














Fuel Mode	Temp. Mode	Bar Mode	Symbol Flash	LED Light Up
ON <i>on</i>	ℰ			
	F			
	oFF			
	H!			
OFF <i>off</i>	ℰ			
	F			
	oFF			
	H!			
rES <i>rES</i>	ℰ			
	F			
	oFF			
	H!			
		No Bar Display	No Bar FLASH	No LED Light Up
		No Bar Display	 	 

🔧+Trip or HRT : Maintenance Reminder

1. The maintenance reminder can set by either trip meter or hour meter, and an "off" mode to switch it off.
2. The trip meter maintenance can be set up to 9999km.
3. The HRT maintenance reminder can be set up to 9999 hours.

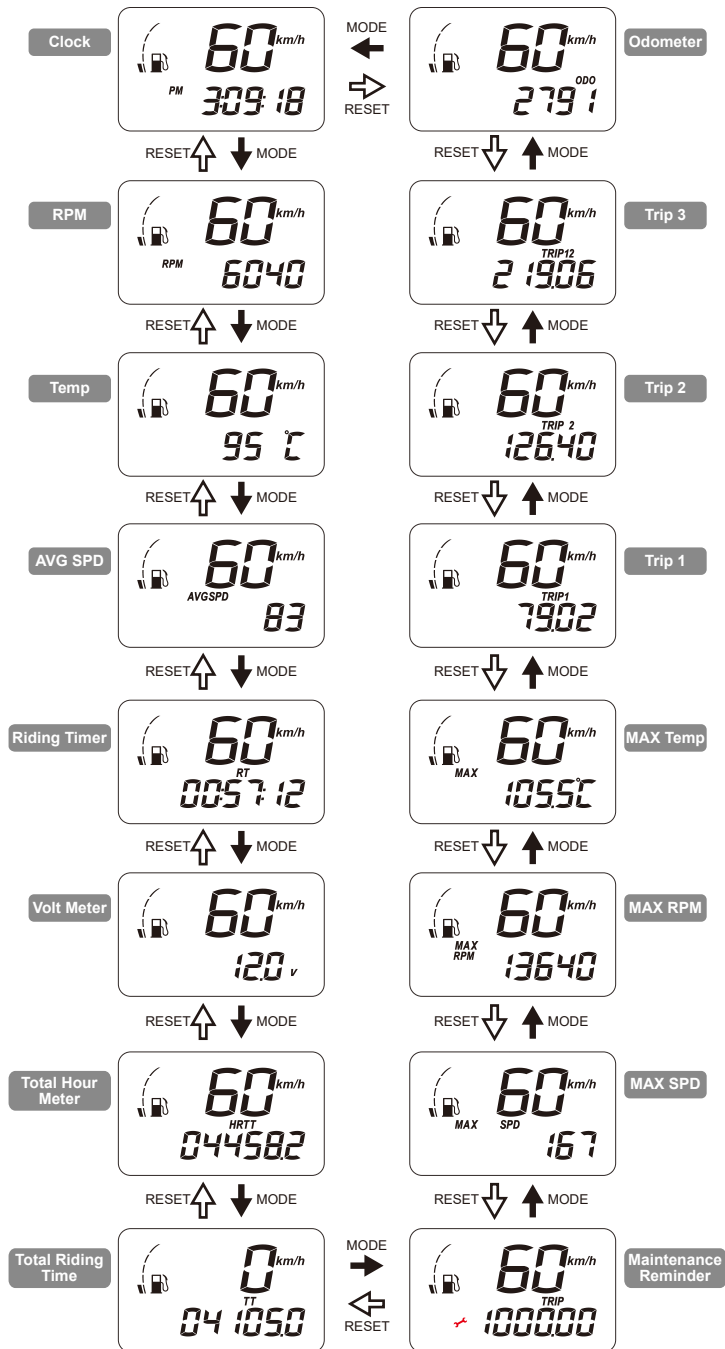
BUTTON OPERATIONS

MODE Button (Right)

Press the MODE button to move between all functions in sequence as “” from one function screen to another.

