



Owner's Manual for Day 6 Electric Bicycles  
with Bafang motor

2019

## **Important**

Please read all information in this manual carefully for your own safety, as well as maximum enjoyment and performance of your Day 6 electric bicycle equipped with a Bafang mid drive motor. Day 6 electric bicycles are designed for on road and light off road use only. Extreme off road use, jumping, racing, or prolonged exposure to the elements may void your warranty and can put the operator at serious risk for injury or death.

## **Before You Begin**

Before you ride your electric bike for the first time, it is recommended that you **charge the battery for 8 hours**. An initial charge will allow for optimum performance throughout its life. Your charger's indicator light may turn green, indicating a complete charge, before the conclusion of the 8 hour period. Allow the charge to continue for the full 8 hours. Subsequent charges will be completed automatically when the light turns green.

## **Range and Performance**

Maximum range on a full charge can vary greatly depending on: battery age, terrain/hills, rider weight, temperature, riding style, wind, riding surface, rider effort, and speed. At 17 mph on a hard surface, with fully inflated tires, and no pedaling your Day 6 electric, with the 13.5Ah battery, should get 33-38 miles; and 40-45 miles with the 17.5Ah battery.

## Tips for Maximizing Range:

Charge battery at room temperature (56-85°F)

It is not necessary to completely discharge the battery. Charging a partially charged battery will have no negative effects.

**Use the bicycle's gears as much as possible. Pedal!**

Maintain proper tire pressure and lube the chain regularly but don't over lubricate.

Operate in temperatures between 40°F - 85°F.

Give your bike a regular tune up at least once per year.

## The Control Panel/Display

**Turn System On.** To turn the system and display ON, press and hold the Power Button for two seconds. The screen will show battery and system status. You are now ready to ride.



**Turn System Off.** Holding the Power Button another two seconds will turn the system OFF.

When riding, the Plus and Minus Buttons on the thumb pad access different levels of pedal assist, from 0-9. In all modes except 0, the throttle is active from stop and provides 100% power. When using pedal assist, the power will kick in when you begin pedaling.



**NOTE: Do not engage throttle when not on bicycle as it will cause bicycle to thrust forward.**

Squeezing brake levers will automatically cut off power to the motor.

**NOTE:** When turning a tight corner, while pedaling, and with pedal assist ON, slightly squeeze the brake levers to disengage the motor.

If the Display does not come on after holding the Power Button, verify that the battery is charged, correctly installed, and the power cord plugged in securely.

If the battery meter is flashing, power assist will not be available or will come and go. This indicates a low battery level and the battery must be charged.

**Walk Mode.** With system ON, press and hold the Minus Button to engage the motor so it moves your bike at walking speed. Useful for walking up hill or in the sand.

**Lights.** With system ON, press and hold the Plus Button to turn on a headlight if it is wired into the system. (not applicable to this system)



**Screen Settings.** When you turn the system ON, **Trip** and **Time** will be the default settings at the bottom of screen. Press the Power Button once, **Trip** will change to **ODO** (odometer). Press again and **ODO** will change to **Range** (miles you have left). Press Power Button again and screen will return to **Trip** and **Time**.

**Reset TRIP:** Hold Plus & Minus Buttons for 3 seconds.

Press Power Button right away and **Time** will change to **Max Speed** and remain for about 7 seconds. Press Power Button again (before **Max Speed** reverts to **Time**) and **Average Speed** will appear and remain for about 7 seconds. **Max** and **Ave Speed** always revert to **Time**.



## Setting up the Display

Press the Power Button as quick as you can two times to access Display settings. Use the **Plus** and **Minus Buttons** to move the Cursor on left side of screen up and down. When you get to the function you want to set, press the **Power Button** and the setting will flash.



Use the **Plus** and **Minus Buttons** to choose desired setting. Press the **Power Button** to set the function. Cursor on the left side is now active again and can be moved up and down. These are the **Display Settings**:

**System:** You will probably want Imperial.

**Brightness:** May want 5 in day and 1 at night.

**Auto Off:** Set to shut system off automatically after 1-9 minutes of no use. Or set to OFF to never shut off automatically.

