

Technaxx[®] * User Manual

Auto Truck Jump Starter 30000mAh TX-121

The Declaration of Conformity for this device is under the Internet link: **www.technaxx.de/** (in bottom bar "Konformitätserklärung"). Before using the device the first time, please read the user manual carefully.

Service phone No. for technical support: **01805 012643** (14 cent/minute from German fixed-line and 42 cent/minute from mobile networks).

Free Email: **support@technaxx.de**

This device has a rechargeable battery. It must be fully charged before first use. NOTE: Charge the battery of the device every 2–3 month if it is not used!

Keep this user manual for future reference or product sharing carefully. Do the same with the original accessories for this product. In case of warranty, please contact the dealer or the store where you bought this product.

Warranty 2 years

Enjoy your product. Share your experience and opinion on one of the well-known internet portals.

Important: this device is suitable for vehicles (12V & 24V)!

- This device has a percentage display. When the display only shows 60%, or less, then do NOT use the device to start your car! But you can use it for charging digital devices.
- When trying to start your car more than 3x without success, stop starting it. Disconnect the device to avoid damaging other parts of the car.
- Check the power of the device 1x per month and also charge it to ensure it can work in an emergency case.
- Do NOT use the device all the time for charging. Maybe then it will not have enough power for starting a car in an emergency situation.
- Device shuts down automatically when it is not loading other external devices.

