on the light

8.Preset Pressure



Short Press: Slowly increase / decrease

Long Press: Rapid increase / decrease

BAR:

Short press±0. 05BAR, Long Press to quickly±0. 05BAR

PSI:

When below 100PSI, long press to quickly adjust ±0.5PSI
When above 100PSI, long press to quickly adjust ±1PSI

KPA:

Short press±1KPA,
Long Press :
When below 500KPA, long press to quickly adjust ±1KPA
When above 500KPA, long press to quickly adjust ±5KPA

kg/cm² :

When below 10kg/cm² ,long press to quickly adjust ±0.05kg/cm²
When above 10kg/cm² ,long press to quickly adjust ±0.1kg/cm²

9. Pressure reset

If the pressure value is not 0.0 before measuring, press the "+" and "-" keys simultaneously for 2 seconds. The display will reset to normal after the full light indicator appears.

Note:

This product will be reset after leaving the factory. Due to differences in altitude or sensor accuracy, manual calibration can improve pressure accuracy if the measured value is not 0.0.

Calibration is not recommended at high temperatures.

10. Malfunction clearing

Malfunction	Troubleshooting
Slow Inflation	1.Ensure the device has sufficient power. 2.Check the air hose for any leaks. 3.Verify that both ends of the air hose are securely tightened. 4.Inspect the item being inflated for any leaks.
It has been turned on but cannot inflate	1.Ensure the device has sufficient power. 2.Confirm that the current tire pressure is not higher than the preset value.
The preset pressure cannot be turned up or down	Select Custom Mode to adjust the preset values within the range of 2–160 PSI.
Inflation is normal but the pressure is shown to be 0	1.Low-pressure products, such as balloons, are outside the measurable range of this equipment. 2.For flat or empty tires, the tire pressure value can only be displayed after briefly inflating the tire.
After twisting the air nozzle, the tire pump has automatically shut down	3-minute auto shutdown. Restart with a long press on the start button.
There is air leakage when connecting the air hose	Tighten the Air Hose
The power indicator is off after charging	Replace with a safety-compliant charging cable and adapter, then charge again.

11.Fault Codes

Fault Codes	Interpretation
Lo	If the voltage drops below 5% while the air pump is running, the device will shut off and display "Lo".Recharge promptly to restore normal operation.
Io	When the air pressure of the inflatable object is 0, the air pressure still does not increase after the air pump runs for 90 seconds, the screen displays "Io" and flashes 3 times before shutting down.
So	When the air pressure sensor is abnormal, "So" will flash on the screen and will automatically stop running after 90s. You can manually turn off the air pump in advance.
Eo	When the motor is blocked, the screen displays "Eo"and stops running.
Ho+	When the air pump is running, if the battery temperature is higher than 140°F, the air pump will stop running for protection and display "Ho+ " (* Stop and cool for 10 minutes, when the temperature drops to 122°F , start it manually)
So+	When the air pump is running, if the sensor cannot identify the temperature, the air pump will automatically stop working after running for 3 minutes and the screen will display "So+ "

12.Inflation Pressure Reference

To ensure safety, please consult the instruction manual for the required air pressure of inflatable items before inflating to prevent personal injury due to overinflation.

Car Tires:

The air pressure range for car tires is marked on the tire sidewall. The recommended inflation pressure is based on the vehicle's load weight. For detailed pressure recommendations, refer to the vehicle's owner's manual.

Motorcycle/Bicycle Tires:

The air pressure range for motorcycle and bicycle tires is marked on the tire sidewall. The recommended inflation pressure is based on the load weight. For detailed pressure recommendations, refer to the vehicle's owner's manual.

Balls:

The inflation pressure for footballs, basketballs, volleyballs, and other balls is marked near the inflation hole. The recommended inflation pressure is based on the load weight. For detailed pressure recommendations, refer to the ball's instruction manual.

13. Smart APP

A free app is available for customer support, installation guidance, and assistance with using the air pump. Please scan the QR code or search for "Signal Monitor" on the App Store or Google Play to download it.



Download and Register Your ID
The air pump features a built-in Bluetooth module. To connect and bind the device, simply turn on Bluetooth on your phone and search for nearby air pump devices within the app.

App-Assisted Installation Flow Chart

1.Download the App:

Scan the QR code or search for "Signal Monitor" on the App Store or Google Play to download the app.

2.Register Your ID:

Complete the registration process within the app.

3.Turn on the Air Pump:

Ensure the air pump is powered on.

4.Connect via Bluetooth:

Enable Bluetooth on your mobile phone and keep it within 5 meters of the air pump. Open the app, navigate to My Device > Add Device > Scan Device, and select the air pump. Once connected, the device will be successfully added.

5.Smart APP

You can control the air pump through the APP, create your own convenient mode, modify the memory mode you need, you can consult the usage tutorial and find your dedicated customer service.You can view the real-time information of the air pump on the device homepage.
(include battery level, connection status, current mode/air pressure value/unit, preset air pressure value)

Note: If the app remains idle for more than 3 minutes after connecting to the air pump via Bluetooth, the connection will be automatically disconnected. To reconnect, open the app and manually click to connect Bluetooth.

6.APP control function

You can set up your pump through the app.
＞Go to the device homepage.
＞Select the mode (Car/Motorcycle/Bicycle/Ball);
＞Select the unit (BAR / PSI / KPA / kg/cm²);
＞Adjust the " + " or " - " buttons to set the desired target pressure value.
＞Press and hold the "Start" button to activate the device.
＞The real-time tire pressure will be displayed on your phone. When the tire reaches the target pressure, the device will automatically stop inflating.

7.Customize convenient function

You can set your frequently used modes, units, and values as a memo mode. The next time you use the app, simply click on the custom mode you created, and the air pump will complete the inflating according to the custom pattern you created. This eliminates the need for adjustments each time.
＞Navigate to the device homepage,click "quick inflation" to enter Custom Mode.
＞Click "Add " to create a custom mode.
＞Name your custom mode.
＞Click "Add " to add a custom; Name your custom mode.
＞Select the desired unit (BAR / PSI / KPA / kg/cm²).
＞Click and slide to select the desired target pressure.
＞Confirm the parameters are correct and tap "Add".
＞You can edit/delete an already added custom convenience mode by swiping left.

FCC Warning Statement

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

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.

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



Email: superbars_service@outlook.com

Service Hotline:(469)871-2546