



12/24V Intelligent Jump Starter

User Manual

MA35000



Thank you for choosing the MA35000 12/24V Intelligent Jump Starter. Always follow basic safety precautions when using electrical appliances. Read all instructions carefully, and please keep this manual for future reference.



Overcharge and
Overdischarge Protection



Fuse Protection

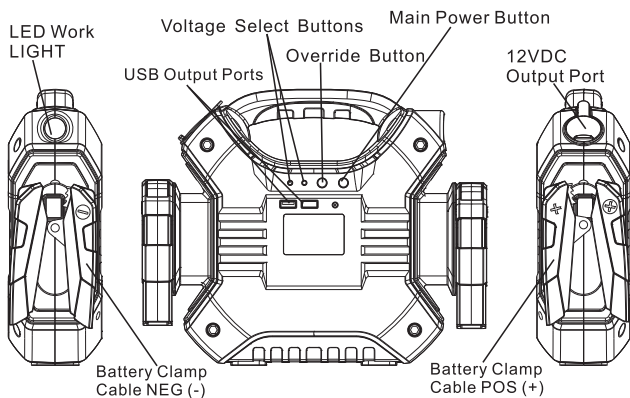


Against-reverse Plug

Applied Standard : GB/T 18287-2000



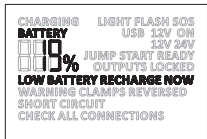
COMPONENTS AND CONTROLS



PARTS LIST

#	Part	Qty	#	Part	Qty
1	Jump Starter	1	3	USB Cable	1
2	Wall Charger	1	4	User Manual	1

CHECK BATTERY CHARGE LEVEL



Press the Main Power Button, the digital display will show the battery's percent state of charge.

NOTE: If the percentage state of charge is below 20%, the display will show "LOW BATTERY RECHARGE NOW". You will need to recharge the jump starter before use

CHARGING THE JUMP STARTER

WARNING! Only use the charger included with the jump starter. Use of any other charger may damage the unit.

WARNING! Always charge the jump starter on a non-flammable surface in a well ventilated area. DO NOT use the jump starter while it is being charged.

NOTE: Before initial use, make sure to fully charge the jump starter.

NOTE: During charging, the display will show the current state of charge as a percentage. This display will read "100%" once the internal battery is fully charged.

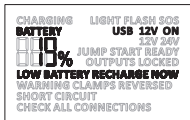
Using the Wall Charger:

- 1) Plug the wall charger into a 240V outlet
- 2) Insert the charger lead into the Charging Input Socket on the control panel of the jump starter
- 3) The digital display will show "CHARGING BATTERY" and display the current percentage state of charge
- 4) When charging is complete, turn off the charger at the wall, disconnect it from the jump starter and remove the charger from the wall

OPERATING INSTRUCTIONS

Using the LED work light

- 1) Press and hold the Main Power Button for about 2 seconds to turn on the light, the display will show "LIGHT"
- 2) For a strobe light, briefly press the Main Power Button again. The screen will show "FLASH"
- 3) For an SOS signal light, briefly press the Main Power Button again. The screen will show "SOS"
- 4) To turn off the light, press the Main Power Button again



Running/Charging USB Devices

The jump starter has 2 standard USB ports providing up to 3A at 5V DC

- 1) Press the Main Power Button, the screen will display “USB 12V ON”
- 2) Plug the USB charging cable into the USB output port on the front panel of the jump starter
- 3) Plug the USB charging cable into the device to be charged, charging should begin (turn your USB device on if this is required for charging)
- 4) When charging is complete, remove the device from the jump starter. The jump starter will turn off automatically after a short period of inactivity

RUNNING/CHARGING 12V DC APPLIANCES

The MA35000 can supply 12V DC power at a maximum of 10amps from the cig socket on the side of the jump starter to power devices such as compressors, coolers and OBDII memory savers etc. for a short period of time.

- 1) Verify the jump starter is fully charged, recharge if required
- 2) Make sure the appliance to be powered is turned off, and that it does not require more than 10 amps of current
- 3) Plug the appliance into the cig socket on the jump starter
- 4) Turn on the appliance
- 5) When finished using the device, turn it off and disconnect it from the jump starter
- 6) Recharge the jump starter

JUMP STARTING A VEHICLE

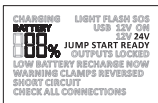
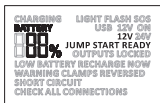
The MA35000 can automatically detect if it is connected to a 12V or a 24V system and adjust its output accordingly.