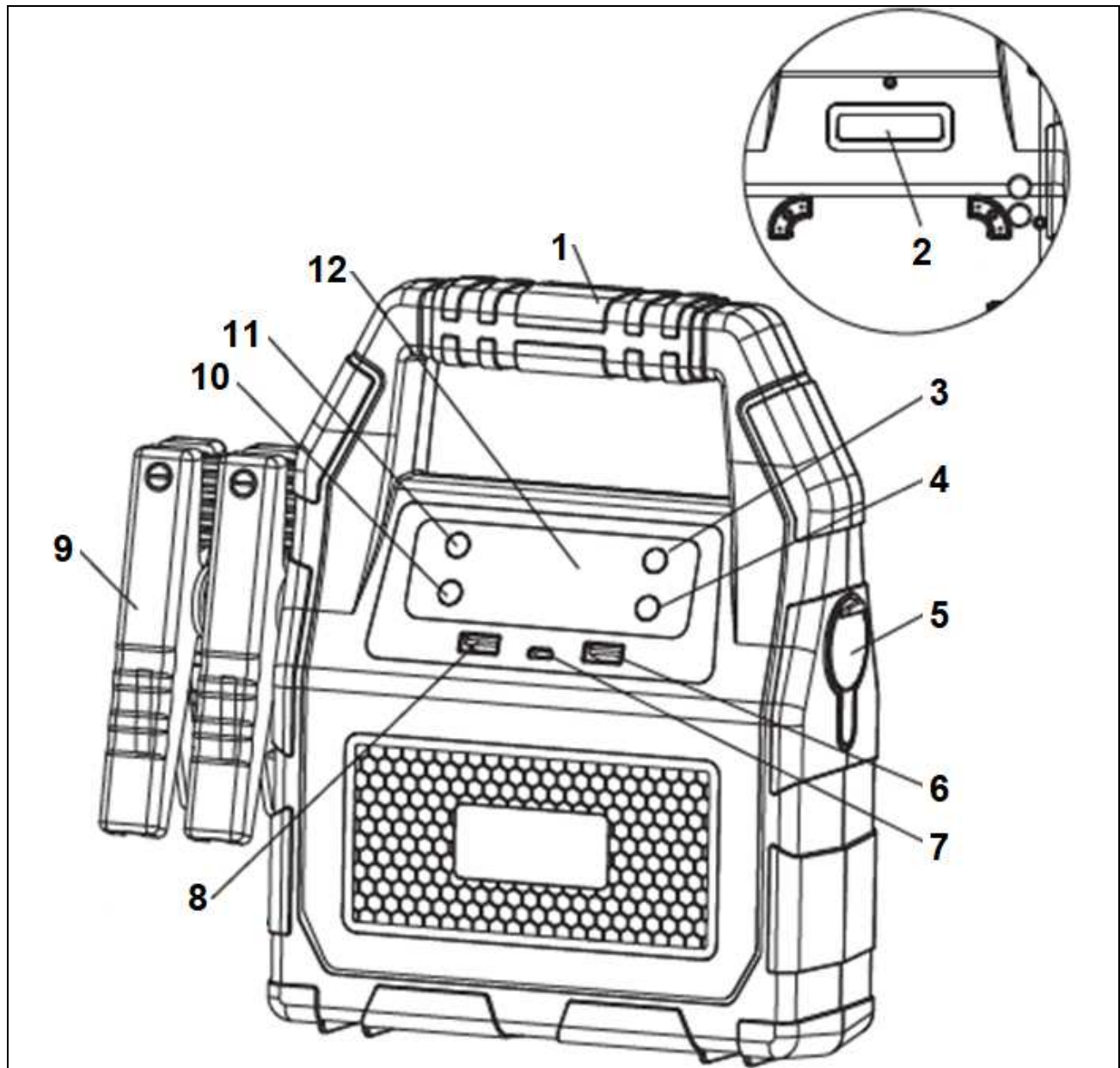
Features

- 3-in-1 Power Bank: Jump Starter for the car battery, Charging (e.g. Smartphone/Tablet/PC/etc.) & Emergency/Working light
- 12V/24V Jump Starter: diesel cars up to 13L engine, gasoline/petrol cars up to 8L engine
- Integrated emergency light (3 lighting effects)
- Protection against overcharge, overdischarge, short circuit & reverse plugging
- 30000mAh lithium polymer battery
- 2x USB outputs for simultaneous charging of two devices
- Power supply via 12V cigarette lighter socket

Technical specifications

| | | |
|---------------------------------|--|---|
| Jump Starter output (clamps) | | 12/24V output for starting a car |
| Starting current | | 12V/450A; 24V/450A |
| Peak current | | 12V/1000A; 24V/1000A |
| Recommended vehicles | | Diesel engines up to 13L; Gasoline/petrol engines up to 8L |
| Power | Built-in rechargeable 7x 4000mAh Li-polymer battery total 25.9V / 103.6Wh (real) / charging time ~6–7 hours | |
| LED | 3W, 270lm, 6500–7500K | |
| Input voltage (Quick Charge) | Micro USB: 5V/2A; 9V/2A; 12V/1.5A | |
| Output | USB: 5V/1.0A, USB: 5V/2.1A Cigarette lighter socket: 12V/10A | |
| Operating temperature | –20°C up to +60°C | |
| Storage temperature | –10°C up to +60°C | |
| Weight / Dimensions | 2.3kg / (L) 24.8 x (W) 24.8 x (H) 9.6cm | |
| Package contents | Auto Truck Jump Starter 30000mAh TX-121, Micro USB charging cable, USB power adapter, User Manual | |

Product view



| | | | |
|---|----------------------------------|----|--------------------------------|
| 1 | Handle | 7 | Micro USB Quick Charge (input) |
| 2 | LED Flash Light (back) | 8 | USB 5V/1A (output) |
| 3 | 12V button | 9 | Battery Clamps |
| 4 | 24V button | 10 | LED On/Off button |
| 5 | 12V/10A cigarette lighter socket | 11 | SWITCH button |
| 6 | USB 5V/1A (output) | 12 | LCD Display |

Charging

First time before using, charge the TX-121 about 6–7 hours via included USB adapter (USB to Micro USB cable).

Plug the USB charger cable to any working USB output port or the USB power adapter to a power socket. Connect the Micro USB to the 5V/9V/12V input port of the TX-121. If the percentage in the display shows 100% (that means the device is fully charged) disconnect the device to save the power. The display turns off automatically, when the device is not disconnected after it is fully charged.

Switch button and power display

→ Press the SWITCH button 1x to start the product. The display will turn on and show the current battery status in percent.

→→ Press the LED On/Off button to activate the LED. The 3 modes of LED lights appear in sequence (permanent LED, Fast flashing LED, SOS, Off). Press the LED On/Off button short to switch between modes.



