

# Fanttik

**S100 APEX** AIR INFLATOR

## User Manual



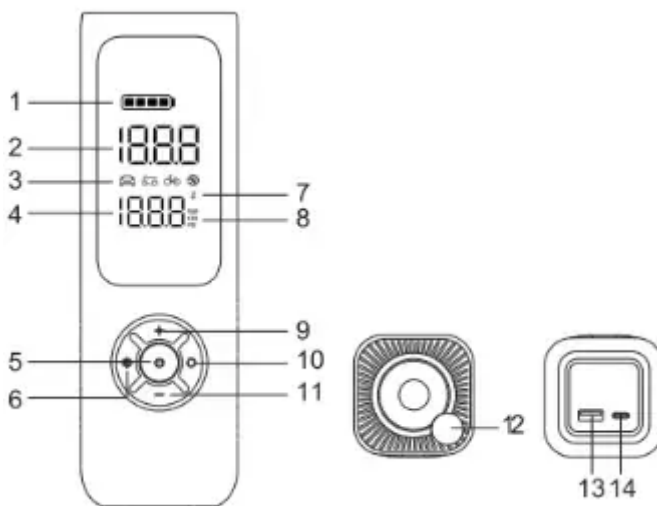
Please read this instruction manual carefully before use and keep it for future reference.

## Introduction

Thank you for choosing Fanttik.

Thank you for purchasing the Fanttik S100 APEX Air Inflator. With its large LED screen and easy-to-use interface, this is a highly capable inflator fit for a wide range of tasks.

## Product Overview



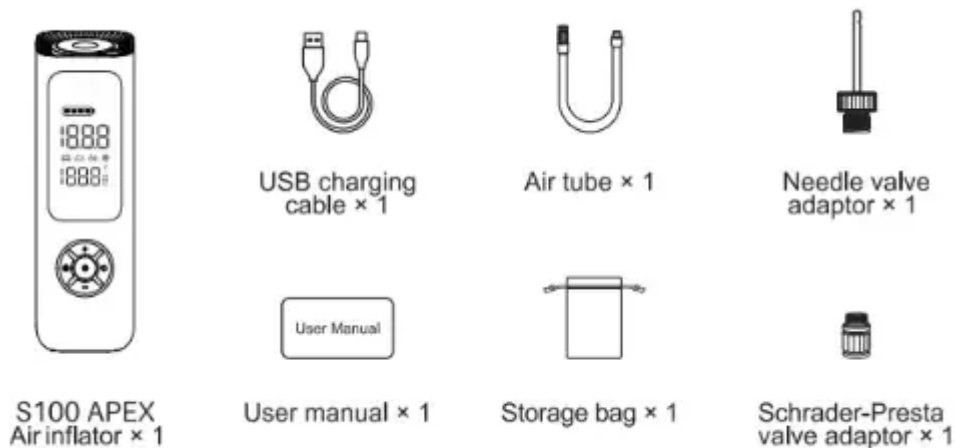
1. Battery indicator
2. Realtime pressure value
3. Preset mode

4. Target pressure value
5. Power button
6. Light button
7. Over temperature protection
8. Pressure unit
9. "+" button
10. Mode button
11. "-" button
12. Air outlet
13. USB-A port
14. USB-C port

## Note

It is normal for the product to stop working when the over temperature protection icon is on. It can continue to be used once the temperature drops and the icon disappears.

## Package Contents



## Battery Level Indicator & Charging

### Battery Level Indicator

The battery level is shown by four bars, with each bar representing 25%.



1 bar = under 25%

2 bars = between 25% and 50%

3 bars = between 50% and 75%

4 bars = between 75% and 100%

Note: The battery indicator will flash when the battery level is below 20%.

## Charging

Fully charge the inflator before using it for the first time. To charge, connect it to a certified 5.0V / 3A USB charger with the charging cable.

