

# ***APACHE***

USER MANUAL  
FOR E-BIKES



Congratulations on purchasing the e-bike from

***APACHE***

We wish you many effortless kilometres and many unusual experiences.

We strongly believe that you will be satisfied with your e-bike.



## WHAT IS AN E-BIKE AND WHAT IT CONSISTS OF

Any bike equipped with an electric motor, electronic central unit and battery is considered an e-bike. The drive unit fills the role of something of a helper that helps the rider with pedalling and cares for his comfort. At the same time the motor's help will activate only if the rider is pedalling and actively turning the cranks. The crank movement is read by a special sensor placed in the bottom bracket. Maximum speed of an e-bike with motor assistance is ca. 25 km/h. After reaching this speed the motor automatically turns itself off and you continue as with any normal bike. If the battery runs out or if the electric motor is turned off, you can still continue to your goal using your own strength without any further resistance.

Electric motor can be set in motion also via control button or accelerator, but only up to maximum allowed speed of 6 km/h. This function is usually called walking assistant and it is useful for any manipulation with e-bike. Reaching higher speeds is impossible without active help from the rider. Every e-bike that conforms to European norm EN 15194-1 is, from the point of the Road Traffic Law, considered a normal bike. You don't need a driver's license for an e-bike like this, you can freely ride on cycling trails and cycling helmet is mandatory only up till 18 years of age. We still strongly recommend the use of cycling helmets to all e-bike users without distinction.

### Technical data of an Apache e-bike:

Rated power of the motor	250 W
System voltage	36 V
Operational temperature	0 / +40 °C
Storage temperature	-10 / +50 °C
Protection degree IP 54 (protection from dust, splashing water)	



1 Only models with mechanical brakes.

2 Battery can be placed on the frame tube, behind the seatpost or in the carrier.

3 Motor can be placed in the rear wheel, front wheel or in the bottom bracket.

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# BASIC INFORMATION FOR E-BIKE USE

## IMPORTANT!

**Check the functionality of brakes and state of charge of the battery before every ride.  
Always wear a cycling helmet when riding an e-bike!**

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### RIDING AN E-BIKE

You can ride an e-bike the same way as a normal bike. You just have to drive off and pedal. Motor will activate itself after the cranks start turning and works according to set assistance mode.

The motor turns itself off automatically if the rider brakes. This is not true for models with hydraulic disc brakes, as their levers are not equipped with all necessary sensors.

Motor of these models turns off after two seconds after you stop pedalling.

Once you reach the speed of 25 km/h, the motor automatically turns itself off and activate again when the speed goes under this limit.

Motor also doesn't work when you're not pedalling or turning cranks backwards.

## IMPORTANT!

**Long-term riding with low motor speed and high mode of assistance can lead to overheating and, in case of excessive load, even to damage of the motor. If this happens, we strongly recommend to reduce the mode of assistance.**

**E-Bike's function can be influence by external electromagnetic forces (i.e. radars, etc.).**

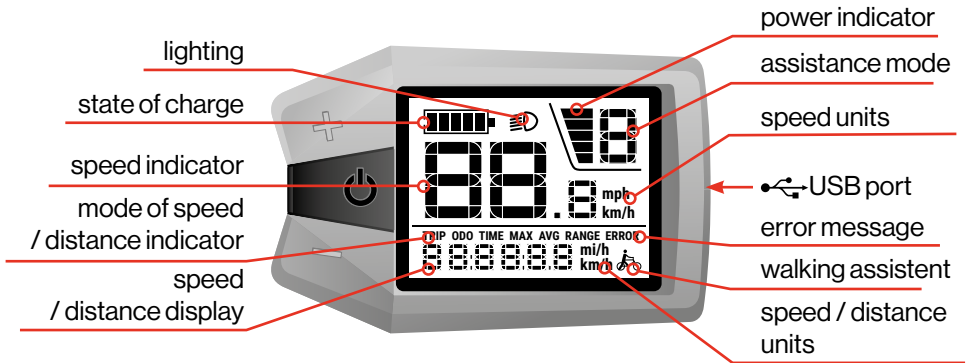
## ADVICE

**In case of troubles with changing gears to lighter or heavier gear we recommend additional installation of "Gear sensor" that disables the motor for a short while during the gear change. The gears then don't change while the motor is using its full power, which is considerate not only to the motor itself, but also to other components.**



# CODAC – E-BIKE CONTROLS

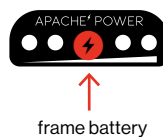
Tuwan E3, Tuwan E5, Yamka E3, Yamka E5, Tate, Matto Tour E3, Matto Tour E5, Matta E7, Matta Tour E3, Matta Tour E5, Matta E7, Wakan Tour E3, Wakan Tour E5, Wakita Tour E3, Wakita Tour E5, Wakan City, Wakita City, Tocho Plus, Tocho Plus+




## TURNING ON AND OFF

### 1. Turn on the power on the battery.

Activate the battery by pushing a button on its body.





