

## Kaedear KDR-AP1

# Kaedear KDR-AP1 Rechargeable Mobile Air Compressor Instruction Manual

## 1. INTRODUCTION

Thank you for purchasing the Kaedear KDR-AP1 Rechargeable Mobile Air Compressor. This electric air pump is designed for convenient tire pressure adjustment at home or on the go, suitable for car tires, motorcycle tires, bicycle tires, and various inflatables. Its physical buttons allow for easy pressure adjustment even while wearing gloves. The device automatically inflates to your specified air pressure.

### Important Safety Information:

- When operating, the device generates approximately 85dB of sound. The sound may echo depending on the environment and can be perceived as noisy.
- This product compresses and discharges air, causing it to become hot during use. This is normal and does not indicate a malfunction. Avoid continuous operation for extended periods. Do not touch hot parts, such as the hose, directly.
- Improperly attached hoses or foreign objects inside the hose may cause malfunctions. If you experience a malfunction, defect, or unusual operation, press and hold the main unit's '+' and '-' buttons simultaneously for 5 seconds or more to perform a reset. This may resolve the issue.



Figure 1: Kaedear KDR-AP1 Mobile Air Compressor

# タイヤの空気圧低下が招く危険性

タイヤの変形や剥離

走行燃費の低下

ハンドリング性能の低下

だからこそ!いつでもどこでもできる  
モバイルコンプレッサーが  
必要!



## 安全かつ効果的に使用する為のガイドライン

ご使用の際、85デシベルのエンジン音のような音がします。周囲の環境にご配慮いただきご使用ください。

本製品は空気を圧縮し排出する構造上、発熱いたしますが使用上の問題はございません。使用後はホースも熱を持っているのでしばらく手に触れないようご注意ください。

ホースの接続をセンサーで感知している為、しっかり取り付けられているかご確認ください。誤作動や不具合が生じた場合は本体電源起動時に+/- ボタン同時に5秒以上長押しで本体リセットをお試しください。

Figure 2: Risks associated with low tire pressure, including tire deformation, reduced fuel efficiency, and decreased handling.

## 2. PACKAGE CONTENTS

Please ensure all the following items are included in your package:



Figure 3: All items included in the KDR-AP1 package.

1. Main Unit
2. Storage Bag
3. Air Hose (30cm, American Valve type)
4. Air Hose (15cm, American Valve type)
5. Charging Cable
6. Ball Needle
7. Floating Ring Nozzle
8. French Valve Adapter
9. English Valve Adapter

### 3. PRODUCT FEATURES

- **High Capacity Battery:** Dual 2000mAh/3.7V batteries for a total of 4000mAh/14.8wha, providing ample power for multiple inflations.
- **Powerful Output:** Delivers up to 150PSI at 20L/min, ensuring quick and efficient inflation.
- **Versatile Charging:** Supports 5V2A charging via Type-C port.
- **Multiple Pressure Units:** Easily switch between PSI, BAR, KPA, and Kg/cm2.
- **Compact and Portable:** Measuring 157mm (L) x 64mm (W) x 44mm (T) and weighing 420g, it's designed for easy portability.
- **Wide Temperature Range:** Operates effectively in temperatures from -10°C to 45°C.
- **Integrated LED Light:** Features a high-brightness LED light with multiple modes (steady, flash, SOS) for convenience in low-light conditions or emergencies.

## 作業者ファーストの 操作性を実現



ネジ式 片手で楽に充填

強く押し付けている必要がありません

※米式：車・バイクに限る

ボタン式

## 作業グローブのまま操作可能

タッチパネルの操作にはグローブの脱着が必要になりますが、カエディア製品は、作業中を想定し、グローブのままでもストレスフリーに操作できるボタン式を採用。

Figure 4: Ergonomic design allows for easy operation even while wearing gloves.

## 高輝度LEDライト

暗い夜の作業や緊急事態などに対応できるLEDライト付き



## 扱いやすい丸角形状

うっかりカウルに当ててしまっても傷になりにくい。アスファルトの様な荒い地面に置いた時もクラックを防止。

Figure 5: High-brightness LED light for night work or emergencies.

# 5つのバルブに対応！一台多役で空気圧まで自動調整

<b>米式バルブ</b> 	<b>バイク・車</b> 	<b>初期値</b> <b>35</b> PSI 200-250kpa(35PSI) 調整可能範囲 最大 448kpa(0-65PSI)
<b>英式バルブ</b> 	<b>自転車</b> 	<b>初期値</b> <b>38</b> PSI 2.0-9.0bar(38PSI) 調整可能範囲 最大 10.3bar(0-150PSI)
<b>仏式バルブ</b> 	<b>ロードバイク</b> 	<b>初期値</b> <b>8</b> PSI 0.7-0.9bar(8PSI) 調整可能範囲 最大 1bar(0-15PSI)
<b>ボールニードル</b> 	<b>ボール</b> 	<b>初期値</b> <b>8</b> PSI 0.7-0.9bar(8PSI) 調整可能範囲 最大 1bar(0-15PSI)
<b>浮き輪ノズル</b> 	<b>浮き輪</b> 	<b>初期値</b> <b>8</b> PSI 0.7-0.9bar(8PSI) 調整可能範囲 最大 1bar(0-15PSI)

Figure 6: Supports 5 valve types and automatically adjusts air pressure for various items.

## 4. SETUP

### 4.1 Charging the Device

Connect the provided Type-C charging cable to the device's Type-C port and a 5V2A USB power adapter (not included). The battery indicator will flash during charging and remain lit when fully charged.

