

INTUITION DISPLAY

User Guide



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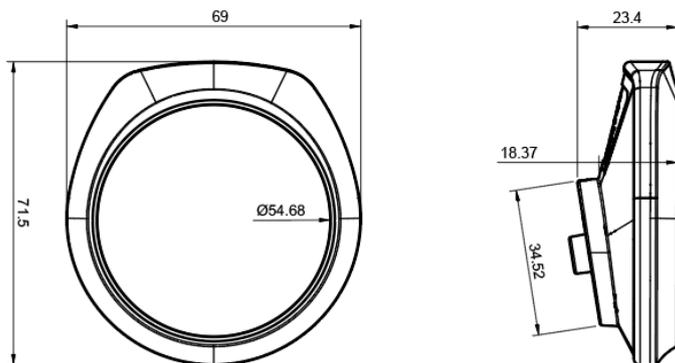
Intuition Display User Guide

Product Details

- Color screen LCD display for electric power assist bikes
- Product model : CYC ID001
- CAN communication
- Equipped with Find My network function in hardware.

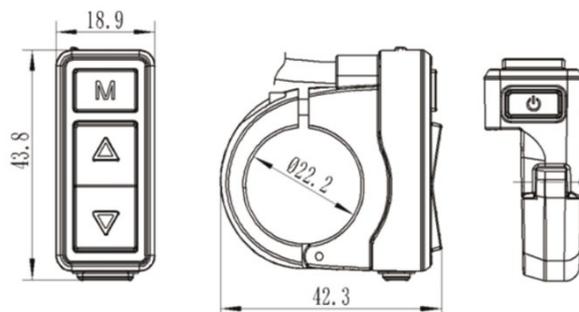
Features

- The window uses imported tempered glass.
- High-brightness 2.1-inch high-definition, high-brightness, full-viewing-angle IPS color LCD screen.
- Special bonding process is used to ensure visibility for outdoor use.
- Independent operation switch, button design combined with ergonomics.
- Excellent outdoor waterproof design, can achieve IP65 or higher waterproof capability.



Dimensions

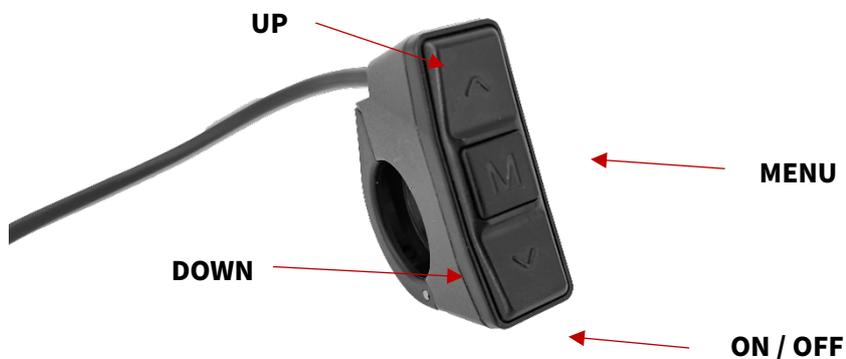
L 72mm x W 14mm x H 90.6mm





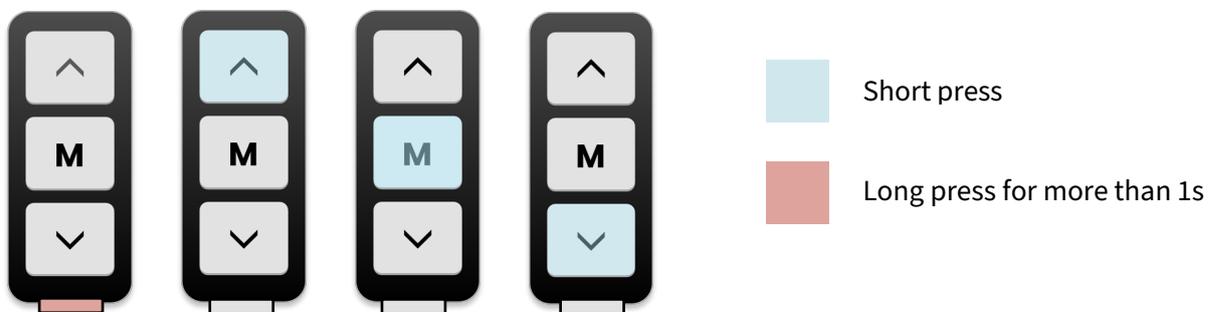
Functionalities

Press and hold the POWER button for 3 seconds to turn the display on/ off.



Navigation

The MENU button is used to go into your main settings page & your clear data page. It is also used to enter and select a setting or function.





