



45

PSI

MAX PRESSURE

PUMP 1

VEHICLE TIRES

PUMP 2

LEISURE INFLATABLES

QUICK RELEASE VALVE

PORTABLE

LI-ION BATTERY



17903 LI-ION CORDLESS RECHARGEABLE

VEHICLE/MULTI-PURPOSE INFLATOR

USER GUIDE

17903UG

11/23

THANK YOU FOR PURCHASING THE
MICHELIN LI-ION CORDLESS RECHARGEABLE
VEHICLE/MULTI-PURPOSE INFLATOR

Read the operating instructions before using the inflator. Improper use can cause damage or harm to you and/or your property. When using the inflator, park the vehicle in a safe location, off the roadway with the handbrake engaged.

- This inflator can inflate car tires up to 45 PSI, (do not inflate space saver tires) motorcycle tires up to 60 PSI and bicycle tires up to 120 PSI. Higher pressures can be achieved in cycle tires due to their smaller air volumes compared to car tires.
- Use the included adapters to safely inflate low-pressure items such as sports balls and small inflatable toys.

WARNING! COMPRESSED AIR CAN BE DANGEROUS

- The inflator should not be used by anyone unfamiliar or inexperienced with its use. Use with caution around children. The inflator is neither safe nor intended for use by children.
- Never leave unattended when running.
- Never overinflate.
- Always use in a safe area away from traffic and other dangers.

Never run continuously for more than 10 minutes. After each 10-minute run allow inflator to cool for 15 minutes.

WARNING! ENSURE CORRECT TIRE PRESSURES

- Correct tire pressure is vital for road safety.
- Under or overinflated tires can be dangerous.
- Perform weekly checks to ensure tires meet manufacturer's recommended pressure. This should include the spare, but exclude space saver tires. Always check before a long distance trip or after loading or unloading the vehicle.
- Always check air pressures in an ambient temperature, never immediately after a long distance trip.

CAUTION

- Inspect the inflator before each use.
- To reduce the risk of electric shock, do not expose the inflator to water or other liquids. Do not place or store the inflator where it can get wet, fall or be pulled into water.
- Do not kink or block the air hose while the inflator is in operation.
- Do not use the inflator or any of its components if bent, broken, melted, burned or wet.
- Only use the adapters supplied with the device.
- The inflator contains no user serviceable parts – DO NOT OPEN.

MICHELIN LI-ION CORDLESS RECHARGEABLE
VEHICLE/MULTI-PURPOSE INFLATOR

OPERATING FEATURES



1. Inflation start/stop	8. 25.5 inches (approx.) high pressure air hose with quick release valve connector
2. White LCD digital display	9. LED Light on/off
3. Battery status indicator	10. Power on/off
4. High/low pressure selection	11. Target pressure adjustment
5. Inflation selection button	12. Adapters (snap-in storage at rear of unit)
6. Type -C charging port	13. LED Light
7. 12 inch (approx.) low pressure air hose	

SPECIFICATIONS:

Max pressure:	45 PSI for car tires (120 PSI for bicycle tires)
Pressure accuracy:	Backlit display (+/- 1 PSI up to 50 PSI)
Pressure resolution:	PSI / BAR / kPa
Max current:	12 AMPS
Noise level:	90dB
Low pressure hose length:	12" (approx.)
High pressure hose length:	25.5" (approx.)

POWER DISPLAY & CHARGING

Battery capacity indicator: the number of bars on the display shows the remaining battery capacity.



CHARGING THE INFLATOR

Open the charging port door (6) and connect the supplied charging cable, connect the other end to a suitable 5v 2amp charger (most mobile phone chargers are compatible) and connect to the power supply. Charge to 100% before first use. While charging the power indicator shows a flow animation indicating charging is taking place. When fully charged the power indicator will have 4 bars illuminated. Charging takes approx. 4 hrs (time varies with different environmental conditions).

A fully charged battery will give approximately 4 inflation cycles from 0 – 35 PSI, based on a 195/65R15 tire. Do not recharge immediately after use. It is recommended to allow the inflator to cool down between 20-30 minutes before recharging it.

Note: the built-in lithium-ion battery may be damaged by fully draining the battery.