### 2. Turn on the LCD panel of the e-bike

Press the  button on the display controller and hold for 5 seconds.

This will also turn off the electric system.

For turning off a frame battery, hold the button for 4 seconds. The system will turn itself off automatically after 10 minutes of inactivity for energy-saving reasons.


## SETTING OF THE ASSISTANCE MODE

To change the mode of assistance in range of 0-5 shortly press buttons  and . Highest mode of assistance is marked with number 5, lowest marked 0 is without electric motor's assistance.



**During a ride with low engine speed and high assistance mode the motor can start vibrating for a short time. In such a case we recommend to immediately decrease the level of assistance.**


## WALKING ASSISTANT

Walking assistant can be activated by pressing and holding the  button on the control display. For activation of the assistant assistance mode must be set to 1-5. This function serves to enable easier manipulation with e-bike, usually when walking the bike by your side. The e-bike speed will be between 4 and 6 km/h. Walking assistant will be turned off immediately after letting go of the button.








**WARNING: Do not block the e-bike after the activation of the walking assistant. The motor can get damaged that way.**

## SPEED AND DISTANCE INDICATOR MODE CHANGE


Change of information displayed on the display can be done by short press of the button . Information shows in this order:







## ERASING TEMPORARY DATA

To erase the temporary data (trip, time, avg, max) twice push the button . **rES** will show on the display. Pick option  with buttons  and  and confirm with button .

## TURNING ON THE LIGHTING (IF IT IS INSTALLED)

Turning on the front and rear light is done by pushing and holding the  button for 1 second.

## PARAMETERS SETTING

To enter the mode of parameter setting press twice the  button. To change a parameter, use buttons  and  and for saving the set parameter press the  button.

## USB PORT

The display is equipped with a micro USB port for charging of mobile devices (5V/0,5W). To connect your device with the charging connector, use any adapter or cable with Micro USB-B connector.

**rES** – reset of daily kilometres

**Un** – unit setting (km / mile)

**Ld** – setting of the bike circumference in cm (max. +/- 5 % from the default setting of the circumference)

**bL** – display backlight setting in 1-3 range

**Ls** – speed limit; value 20 means max. assisted speed of 25 km/h

**SPS** – wheel speed sensor signal

**Cr** – value of the electric current

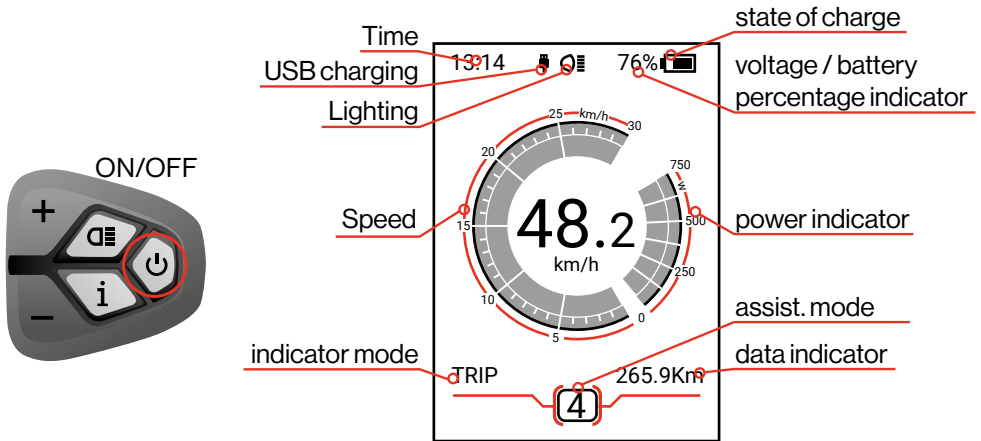
## ERROR MESSAGES

Code	Cause of the problem
0X0000	no error
0X0001	controller power tube or over current
0X0002	controller over heat
0X0004	motor phase
0X0008	motor hall
0X0010	motor over heat
0X020	low voltage protection
0X0040	stall protection
0X0080	throttle
0X0100	over-speed beyond control
0X0200	battery communication
0X0400	pas sensor
0X0800	speed sensor
0X1000	display communication

**If the error remains or a different one shows, contact your seller.**

# TFT COLOUR – E-BIKE CONTROL

(Tuan MX1, Tuan MX3, Tuan MX5, Yamka MX1, Yamka MX3, Yamka MX5, Matto MX1, Matto MX3, Matto MX5, Matta MX1, Matta MX3, Matta MX5, Wakan MX3, Wakan MX5, Wakita MX3, Wakita MX5)




## TURNING ON AND OFF



### 1. Turn on the power on the battery


Activate the battery by pressing a button on its body.