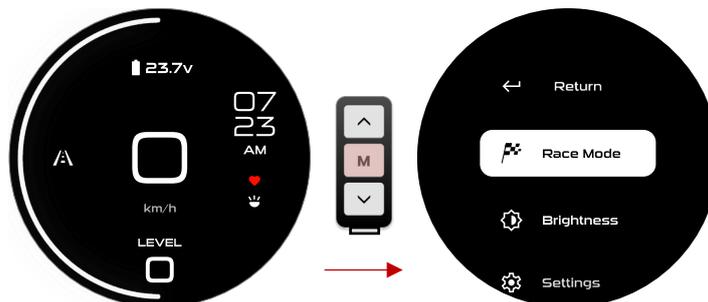
Switch View

Switch between *Casual*, *Human Performance*, and *Bike Performance* view by pressing the MODE button to display different information. Current settings will not be affected when switching views.



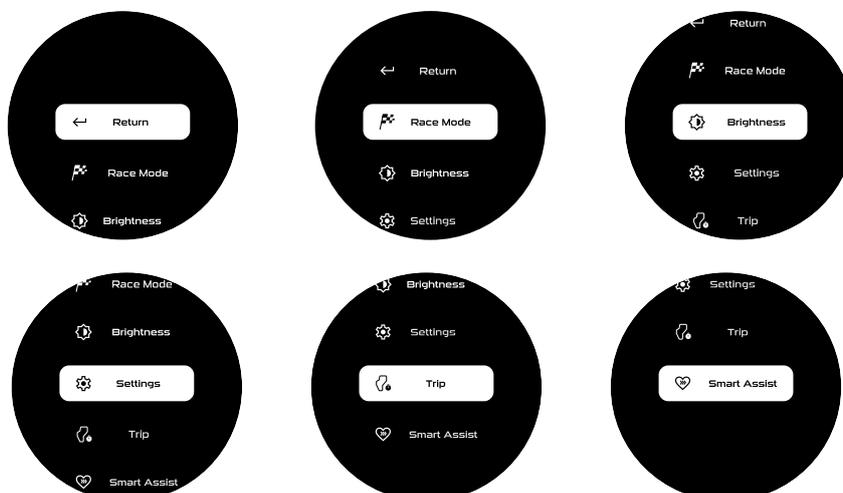
Main Menu

Long press the MENU button to access the main menu where you can switch between race/street mode, change display settings, brightness settings, and trip record via pressing the UP or DOWN buttons.



Settings

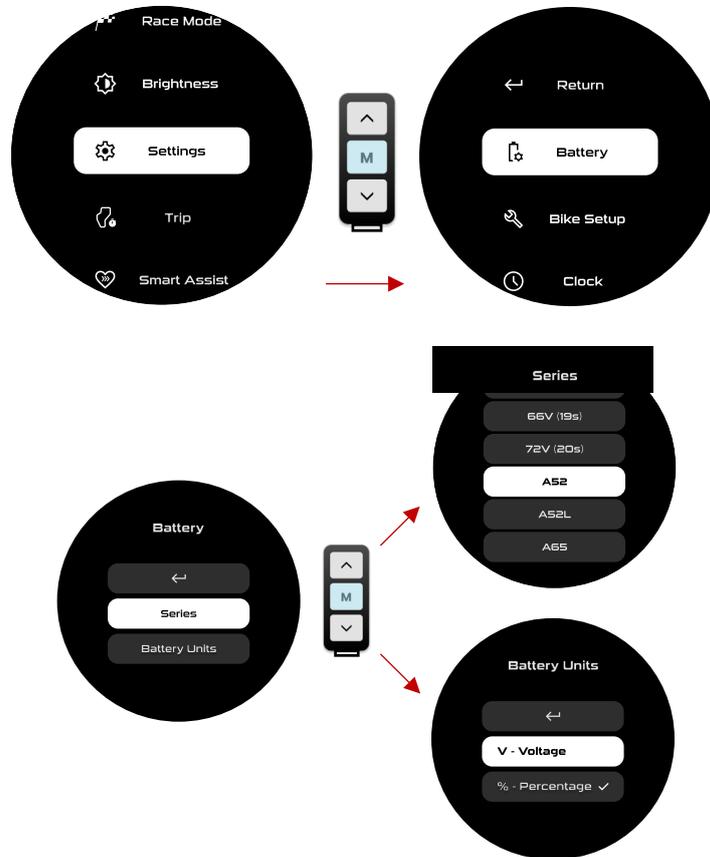
Inside the Settings page, you can adjust battery settings, bike setup, system information, connectivity, and clock settings.





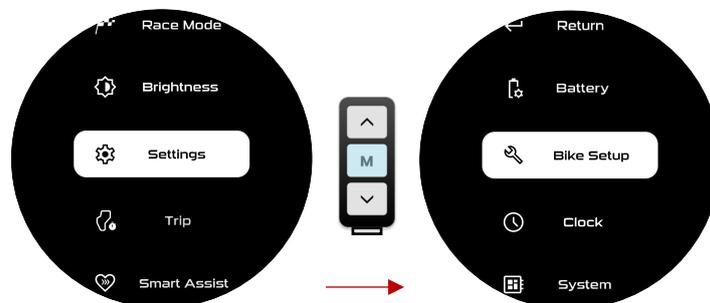
Battery

Short press the MENU button on the Battery icon to access the battery page. You can adjust the battery unit on your display to show voltage (from 36V-72V) or percentage.