During operation the power indication (bars) may drop quickly. This is because of battery voltage discharge during inflation. It may return to the pre-inflation level once inflation is complete but it does not affect inflation functionality. If unused for long periods, charge every 3 months to maintain battery efficiency.

To conserve power, the inflator features a **power save mode** and will shut down after approx. 120 seconds. Note: the inflator does not have a built-in memory so personal settings will not be saved.

CONNECTING THE HIGH-PRESSURE HOSE





Schrader Valve

Inflation: the quick release valve (8) can be directly connected to the Schrader Valve by holding the quick release connector at its base (fig 1.) and pushing the connector firmly onto the valve. While still pushing forward slide your thumb and forefinger down into the gray collar and continue pushing until the collar stops moving forward (fig 2.). A successful connection will result with no air escaping (hissing) from the valve. If a hiss occurs remove the connector by holding the gray collar and pulling it back and try again.

1.

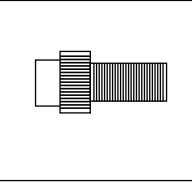
2.

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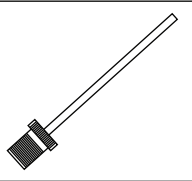
ADAPTERS

Various adapters (12), for inflating other items, are included with your MICHELIN Cordless Rechargeable Inflator. They are located on back of the unit, in a snap-in storage compartment.

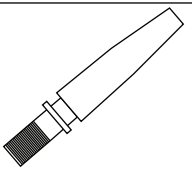
To avoid overinflation, always follow the manufacturer's instructions on the items to be inflated.



Presta Valve Adapter
Inflation: Screw the Presta Valve adapter onto the bicycle tire valve stem. Then holding the quick release connector at its base (fig 1), push the connector firmly onto the adapter. While still pushing forward, slide your thumb and forefinger down into the gray collar and continue pushing until the collar stops moving forward (fig 2). A successful connection will result when no air escapes (hiss) from the adapter. If a hiss occurs, remove the connector by holding the gray collar, and pulling it back, try again.



Needle Adapter
To inflate footballs and other balls use the needle adapter. To connect the needle adapter to the quick release valve connector, push and hold the needle adapter into the hole of the connector with one hand while holding quick release connector at its base (fig 1) push the connector forward. While still pushing forward, slide your thumb and forefinger down into the gray collar and continue pushing until the collar stops moving forward (fig 2). The needle valve is now locked into the connector. To remove the needle valve, hold it with one hand and pull the gray collar back with the other hand.



Small Toy Inflator adapter
Small inflatable toys use the small toy inflator adapter. To connect the adapter to the quick release valve connector push, and hold the adapter into the hole of the connector with one hand while holding the quick release connector at its base (fig 1) push the connector forward. While still pushing forward, slide your thumb and forefinger down into the gray collar and continue pushing until the collar stops moving forward (fig 2). The adapter is now locked into the connector. To remove it, hold it with one hand and pull the gray collar back with the other hand.

DUAL HOSES:

The inflator has two hoses for two types of inflation. The high pressure hose (8) for inflating vehicle/cycle tires and sports equipment. The low pressure hose (7) for inflating or deflating low pressure, high volume items like air beds and small inflatable toys.

Operate the inflator at least 2 feet away from any wall or object that could restrict the flow of fresh air to the ventilation openings in the inflator. The inflator can be operated vertically or horizontally.

DIGITAL DISPLAY

The digital display can be used to monitor air pressure when inflating your desired objects.

PRESSURE INDICATION

When the inflator is switched on and connected to the tire, the current pressure will be displayed on the screen. Tire pressure reading accuracy +/-1 PSI 3 to 50 PSI, +/-2 PSI 51 to 100 PSI, +/-3 PSI 101 to 120 PSI.

CORRECT TIRE PRESSURES

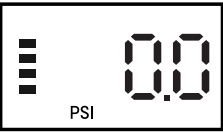
To ensure safety, please check the recommended pressures by reading the instruction manual provided with your vehicle/cycle/inflatable item. Compressed air can be dangerous. Overinflating can be dangerous and possibly result in injury. Under or overinflated tires can be dangerous and possibly result in injury.