RESET Button (Left)

1. Press the RESET button cycles through functions in reverse order.



2. DATA RESETTING AND PROGRAMMING MODES

- 2.1 Press MODE or RESET button to reach the desired screen then press RESET button for 2 seconds to reset Trip 2, MAX SPD, MAX RPM and MAX °C/°F data from stored values to zero individually. The maintain reminder data will be reset to the preset value rather than zero.
- 2.2 The data of Trip 1, AVG & RT will all be reset at the same time when one of the 3 data functions is being reset.
- 2.3 ODO, clock, HRTT and TT data cannot be reset.

Shift Warning RPM Operation:

1. Press MODE or RESET button to reach the RPM screen; pull on the throttle until the desired shift warning RPM.
2. Press RESET button to confirm and set up the shift warning RPM.
3. When RPM exceeds the setting value, the shift waring LED indicator will light up to remind you shift gear.
4. Press RESET button for 2 seconds at the RPM screen to re-adjust the shift warning RPM.

Gear Indicator training operations:

1. If using a rear wheel or gearbox speed sensor, put bike on a rolling road or securely mounted centre stand, if measuring front wheel speed the following can only be done if the vehicle is moving.
2. Change the LCD screen to display digital RPM.
3. Press and hold MODE button for 2 seconds to go into the number of gears setting mode.
4. Gear indicator flashes the default "0" gears.
5. Press RESET button to select the number of gear, user can select "4" - "6" gears or "0" to disable the gear function.
6. Press MODE button to confirm the number of gears and go to the number gear ratio setting mode.
7. It displays and flashes "1", shift bike's gear to the 1st gear, run the engine to between 2000 - 4000RPM.
8. Hold the speed and the RPM for about 5 seconds until the "-" flashing. The flashing "-" after the gear "1" means the 1st gear be set.
9. Press MODE button to confirm the set and go to the 2nd gear setting.
10. It displays and flashes "2", shift bike's gear to the 2nd gear, run the engine to between 2000 - 4000RPM.
11. Hold the speed and the RPM for about 5 seconds until the "-" flashes. The flashing "-" after the gear "2" means the 2nd gear is set.
12. Press MODE button to confirm the setting and go to next gear setting.
13. Repeat the same operations as items 11-14 to set other gears until the last gear is set. Press MODE button to return to normal mode.
14. At gear indicator setting mode, press and hold MODE button for 2 seconds to abort the setting if you need to re-set at any setting screen.

WHEEL CIRCUMFERENCE TABLE

1. The details below have been calculated using following formula: Tire Diameter (inches) x 25.4(mm/inches) x 3.1416 = wheel circumference (in mm).
2. Identify the tire size of your ATV/Motorcycle when you need to change different tire size and key in the corresponding number shown in the following chart.








Tire outside diameter	Circumference number (mm)	Tire outside diameter	Circumference number (mm)	Tire outside diameter	Circumference number (mm)
15 inch	1197	19 inch	1516	23 inch	1835
16 inch	1277	20 inch	1596	24 inch	1915
17 inch	1357	21 inch	1676	25 inch	1995
18 inch	1436	22 inch	1756	26 inch	2075

3. These values are approximate and will differ for different brands of tyre, we would always recommend that you measure the distance travelled per revolution of the wheel in mm and enter this into the computer.
4. The computer calculates the wheel rotating length between 2 passes of the magnet; use this table to find the settings when you are using a reed sensor or an universal hall sensor with magnet to measure your speed.
5. If you are using a cable drive speed sensor then enter the number of turns of the cable per turn of the wheel into the pulses screen. The calculated standard value is 715mm.
6. You can use more magnets, enter the number of magnets fitted into the pulses screen.
7. If using a sprocket tooth counter speed sensor or internal pulse gearbox speed sensor enter the number of pulses per wheel revolution into the pulses screen.