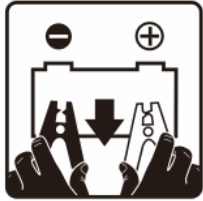
How to jump start a vehicle with the TX-121

WARNING!

- Connected correctly: the display shows “jump start ready”
- Connected Wrong: the display flashes and shows “warning clamps reversed”
- When for 30 seconds no battery is detected device powers off automatically.
- Do **NOT** press the 12V/24V button when the clamps are not connected to a battery. When the display shows “jump start ready” the clamps are under tension. Do **NOT** hold the clamps together and cause a short circuit.

Note: If you cause a short circuit, the display shows “short circuit”.

ATTENTION: During the starting process of a vehicle with the TX-121, neither charge any other devices over the USB/cigarette lighter socket connection, nor charge the TX-121 itself. To protect the TX-121 and keep its long lifetime, make sure the power of the TX-121 always is $\geq 60\%$ when using it to start a vehicle.

| ⊕ Positiv | | ⊖ Negativ | |
|---|--|---|---|
|  | |  |  |
| 1. | | 2. start the car | 3. |

First (1.) → put the red clamp to the positive pole (+) of car battery (maximum contact area), then put the black clamp to the negative pole (–) of car battery (maximum contact area).

Then (2.) →→ start the car (should happen 30 sec.–1 min. after connecting the clamps).

Last (3.) →→→ remove first the black clamp of the negative pole (–) from car battery. **After that**, remove the red clamp to the positive pole (+) from car battery.

LCD Display description

| | |
|--------------------------|------------------|
| CHARGING | LIGHT FLASH SOS |
| BATTERY | USB1 USB2 ON |
| □□□ | 12V 24V |
| □□□% | JUMP START READY |
| LOW BATTERY RECHARGE NOW | OUTPUTS LOCKED |
| WARNING CLAMPS REVERSED | |
| SHORT CIRCUIT | |
| CHECK ALL CONNECTIONS | |

A. CHARGING BATTERY XXX%

TX-121 displays "BATTERY" (power). XXX% indicates the battery power left; 100%, indicates full power. "CHARGING" is displayed when the TX-121 is currently connected for charging.

B. LIGHT, FLASH, SOS

The TX-121 displays the mode "LIGHT, FLASH, SOS" you are in while pressing the LED (zapnout / vypnout).

C. USB1 USB2 ON

When the display shows "USB1 USB2 ON", then the USB ports can be used to charge external devices.

D. 12V / 24V

→ The voltage of the vehicle battery is lower than 3V. Press the 12V/24V button. Wait until the display shows 12V/24V JUMP START READY and then start the engine. [**12V/24V** = if the car battery is empty, pressing this button manually will allow the car to start if the TX-121 has more than 60% charge capacity.]

Note: In this mode the clamps are under tension. Do **NOT** hold the clamps together and cause a short circuit. And **NEVER** use the TX-121 on any living creature!

E. 12V/24V JUMP START READY

→ The connection is correct and the circuit is working (= direct jump start) → Start the car engine.

F. OUTPUTS LOCKED

→ Locking of the outputs: ● after 4 times trying to start the car with no succes & ● when the device detects a short circuit.

→→ In both cases the device will lock all outputs for 120 seconds. You need to remove the clamps and wait until the timer is ready, to make a new attempt.

G. BATTERY LOW RECHARGE

When "BATTERY LOW RECHARGE" is shown in display TX-121 has low power and needs charging.

H. WARNING CLAMPS REVERSED CHECK ALL CONNECTIONS

→ Display flashes due to incorrect connection → correct the battery clamps: connect the red clamp to the positive pole of the battery and the black clamp to the negative pole of the battery. Wait until the display shows 12V/24V JUMP START READY to start the engine.

I. WARNING SHORT CIRCUIT CHECK ALL CONNECTIONS

→ is displayed if the car battery is defective and has a inner short circuit or

→ is displayed if the positive and negative clamps are connected with each other.

Attention: Do not connect the clamps by a metal like the car body with each other and press the 12V/24V button this can damage your car and especially the TX-121!