### 2. Turn on the TFT panel

Press the  button on the display controller and hold it for 2 seconds. The system can be turned off the same way. To turn off a frame battery, hold the button for 4 seconds. The system will turn itself off automatically after 5 minutes of inactivity (this time can be adjusted – see Parameters setting further) for energy-saving reasons.


## SETTING OF THE ASSISTANCE MODE


To change the mode of assistance in range of 0-5, shortly press the  and  buttons. Highest assistance mode is marked by number 5, mode without the help of the motor is marked by number 0. After turning on the display the mode is automatically set to value of 1.

 **During a ride with low engine speed and high assistance mode the motor can start vibrating for a short time. In such a case we recommend to immediately decrease the level of assistance.**



## WALKING ASSISTANT

Walking assistant can be activated by pressing the  button, with which you set the assistance to the mode of walking assistant (symbol of walking assistant will appear). Then press the button again and the assistant will be active until you let go. This function serves to enable better manipulation with e-bike, typically when walking with bike by your side. The e-bikes speed will be between 4-6 km/h. Walking assistant will be turned off immediately after letting go of the button.

 **WARNING: Do not block the e-bike after activation of the walking assistant. The motor can get damaged that way.**

## SPEED AND DISTANCE INDICATOR MODE CHANGE

Change of information displayed on the display can be done by short press of the button **i**.

<b>TRIP</b>	→	<b>ODO</b>	→	<b>MAX</b>	→	<b>AVG</b>	→	<b>RANGE</b>	→	<b>TIME</b>
Length of the trip		Total distance		Maximum speed		Average Speed		Remaining range		Total time of the ride

### DISPLAY BACKLIGHT CONTROL

To turn the display backlight on or off, hold the **+** button for 2 seconds. During bad light conditions, the backlight turns on automatically. If it then turns off, it's necessary to turn it on manually. The intensity of the backlight can be set – see Parameters setting further. Doing this will also turn on and off the front/rear lights on Tour models.

### ERASING TEMPORARY DATA

To erase temporary data, proceed according to article Parameters setting. You will get to erasing of temporary data through “Display setting” and “TRIP reset” (as soon as the line TRIP reset is highlighted, press the **i** button and set the “YES” value via **+** and **-** buttons. Then confirm it by the button **i** and temporary data will be erased). Temporary data will be automatically erased after reaching 99:59 h of total ride time. Temporary data won't be erased in case of turning the display off.

### PARAMETERS SETTING

To enter the parameters setting mode press the **i** button twice with interval ca. 0,3 seconds. To switch between different menu items and the parameters setting change use buttons **+** and **-**. To confirm your choice, press the **i** button. To end the parameters setting mode, press the **i** button twice with interval ca. 0,3 seconds. In case of inactivity for 10 seconds the parameters setting mode ends automatically.

### ITEM DISPLAY SETTING

**Unit** – unit setting (km/mile)  
**Brightness** – display backlight intensity setting (10, 30, 50, 75 or 100 %)  
**Auto Off** – setting of automatic display shutdown (1–9 min)  
**Max Pas** – setting of assistance number (3/5/9)  
**Power View** – setting of power indicator format (power/torque)  
**SOC View** – setting of battery indicator format (percentage/voltage)  
**TRIP reset** – temporary data erasure (TRIP, MAX, AVG, TIME)  
**AL Sensitivity** – setting of light sensitivity (0 – 5, 0 = switched-off sensitivity sensor)  
**Set Clock** – time setting  
**Back** – back

### ITEM INFORMATION

**Battery info** – general information about the status and attributes of the battery  
**Error Code** – general information of carried-out error reports (max. 10 items)  
**Back** – back

Setting items can differ according to the version of display software.



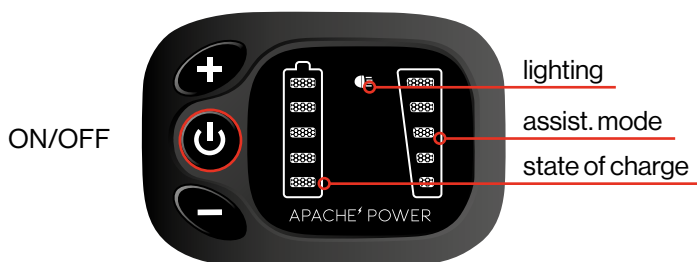
## ERROR MESSAGES

Code	Cause of the problem
07	Protection from battery overvoltage (check the battery voltage).
08	Error of hall sensor of the motor (check the setting and connection with motor).
09	Error of motor phase cable (check the setting and connection with motor).
11	Error of temperature sensor of the ECU (check the setting and connection with ECU).
12	Torque sensor error (check the setting and connection with motor).
13	Excessive battery temperature (turn off the system and wait).
14	Excessive motor temperature (turn off the system and wait).
21	Speed sensor error (check the setting and connection with motor).
22	Error of BMS interface (change the battery).
25	Cadence sensor error (take out the battery and return it, if the error remains, visit a repair shop).
30	Communication error (check all connectors' connection).