TIRE INFLATION

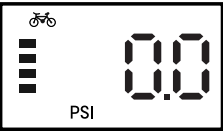
Improper attached hoses or accessories can become detached under pressure and cause serious injury. Possible air leaks can cause faulty pressure readings. Make sure all connections are tightly secured before inflating.

The inflator will stop automatically when the selected pre-set pressure is reached. To stop inflation at any point press Inflation start/stop button (1)

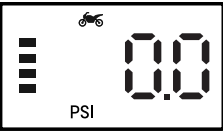
1. Press and hold the On/Off button for approx. 3 seconds (10) the digital display will illuminate. The default inflation setting is high-pressure mode (tire inflation).
2. Press the inflation selection button (5) for one second to switch between the following five inflation options.
Free mode: (default pre-set) pressure can be adjusted freely under **free mode**.
Adjustable range: 3-120 psi.



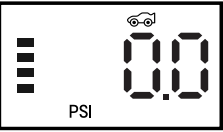
Bicycle mode: default pressure (flashing) is 45 psi. Adjustable range: 3-120 psi.



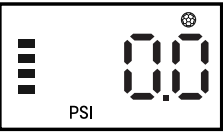
Motorcycle mode: default pressure (flashing) is 34 psi. Adjustable range: 26-44 psi.



Car mode: default pressure (flashing) is 32 psi. Adjustable range: 26-51 psi.



Ball mode: default pressure (flashing) is 8 psi. Adjustable range: 4-16 psi.



3. To choose the pressure format press the inflation selection button (5) for 2~3 seconds to switch between PSI / BAR / kPa. Each press of the button cycles through the pressure format. Once the format stops flashing the new selection is set.
4. Uncoil the high pressure hose (8) and connect the quick release valve connector onto the tire valve. To do this, hold the quick release connector at its base (fig 1.) and push the connector firmly onto the valve. While pushing forward, slide your thumb and forefinger down into the gray collar and continue pushing until the collar stops moving forward (fig 2.). A successful connection will result with no air escaping (hissing) from the valve. If a hiss occurs remove the connector by holding the gray collar and pulling it back and try again.

Check the tire pressure shown on the display. When connected correctly, the gauge will display the current pressure in the tire. If this is the pressure as stated in your vehicle's handbook, remove the tire valve connector (8). If the tire pressure is lower than the stated pressure and you have previously set the pre-set target pressure, press the inflation start/stop button (1) to inflate the tire.

If you are inflating multiple tires and the automatic shut-down has activated, or you switched the power off between tires, you will have to reset the inflation mode, pressure format and target pressure (if different from the default settings.) The inflator does not have an built-in memory.

TO SET A TARGET PRESSURE

The default pressure is PSI. To change to BAR or kPa press and hold the inflation selection button (5) for 3 seconds, the pressure will then change to BAR, press and hold again for kPa. Once the format stops flashing, the new selection is set.
To change the air pressure, press the +/- (11) buttons to increase or decrease the pressure setting in 1PSI/0.1 BAR/5 KPA increments. Press and hold the + or - buttons, the target value will change rapidly, release to stop. Once the display stops flashing, the pressure is set.

Note: this inflator does not have a automatic deflate feature. To deflate an overinflated tire, the quick release connector will need to be removed and air released from the tire valve.

LED LIGHT

To switch the LED light on, press (9) LED light on/off button. To switch off, press (9) again.

INFLATING LOW PRESSURE ITEMS

You can inflate or deflate low pressure, high volume items such as air beds and small inflatable toys with this inflator.

1. Press the On/Off button (10) the digital display will illuminate. The default inflation setting is **high pressure mode** (tire inflation). To change this, the inflator needs to be on. Press MODE high/ low pressure selection button. (4) The inflator will switch to the other mode (low pressure) and the display will show a flowing arrow below the remaining battery capacity display, as shown below.



