

FLYLINKTECH BD20

FLYLINKTECH BD20 Car Jump Starter with Air Compressor User Manual

INTRODUCTION

Thank you for choosing the FLYLINKTECH BD20 Car Jump Starter with Air Compressor. This versatile device is designed to provide reliable assistance for your vehicle, offering powerful jump-starting capabilities, a convenient tire inflator, a portable power bank, and an emergency LED light. Please read this manual thoroughly before use to ensure safe and optimal operation.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device and your vehicle:

- Read all instructions carefully before operating the device.
- Keep the device away from children.
- Do not short-circuit the jump starter terminals.
- Do not expose the device to extreme temperatures (above 60°C or below -20°C) or water.
- Ensure correct polarity when connecting to a vehicle battery (red clamp to positive, black clamp to negative). Incorrect connection can cause damage.
- If the vehicle does not start on the first attempt, wait at least 30 seconds before trying again.
- Disconnect the clamps from the vehicle battery immediately after the vehicle starts.
- When using the air compressor, do not overinflate tires or other objects. Monitor the pressure carefully.
- The intelligent safety clamps are designed with protection features, including reverse polarity protection and short-circuit protection, indicated by the display and audible warnings. Pay attention to these warnings.

WHAT'S IN THE BOX

Carefully unpack the box and ensure all items are present:

- 1 x FLYLINKTECH BD20 Car Jump Starter with Air Compressor
- 1 x Jumper Cable with Smart Clamps
- 1 x USB-C Cable
- 1 x DC Cigarette Lighter Adapter
- 1 x Air Hose
- 3 x Valve Adapters (for various inflatables)
- 1 x User Manual
- 1 x Portable EVA Carrying Case

WHAT'S IN THE BOX?



Image: Contents of the FLYLINKTECH BD20 box, showing the jump starter unit, jumper cables with clamps, USB-C cable, DC cigarette lighter adapter, air hose, three valve adapters, user manual, and a portable EVA carrying case.

PRODUCT OVERVIEW

The FLYLINKTECH BD20 combines multiple essential automotive tools into one compact device. Familiarize yourself with its key components and functions:



Image: The FLYLINKTECH BD20 Car Jump Starter with Air Compressor, displaying its main unit with a large digital screen and control buttons.

Key Features:

- **5000A Peak Current Jump Starter:** Capable of starting all gas engines and up to 10.0L diesel engines, even in extreme temperatures (-20°C to 60°C).

6000A

PEAK CURRENT JUMP STARTER



12 V | All GAS | 10L DIESEL

Image: The FLYLINKTECH BD20 jump starter with its smart clamps connected to a car battery, showing a digital display indicating 88.8V and 'READY' for jump-starting.

- **150PSI Powerful Tire Inflator:** Integrated air compressor with a detachable hose and preset function for automatic stopping once the desired pressure is reached. Real-time pressure display on the LCD screen.

150PSI

POWERFUL TIRE INFLATOR

With Preset function, when the air pressure reaches the set value, the air pump will automatically stop working



Image: The FLYLINKTECH BD20 unit with its air hose connected to a car tire, displaying '2.30 BAR' on its screen, indicating its function as a tire inflator.

- **20000mAh Versatile Power Bank:** Equipped with two USB output ports (including one Quick Charge 3.0) and a 12V-16V/10A DC output, compatible with various electronic devices like smartphones, tablets, and car accessories.

20000mAh

VERSATILE POWER BANK



Image: The FLYLINKTECH BD20 unit connected via USB cables to charge a smartphone and a tablet, demonstrating its power bank functionality with a '100% IN' display.

- **Emergency LED Light:** Built-in LED light with three modes: Torch, Strobe, and SOS, useful for roadside emergencies or outdoor activities.

EMERGENCY LED LIGHT



Image: The FLYLINKTECH BD20 unit with its powerful LED light activated, illustrating its use as an emergency light with text overlays 'SOS', 'STABLE', and 'STROBE'.

SETUP

Initial Charging

Before first use, fully charge the FLYLINKTECH BD20. Use the provided USB-C cable to connect the device to a USB wall adapter (not included) or a car charger. The LCD screen will indicate the charging status and battery level. A full charge typically takes several hours.

Checking Battery Level

Press the power button briefly to check the current battery level on the LCD screen. Ensure the device has at

least 50% charge before attempting to jump-start a vehicle.