**If the error remains or a different one shows, contact your seller.**

# LED – E-BIKE CONTROL

(Tanka, Tanka Nexus, Tocho, Tocho Nexus, Dakotah)




## TURNING ON AND OFF




### 1. Turn on the power on the battery


Activate the battery by pressing a button on its body.

### 2. Turn on the e-bike's control panel


Press and hold the  button on the controller for 5 seconds. The system can be turned off the same way. The system turns itself off automatically after 10 minutes of inactivity from energy-saving reasons.

## SETTING OF THE ASSIST. MODE

You can change the mode of assistance in range of 1-5 by pressing the   buttons. If you want to ride without assistance as if riding a normal bike, turn the system off via the .

 **During a ride with low engine speed and high assistance mode the motor can start vibrating for a short time. In such a case we recommend to immediately decrease the level of assistance.**

## WALKING ASSISTANT

Walking assistant can be activated via pressing and holding the  button. To activate the assistant, the assistance mode must be between 1-5. This function serves to enable better manipulation with e-bike, typically during walking with the bike by your



páteřová baterie




nosičová baterie

side. The e-bikes speed will be between 4-6 km/h. Walking assistant will be turned off immediately after letting go of the button.



**WARNING: Do not block the e-bike after activation of the walking assistant. The motor can get damaged that way.**

## TURNING THE LIGHTING ON/OFF

To turn the lighting on/off, press and hold the  button for 1 second. A symbol of "car's high beams" will appear on the display.

## STATE OF CHARGE INDICATOR

It serves to get an image about the remaining capacity of battery. If all LED diodes are on, the battery is fully charged. In case of lower battery voltage (lower current capacity) and higher momentary load (i.e. riding uphill) the display of capacity on the control panel can fluctuate. More accurate data on the capacity of the battery can be found on the indicator directly on the battery.

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# BATTERY

## ADVICE

**Battery is the most expensive part of the whole bike. Therefore, you should pay increased attention to its recharging, storage and manipulation with it. Battery contains some chemicals that can be dangerous if used improperly. Beware, lithium and its oxides are flammable in contact with moisture.**

**Never take the battery apart. You could easily damage it with wrong procedure. Also, there is a risk of injury because of combustion or even an explosion. Do bear in mind that by breaking the warranty seal you lose the warranty on battery and all of its parts.**



**If the capacity of the battery is too low the motor will cease running smoothly and will start to run irregularly. In that case turn off the electric drive system and continue without its help as if riding a normal bike. Heating of the battery is a regular occurrence, and it is not a defect. The battery is protected by a temperature sensor and in case of its overheating (i.e. because of high outer temperatures) it will disconnect automatically. Wait for it to cool down to operational temperature and then continue in your ride.**

## ADVICE

**Before leaving the e-bike in a public place always lock the battery and take the key with you. You will prevent the danger of your battery being stolen.**

Always have the battery locked during a ride! The battery lock doesn't only serve as a protection from theft, but also secures its safe attachment. Batteries without rocker switches have a function of automatic shutdown after ca. 30 minutes (the period can differ according to the type).

The battery is not able to detect a low consumption of the display, so it can happen that during a long ride with switched off help of the motor the battery will automatically switch off, and so will the whole system. By short-term activation of the help you can prevent these shutdowns.

## IMPORTANT!

**Always turn the battery off before any manipulation.**

# CARRIER BATTERY

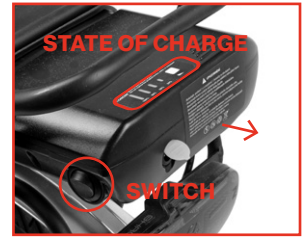
(Dakotah)

**Turning-on:** Turn on the switch on the back of the battery.

**Manipulation:** To take out the battery, turn the key by 180°. Grip the battery by its handle on the bottom of it and pull it out of the carrier. Insertion of the battery is done in opposite order.

## Ascertaining state of charge of the battery:

The state of charge of the battery can be read on the LED indicator on the back of the battery. It is activated by a short press of the button. Battery is fully charged if 4 diodes are glowing (3 green, 1 red). If only the red diode is on, the battery is almost completely flat and it is necessary to recharge it.



