

## ELECTRIC XP PROGRAMMING AND FUNCTIONS CHART

Options that are in **bold** are the ones you are most likely to change.  
Options in **red** should not be changed unless advised by authorized rep

### Example of Programming Steps

Change top speed

1. Access the settings menu by pressing and holding up and down together until the screen says P1
2. Cycle through the programs by pressing the M (mode) button and use up/down to modify the values
3. In this case go to P08 and change the setting from 32 to 45 (km/h)
4. Press and hold up/down together until the main screen is shown
5. Press and hold the M (mode) button to save the new value and exit program mode

Program number / Function	Defaults	My Settings	Extended description
P01: 1-3 Screen brightness	1-3	3	Backlight Brightness Adjustment, 1 Lowest, 3 Brightest.
P02: mph or kph	1	1	Mileage Unit Setting. 0: km, 1:mile
P03: 48V Voltage	48	48	48V Voltage Selection Setting. 24V 36V 48V
P04: Sleep Timer	10	10	Sleep Time. 0: No Sleep, Other Numbers Are Sleep Time, 1-60 Minutes
P05: PAS levels available	1	1	Power Assist Levels available. 0=0-3, 1=0-5, 2=0-9, 3=0-4, 4=0-6
P06: Tire diameter	20	22.0	Rim Diameter. Mine needed to be set to 25.5 to correct my odometer
P07: Number of speed magnets	1	1	Number of Speed Magnets. Range: 1-100
P08: Max speed	32 (km/h)	45	32 or 45 Speed Limit: 0-100km/h. MAX is 45km/h
P09: Throttle Zero Start	0	0	0: throttle active from standstill 1: throttle active only when already moving
P10: Drive Mode	2	2	0=Pedal Assist only, 1=Throttle only, 2=Both pedal assist and throttle.
P11: 3 Pedal assist sensitivity	3	2	1-24 PAS sensitivity. Higher numbers take more rotation to turn on

P12: 3	3	5	PAS strength 1-5. Higher numbers cause motor to come on stronger
P13: 12 do not change	12	12	Magnet type 5, 8, 12
P14: 18 do not change	18	18	Current limiting. 1-20 amps
P15: 41.5V low volt protection	41.5	40	The lower limit voltage (where the motor cuts off)
P16: Zero odometer	6 seconds		Odometer zero. Long press the upper key for 5-6 seconds
P17: Auto cruise	0	0	Maintain steady speed for 6 seconds to activate
P18: calibrate speedo	100	100	Adjust for rim and tire size
P19: PAS Zero Gear yes/no	0	0	0=no zero gear, 1=has zero gear
P20: comm protocol	0	0	Do not change

## P21 Walk Mode Toggle

1

1

**0: Walk mode disabled 1: Walk mode enabled**

P22

future use

P23

future use

P24

future use

P25

future use

P26

future use

## Options while riding

Walk Mode 3mph

Hold down button for 2-3 seconds

Cruise Control

Hold down button for 2-3 second while throttle is in use

Lights on / off

Hold up button for 2-3 seconds to toggle on / off

Change PAS level

Use Up and Down buttons (short press, one press per level)

Max Speed and Average Speed

Press and hold the up arrow and mode button simultaneously to toggle between the speedometer, max speed, and average speed

error codes

002-brake error

003-pas sensor error  
004-boosting, 6km/h cruise mode  
005-timely cruise mode;  
006-low battery level  
007-motor error  
008-throttle error  
009-controller error  
010-communication receive error  
011-communication sending error  
012-EMS communication error  
013-frontlight error