Bike Setup

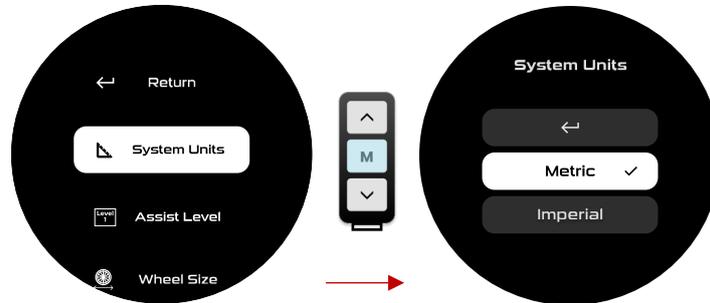
Short press the MENU button on the Bike Setup icon to adjust different bike related settings. You can adjust Unit, Assist Level, Wheel Size and Auto Off.





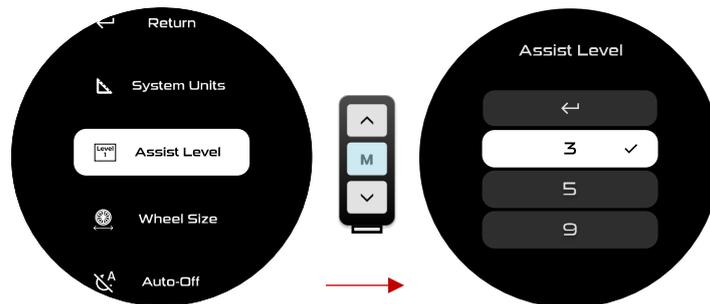
Unit

Short press the MENU button on Unit to change the unit shown on the display to either Metric or Imperial.



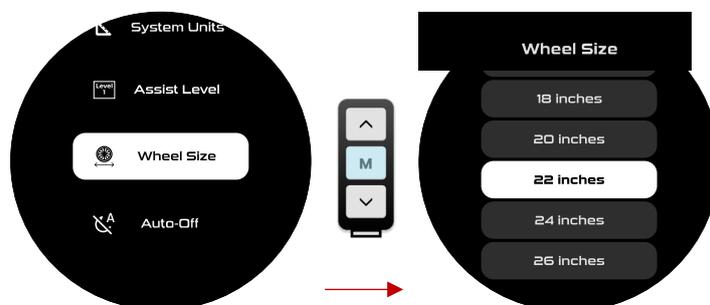
Assist Levels

Short press the MENU button on Assist Levels to change between assist levels. You can change between 3, 5, and 9 assist levels.



Wheel Size

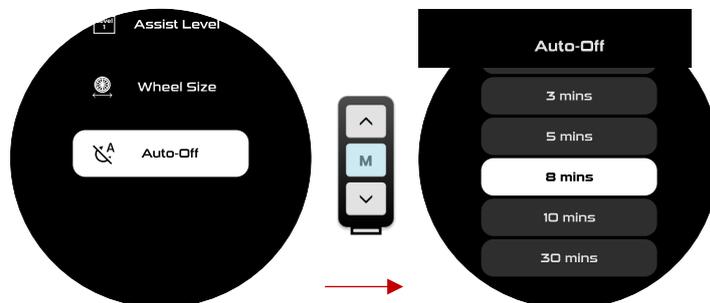
Short press the MENU button on Wheel Size to adjust your bike's wheel size. You can select a preset wheel size or manually input your wheel size. This will affect speed and distance based on your wheel size.





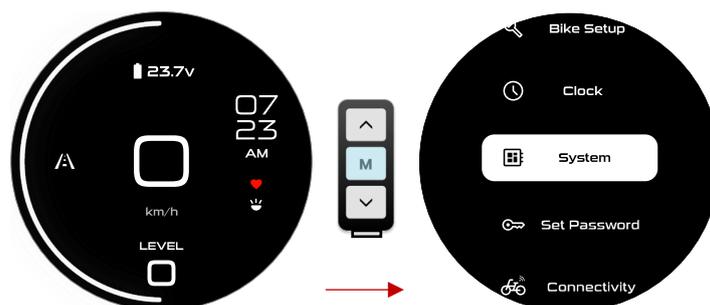
Auto-Off

Short press the MENU button on Auto Off to set the display’s auto-off timer. This determines how long the display will stay on before automatically turning off, based on the time period you select.