How to charge a digital device whose input is 5V

→ Choose the suitable data cable with USB connector.

→→ Put the USB connector into the 5V USB output of the TX-121.

→→→ Connect the other end of the data cable to the digital device that needs to charge. Then press the SWITCH button. The TX-121 recognizes electronic product's suitable parameters. The indicator lights are on and charging begins.



Smartphone charging

| Capacity | Charging time Power Bank | iPhone X / iPhone 8 | Huawei Mate 20 / Huawei P20 | Galaxy S8, S9 |
|----------|-----------------------------|------------------------|--------------------------------|------------------|
| 30000mAh | ~6–7 hours | ~9 times | ~6 times | ~7 times |

Power supply → 12V device/product with cigarette lighter connector: Connect the device directly to the 12V/10A cigarette lighter socket. Press the SWITCH button on the TX-121 to supply the device with power.

FAQs

- How does the TX-121 identify that the car is 12V or 24V?
→ The jump starter can automatically identify it normally, but when car battery are under low voltage, you should press the 12V/24V switch 3 seconds (attention to the corresponding volt your vehicle is using) to start the vehicle.
- How to turn off TX-121?
→ TX-121 will power off automatically when no load connected or charging is completed.
- How long does the storage of battery will remain?
→ about 6–12 months. However, we suggest to recharge it every 2–3 months.
- How long is the lifetime of TX-121? → about 3–5 years.
- How many times can TX-121 jump start the vehicle if it is in full charged?
→ 12V vehicle ~30 times; 24V vehicle ~20 times.
- No response when pressing the SWITCH button of TX-121.
→ Reason: maybe low voltage protection of TX-121 is started.
→ Solution: plug in TX-121 to charge it.

Warnings

- **NEVER use the TX-121 on any living creature!**
- **Keep the device away from children. It should be only used by adults!**
- **NEVER (!) connect the two clamps together or with a piece of metal and press the 12V24V button. This will cause a short circuit and damage the TX-121.**
- Do not disassemble the device by yourself (voiding the warranty). Use the original home charger to recharge the device, or it may reduce the lifetime of the device.
- Do not start up car with the truck jump starter when the power is less than 60% to avoid any damage. Take the product away after the car starts within 30 seconds. Otherwise may cause accidents. When finding the device expands, do not use it to start the vehicle, to avoid safety accident.
- This product cannot be continuously used to start the vehicle, it may cause damage to the product.
- Each time you start the interval must be longer than 30 seconds. When starting the car continuously with 30 seconds pause, and it is not successful after 4 times, then stop starting to avoid causing damage to the device or safety accident.
- It will cause severe damage to the device when starting the car via this device continuously or use this device to start the car whose starting power is over this device, and it may cause safety accident easily.

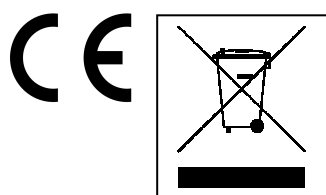
- Make sure the battery clamps are well connected. If battery connector is rusted or dirty please clean it first, or the vehicle cannot be started. Make sure the red clamp is connected to the positive pole, and the black clamp to the negative pole. Do NOT connect in the opposite way or it may damage the car.

Indoor Storage Hints

Make sure this device is it is far from fire and the object whose surface temperature is over 60°C, to avoid severe damage or burning / stored in no corrosive gas environment / stored in the environment between 15°C–35°C. The battery should last about 6 months if the TX-121 is not used.

Car Storage Hints

Remove the product and keep the device indoors when the car interior temperature is not between –10°C up to 60°C to prevent serious damage or explosion. Make sure the device in the suitable position, to avoid damage caused by bumping.



Hints for Environment Protection: Packages materials are raw materials and can be recycled. Do not disposal old devices or batteries into the domestic waste. **Cleaning:** Protect the device from contamination and pollution. Avoid using rough, coarse-grained materials or solvents/aggressive cleaner. Wipe the cleaned device accurately. **Distributor:** Technaxx Deutschland GmbH & Co.KG, Kruppstr. 105, 60388 Frankfurt a.M., Germany