While charging:



1 bar flashing = under 25%

1 bar solid, 2nd bar flashing = between 25% and 50%

2 bars solid, 3rd bar flashing = between 50% and 75%

3 bars solid, 4th bar flashing = between 75% and 100%

All 4 bars solid = fully charged

The inflator will automatically switch off if left inactive for 5 minutes after being fully charged.

### Note:

- The inflator cannot be used while it is charging.
- The USB charger is sold separately. Make sure to use a certified charger.

## Turning the Inflator On/Off



## Turn On

Long press the power button for 1.5 seconds to turn on.

## Turn Off

When the inflator is turned on, long press the power button for 1.5 seconds to turn off.

When the inflator is turned on, long press 1.5 seconds to turn off.

The inflator will automatically turn off in the cases below:

1. After 3 minutes of inactivity.
2. When the charging cable is disconnected during charging.
3. After 5 minutes of inactivity after being fully charged.
4. When the inflator is being used as a power bank, after disconnecting the other device.
5. Inflate over 5 minutes when the target pressure value is below 5psi.
6. Inflate over 3 minutes when the target pressure value is above or equates 120psi.

## Connecting the Air Tube and Nozzle



Valve Type



Inflation Adapter

### Connecting the Air Tube

Connect one end of the air tube (with screw thread) to the inflator before inflating.

### Schrader Valve

Tires on cars, motorcycles, e-bikes, and most mountain bikes use a Schrader valve.

To inflate: The inflator can be directly connected to a Schrader valve to start inflating.

To deflate: Use an proper tool (such as 4mm Allen wrench) to press the pin inside the air valve to release air.

## Presta Valve Adapter

Road bicycles and certain mountain bikes use a Presta valve which requires the included presta valve adapter to be used.



Valve Type



Inflation Adapter

To inflate:

1. Connect the Presta valve adapter to the Schrader valve of the air tube.
2. Unscrew the ring of the Presta valve of the tire.
3. Connect the Presta valve adapter to the tire's Presta valve to start inflating.

To deflate:

Unscrew the ring of the tire's Presta valve, and press the valve stem down to release air.

## Needle Valve Adapter

To inflate balls like basketballs and footballs, the included needle valve adapter will need to be used.



Valve Type



Inflation Adapter

To inflate: Screw the needle valve adapter onto the Schrader valve adapter, then insert the needle into the valve of the ball to start inflating.

To deflate:

Insert the needle valve adapter into the valve of the ball, and gently apply pressure to the ball to release air.

## Detecting the Current Pressure

When the inflator is turned on, connect the air tube to the device to be inflated, and then the LED screen will display the current pressure value.

## Determining the Right Pressure Value

To avoid injuries from bursting items due to over-inflation, make sure you are aware of the maximum inflation pressure before you start.



### Tires

The recommended air pressure of tires for cars, bicycles, and motorcycles is indicated on the tire's sidewall. The recommended tire pressure for cars is also indicated on the inside of the driver's side door.

For details concerning load carrying capacity and recommended air pressures, refer to your vehicle's instructions or manual.

### Balls

The recommended air pressure for footballs, basketballs, volleyballs, and other balls is indicated near the ball's air valve.

### Air Pressure Reference Table

Category	Type	Recommended Pressure Range
<b>Bicycles</b>	Electric Folding Bike tires	10 – 50 psi
	12-, 14-, & 16-inch bicycle tires	30 – 50 psi
	20-, 22-, & 24-inch bicycle tires	40 – 50 psi
	26-, 27.5-, & 29-inch mountain bike tires	45 – 65 psi
	Electric Scooter tires	40 – 50 psi
	700c road bike clincher tires	100 – 130 psi
	700c road bike tubular tires	100 – 145 psi
<b>Motorcycles</b>	Scooter & street motorcycle tires	26 – 43 psi
<b>Cars</b>	Car tires	26 – 50 psi
<b>Balls</b>	Basketball	7 – 9 psi
	Soccer ball	8 – 16 psi
	Volleyball	4 – 5 psi
	Football	12 – 14 psi

Note: Pressure range values are for reference only. Always refer to the instructions or manual of the item being inflated for actual inflation pressure specifications.