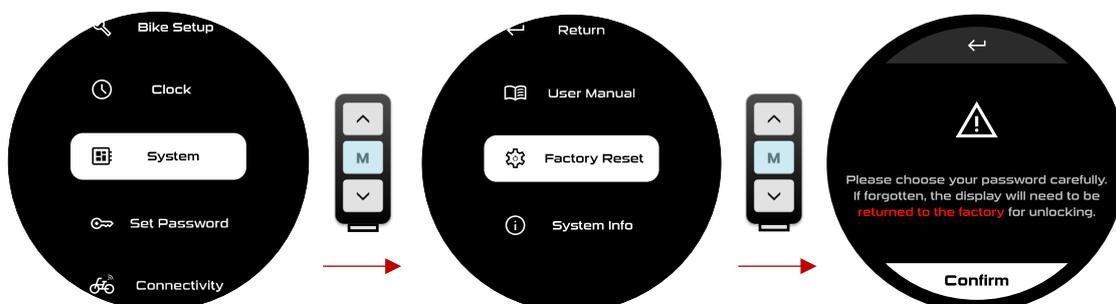
System

Short press the MENU button the System icon to access the system page. You can access display password setup, factory reset, user manual and system information settings.



Factory Reset

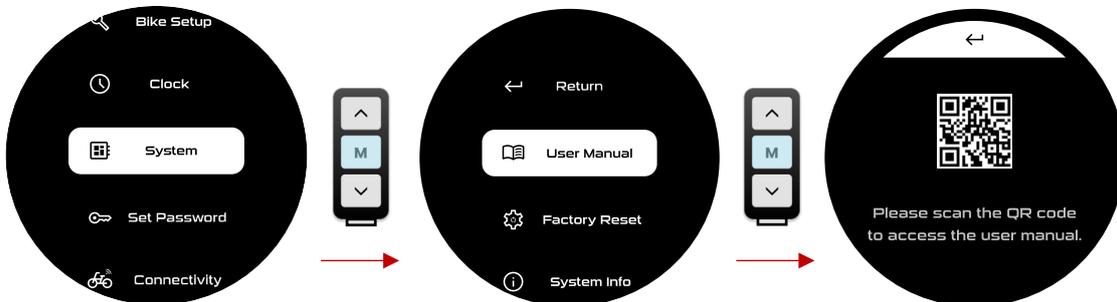
Short press the MENU button on the Factory Reset icon to reset content and display settings to default settings, If you’ve set a password, you’ll be prompted to confirm the action. This will also delete the password saved on the display.





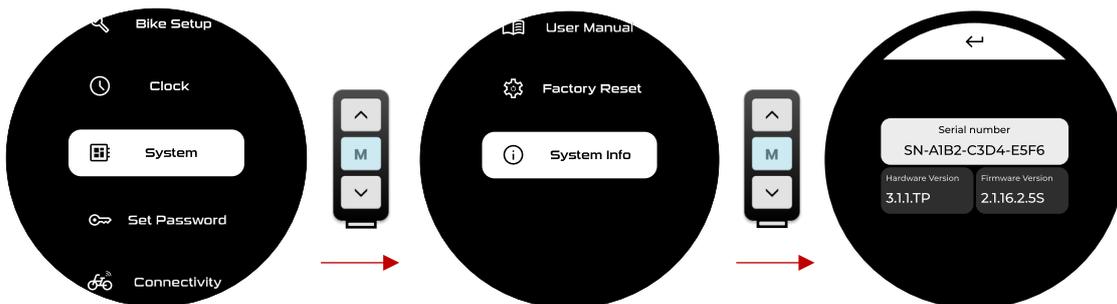
User Manual

Short press the MENU button on the User Manual icon to open the QR code to the latest Intuition display user guide. Use your mobile device to scan and be directed to the document.



System Information

Short press the MENU button on the System Information icon to read more information of your display such as odometer, firmware version, hardware version and Bluetooth version.



Set Password

Short press the MENU button on the Password Setup icon to adjust settings for your display's password. You can set a password, enter a new password, or remove set password.





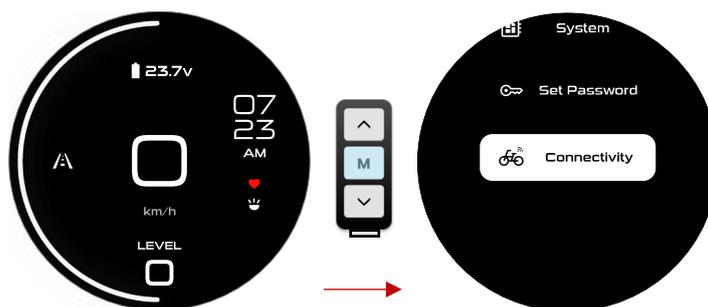
Remove Password

Short press the MENU button on the Password Setup icon to access password settings. If a password is currently set, you can remove the existing password or enter a new password to replace it.



Connectivity

Short press the MENU button on the Connectivity icon to access the connectivity page. You can adjust *Apple Find My* and *Hear Rate Sensor* settings.





Apple Find My

If you have not set a password, you must create one before proceeding. If a password is already set, the system will go directly to the Apple Find My activation screen. Click *Confirm* to activate. The system will display *Activating* and then *Done* when the process is complete. The next time you access Apple Find My, you will be prompted to deactivate it if needed.



Learn More

- Locate the power button, press and hold for one second (1s) to power on the Intuition Display (ID001).
- Locate the Up and Down buttons, press and hold simultaneously for one second (1s).
- A confirmation beep will sound.