OPERATING INSTRUCTIONS

Jump Starting a Vehicle

1. Ensure the jump starter is adequately charged.
2. Insert the blue plug of the smart jumper cable into the jump starter's dedicated port. Ensure a firm connection.
3. Connect the red (+) clamp to the positive terminal of the vehicle's battery.
4. Connect the black (-) clamp to the negative terminal of the vehicle's battery.
5. Check the smart clamp's display. If it shows "READY" and a green light, proceed to start the vehicle. If an error message or red light appears, check connections and battery voltage.
6. Start the vehicle's engine.
7. Once the vehicle starts, immediately remove the black (-) clamp from the car battery, followed by the red (+) clamp.
8. Disconnect the smart jumper cable from the jump starter.

HOW TO START YOUR CAR?



1 Insert the plug into the jump starter



2 Connect the clamps to the car battery



3 Start the vehicle



4 Remove the clamps and finish

Image: A four-panel diagram illustrating the steps to jump-start a car: 1. Insert the smart clamp plug into the jump starter. 2. Connect clamps to the car battery. 3. Start the vehicle. 4. Remove clamps.

Using the Air Compressor

1. Connect the air hose to the air output port on the jump starter.
2. Attach the appropriate valve adapter to the tire or inflatable object.
3. Turn on the jump starter. The LCD screen will display the current pressure.
4. Use the '+' and '-' buttons to set the desired target pressure.
5. Press the 'PUMP' button to start inflation. The compressor will automatically stop once the preset pressure is reached.

6. Monitor the pressure on the LCD screen during inflation.

Using as a Power Bank

1. Connect your electronic device (smartphone, tablet, etc.) to one of the USB output ports using a compatible USB cable.
2. For 12V-16V devices, use the DC output port with the provided DC cigarette lighter adapter.
3. The device will automatically begin charging. The LCD screen may show the output status.

Using the LED Light

1. Press and hold the light button to turn on the LED light in Torch mode.
2. Press the light button again to switch to Strobe mode.
3. Press the light button a third time to activate SOS mode.
4. Press the light button a fourth time to turn off the LED light.

MAINTENANCE

- **Recharging:** To maintain battery health, recharge the jump starter every 3-6 months, even if not in use.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and moisture. Use the provided EVA carrying case for protection.
- **Cleaning:** Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.

TROUBLESHOOTING

If you encounter issues with your FLYLINKTECH BD20, refer to the following common problems and solutions:

- **Device not turning on:** Ensure the device is charged. If the battery is completely depleted, it may take a few minutes of charging before the screen activates.
- **Vehicle not starting:**
 - Check that the smart clamps are securely connected to the correct battery terminals (red to positive, black to negative).
 - Ensure the jump starter has sufficient charge (at least 50%).
 - If the smart clamp display shows an error, refer to the clamp's specific error codes (if available) or disconnect and reconnect.
 - Wait 30 seconds between jump-start attempts to allow the device to cool.
- **Air compressor not working:**
 - Check that the air hose is securely connected to both the device and the tire valve.
 - Ensure the jump starter has enough battery charge.
 - Verify that a target pressure has been set.
- **Devices not charging via USB/DC:** Ensure the jump starter is powered on and has sufficient charge. Check cable connections.

If problems persist, please contact customer support.

SPECIFICATIONS

Feature	Specification
Model Number	BD20
Peak Current	5000A (Max Output Current: 6000A)
Battery Capacity	20000 mAh (74 Wh)
Battery Type	Lithium-ion
Air Compressor Pressure	150 PSI
DC Output	12V-16V / 10A (160W)
USB Output	2 Ports (including 1 x Quick Charge 3.0)
Compatible Engine Types	All Gas / 10.0L Diesel
Operating Temperature	-20°C to 60°C
Dimensions (L x W x H)	23.5 x 5.5 x 12.5 cm
Weight	1.13 kg

WARRANTY AND SUPPORT

Parts Availability

FLYLINKTECH ensures the availability of spare parts for the BD20 model for a period of 3 years from the date of purchase.

Customer Support

If you have any questions, concerns, or require technical assistance with your FLYLINKTECH BD20 Car Jump Starter with Air Compressor, please do not hesitate to contact our customer support team. Refer to the contact information provided in your product packaging or visit the official FLYLINKTECH website for support details.