USER MANUAL

SMART MINI ELECTRIC PUMP 150 PSI

Pocket compressor with auto-stop, 48 W brushless motor and aluminium body: four modes including a free setting, PSI or bar display, LED light, USB-C charging.

REF. PUMPTX18 · 150 PSI · 48 W · ≈ 165 G · USB-C



Selected with expertise. Tested in the field. Made for cyclists.

01 · BEFORE YOU START

WHAT'S IN THE BOX & FIRST STEPS

ITEM	QTY	PURPOSE
TX-18 mini electric pump	1	Compressor, display, battery, LED light
Flexible hose with Schrader head	1	Connects the pump to the valve
Presta adapter	1	Narrow valves (road, gravel, MTB)
Schrader adapter	1	Wide valves (MTB, city bikes, motorbikes)
Ball needle	1	Sports balls
Nozzle sealing washer	1	Spare seal for the head
USB-C cable	1	Charges from any USB charger



The pump, the flexible hose with Schrader head, the Presta and Schrader adapters, the needle and the USB-C cable.

What this pump does

It inflates up to the **pressure you have set**, then stops on its own. The display shows the pressure in real time, in PSI or bar, and the battery level. Its 48 W brushless motor spins at 13,000 rpm: a tyre goes from 28 to 35 PSI in about 37 seconds. Three preset modes (bike, motorbike, ball) and a manual mode cover 3 to 150 PSI. The aluminium body sheds the compressor's heat, and an LED light lights up the valve at night.

Specifications

Max. pressure	**150 PSI**	Power	**48 W, brushless motor**
Battery	**600 mAh lithium polymer**	Charging	**USB-C (5 V, 1.5 A), < 1 h 30**
Dimensions	**83 × 55 × 35 mm**	Weight	**≈ 165 g**
Body	**Aluminium**	Valves	**Presta, Schrader, ball**

SAFETY

- The pump body, hose and head **get hot** while inflating: hold the pump by its shell, unscrew the head by its collar and let it cool between two tyres inflated from flat.
- Never exceed the maximum pressure moulded on the tyre sidewall, even though the pump can go higher.
- Lithium battery: charge from a standard USB charger, never in a car in the sun or near a heat source. Do not open or pierce it.
- Do not immerse the pump and do not cover its vents while it is running.
- Keep the needle and small adapters out of children's reach.

BEFORE THE FIRST RIDE

Charge the pump fully (under an hour and a half) and try it at home on each of your bikes: you will know which adapter to fit and which target to set before you need it at the roadside.

02 · GETTING STARTED

CONTROLS, DISPLAY, MODES

The controls

Power	The top button switches the pump and display on, starts and interrupts inflation.
+ and –	The double button in the middle raises or lowers the target pressure before you start.
Mode / light	The bottom button changes mode (bike, motorbike, ball, manual) and controls the LED light.
Display	Actual pressure in large digits, PSI or bar unit, battery level and the icon of the active mode.

What this manual does not cover

The exact sequence for switching units (PSI or bar), or the difference between a short and a long press, is not detailed in this manual. Do a first test on an already inflated tyre to get used to your unit. If a control does not match this manual, write to us via velkyne.com/contact and we will reply with the details.

CHECK THE UNIT BEFORE YOU START

1 bar = 14.5 PSI. A target of 6 set in PSI instead of bar leaves the tyre almost flat; always read the unit shown next to the figure and compare it with the sidewall marking.



The flexible hose screwed onto the valve: the pump stays in your hand and the valve takes no strain.

The four modes

MODE	RANGE	STARTING VALUE
Bike	30 to 150 PSI	45 PSI
Motorbike	25 to 45 PSI	35 PSI
Ball	4 to 16 PSI	8 PSI
Manual	3 to 150 PSI	free setting

The starting value is only a starting point: set the target to your own tyre pressure with + and –. Manual mode covers anything outside the preset ranges.