How to Disable

- Locate the power button, press and hold for one second (1s) to power on the Intuition Display (ID001).
- Locate the M and Down buttons, press and hold simultaneously for one second (1s).
- A confirmation beep will sound.

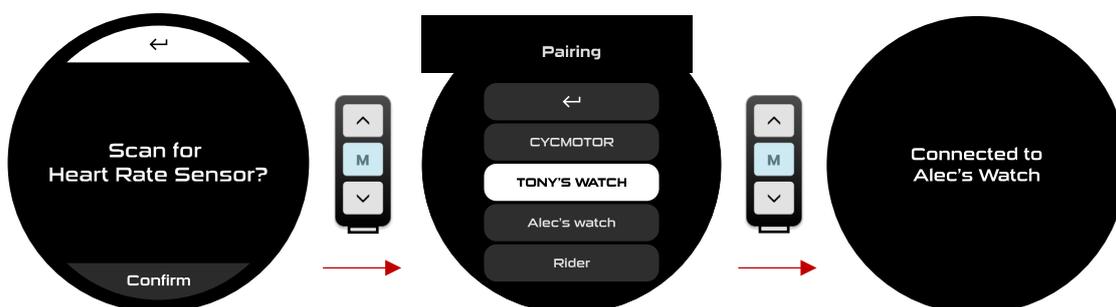


Heart Rate Sensor

If no device is connected, clicking this option will display *Scan for Heart Rate Sensor*. After you confirm, the system will show *Scanning*. When scanning is complete, all nearby devices will appear on the screen. Select your device, and the system will display *Connecting*. Once the connection is successful, a confirmation message will indicate that the device is connected. The next time you access this screen, you will be prompted to deactivate the connection if desired.

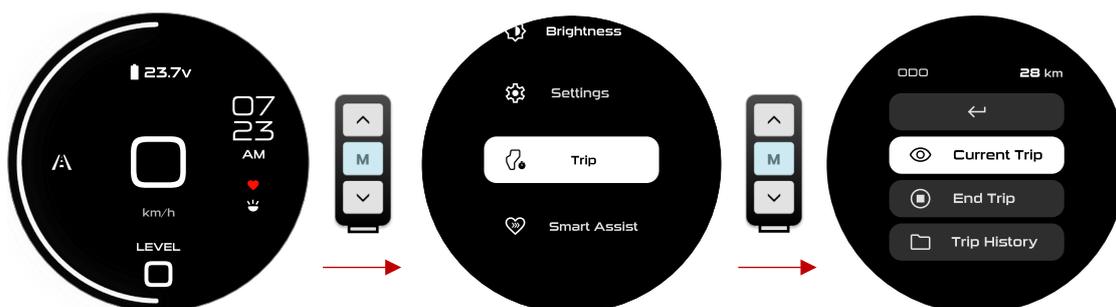
IMPORTANT NOTE:

The display can only connect to watches or devices that support *Heart Rate Broadcasting*. If a device can measure heart rate but does not broadcast it, the display will not be able to detect or connect to that device.



Trip Record

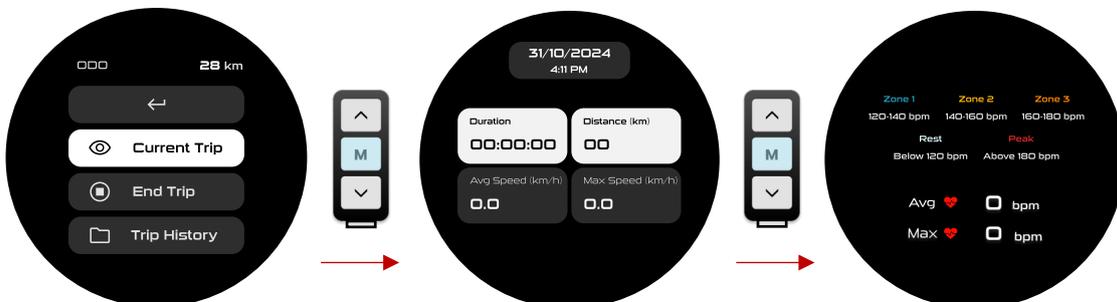
Monitor and manage your rides with either of three options: *Current Trip*, which displays real-time data for your ongoing ride; *End Trip*, which allows you to finish and save your trip details; and *Trip History*, which provides access to records of your previous trips.





Current Trip

This option provides a quick overview of your ongoing trip across four pages: two pages display riding data, and two pages show a heart rate summary. If no heart rate sensor is connected, the heart rate value will display as “0.”



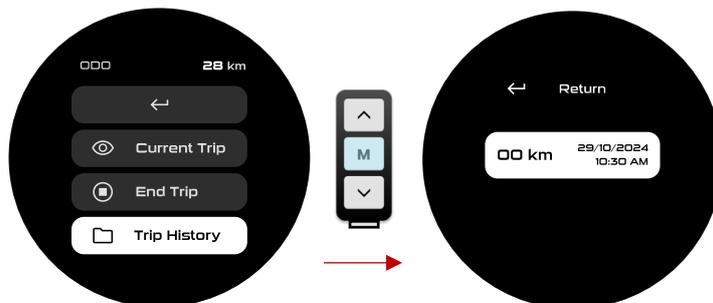
End Trip

When you choose to end a trip, the system will ask for confirmation. After you confirm, you can either save or reset the trip. Selecting Save will reset the current trip and store the record in Trip History. Selecting Reset will reset the current trip without saving any data.