# INTEGRATED BATTERY

(Tuan MX1, Tuan MX3, Tuan MX5, Yamka MX1, Yamka MX3, Yamka MX5, Matto MX1, Matto MX3, Matto MX5, Matta MX1, Matta MX3, Matta MX5, Wakan MX3, Wakan MX5, Wakita MX3, Wakita MX5, Tuwan E3, Tuwan E5, Yamka E3, Yamka E5, Tate, Matto Tour E3, Matto Tour E5, Matta E7, Matta Tour E3, Matta Tour E5, Matta E7, Wakan Tour E3, Wakan Tour E5, Wakita Tour E3, Wakita Tour E5)

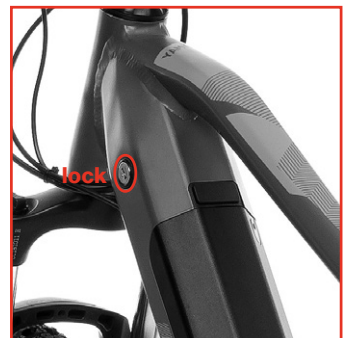
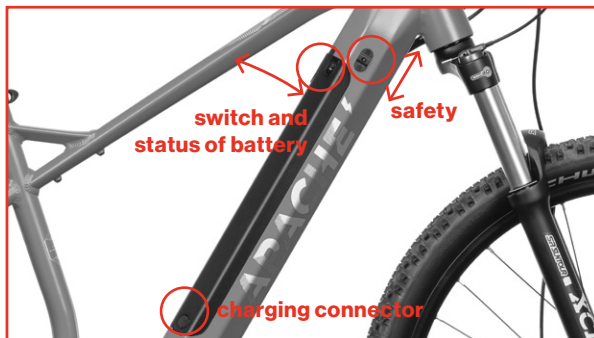
**Turning on:** Turn the battery on by pressing the button on its upper part.

**Turning off:** Press and hold the button for 5 seconds to turn the battery off.

**Manipulation:** To take out the battery out, turn the key by 180°. Move the safety for locking/unlocking of the lock towards the handlebars, grip the battery on the upper part and loosen it by pulling askew and upwards. To insert the battery, first put in on the contacts in its lower part and then press the upper part until you hear the click of the lock's latch, then move the safety for locking/unlocking of the lock towards the seat. Lock battery by turning the key.

## Ascertaining state of charge of the battery:

The battery has only simple indication via 3 colours of LED diodes – red for 0-20% capacity, green for 20-80% and blue for 80-100%. The display can provide more specific information.



# SEATPOST BATTERY

(Gaagii, Gaagii Lady, Wakita Tour, Wakita City, Tanka, Tanka Nexus, Tocho, Tocho Nexus)

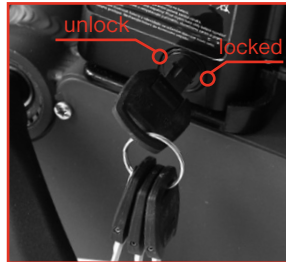
**Turning on:** Turn the battery on with a switch in the upper part of the battery.

**Manipulation:** To take out the battery, first pull the seat post and seat out of the frame. The lock is in the bottom part of the battery. Turn the key into the UNLOCK position and take the battery out by grabbing the handle and pulling upwards.

Insertion of the battery is done reversely. Put the battery with the groove on the leading batten, or it won't go all the way down. Insert

carefully not to damage the connector by sharp impact. To secure the battery turn the key to the LOCK position and take it out.

**Ascertaining state of charge of the battery:** via LED indicator placed on the upper part of the battery that is activated via press of the button. Battery must be on. It is on full capacity if 4 LED diodes are glowing (3 green, 1 red). If only red LED diodes is glowing, battery is almost flat and need to be recharged as soon as possible.



## CHARGING OF THE BATTERY

### ADVICE

**Lithium batteries do not have a memory effect, so you can charge them whenever, ideally after every e-bike use. Considering the automatic discharging that leads to slow loss of capacity, we recommend, in case of long-term storage, to regularly check this and in case of decrease in capacity recharge it to recommended level of 60-80 % of its total capacity.**

Battery can be charge either directly on the bike or you can take it out and recharge separately. Always turn the battery off **before the recharge**. Charge it in a dry environment. Charging connector isn't protected against splashing water. **Recharge the battery ideally in room temperature (15-20°C). Recharging in temperatures lower than 0°C or higher than 40°C can lead to serious damage to battery.**

### PROCEDURE

First connect the charger to the battery, then connect the charger to a power source (230V) and wait until the LED diode on the charger glows red. That signalizes that Charging is underway. Charging stops automatically when the battery is fully charged, still we recommend to disconnect the charger from battery and power as soon as it is done. Diode signaling charging will glow green. Interruption of the process doesn't damage the battery.