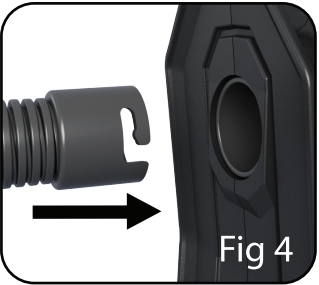
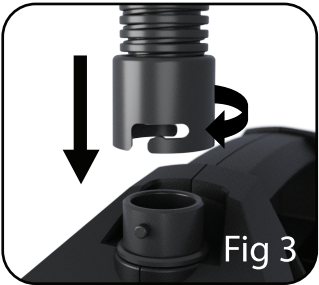
2. Remove and connect the low pressure hose onto the inflation port as shown (fig 3). Align the slots in the hose to the pins on the air output port and twist clockwise as far as it will turn to lock the hose on. Now connect the other end of the hose to the item to be inflated. If the item has a small air valve use the pinch valve adapter that is attached to the end of the low pressure hose. Insert this into the hose end and then into the item to be inflated, ensuring that the tip is inserted past the inner “flap” inside the valve of the item to be inflated.
3. Press the inflation start/stop button (1) to start inflating. Once inflation is complete remove and store the low pressure hose back into the mount on the inflator.

The inflator will shut off automatically when it runs continuously for 10 minutes. In that case, rest the inflator for 15 minutes to cool down before using again.

DEFLATING LOW PRESSURE ITEMS

1. Press the power on/off button (10) to switch the unit on. If the unit was last used in high-pressure (tire inflation mode) press the MODE high/low pressure selection button (4) to switch to low pressure mode. The display will show a flowing arrow below the remaining battery capacity display. Remove the low pressure hose from its mount and push the end with the slots in into the deflator port (fig 4).
2. Press the inflation start/stop button (1) to start deflating. Once deflation is complete remove and remount the low-pressure hose back on the inflator.
The inflator will shut off automatically when it runs continuously for 10 minutes. In that case, rest the inflator for 15 minutes to cool down before using again.

The deflating function only works in low-pressure mode for items such as air beds and small inflatable toys. This function does not work in high-pressure (tire inflation) mode.



TROUBLESHOOTING

Inflator has been turned on but cannot inflate	<ul style="list-style-type: none"> Check if the battery is charged. Check whether the current tire pressure is higher than the pre-set pressure.
Slow inflation speed	<ul style="list-style-type: none"> Check if the battery is charged. Check the hose has no air leakage. Check the quick release valve connector is correctly connected. Possible slow puncture.
The inflator is operating normally but the digital display is showing zero	<ul style="list-style-type: none"> Sporting goods; footballs, basketballs and other low-pressure inflatable products are not within the measuring range of the inflator. Check the air nozzle is inserted correctly.
There is air leakage when the high pressure hose (9) is connected to the tire valve	<ul style="list-style-type: none"> Check the quick release valve connector is correctly connected.
With the quick release valve connector (8) connected to the tire valve but the On/Off button (10) isn't pressed, inflator shuts off	<ul style="list-style-type: none"> The inflator will automatically shut down after 120 seconds if not used. Pressing and holding the On/Off button (10) for 3 seconds will turn the inflator on again.
The power indicator, when running, is inconsistent from when in standby	<ul style="list-style-type: none"> This is because the battery voltage discharges during the inflation process. This inconsistency will not affect the function of the inflator.
For all other issues please call customer support: +1(800) 403-0471	

CONVERSION CHART

PSI	kPa	BAR
10	69	0.68
20	138	1.37
30	207	2.06
40	276	2.75
50	345	3.44
60	414	4.13
70	483	4.82
80	552	5.51
90	621	6.20
100	689	6.89

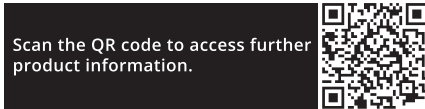
OTHER MICHELIN PRODUCTS AVAILABLE



LI-ION RECHARGEABLE
VEHICLE INFLATORS



TIRE PRESSURE
GAUGES





Customer Inquiries:
We're at your service. Let us help you, find a better way forward.

Customer support:
+1(800) 403-0471
Michelin@tire-inflation.com

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PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

FCC Warning Statement
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Re-orient or re-locate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment to an outlet on a circuit different from one that the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



One (1) year Limited Warranty



Made in Vietnam