Imazing



Qualcomm® Quick Charge™ 3.0 technology

IM23

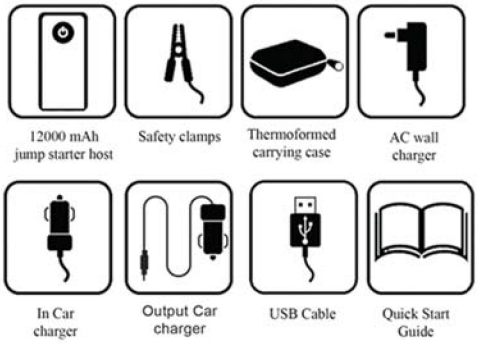
START YOUR ENGINE

NEVER GET STRANDED WITH A DEAD CAR BATTERY AGAIN!

WELCOME

Thank you for buying **Imazing** Jump Starter. Read and understand the User Guide before using the product.

What's in the Box



BEFORE STARTED.

The IM23 comes partially charged and needs to be fully charged before use. Carefully read and understand the vehicle owner's manual on precautions and recommended methods for jump starting the vehicle. Make sure to determine the voltage and chemistry of the battery by referring to your battery owner's manual prior to using this product. The IM23 is for jump starting 12-volt lead-acid batteries only.

CONNECTING TO THE BATTERY.

Verify that you have a 12-volt lead-acid battery before connecting to the battery. The **Jump Starter** is not suitable for any other type of battery. Identify the correct polarity of the battery terminals for your vehicle. The positive battery terminal is typically marked by these letters or symbol (POS,P,+). The negative battery terminal is typically marked by these letters or symbol (NEG,N,-). Do not make any connections to the fuel lines, carburetor, or thin, sheet metal parts. The below instructions are for a negative ground system (most common). If your vehicle is a positive ground system (very uncommon), follow the below instructions in reverse order.

1.) Connect the positive (red) Battery clamp to the positive (POS,P,+) battery terminal.
2.) Connect the negative (black) Battery clamp to the negative (NEG,N,-) battery terminal or vehicle chassis.
3.) When disconnecting, disconnect in the reverse sequence, removing the negative first (or positive first for positive ground systems).

CHARGING THE IM23

Connect the IM23 using the included USB Charge Cable to the USB IN port and the USB car charger. It can also be recharged from any USB powered port like an AC adapter, car charger, laptop and more. The USB IN port is rated at 5V/2.1 Amps and 15V/1 Amps to ensure safe and efficient charging of the internal lithium battery. Due to FCC regulations, we recommend not to charge and discharge the unit at the same time.

USB Charging Rating		
	15V/1A	5V/2A
Time	3.5hr	5.5hr

IM23 CHARGING TIMES.

The time to recharge a IM23 will differ based on the discharge level and the power source used. Actual results may vary due to battery conditions.

JUMP STARTING STEPS.

1.) Verify the voltage and chemistry of the battery.
2.) Make sure all of the vehicle's power loads (headlights, air conditioning, radio, etc.) are turned off before attempting to jump start the vehicle.
3.) Connect the EC5 Connector to the **Jump Starter** The boost LED will flash green, the IM23 go into standby mode.
4.) Confirm the Battery Clamps are connected to the correct polarity battery terminals. The Boost LED will turn into a solid green light, the IM23 is ready to jump start your vehicle.
5.) If the battery clamps are connected correctly, but the boost LED is still flashing green which means the car battery can't be detected (need to use the manual override mode to jump start)
(Warning please read the manual before using the manual override mode)
6.) Try starting the vehicle. Most vehicles will immediately start. Some vehicles may require the **IM23** to be connected for up to 30 seconds before starting. If the vehicle does not start right away, wait 20-30 seconds and try again. Do not attempt more than five (5) consecutive jump starts within a fifteen (15) minute period. Allow the IM23 to rest for fifteen (15) minutes before attempting to jump start the vehicle again.
7.) Once you have started your vehicle, disconnect the battery clamps, and remove the Jump Starter

LOW VOLTAGE BATTERIES & MANUAL OVERRIDE.