## ADVICE

**If you feel that the total capacity of your battery has significantly decreased, it could be because of unsuitable climatic conditions.**

## ADVICE

**Always use just the charger you received with your bike! Use of a different charger could damage the battery or different parts of the electric system, which would lead to warranty becoming void.**

**If the state of charge indicator shows that the battery is flat, there's still minimal voltage in it to prevent damage. Such voltage is insufficient for e-bike operation, therefore charge the battery as soon as possible. Never leave the battery flat for a long time. It could lead to permanent damage.**

## FACTORS INFLUENCING THE RANGE OF AN E-BIKE

E-bike's driving distance is influenced by many factors and because of that it is difficult to determine how many kilometres one bike rides on one charge. Among the key factors are:

- trail profile (flat terrain vs. long steep climbs)
- weather – temperature, headwind (ideal temperature is around 20°C, windless)
- weight of the rider and load (greater weight = greater consumption)
- technical condition of the bike (well-greased and adjusted bike resists less)
- tire pressure (underinflated tires = greater consumption)
- riding style (the more strength you expend, the less the motor consumes)
- chosen assistance mode (higher mode = greater consumption)
- current battery capacity (greater capacity = greater range)

## ADVICE

**To reach the maximum possible range, pay attention to the technical condition of your e-bike and maintain recommended tire pressure. Condition of the battery is also very important, so take care of it according to this manual. Try to use the lowest assistance mode so the ride is comfortable for you, but the battery doesn't needlessly expend its energy.**

**By choosing the proper gear you can increase the range and speed while using the same strength.**

## BATTERY TRANSPORT

Regulations for dangerous load transport are applied to battery transport. Intact batteries can be transported via private users on the road without special requirements. When transporting via commercial users or third parties, special requirements for packing

and marking must be adhered to (i.e. ADR regulations). You should send a battery only when the casing is not damaged. Seal the free contacts and pack the battery so it doesn't move in the packing. Warn the delivery service that it is a dangerous load.

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# BATTERY STORAGE

Store the battery at a dry and well-ventilated place, out of reach of direct sunlight and other heat sources at temperatures from -10 to 40°C (optimally 15-20°C).

If the battery is stored in cold environment, it is necessary to warm it to optimal operation temperature (20°C) before re-activation. Never leave the battery completely flat. That could lead to permanent damage. In case of battery going completely flat, recharge it to half of the capacity and let it cool down. When the battery cools down, recharge it to full capacity.

During long-term storage (i.e. in winter) keep the battery charged to ca. 60-80 % of its capacity. Do not store it permanently connected to charger nor placed on the bike.

Lithium batteries slowly discharge (ca. 5-10 % per month) when inactive.

Therefore, you should regularly check the battery and in case of decrease of its capacity recharge it to recommended level of 60-80 %.


## ADVICE

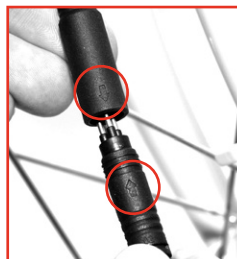
**Li-ion batteries are fully recyclable. After the end of the lifespan of the battery you can hand it over at any collection point or at your seller.**

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# ASSEMBLY AND ADJUSTMENT

Assembly and disassembly of a bike with hub motor. There might be situations in the future, when you will have to disassemble a bike with a hub motor because of transport or servicing. First, disconnect the connector of the motor that can be found circa 20 cm from the entry of the motor. Then loosen the brake shoe (if it's used), change to the smallest sprocket (rear motors), loosen the nut of the motor with a flat wrench no. 18 and take the wheel out of its base. Proceed in reverse order during reassembly.

 **When assembling the wheel with a hub motor, pay attention to proper position of the middle axle. Cable must go into the motor from the bottom. Otherwise water could get into the motor and damage it.**





**When connecting the connector, pay attention so the moulded arrows on both sides of the connector were directed against each other. Use sufficient strength to connect the connector. Insufficient insertion can cause the motor to not work or it can damage the connector.**

## **BRAKE DISC INSTALLATION**

When installing a brake disc, use original motor bolts (M5x8). If you use bolts longer than 8 mm, it will block the inner part of the motor.