WARNING! DO NOT ATTEMPT JUMP STARTING WITH DAMAGED LEADS OR CLAMPS

WARNING! DO NOT TOUCH POSITIVE AND NEGATIVE BATTERY CLAMPS TOGETHER

NOTICE: To avoid damage to vehicle electrics, do not attempt to jump start a vehicle with no battery installed.

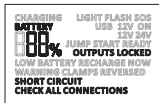
- 1) Verify the jump starter is fully charged. Recharge if needed. Do not attempt to start if the jump starter is less than 60% charged
- 2) Turn off the vehicle ignition and all accessories (lights, radio, air con etc.)
- 3) Connect the RED/positive (+) clamp to the vehicles RED/positive (+) battery terminal. Then connect the BLACK/negative (-) clamp to the BLACK/negative (-) battery terminal
- 4) Look at the jump starter display screen, it should display "12V JUMP START READY" OR "24V JUMP START READY"



NOTE: If the screen does not display either of these, skip ahead to the section called "USING THE OVERRIDE BUTTON"

- 5) Crank the engine
- 6) If the engine does not start after 5 seconds, wait for 30 seconds and try again. If the vehicle still does not start, consult a mechanic or auto electrician, there may be other problems.
- 7) Once the engine has started, immediately remove the BLACK/negative (-) clamp first, then the RED/positive (+) clamp
- 8) Recharge the jump starter before storing

WARNING! If the jump starter emits an alarm when the clamps are connected, check the screen to determine the fault.



A) If the screen shows "OUTPUTS LOCKED" "SHORT CIRCUIT" AND "CHECK ALL CONNECTIONS" the jump starter clamps are touching. Disconnect the clamps immediately and reconnect correctly, then resume jump starting. INSERT IMAGE FROM ORIGINAL



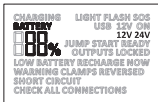
B) If the screen shows "WARNING CLAMPS REVERSED CHECK ALL CONNECTIONS" the jump start clamps are connected in reverse polarity. Remove the clamps immediately, re-connect correctly and resume jump starting. INSERT IMAGE FROM ORIGINAL

USING THE OVERRIDE BUTTON

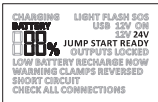
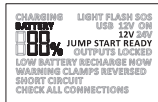
WARNING! DO NOT use the Override Button unless the jump starter has failed to detect the vehicle system voltage (12V/24V)

Note: When the vehicle battery is very flat there is not enough voltage to indicate the correct system voltage for the jump starter automatically. You will need to determine the correct vehicle system voltage and manually override the jump starter. If you do not know the vehicle system voltage DO NOT ATTEMPT TO JUMP START. DO NOT GUESS!

- 1) Determine the vehicle starting system by referring to the owner's manual of the vehicle, or contact an auto electrician. Make sure this is either 12V or 24V, or the jump starter cannot work
- 2) Turn off the vehicle ignition and all accessories (lights, radio, air con etc.)
- 3) Connect the RED/positive (+) clamp to the vehicles RED/positive (+) battery terminal. Then connect the BLACK/negative (-) clamp to the BLACK/negative (-) battery terminal
- 4) MAKE SURE THE CONNECTIONS ARE CORRECT OR YOU MAY DAMAGE THE VEHICLE ELECTRICAL SYSTEM
- 5) Press the "Over-ride" button (if the screen is already illuminated, double-tap the "Over-ride" button). "12V 24V" will flash on the screen for 5 seconds only. Step 6 can only be completed with "12V 24V" flashing on the screen - repeat step 5 if required.