### 4.2 Connecting the Air Hose and Adapters

Screw the air hose clockwise into the air hose connection port on the top of the main unit until secure. To remove, turn counter-clockwise.



Figure 7: Connect the air hose by turning clockwise to tighten, counter-clockwise to loosen. Select the appropriate adapter (French valve, English valve, ball needle, floating ring nozzle) for your item and screw it onto the end of the air hose.

# 充電式電動 モバイルコンプレッサー



グローブのまま使用できる  
**ボタン式**



自宅からツーリング先どこでも使える  
空気圧チェックのモバイルコンプレッサー



01

空気圧  
自動停止

02

幅広い  
使用用途


03

快適な  
操作性

Figure 8: Various adapters for different inflation needs.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

Press and hold the power button  for 3 seconds to turn the device on or off.

### 5.2 Unit Selection

Press the 'U' button to cycle through the available air pressure units: PSI, BAR, KPA, and Kg/cm2.

### 5.3 Mode Selection

Press the mode button (four squares icon) to select a preset inflation mode: Car, Motorcycle, Bicycle, Ball, or Custom. Each mode has a default pressure setting.

## 5.4 Setting Target Pressure

Use the '+' and '-' buttons to adjust the desired target air pressure. Long-press the buttons for faster adjustment.

## 5.5 Starting and Stopping Inflation

Once the air hose is connected to the item and the target pressure is set, press the power button to begin inflation. The compressor will automatically stop once the target pressure is reached.

## 5.6 LED Light Operation

Press the light button (sun icon) to cycle through three LED light patterns: steady illumination, flashing, and SOS strobe.

## 6. MAINTENANCE

- Keep the device clean and dry. Wipe with a soft, damp cloth.
- Store the air compressor in a cool, dry place, away from direct sunlight and extreme temperatures.
- Regularly check the air hose and adapters for any signs of wear, damage, or foreign objects. Replace if necessary.

## 7. TROUBLESHOOTING

- **Device not turning on:** Ensure the battery is sufficiently charged. Connect to a power source and charge for 2-3 hours.
- **Inaccurate pressure reading or malfunction:** Check that the air hose is securely connected and free from any foreign objects. If the issue persists, perform a device reset by pressing and holding the '+' and '-' buttons simultaneously for 5 seconds or more.
- **Device becomes hot during operation:** This is a normal occurrence due to the air compression process. Avoid prolonged continuous use (limit to within 10 minutes) and do not touch hot parts directly.

## 8. SPECIFICATIONS

Attribute	Value
Brand	Kaedear
Model Number	KDR-AP1
Battery Capacity	Dual 2000mAh/3.7V (Total 4000mAh/14.8wha)
Output	150PSI (20L/min)
Charging Input	5V2A / Type-C
Air Pressure Units	PSI, BAR, KPA, Kg/cm2
Max Air Pressure	999KPA
Size (L x W x T)	157mm x 64mm x 44mm
Weight	420g
Operating Temperature	-10°C to 45°C
Continuous Operation Time	Within 10 minutes

Material	Metal
Included Components	Ball needle, French valve, floating ring nozzle, American valve, English valve

## 9. WARRANTY AND SUPPORT

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**Manufacturer Warranty Period:** 1 year from the date of purchase.

For business use, the warranty period is halved (e.g., 6 months for a 1-year warranty). Please refer to the manufacturer's official website for detailed warranty regulations.

For product inquiries or installation consultations, please feel free to contact Kaedear support staff. Our staff hold national maintenance qualifications and can provide accurate and professional advice.

In the unlikely event of a product defect, repairs or exchanges will be provided free of charge under our manufacturer's warranty policy.

### Online Instruction Manual:

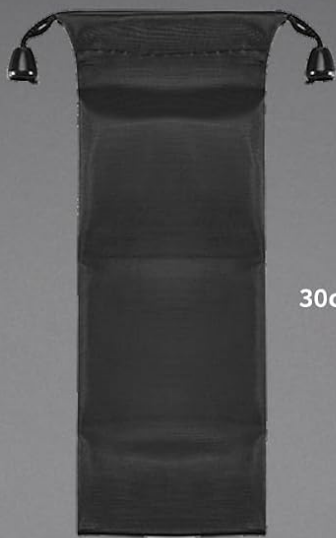
In an effort to reduce environmental impact, the instruction manual is provided online. You can view or download it from the product page on the official Kaedear website.

# ACCESSORYS

製品セット内容



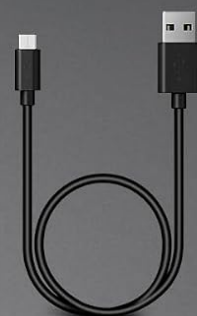
本機 / 収納袋



エアホース  
(米式)



充電ケーブル



仏式アダプタ

英式アダプタ

浮き輪ノズル

ボールニードル

## 製品仕様

タイプ名	KDR-AP1	充電入力電力	USB 5V2A / SV 1.5A
充電時間	2~3時間	使用温度	-10~45°C
バッテリー容量	14.8Wh	吐き出し空気量	20L/min
最高圧力	150PSI	サイズ	長さ157mm / 横幅64mm / 厚み44mm
重さ	420g	連続稼働可能時間	10分以内

※ 車やバイクの空気圧調整を主とした仕様となり、タイヤ交換後の空気の充填などには使用できません。  
※ 空気圧計は多少誤差が生じます。校正されたゲージを参考にして下さい。

Figure 9: Scan the QR code or visit the official website for the online manual.

Official Website: <https://www.kaedear.com/>