## Preset Pressure Value

### Switch Modes

Click the Mode button to switch between the five inflation modes below. Long press the Mode button to cycle through psi/bar/kPa. The number on the top of the screen indicates the real-time pressure of the inflated device, and the number on the bottom indicates the preset pressure.



Manual mode: When in the manual mode, no mode icon is selected on the screen. The preset pressure value is adjustable, and the value and unit will be saved.

Adjustable Range: 3-150psi / 0.2 - 10.3bar



Car Mode: Default 36psi

Adjustable Range: 26-50psi



Motorcycle Mode: Default 35psi

Adjustable Range: 26-43psi



Bicycle Mode: Default 45psi

Adjustable Range: 30-145psi



Ball Mode: Default 8psi

Adjustable Range: 4-16psi

### Note:

When you have finished inflating an item, the manual mode will remember the target pressure value as its default pressure value.

For the best inflating experience, we suggest you inflate items like balls via the ball mode.

### Adjusting the Preset Pressure



After selecting a mode, press + or - to increase or decrease the target pressure value.

Press and hold the + or - button to quickly adjust the pressure value.

## Light



Press the light button to turn the inflator's light on/off. The light makes it easy to see in the dark when you have any tasks, such as connecting the air compressor to a valve.

When the light is on, press the light button to cycle through Spotlight, SOS and OFF.

**Note:** After 30 minutes, the light will automatically turn off.

## Inflating

### Start Inflating



Press the Power button to start inflating. When inflating, the air compressor may be as loud as 75 - 80 dB. Please take appropriate precautions to protect your hearing. The air compressor and air tube can get very hot after running for a while. Avoid prolonged skin contact with the tube to prevent injuries.

## Stop Inflating



Once the target pressure value has been reached, the inflator will automatically stop inflating. The inflator can also be manually stopped at any time by pressing the power button while inflating.

## Caution

Items such as balloons, beach balls, and swim rings cannot be automatically inflated because they have an air pressure requirement below the air compressor's minimum pressure range. Only inflate these items manually with caution.

## Battery Information

The inflator's battery lasts about 40 minutes on a full charge, running without a load at an ambient temperature of 25°C. Using the air compressor under a heavy load or at lower ambient temperatures may reduce its battery life.

## Disconnecting the Air Tube

The air compressor's air hose may get very hot after inflating. To prevent injuries, exercise caution when disconnecting it from a valve. Some air may leak out of the valve when disconnecting the air compressor. To avoid pressure loss, quickly disconnect the air hose from the valve.

## Power Bank Function



This inflator can be used as a 5V/2A power bank when it is not being charged or inflating other devices.

The battery needs to have a reasonable level of charge in order to work as a power bank.

### Note:

The inflator should be turned on when being used as a power bank.

When being used as a power bank, the inflator will enter "Energy Saving" mode if inactive for 3 minutes, and the screen will only display the battery level icon.

In energy saving mode, when disconnecting the charged device from the inflator, it will automatically shut down.