Trip History

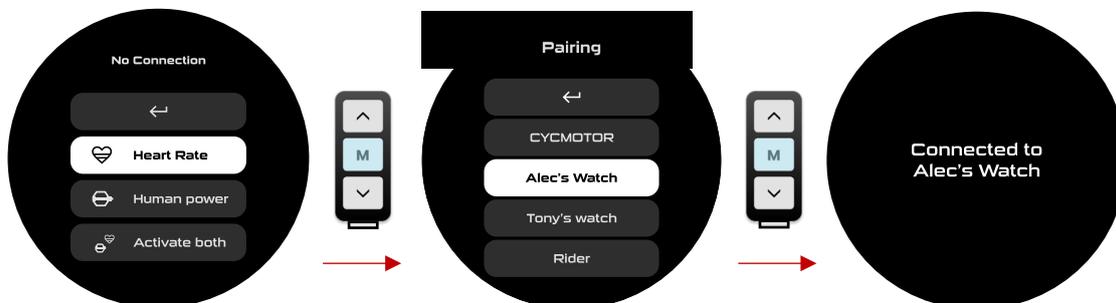
This option displays all saved trip records. You can tap on a record to view its details or long-press to delete any unwanted records.





Smart Assist

Smart Assist allows you to customize motor support based on your fitness goals and riding effort. Once the heart rate sensor is connected, the Smart Assist configuration screen will appear next. You can choose from three modes: *Heart Rate*, *Human Power*, and *Activate Both*.



Heart Rate Mode

In this mode, motor assistance is adjusted according to your heart rate (BPM). The system helps you maintain your target heart rate zone for a consistent workout. A heart rate sensor must be set up for this mode to work.



Human Power Mode

This mode adjusts motor support based on your pedalling power (watts). The motor compensates to keep your effort steady, making it ideal for performance training. This mode can be used without a heart rate sensor.





Activate Both Mode

This mode combines heart rate and pedalling power for more precise control. The system uses both metrics to deliver balanced assistance, ensuring you stay within your desired workout zone. A heart rate sensor is required for this mode.



For More Information

To learn more about Smart Assist settings, heart rate zones, and advanced configuration options, please refer to the *Ride Control App User Manual*. This guide includes detailed instructions and tips for optimizing your riding experience.

Instruction (1/5) ✕

Smart Assist

Smart Assist automatically adjusts motor support to match the rider's condition and effort—ideal for elders, casual riders, or anyone who wants an easier, safer ride on hills and longer trips.

Set your preferred targets in the app, and the system adapts in real time to keep riding comfortable while maintaining steady effort.

Color-coded feedback on your bike display makes it easy to track your progress for a smarter, safer ride.

Step 1: Choose Your Assist Mode

Tap the selector to choose how Smart Assist decides motor support:

- **Heart Rate Mode:**
Uses your BPM to decide how much motor support to provide.
- **Human Power Mode:**
Uses your pedaling watts to set motor support.
- **Activate Both Mode:**
Uses BPM and watts together to determine support more precisely.