Fit the right head

1. **Identify the valve.** Presta: narrow valve with a small nut at the tip (road, gravel, most MTBs). Schrader: wide valve, as on a car.
2. **Screw the hose onto the pump,** then the Presta or Schrader adapter onto its head, by hand, without forcing: the seal does the sealing. For a ball, screw on the needle and moisten it.

03 · PROCEDURE

INFLATING A TYRE

1. **Open the valve.** Presta: remove the cap, unscrew the small nut all the way and press it for a second, a puff of air confirms the valve is free. Schrader: just remove the cap.
2. **Screw the head onto the valve,** straight in line, until it stops leaking. On a Presta valve do not bend the stem: it is fragile.
3. **Switch on, pick the mode** with the bottom button, then set the target with + and −, from the tyre sidewall or the table opposite. Check the unit.
4. **Start inflating.** The pump runs, the display tracks the pressure and everything stops on its own at the target. Hold the pump by its shell, resting or in hand, without pulling on the hose.
5. **Unscrew the head straight away,** by its collar: it is hot. A short hiss on removal is normal. Tighten the Presta nut, put the cap back.
6. **Check by hand** and, if in doubt, screw the head back on: the display shows the actual tyre pressure. Adjust in small steps.

Pressure guide

USE	PSI	BAR
Road, 25 to 28 mm tyre	75 to 95	5.2 to 6.5
City, hybrid, 35 to 47 mm	50 to 70	3.4 to 4.8
Gravel, 38 to 45 mm	35 to 55	2.4 to 3.8
MTB, 2.2 to 2.4 in	22 to 32	1.5 to 2.2
Football	9 to 15	0.6 to 1.1

General guide values. The range moulded on the tyre sidewall prevails; rider weight, actual width and tubeless set-ups shift it. 1 bar = 14.5 PSI.

TUBELESS TYRES

Put the valve at the top of the wheel so sealant does not flow back into the head. This pump adjusts the pressure of a tubeless tyre already fitted; to seat a new tyre on its rim you need the flow of a compressor or a charger pump.

BIG INFLATIONS

From flat, count on up to two 700 × 25 road tyres per charge (manufacturer's figure); a top-up of a few PSI uses next to nothing. Let the pump cool between two tyres inflated from flat: a compressor gets warm, that is normal.

04 · LONG TERM

BATTERY, CARE, TROUBLESHOOTING

Battery

- Charge over USB-C from a standard USB charger (5 V, 1.5 A) with the supplied cable: under an hour and a half for a full charge.
- Charge before a ride rather than after it fails: the display shows the battery level.
- If the pump sits unused for months, top it up every two or three months and store it away from frost and heat.

Care

- Wipe the pump and heads after use; a damp cloth is enough, never a solvent.
- Rinse a head that has taken tubeless sealant with water, then dry it.
- A head that leaks despite being screwed on straight often has a worn seal: replace it with the spare seal supplied.
- Store it dry, with its cable, hose and adapters, in a saddle bag or backpack.

If something goes wrong

SYMPTOM	LIKELY CAUSE, FIX
The pump does not switch on	Flat battery: charge it fully
Display stays at zero on an inflated tyre	Head not tight or Presta valve closed: open the nut, re-tighten
Air leaking at the head	Head crooked or seal dirty or worn: unscrew, clean, screw back straight; replace the seal
Stops before the target	Low battery or very hot pump: recharge, let it cool
Tyre goes down afterwards	Presta nut or cap not closed; otherwise a punctured tube or tyre

On video

Independent tutorials on inflating and pressure, scan to watch.

How to inflate a bike tire with a Presta or Schrader valve
The Mark List · English

How to pump a Presta valve
Cycle Maintenance Academy · English

Need help?

velkyne.com/contact
Our team answers your questions about use, adapters and the battery.

Pick the mode, set it, start it.
The right pressure is not the highest one: it is the sidewall range, adjusted to your weight and the terrain. The pump takes care of the rest.

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