



# ***KING-METER SW-LCD***

## **DISPLAY USER GUIDE**

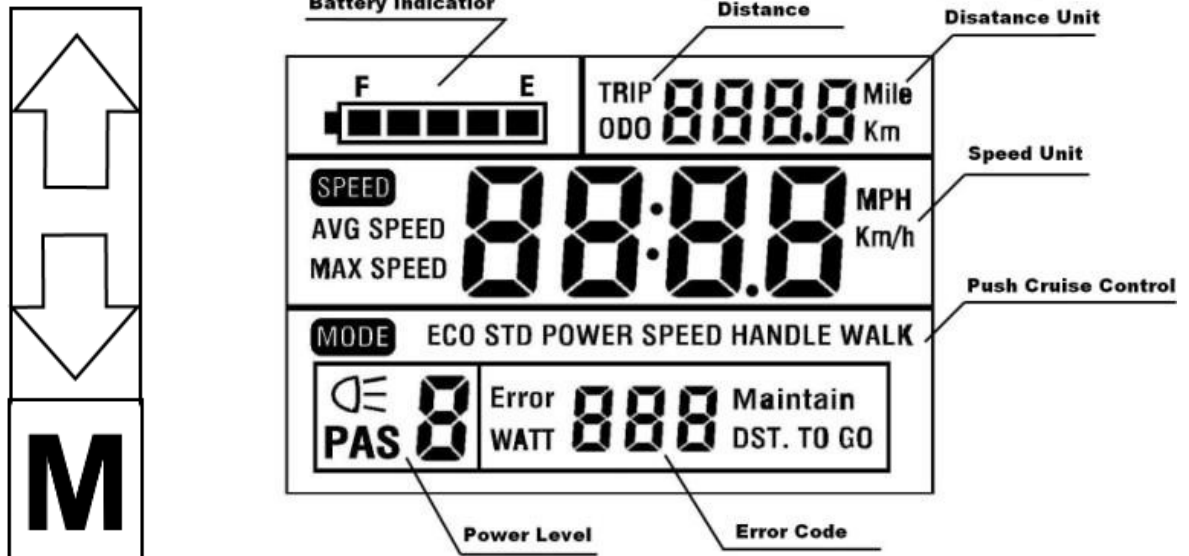
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# **Bintelli Quest**



## Control Buttons

## Display Example (all items lit)



### Startup:

- Press the **MODE (M)** button to start the display.
- Press the UP or DOWN arrows to change your Peddle Assist Levels (PAS)
- Long press the MODE to switch off the power. When OFF, the display and controller will no longer consume battery power. The display will switch off after five minutes of inactivity.

### Settings:

- After startup, hold both the **UP** and the **DOWN** arrows together to enter the settings menu. The settings are preset for U.S. standards, so changes are optional. If you enter settings and make no changes, the display will revert out of settings after a minute of inactivity.
- Use the up or down arrows to select the correct / preferred value, and then press the Mode button to save and progress forward to the next setting.
- The four programmable settings are described in further detail below:
  - Wheel diameter
  - Max speed
  - LCD backlight contrast
  - Metric or Imperial

## Wheel Diameter:

700C for Quest (27.5" wheel diameter).

## Max Speed:

Max Speed Settings are set based on kilometers and range from 12 to 40 kilometers per hour . Multiply by .6 to translate kilometers to miles. Therefore,  $.6 \times 12 \text{ kph}$  is roughly 7 mph on the low side, and  $.6 \times 40 \text{ kph}$  is 24 mph on the high side ( $20 \text{ kph} = 12\text{mph}$ ,  $30 \text{ kph} = 18 \text{ mph}$ ).

### Notes:

- Downhill your speeds can exceed the max speed settings, so be aware of this.
- Speed = motor power (in watts), slope of terrain, physical gearing, and thigh power.
- If you would like a lower power level for PAS levels 1-5, lower the Max Speed. Individual PAS speed levels 1-5 vary based on the Max Speed setting. 40 kph provides the maximum motor speed possible on the Quest on a level surface, and maximum PAS speeds for levels 1-5.

## LCD Brightness:

Level 1 (low brightness) to level 3 (high).

## Speed Unit:

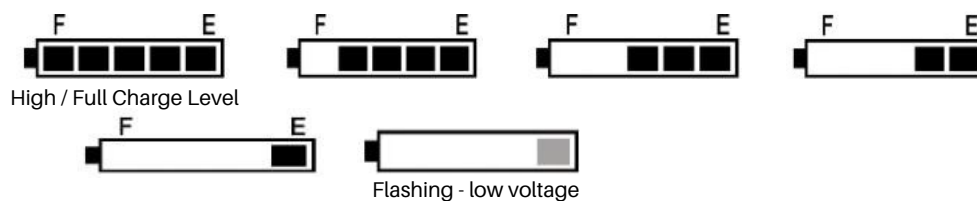
Miles (Imperial) or Kilometers (metric) - U.S. is Imperial, so miles.

## To save settings:

Long Press the Mode button and settings are saved.

## Battery Capacity Display:

When the battery capacity is high, the five battery segments are all lit. When the battery is low on voltage, the last battery segment will flash, which indicates the battery is extremely low on voltage and needs to be charged soon. Never leave the bike in a low voltage state for long periods as it can damage the cells.



## **Display Functions While Riding:**

### **Speed Display (Current Speed/Average Speed/Max Speed):**

When the e-bike starts, the display will automatically show the current speed. Press the UP arrow to show the MAX speed on this ride since powering on, and press it again to show the average speed this ride, and press it again to return to the current speed display (aka speedometer).

### **Pedal Assisted Power Level & Throttle Power Level:**

Press the **UP** or **DOWN** arrow to change the output power of the motor. The power ranges from Level 1 to Level 5, and affect both PAS and the throttle. Level 1 is minimum power, Level 5 is maximum power, and level 0 is no PAS. The startup power level is 1.

### **Distance Display (Riding Distance / Total Distance):**

Press the **MODE** button to switch between riding distance this trip and total distance (ODO).

### **Walk / Cruise Control Mode:**

Press the **DOWN** button for 2+ seconds to get into walk mode, and the bike will travel at a fixed speed of 6Km/hr - recommended only for help walking the bike with you off, on rugged or hilly terrain. Grasp the handlebars tightly!

### **Turn On and Turn Off the Headlight & LCD Light:**

Press both the **UP** and **MODE** buttons for 3 seconds to illuminate the headlight and LCD backlight. Repeat to turn it off.

### **Power Consumption:**

The real time power consumption in watts is displayed at the bottom of the display as you ride - you can observe and watch the motor work for you.

### **Error Code Display:**

The display can show an error code if an electronic problem occurs, and the codes to relay to the mechanic are:

|    |               |
|----|---------------|
| 21 | Current       |
| 22 | Throttle      |
| 23 | Motor Phase   |
| 24 | Motor Hall    |
| 25 | Brake         |
| 30 | Communication |