♥ Heart Rate

⚙️ Human Power

⚡ Activate Both

Next

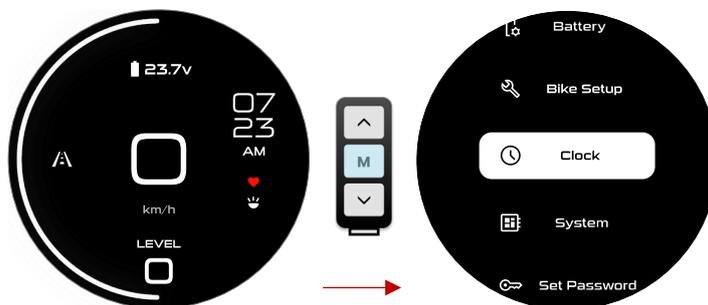
0% 100%





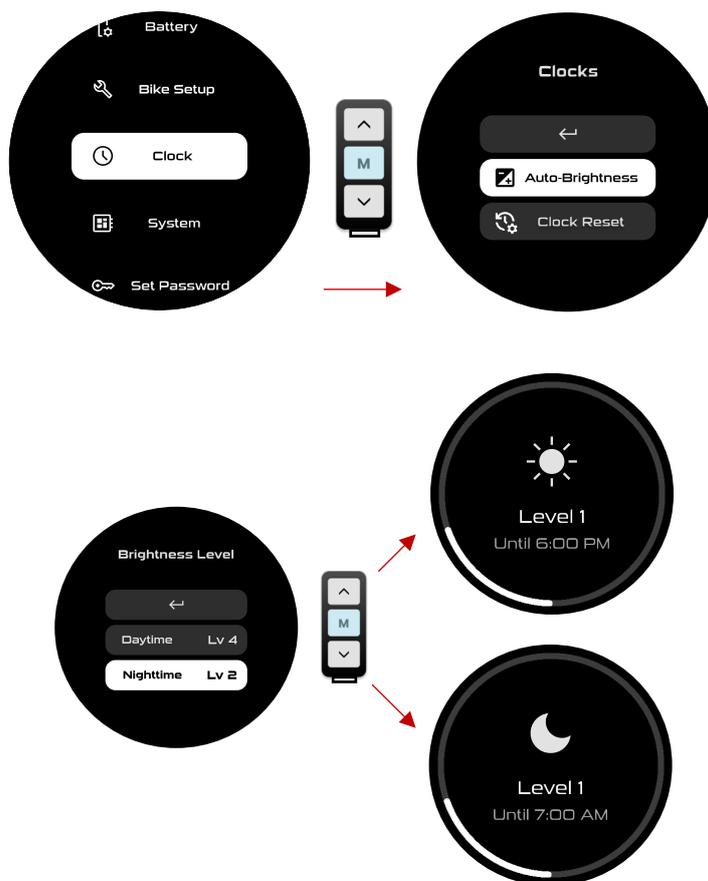
Clock

Short press the MENU button on the Clock icon to access the clock settings page. You can adjust auto-brightness, time setting, and clock reset.



Auto Brightness

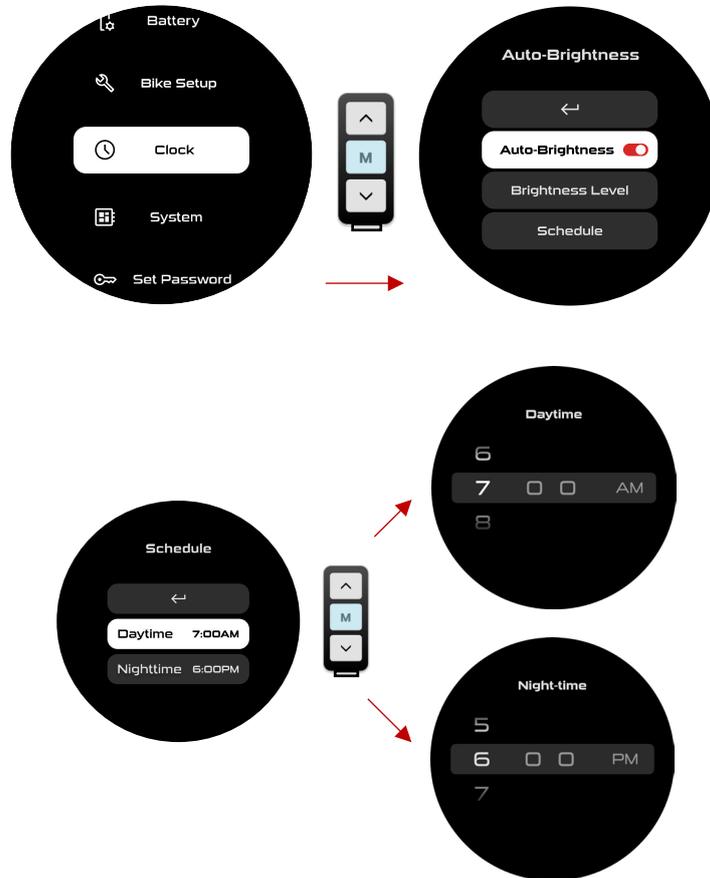
Short press the MENU button on Auto Brightness to set brightness and time setting. The brightness level will adjust based on the current daytime or nighttime in the display. Please note that manually changing brightness level in the menu will correspondingly change the default brightness level of the current daytime or nighttime period.





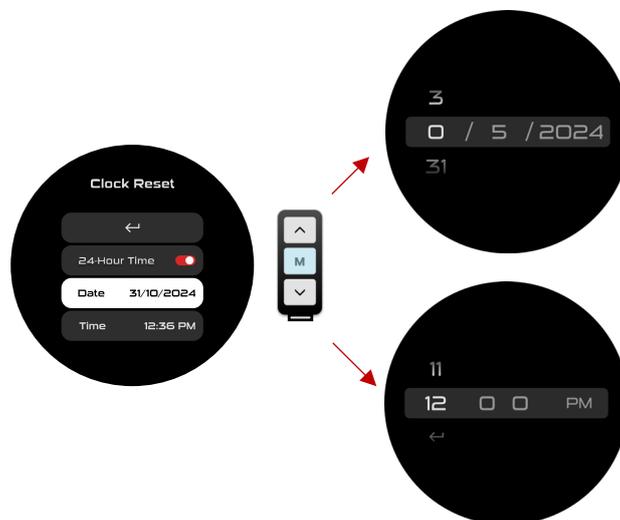
Time Setting

Short press the MENU button on the Time Setting button to manually set up daytime period. Setting daytime period will automatically adjust nighttime period automatically.