### **ADVICE**

**After assembling the bike check the functionality of the brakes and make sure all the threaded fasteners are sufficiently tightened.**

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# E-BIKE MAINTENANCE



**Never submerge the battery, charger or other electronic parts into water or different liquid. Never use a pressure washer when cleaning the e-bike (WAP). Always take out the battery before washing the e-bike.**

## **REGULAR E-BIKE MAINTENANCE**

- Pay attention to regular maintenance of your e-bike. Only then you will achieve its smooth operation, you will lengthen its lifespan and you will secure safety of not just you, but also other road users.
- Keep the e-bike and its components clean.
- Use only recommended and well-trying cleaning materials (i.e. brands Dirtwash or Pure from English manufacturer Weldtite – more at [www.bplumen.cz/weldtite](http://www.bplumen.cz/weldtite)).
- Regularly grease the chain with suitable oils (i.e. brands TF2 from English manufacturer Weldtite – more at [www.bplumen.cz/weldtite](http://www.bplumen.cz/weldtite)).
- If you're using the e-bike during winter, clean it for salt after each ride. Pay particular attention to the battery contacts and other connectors of electronic equipment.
- During any manipulation with e-bike be careful that the cables of electronic system do not get damaged. Damaged cables present a risk of injury by electric current.
- Regularly check proper tightening of all joints and functionality of brakes. Also pay attention to all other components and make sure they're not worn or damaged. Look for cracks on frame, forks, stems or handlebars, damaged cables, damaged battery casing and similar.
- Before repair on a car or inside one, take out the battery from the e-bike.



## ADVICE

If you want to prevent inner tube defects, we recommend using putty for defect prevention (i.e. Dr. Sludge from English manufacturer Weldtite. More at [www.bplumen.cz/weldtite](http://www.bplumen.cz/weldtite)).

## ADVICE

When choosing child seat, bike trailer or car carriers, do consult an authorized Apache seller, concerning the position of drive components, special frame shape and increased weight.

## IMPORTANT!

Unprofessional manipulation with an e-bike out of the scope of this manual, use of unoriginal components (i.e. different battery), tampering with e-bike's construction or with the electronic system can lead to damage of the e-bike and warranty voidance.

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# FREQUENTLY ASKED QUESTIONS

## HOW SHOULD I TAKE CARE OF THE BATTERY?

The best battery care is regular cycling. The more, the better. Optimal condition of battery for the best lifespan is between 20 and 80 % of charging. You do not have to charge the battery first when first using the e-bike, but you can ride straight away. Try to come back from a ride with at least 10 % of battery capacity. If it's completely flat, charge it at first to approximately half of its capacity, leave it to cool down and then charge it fully. In winter store the battery in a dry place with temperature at least 15°C and charged to approximately half of its capacity. Then you just have to check once a month and in case the capacity decreases, recharge it for ca. one hour.

## HOW MANY KILOMETRES CAN I COVER ON AN E-BIKE?

Range can never be precisely determined or guaranteed and it always depends on a few factors – rider's weight, trail profile, electric help use, temperature conditions, technical

condition of the e-bike etc. If you're not sure about the range on a long trip, take the charger.

## WHAT'S THE LIFESPAN OF A BATTERY?

Same as range, lifespan of a battery can't be precisely determined. But there's the rule that the more you ride the e-bike, the more the battery lasts. It has to be regularly charged and spent. We could say that if, given proper care, the lifespan of a battery can exceed 4-5 years. During this time the battery is slowly losing its capacity.

## WHAT TO DO WHEN THE BATTERY STOPS WORKING?

When battery stops working, it's necessary to buy a new one. Apache keeps most of the batteries in stock and in such case we recommend visiting any partner of Apache and buying a new battery. Original battery is fully recyclable, and we recommend to hand it over at a collection point for electric waste.

### **WHAT SHOULD I DO OVER WINTER WITH AN E-BIKE?**

As soon as you stop cycling, store the e-bike in a dry place with temperature of 15-20°C. Take out the battery and make sure that it's been charged to approximately half its capacity, and then store the battery. After month or two it's good to check if the battery hasn't lost its capacity, and if it did, connect the battery to a charger for approximately one hour. Do not leave the battery flat for a long time, it could lead to permanent damage. If you discover your battery is flat, recharge it to half of its capacity and let it cool down. Charge it completely after it cools down.

### **SPEED OF 25 KM/HIS TOO SLOW, CAN I DO SOMETHING ABOUT IT?**

After reaching this speed the e-bike turns off the motor, however the motor doesn't impede the bike and you can pedal as with a normal one. E-bike can be "chipped", to increase the maximum speed when the motor cuts off. In case you want to chip the e-bike, you need to know that it then not eligible for road traffic and all potential sanctions for such use are fully in scope of user's responsibility.