Clock, Backlight, RPM, Wheel, Divider, SPD Pulse , Unit, Maintenance, Battery Warning, Temperature, Fuel & ODO Set Up

1. Setup operations include: 12/24hour clock, backlight, shift warning RPM, numbers of engine rotation per signal, SPD sensor, wheel circumference, speed pulses, units, maintenance, battery warning, temperature unit and warning, fuel meter input resistance selection and odometer adjustment. These must be set up step by step. The computer will be automatically revert to normal mode if no button is pressed for 75 seconds at any setting screen.
2. Press both MODE & RESET buttons to go into setting mode. In setting mode, each press of the RESET button increments the flashing digit by 1 or

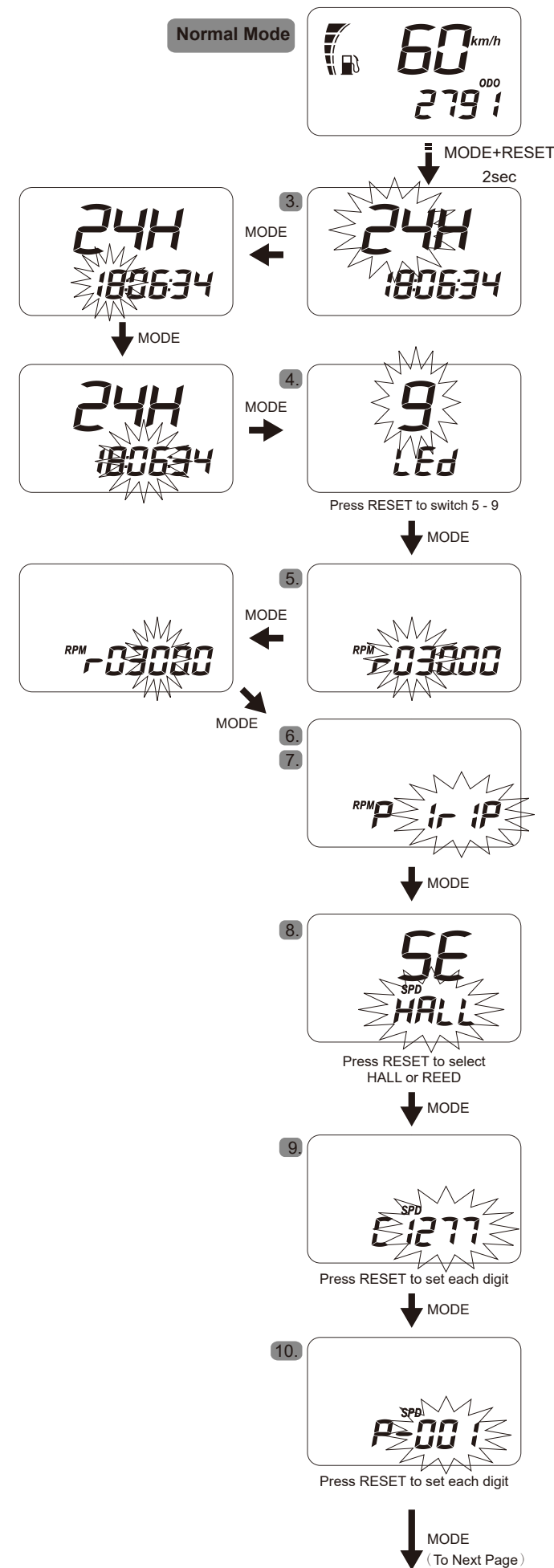
converts units. Press MODE button to confirm the digit setting and jump to next digit or next setting screen to be set. Press MODE button for 2 seconds at any setting screen to finish the setting and go to normal mode.