Clock Reset

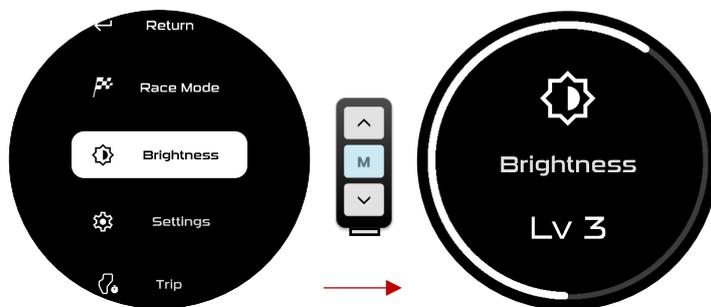
Short press the MENU button the Clock Reset button to change the date and time format.





Brightness

Short press the MENU button on Brightness to adjust brightness of your display. On start-up, brightness will be set to the auto-brightness set in the daytime period. If you adjust brightness, this will automatically override the default setting set in the daytime period and change brightness upon start-up respectively.



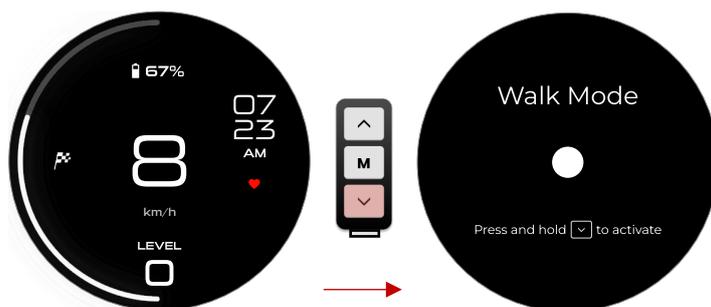
Auto Off During Trip

You can specify a time for the display to turn off during an ongoing trip. If display is turned off and turned on again, trip data will continue recording where it left off.



Walk Mode

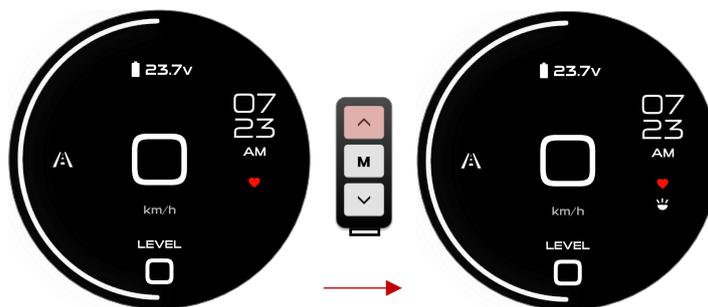
Long press the DOWN button for 1 second to enter walk mode. Short press the DOWN button to accelerate 6 km/h. Short press the UP or MENU button to leave walk mode.





Headlight Mode

Long press the UP button for 1 second to turn on/off your bike’s headlights.



Error Codes

Error Code on Intuition Display
Controller Over Voltage
Controller Under Voltage
Controller Over Temperature
Hall Sensor Error
Throttle Error
Speed Sensor Error
Controller Internal Error 1
Controller Internal Error 2
Controller Internal Error 3
Controller Internal Error 4
Controller Internal Error 5
Controller Internal Error 6
Controller Internal Error 7
Controller Internal Error 8
Controller Internal Error 9
Controller Internal Error 10

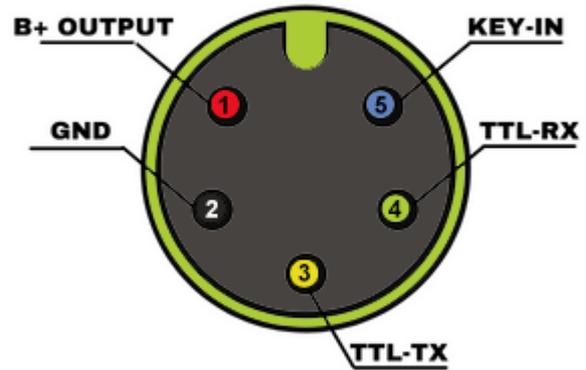
Installation

1. Secure the display mount using the provided screws to attach the display mount firmly to the bike’s stem
2. Attach the display by placing it onto mount and tighten the screws until it is stable and secure.
3. Install the joycon controller by positioning it onto the handlebar and fasten it securely.
4. Connect the wiring by plugging the display connector into the main wiring harness to ensure proper communication.
5. Turn on the display and adjust the settings to your preferred configuration.
6. Confirm everything is secure and functioning, then enjoy your ride!

Pin Layout

Male 5-Pin Connector

1. **Red Wire:** Anode (36V to 72V)
2. **Black Wire:** GND
3. **Yellow Wire:** TxD (display -> controller)
4. **Green Wire:** RxD (controller -> display)
5. **Blue wire:** Power cord to the controller



Certification

CE / IP65 (waterproof) / ROHS

Be sure to contact us if further assistance is needed. Thank you!