## Troubleshooting

Problem	Solution
<b>Slow inflation speed</b>	<ol style="list-style-type: none"> <li>1. Check whether the air compressor's battery level is sufficient.</li> <li>2. Check whether the air hose is leaking.</li> <li>3. Check whether both ends of the air hose are securely connected.</li> <li>4. Check whether the item that is being inflated is leaking.</li> </ol>
<b>Air compressor turns on but does not inflate</b>	<ol style="list-style-type: none"> <li>1. Check whether the air compressor's battery level is sufficient.</li> <li>2. Check whether the pressure of the item being inflated exceeds the preset pressure.</li> </ol>
<b>Unable to increase or decrease the preset pressure</b>	<p>Make sure the air compressor is set to the correct mode. Manual mode has a blank display without any icons and allows you to adjust the preset value within the range of 3 - 150 psi.</p>
<b>The inflator inflates normally but the displayed pressure is zero</b>	<p>The pressure of low-pressure inflatables including balloons is too low to be measured.</p>
<b>Charging slowly</b>	<p>Check if you are using a compliant 5V/3A charger and original USB cable.</p>
<b>Air leakage after connecting the air tube</b>	<p>Make sure the air hose is securely connected.</p>
<b>The battery level indicator is different when inflating compared to standby state</b>	<p>The lithium battery's voltage level significantly drops when discharging power, causing the battery level indicator to have a different display when inflating compared to standby state. This is normal.</p>
<b>The battery level indicator doesn't show on the screen after charging</b>	<p>Use a certified adapter and the included charging cable, and try charging again.</p>
<b>The inflator cannot charge other devices.</b>	<ol style="list-style-type: none"> <li>1. Make sure the remaining battery level is sufficient.</li> <li>2. The discharging output is 5V/2A. Make sure this output meets the requirements of the charged device.</li> <li>3. The inflator can not charge other devices while inflating.</li> </ol>
<b>None of above. The inflator doesn't react with any input</b>	<p>Simultaneously press the light button and mode button to restart the inflator.</p>

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## Specifications

Name	Air Inflator
Model	S100 APEX
Executive Standard	QXMQJ0002-2019
Dimensions	200.5×63.5×63.5mm(Excluding air tube)
Inflation Pressure Range	3-150psi / 0.2-10.3bar
Operating Temperature	Charging: 0°C~45°C, Discharging: -10°C~45°C
Storage Temperature	-10°C~45°C
Air Valve Dimensions	Length 460mm
Battery Capacity	2600mAh(28.86 Wh)
Working Noise	Lower than 80dB within 1 meter
Input	5V/3A
Output	5V/2A
Input Port	USB Type-C
Output Port	USB-A
Charging Time	<4hours
Sensor Accuracy	±2psi

## Safety Instructions

- This product is not a toy and should not be used by children. Users should be above 16 years old.

- Keep a safe distance between children and the inflator while inflating. There is a built-in lithium battery inside the product. Don't place the product in fire or dump the battery.
- Overheating, damage, or water may increase the risk of fire or explosion. It's best to keep the product away from heat sources, and not leave it for prolonged periods in a hot car. If the inflator becomes very hot, there is a chance it could explode.
- Please store the product in temperature ranging from -10°C~45°C. Extremely hot or cold environments may damage the battery and shorten the lifetime of the inflator.
- Long-time storage of the product may decrease the effectiveness of the battery. Charge the inflator at least once every three months to maintain its performance.
- The product has a built-in DC motor which may generate sparks during operation. Do not use it in an environment with dust or gas that is liable to explode.
- If there is an unusual noise or the temperature becomes very high during inflating, please turn off the inflator immediately.
- Before setting the inflation pressure value, make sure the pressure unit is correctly selected. Mixing up psi and bar could lead to dangerous overinflation.
- Unit conversion: 1bar = 14.5psi, 1bar = 100kPa
- Do not leave the inflator unattended while it is in operation.
- Please use the product in a dry and clean environment. The intrusion of sand and dust may cause damage to the product. Don't wash the product with water.
- Please use a certified 5V/3A adapter and the included charging cable to charge this product. Malfunction caused by actions not in accordance with the above requirements is not covered by the warranty.
- After running for a long time, the temperature of the junction between the air tube and the main body can become very high. To avoid burns, avoid touching it.
- This inflator is equipped with short circuit protection. Do not connect its USB-A port with its USB-C port.

**Caution:** To reduce the risk of electric shock, do not expose to rain. Store indoor.

**"Never put batteries in mouth. If swallowed, contact your physician or local poison control center."**

### **Warning**

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