3. It displays "12H or 24H and XX:XX:XX" symbols and AM/PM when you select 12H. Operate buttons as described in item 2 to finish clock setting and jump to backlight brightness setting.
4. It displays "5 & LED", the flashing 5 can be set from 5 to 9, 5 means the weakest backlight, the more value of number the more brightness. Follow item 2 of button operation to finish the setting and jump to shift RPM warning setting.
5. It displays the default "RPM r06500", the digit "0" flashes. Follow the item 2 of button operation to finish the shift RPM warning setting and jump to engine specification setting.
6. It displays "RPM P 1r1P", the default value is 1r1P; there are 6 options: 1r1P, 1r2P, 1r4P, 1r30P, 2r1P, 3r1P,. "r" means the numbers of engine rotation, "P" means number of signals from engine. For example the value 2r1P means the engine rotates 2 turns to output one signal.
7. Press RESET button to move in loop sequence from one to another value of the 6 values. Press MODE button to confirm the setting and go to speed sensor type screen.
8. It displays SE SPD HALL or SE SPD rEEd, HALL type is for Acewell's unique 2 wires hall sensors only, rEEd type is for reed sensors, gear sensors and signals from ECU. A gear sensor has 3 wires and must be powered from the bike. Follow item 2 of button operation to confirm the sensor type and jump to wheel circumference setting screen.
9. In "SPD CXXXX" display, "C" means "Circumference", following 4 default digits; flashing digit is digit to be set. Follow the item 2 of button operation to finish the wheel circumference setting and jump to signal divider setting.
10. It displays "SPD P-001", the pulses screen, the number of pulses into the computer per turn of the wheel. Follow item 2 of button operation to finish the setting and jump to unit setting.
11. It displays km/h or MPH, each press of RESET button converts unit; press MODE button to confirm unit setting and jump to maintain reminder setting.
12. It displays  and TRIP, HRT or OFF, TRIP is 1000km (621Miles) and HRT is 100 hours by default. Follow the item 2 of button operation to finish the maintenance reminder setting and jump to thermometer setting. The maintenance reminder function will be not be shown when "OFF" is selected.
13. It displays  on and a flashing number of voltage to be set. "on" means battery warning on voltage – when the voltage falls below this the LED will flash, setting range from 11.0 to 14.9V.
It displays  OFF and a flashing number of voltage, "OFF" means battery warning off voltage, setting range from 12.1 to 15.0V to, but OFF voltage must larger than on voltage – when this voltage is exceeded the LED will go off.
It displays  HI and a flashing number of voltage to be set, "HI" means battery warning on voltage – when the voltage is exceeded the LED will come on, setting range from 14.0 to 17.0V. Follow the item 2 of button operation to finish the voltage warning setting and jump to thermometer 1 setting.
14. It displays  °C , °F or HI, or OFF", each press of RESET button converts °C , °F , OFF or HI, the temperature bars will disappear when you select OFF or HI mode; press MODE button to confirm temperature setting and jump to temperature warning setting.
15. It displays  XXX" and the selected unit. Follow the item 2 of button operation to finish the temperature warning setting and go to bar fuel or bar temperature setting.
16. It displays "on, OFF or rES" and .

16.1 If select "on", it displays fuel tank and full bars as well flash XXXXr in next screen, it means full tank resistance setting, the setting range of "on" from 10r to 1000r. To next screen, it displays fuel tank and one bar as well as flash XXXXr, it means empty fuel sensor resistance setting. Follow the item 2 to select a resistance same as your fuel sender and jump to odometer setting.

16.2 The fuel meter bar will disappear if you select “oFF or rES” mode and the thermometer setting set at “oFF” ; it will display  in case the thermometer set “on or oFF”, bar-thermometer will be displayed instead of bar-fuel gauge at the status. In “rES” mode connecting the input wire to 0v can bring on the fuel symbol instantly.

17. It displays "ODO & 00000X km", the "X" is from odometer testing in factory, follow item 2 to set a desired odometer value and jump to clock setting or return to Normal Mode. **⚠ This setting screen will disappear when the odometer is over 30km (18.6Miles) or your setting is over 30km.**




↓ MODE

Normal Mode


km/h

Press RESET to select
km/h or MPH

↓ MODE



Press RESET to select
TRIP, HRT or OFF

↓ MODE

A digital display with a black background. At the top, the word "ON" is shown in large, white, blocky letters. Below it, the number "12.0" is displayed in the same style. To the right of the number "12.0" is a small, white battery icon. The entire display is framed by a white, jagged, starburst-like border.

MODE



OFF 130

↓ MODE

A digital display showing 'HI' in large black digits. Below it, '15.0' is shown in a smaller font, surrounded by a starburst graphic. To the right of the '15.0' is a small orange battery icon.

↓ MODE



Press RESET to set
°C, °F, OFF or HI

Select " °C " or " °F "

MODE




MODE

9



Press RESET to set on, oFF or rES

MODE
2sec



Press RESET to set each digit

↑ MODE



↑ MODE

MODE

Select "on"

16

Select "oFF or rES"