BINTELLI
Fusion
Display Operation - "750C" LCD

Use these instructions to understand the Fusion's color display operation, and to change its programmable parameters to your liking. It is pre-set to common U.S. settings, and the correct settings for the Fusion controller, so you don't need to reprogram.

If seeing it done helps - you can search on Youtube for "750C LCD". You will see "walk-throughs" there on programming bikes with this display.
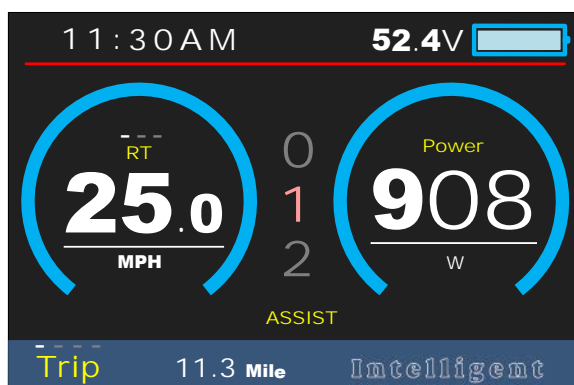
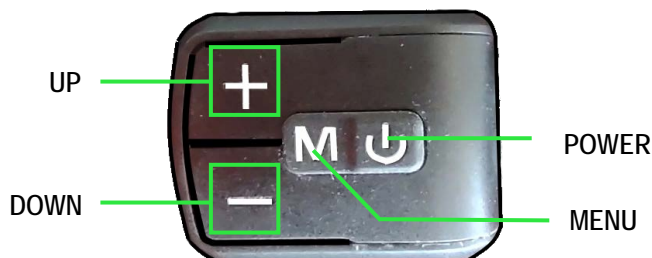Here is an example of a one of those search results - a partner programming it:

https://www.youtube.com/watch?v=8qIDLqODJdw&t=70s

Fusion LCD Features

✧ **Display:** 3.2 inch color display screen.

✧ **Control:** External control buttons; plus, minus, menu, power

✧ **Speed display** - rotates**:** Speedometer, Avg Speed, Max Speed.

✧ **Miles or Kilometers:** Selectable.

✧ **Smart battery indicator:** Current battery charge level.

✧ **Peddle Assist ranges:** Selectable - 3, 5, 9, 6.

✧ **Trip indicator** - rotates**:** Odometer / Trip distance / Clock / Riding time / Range.

✧ **Power indicator:** Real time power indicator, either digital or analog.
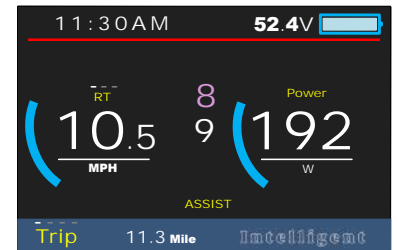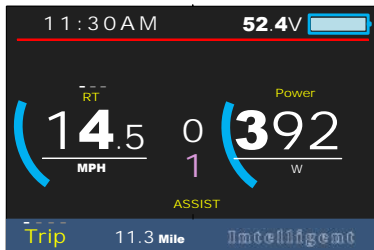
Your Dashboard Display

Control Buttons

Power On/Off

Press and hold the Power button for approximately 1 second to turn on or off the display. When powering on, you see the Welcome banner, and when powering off, the Good Bye banner. The display automatically shuts down if there is no operation or peddling, with the length of timeout being selectable (from zero to 9 minutes).

Note: If the display was previously programmed to ask for a password when powered on, you will need to input the correct password before starting.

Assist levels

Short press the plus or minus buttons to change the peddle assist levels (PAS),
based on your preference as you ride. The initial default settings include
5 levels, and level zero (throttle is still available in PAS zero).

Speed mode switch

Press the MENU (M) button to change the speed mode displayed between the
Speedometer (RT) -> AVG Speed -> MAX Speed.

NOTE: If there is no operation for 5 seconds, the display will return to the Speedometer (RT = real
time) display automatically.

Mileage mode switch

Short press the POWER button and change the mileage mode displayed
between the Trip -> ODO -> Time -> Range.

Backlight On/Off

Press and hold the UP button for approximately 1 second - this will turn on the screen backlight.

Walking mode (6km)

Press and hold the down arrow button for approximately 1 second to engage the motor in "walk"
mode. To stop walk mode, release the button. Walk mode provides a lower level of motor power to the
wheel, enabling the driver to be off the bike, gripping the handlebar, and having some motor help going
up a steep hill or on loose terrain, where riding on the seat might not be possible. Be alert with this
capability - it can be handy when needed, and grip the bike strongly.