- 6) Press and hold the correct voltage button (12V or 24V) for about 2 seconds until the screen displays "JUMP START READY" at the voltage you have chosen



- 7) Crank the engine within 30 seconds or the jump starter will turn off for safety reasons
- 8) If the engine does not start after 5 seconds, wait for 30 seconds and try again. If the vehicle still does not start, consult a mechanic or auto electrician, there may be other problems.
- 9) Once the engine has started, immediately remove the BLACK/negative (-) clamp first, then the RED/positive (+) clamp
- 10) Recharge the jump starter before storing

SPECIFICATIONS

Battery Capacity	35000mAh
Battery Type	Lithium Ion Phosphate (LiFEPO4)
Size (mm)	292 x 233 x 79
Weight (g)	2700
Input	15V/1A
Output	5V/1A USB, 5V/2A USB, 12V/10A, 12V Jump Starting, 24V Jump Starting

Full Charging Time	8 hours
Start Current	12V 600A : 24V 300A
Peak Current	12V 1200A : 24V 600A
Operating Temp	-20C to 60C
Lifetime	1000 Cycles plus
Light Output	3W - 250 Lumens
Housing Material	ABS Plastic
Fireproof Rating	V0 (UL94)

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit beeps and screen shows "OUTPUT LOCKED"	Battery clamps are connected in reverse polarity or there is a short circuit	Disconnect clamps immediately, correct the connections and resume jump starting
Unit failed to jump start vehicle	Jump starter battery low	Recharge and re-try
Unit failed to jump start vehicle	Engine problems	Seek advice from a mechanic or auto electrician
Unit failed to jump start vehicle	Engine too large	Find a larger jump starter
Screen shows "OUTPUT LOCKED" and continues flashing	Attempted to jump start too many times within a short period	Jump starter is in protection mode to avoid over-heating. Wait 2 minutes for unit to cool and re-set, then resume jump starting
Display screen is blank	Jump starter battery low	Recharge and re-try
Display screen is blank	USB output or 12V DC output overloaded, or there is a short circuit	Protection mode has tripped, disconnect all devices, wait two minutes for unit to re-set, then re-try. Check devices are in good condition

WARNINGS

- ⚠ Always check that the battery clamps are connected in the correct polarity – RED clamp to Positive (+) terminal, BLACK clamp to the Negative (-) terminal.
- ⚠ Always check that the battery clamps are well connected without any dirt or corrosion.
- ⚠ DO NOT connect the jump starter to a 24V vehicle when the LCD screen shows "12V JUMP START READY" as this can cause serious damage to the vehicle.

- ❗ DO NOT connect the jump starter to a 12V vehicle when the LCD screen shows “24V JUMP START READY” as this can cause serious damage to the vehicle.
- ❗ DO NOT connect the jump start clamps to the vehicle battery in reverse polarity when the “12V JUMP START READY” or “24V JUMP START READY” is showing on the LCD screen, this can damage the vehicle and the jump start unit.
- ❗ DO NOT touch the two jump start clamps together when the “12V JUMP START READY” or “24V JUMP START READY” is showing on the LCD screen, this can damage the jump start unit.
- ❗ Remove the jump start clamps from the vehicle battery within 30 seconds after jump starting the vehicle.
- ❗ DO NOT attempt to jump start a vehicle more than 3 times. If this does not work, there are other problems with the vehicle.
- ❗ DO NOT modify or disassemble the jump start unit.
- ❗ DO NOT immerse the jump start unit in water or allow it to become wet.
- ❗ DO NOT operate the jump starter in explosive atmospheres, including in the presence of flammable gases, liquids or dust.
- ❗ If the jump start unit is damaged and the contents of the battery come into contact with skin or eyes, rinse immediately with water and seek medical attention.
- ❗ Please dispose of this jump start unit responsibly at the end of its service life.
- ❗ DO NOT use the unit if it has been damaged
- ❗ DO NOT store in locations that can exceed 70 degrees Celsius

WARRANTY

Products developed and sold by Tridon Australia Pty Ltd come with a guarantee for the reasonable life of the product, for the purpose it is commonly used. This is in addition to the rights of the consumer under the Australian Consumer Law. To be considered for warranty please take the product with proof of purchase to the store where you purchased the product or contact Tridon Australia

The warranty is given by:

Tridon Australia, 21-25 Derby St, Silverwater, NSW 2128.

Tel: 1300 362 263.

Email: mail@tridon.com.au

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage incurred if the product fails when used for the purpose for which it was intended. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Tridon Australia will bear costs associated with claiming legitimate warranties. Proof of expenses incurred must be submitted to Tridon Australia Pty Ltd.