# WARRANTY CARD

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\_\_\_\_\_

frame number

\_\_\_\_\_

battery number

\_\_\_\_\_

date of sale

\_\_\_\_\_

customer's name

\_\_\_\_\_

date of warranty examination

## NOTES

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# E-BIKE WARRANTY

## WARRANTY INSPECTION

To secure full functionality of the e-bike it is recommended to do so-called warranty inspection. That is usually done after cycling 100 or 150 km. During the inspection, all the connections are checked, as well as the brake and gear setting and the electronic system itself. The inspection is done by the seller that you purchased your bike at, and the seller will also confirm it directly in the warranty card. We recommend to carry out the warranty inspection within 3 months from the warranty validation (usually the date of purchase), or after riding ca. 100-150 km. If the warranty inspection is not done, e-bike can be permanently damaged by continuous use. The warranty doesn't have to be acknowledged then.

## WARRANTY CLAIM PROCEDURE

- E-bike or battery warranty claim is to be claimed at the seller you purchased your bike.
- When claiming warranty, show the sales record, warranty card with confirmed warranty inspection and written serial numbers of the frame and battery, state the reason of complaint and describe the defect.

## WARRANTY CONDITIONS

**24 months** on the frame and e-bike components – applies to manufacturing and material defects outside of wear by standard use **12 months** on capacity – nominal capacity of the battery will not drop below 70 % of its total capacity during 12 months from the e-bike's sale. **Warranty period is extended** by the time the product spent in warranty repairs. **Warranty applies only to the first owner.**

## WARRANTY CONDITIONS

- E-bike can be used solely for the purpose it was made for.
- E-bike must be used, stored and maintained according to this user manual.
- The e-bike must be subjected to a warranty inspection within three months since the start of warranty's validity.

## WARRANTY IS VOIDED IF

- it was discovered that the damage was inflicted because of the user (accident, unprofessional manipulation beyond the frame of this manual, unprofessional tampering with the e-bike's construction or electronic system connection, wrong storage, etc.).
- warranty period has expired.
- it's a wear created by standard use (i.e. wear of tires, chain, cassette, chainrings, brake blocks or pads, etc.).

## DISPOSING OF ELECTRIC AND ELECTRONIC DEVICES



Used electric or electronic products (motor, battery, display, sensors, cables) can't be disposed of together with communal waste. For proper disposal, it should be handed over at designated collection points, where it will be accepted for free. Proper disposal of this product you can help save valuable natural resources and you help the prevention of potential negative impact on environment and human health. More information can be claimed from your local authorities or from the closest collection point. Improper disposal of this type of waste can lead to fines or other sanctions in accordance with national regulations.

# CERTIFICATE OF CONFORMITY

# APACHE

Manufacturer:  
BP Lumen s. r. o.,  
Puškinova 546, Úpice 542 32  
CRN: 05565375, VATIN: CZ05565375



**General product designation:** E-bike Apache (Apache pedelec)

## MODEL PRODUCT DESIGNATION:

Tuwan MX1, Tuwan MX3, Tuwan MX5, Yamka MX1, Yamka MX3, Yamka MX5, Matto MX1, Matto MX3, Matto MX5, Matta MX1, Matta MX3, Matta MX5, Wakan MX3, Wakan MX5, Wakita MX3, Wakita MX5, Tuwan E3, Tuwan E5, Yamka E3, Yamka E5, Tate, Matto Tour E3, Matto Tour E5, Matta E7, Matta Tour E3, Matta Tour E5, Matta E7, Wakan Tour E3, Wakan Tour E5, Wakita Tour E3, Wakita Tour E5, Tanka, Tanka Nexus, Tocho Plus, Tocho Plus+, Tocho, Tocho Nexus, Dakotah

**Model year:** 2020/2021

**Function:** Electrically power assisted cycles - EPAC

**BY THIS THE MANUFACTURER EXPLICITLY DECLARES THAT ABOVE-MENTIONED PRODUCTS COMPLY WITH ALL RESPECTIVE REGULATIONS.**

2006/42/EC – directive for machinery

2014/30/EU – directive on the harmonisation of the laws of the Member States relating to electromagnetic compatibility

## Used technical norms and specifications:

EN15194+A1:2017 – Electrically power assisted cycles (EPAC)

ISO 4210-2:2015 – Cycles – Safety requirements for bicycles – Part 2: Requirements for city and trekking, young adult mountain and racing bicycles

In Úpice on 20. 8. 2020

**Representative:** Pavel Bárta m.p., CEO

BP Lumen s. r. o.

Puškinova 546

542 32 Úpice

tel. 499 881 327

IČO: 055 65 375 DIČ: CZ05565375







V1 11/2020

The Apache logo consists of the word "APACHE" in a bold, italicized, sans-serif font. The letters are red and slanted to the right. The logo is centered within a large white circle, which is itself centered on a solid red background.

***APACHE***

[www.apache-bike.cz/en](http://www.apache-bike.cz/en)