The **IM23** is designed to jump start 12-volt lead-acid batteries down to 2-volts. If your battery is below 2-volts, the Boost LED will flash in red. This is an indication that the IM23 can not detect a battery. If you need to jump start a battery below 2-volts there is a Manual Override feature, which allows you to force "On" the jump start function.

IM23 USER MANUAL

1. **Internal Battery Level.**
   Indicates the charge level of the internal battery. LCD screen will display "USB OUT", if no load, it will turn off in 30s.
2. **Power Button.**
   Push to turn unit "On" & "Off".
3. **Boost LED.**
   Illuminates Green when Boost is active. If the unit is connected properly to a battery, the IM23 will automatically detect a battery and go into Boost mode.
4. **Boost Button.**
   To enable, push and hold for three (3) seconds.
   WARNING: Disables safety protection and manually forces Boost "On". Only for use when a battery is too low to be detected.
5. **DC Output.**
   Press Power button, connect to the cigar lighter to charge the car battery.
6. **Light Mode Button.**
   Toggles the ultra-bright LED light through 3 light modes:
   Long press --- Flashlight
   Press again --- SOS
   Press again --- Strobe
   Press again --- OFF

NOTICE

1. Never connect the red and the black clamps, or it will cause danger.
2. Never disconnect or destroy the jump starter, or it will cause danger.
3. When children us this jump starter, please make sure they are under the eyes of parents and handle it according to the manual, to avoid potential loss.
4. Please leave the jump starter at dry place, far away from wet or corrosive materials.
5. If you find the jump starter inflate, please stop use at once.
6. Please use this jump starter at normal temperature and be far away from too wet, too hot and fire
7. Please don't start the car continuosly, between twice start, there should be intervals at least 15 seconds.
8. When the rest power is less than 10%, please don't use jump starter, or it will do harm to the jump starter.
9. When you use for the first time, please charge the product 3 hours or more.



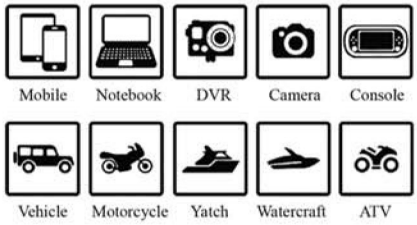
UNDERSTANDING ERROR CONDITIONS.

The IM23 shall display an Error Condition when a reverse polarity condition is present, a battery below two (2) volts, or the internal battery overheating. When one of these Error Conditions are present, the following will happen:

Error	Reason/Solution
Error LED Solid Red	Reverse polarity/ Reverse the battery Connections.
Error LED Blinking Red w/Cables Connected Properly	The internal battery is too hot/ Allow the unit to cool. Bring the unit into cooler environment.
Boost Light Does Not Come On w/Cables Connected Properly	Connected battery is below 2-volts/ Remove all loads, and try again, or use Manual Override Mode.

DANGER.
PRIOR TO USE, READ AND UNDERSTAND PRODUCT SAFETY INFORMATION. Failure to follow the instructions may result in ELECTRICAL SHOCK, EXPLOSION, or FIRE, which may result in SERIOUS INJURY, DEATH, DAMAGE TO DEVICE or PROPERTY. Do not discard this information.

Besides of jump start a car, this product can also supply power for our mobile phone,laptop, camera and other consuming electronics, and have many different modes of led lighting.



TECHNICAL SPECIFICATIONS.

Internal Battery:	Lithium Ion
Peak Current Rating:	1500A
Operating Temperature:	-20°C to +50°C
Capacity:	44.4Wh
Charging Temperature:	0°C to +40°C
Storage Temperature:	-20°C to +50°C (Avg Temp.)
Input:	5V/2A 15V/1A
USB 1 (Output):	5V, 2.1A
USB 2 (Output):	5v-15V / 2.1A-1A
DC (Output):	16.8V/6A
Cooling:	Natural Convection
Dimensions (L x W x H):	8 x 3.2 x 17.6 cm
Weight:	2.4 Pounds

Qualcomm quick charge 3.0

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