Clear Current Trip Data

Press and hold the UP & DOWN buttons together for 1 second to reset several stored pieces of
temporary data, including the current TRIP data / the AVG Speed / the MAX Speed / and the Time.
Note: The TRIP data is not cleared by powering off, but by doing this.

Programmable Menu Settings - How to Use

Quickly Double Press the Menu (M) button to view and to begin modifying your settings from the
dashboard display. The two setting areas are titled DISPLAY SETTINGS and BASIC SETTINGS.

When in the Menu, quick press the POWER button to change between the two programming areas - the Display Setting and the Basic Setting. The two areas are pictured here:

"DISPLAY SETTING"   **"BASIC SETTING"**

MENU	
Display Setting	**Basic Setting**
➡ System	Imperial
Brightness	‖‖‖
Auto off	OFF
Scenes	Digital
Battery Ind	Percent
Clock	>
EXIT	

MENU	
Display Setting	**Basic Setting**
➡ Wheel	20 inch
Battery	48 V
Start password	>
Advance setting	>
Factory setting	>
Information	>
EXIT	

Navigating the settings:

- To return to the dashboard at any point, quickly double press the M button to exit the menu and return to your speedometer.

- Use the up and down arrows to move to an item you are programming.

- Once the arrow is pointing to an item setting, Quick Press the M button to go into the setting, use the up or down arrow to change the item's setting, and then press the M button again to save the new setting for that item.

- Use the minus button to proceed below to the next item (or plus to go back up), and repeat the item setting process, or proceed to the Exit option at the bottom.

- At the Exit option at the bottom, quick press the M button to save the settings and return to the dashboard. Your changes will now be in effect.
    Note: The Display automatically exits the menu when there is no operation
    for 30 seconds, and the settings MENU is unavailable when riding.

The Display Setting Values (set these to your viewing preferences):

- System : Imperial or Metric
- Brightness: LCD backlight (from 1 (low) to 5 (high) bars)
- Auto Off: 1-9 minutes; default is 5 minutes
- Scenes: Digital or Analog on the display
- Battery Indicator: Voltage, Percentage, or no battery level display
- Clock: Set to display the proper date / time

The Basic Settings (preset for the Fusion - must be accurate to operate properly):

- Wheel: 20
- Battery: 48 volt
- Password: Can be set on or off to require a Password to operate (1919 is default)
- Advance Settings: Enter the password to set these (1919)
    - Speed limit: This setting is in kilometers, even if the System is set to display in Imperial: choose to set from 10km/hr~60km/hr, & 99km/h (maximum bike speed on the flat).
    Note: (miles = .6 kilometers, and your maximum speed can be limited by motor gearing and power on the flat - you can go faster and exceed your maximum setting going down a steeper hill). In the U.S., a Class 1 should be set at 34 (20 mph), and Class 3 at 46 (28 mph).
    - Assist levels (PAS): 3 / 5 (default) / 9 / 6)
    Note: Selecting 3 PAS levels spreads the motor power in thirds, so a large difference exists between 1 (low), 2 (medium), and 3 (high).   5 levels is the default, and 9 spreads the PAS difference across smaller increments and requires more presses to get from low to high power assist.
    - Factory default setting: Select this to restore the settings to the original
    - Information: Select this to observe stored information, including the Product version info and Battery Info.

Requiring a password:

    Note: If choosing to require a password on start up, you will then need to input the correct password after power on, within 30 seconds, or the display will power off automatically. It will power off also if the password is entered incorrectly three times. Make sure to write down and remember your password!

Error Codes

If an electronic problem occurs with the Fusion, a warning will be displayed, ⬜ and an error code will show at the bottom of the display. You will want to note this and communicate with the bike service center to help identify and fix the problem:

Error Code	Error description	First Step
4	Throttle turn back	Check the connection.
5	Throttle	Check the connection.
6	Under voltage	Charge the battery
7	Overvoltage	Charge the battery
8	Hall Sensor	Check the connection
9	Three-phase power	Check the connection
10	Controller overheat	Stop using 10 minutes & restart
11	Motor overheat	Stop using 10 minutes & restart
12	Sensor	Check the connection
13	Battery temperature	Stop using 10 minutes to restart
14	Motor temperature sensor	Check the sensor
15	Controller temperature sensor	Check the sensor
21	Speed sensor	Check the sensor
22	BMS Communication	Check the connection
23	Headlight	Check the connection
24	Headlight sensor	Check the connection
25	Torque signal	Contact the service center
26	Torque sensor speed	Contact the service center
30	Communication	Check the connection