

NOT APPROVED FOR RELEASE

Center Display Unit



Quick Start Guide (QSG)

Revision History			
Date	Description	Approval	Function
07/09/2021	Rev 2_QSG Preliminary Release	B. Weidemann	Project Manager
07/08/2021	Rev 1_QSG Preliminary Release	B. Weidemann	Project Manager

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A. Overview

- This Quick Start Guide (QSG) is intended for users of the Center Display Unit. The QSG provides a step-based approach that is easy to follow and focused on helping the user quickly get familiar with the Center Display Unit's features and functions. Carefully read the QSG before operating the E-Bike.

A.1 Product Image



A.2 Main Features & Specifications

Main Features

- Large 2" QVGA (240 x 320) IPS panel
- Wide 160°/160° viewing angle
- Super bright 1,400cd/m² (Typical) backlit display
- IP65 rating protection
- USB-C port for charging and service

Specifications

Item	Definition
Display Technology Type	Backlit TFT (IPS Panel)
Panel Size	2.0"
Native Resolution	QVGA (240 x 320) Pixels
Brightness (Typical)	1,400cd/m ²
Viewing Angle (H/V)	160° (80°/80°)/160° (80°/80°)
Orientation	Portrait
Memory	256M
Interface	CAN/CANopen, UART, RS-485, RS-232, LIN
Light Sensor	Yes
Power (Wide VIN Range)	7 - 55V
Max Current	W/USB Charging: 80mA - 440mA W/O USB Charging: 30mA - 150mA
USB	USB Type C, Max. 1.5A (For Charging)
Mounting	Three options: Y-Mount, Forward Mount, One-Arm Mount
IP Level	IP65
Storage/Operating Temperature	-20° to +60°C (-4° to +140°F)/-10° to +50°C (14° to +122°F)
Connector	AVS 6-Pin x2 (Drive/Remote Cable)
Dimensions (W x D x H) (Estimated)	46mm x 19mm x 62mm (1.8" x 0.7" x 2.4")
Weight (Estimated)	35g (1.2oz)
Color	Housing: Pantone Black

B.1 Product Dimensions



C.1 Location of Markings



D.1 Disposal and Recycling

This product may contain other electronic waste that can be hazardous if not disposed of properly. Recycle or dispose in accordance with local, state, or federal Laws. For more information, contact the Electronic Industries Alliance at www.eiae.org.



DISPOSAL:

Do not use household or municipal waste collection services for disposal of electrical and electronic equipment. EU countries require the use of separate recycling collection services.

E.1 Regulatory Compliance

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party. Responsible for compliance could void the user's authority to operate this equipment. (Example: use only shielded-interface cables when connecting to a computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

F.1 Manufacturer Details (Center Display Unit)

AVS Electronics (HK) Ltd

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