**Battery Indicator:** Off/Percent/Voltage. Probably want Percent which shows battery charge remaining.

**Power Indicator:** Current or Power. Your choice.

**Clock:** Scroll with the **Plus** and **Minus Buttons** and set with the **Power Button**.

**Start Password:** Set this if you want to prevent someone from riding your bike. You will need to enter the password every time the system is shut off or shuts off automatically. If you forget the password, you will not be able to turn on the system. We recommend you leave this feature off.

To access **Basic Settings**, place Cursor just below **Basic Settings** (on the three dots), and press **Power Button**.

These are the Basic Settings:

**Wheel Diameter** - 26" on all Day 6 bicycles, 27" for Behemoth.

**Battery Voltage** - 48V on all Day 6 bicycles

**USB Port** - on or off

Scroll up or down and repeat steps from above.

To access **Advanced Settings**, start on the **Basic Settings** screen and scroll to **Advanced Settings**. Press **Power Button**.

Scroll to **Input Password**. Press **Power Button**.

Password is 1919. Use the **Plus** and **Minus Buttons** to get to 1919 and press the **Power Button**.

These are the **Advanced Settings**:

**Speed Limit:** 10 to 60 mph or 99mph.  
**We recommend this not be above 28mph!**

**Assist Levels:** 3, 5, or 9. Level 9 in the 9 setting is the same power as level 3 if you choose the 3 setting. There will be a smoother transition between levels 1 through 9 using 9 versus 1 through 3 using 3 – but more button pushing. 5 would be the compromise.

Once on **Advanced Settings** screen, scroll up or down and repeat steps from above.

To get back to the **Display Screen**, scroll to **Exit** and press the **Power Button**.

**Battery Life** If used according to the guidelines in this manual, the Li-Ion (lithium ion) battery has an expected life span of 800 full charge cycles. (Four 25% usages equals one charge cycle)

**Extended Storage** Always fully charge the battery before leaving the bicycle unused for extended lengths of time and remove battery from bike. Recharge the battery every 90 days during storage for optimum battery performance.

**Car Carriers** When transporting your electric bicycle on a car carrier, it is highly recommended that you remove the battery to reduce weight and minimize problems caused by adverse weather and road conditions.

**Cleaning** Always keep your system clean and dry. Store your electric bicycle inside or use a cover to protect it from UV and weather damage. If your bike needs to be washed, use a soft damp cloth and a non-toxic cleaner. Avoid high pressure water or compressed air. These can force water and debris into sensitive electronic components and cause a malfunction.

## **Battery Care & Charging**

Avoid using extension cords.

Plug charger into wall first, and then into battery.

The light on the charger should indicate a steady red light while charging.

A full charge should take approximately 4–6 hours, at which point the charger should indicate a steady green light.

When the charge is complete, unplug the charger from the battery, then unplug from wall.

When storing your electric bicycle, remove the battery and never allow battery to freeze!

**NOTE:** You may charge the battery while it is mounted on the frame of the bike. If doing so outside, ensure that the battery, charger, and power cables are protected from the elements. Failure to do so may result in electrocution, injury, or death.

**NEVER allow battery to freeze. This will ruin the battery and is not covered by warranty.**

## Warranty

Day 6 Bicycles warrants that all new Day 6 electric bicycles equipped with Bafang mid drive motor systems and components therein are warranted to the **original retail purchaser** against manufacturing defects in materials and/or workmanship for a period of one (1) year from the date of original retail purchase for the motor and one (1) year for battery, charger, and all other parts.

### Terms of Limited Warranty

This warranty becomes effective on the date of original retail purchase. This warranty is not meant to suggest or imply that the system cannot be broken or will last forever. It does mean that the system is covered subject to the terms of the warranty. This warranty applies only to the original purchaser and is not transferable to subsequent owners or any other party. This warranty is void if the system is subjected to abuse, neglect, improper repair, improper maintenance, alteration, modification, an accident, or other abnormal, excessive, or improper use, at the sole discretion of Day 6 Bicycles.