

# AVS CD8

## Center Display Unit



## Quick Start Guide (QSG)

**Revision History**

Date	Description	Approval	Function
11/11/2024	Version 4.0 QSG Update (Updates Safety Label Artwork)	B. Weidemann	Project Manager
08/16/2024	Version 3.1 QSG Update (AVS Logo & Product Images Update)	B. Weidemann	Project Manager
08/15/2024	Version 3.1 QSG Update (AVE Logo Update)	B. Weidemann	Project Manager
08/14/2024	Version 3.0 QSG Update (FCC & UKCA Update)	B. Weidemann	Project Manager
07/09/2021	Rev 2_QSG 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/m<sup>2</sup> (Typical) backlit display
- USB-C port for charging and service

#### Specifications

Item	Definition
<b>Display Technology Type</b>	Backlit TFT (IPS Panel)
<b>Panel Size</b>	2.0"
<b>Native Resolution</b>	QVGA (240 x 320) Pixels
<b>Brightness (Typical)</b>	1,400cd/m <sup>2</sup>
<b>Viewing Angle (H/V)</b>	160° (80°/80°)/160° (80°/80°)
<b>Orientation</b>	Portrait
<b>Memory</b>	256M
<b>Interface</b>	CAN/CANopen, UART, RS-485, RS-232, LIN
<b>Light Sensor</b>	Yes
<b>Power (Wide VIN Range)</b>	7 - 55V
<b>Max Current</b>	W/USB Charging: 80mA - 440mA W/O USB Charging: 30mA - 150mA
<b>USB</b>	USB Type C, Max. 1.5A (For Charging)
<b>Mounting</b>	Three options: Y-Mount, Forward Mount, One-Arm Mount
<b>IP Level</b>	IP56
<b>Storage/Operating Temperature</b>	-20° to +60°C (-4° to +140°F)/-10° to +50°C (14° to +122°F)
<b>Connector</b>	AVS 6-Pin x2 (Drive/Remote Cable)
<b>Dimensions (W x D x H) (Estimated)</b>	46mm x 19mm x 62mm (1.8" x 0.7" x 2.4")
<b>Weight (Estimated)</b>	35g (1.2oz)
<b>Color</b>	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](http://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 Warnings

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: FCC ID: 2AUYC-CD08VB01

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.
3. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
4. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

**NOTE:**

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.

FCC Radiation Exposure Statement

The equipment complies with FCC Radiation exposure limits set forth for an uncontrolled environment.

#### F.1 Manufacturer Details (Center Display Unit)

AVS Electronics (HK) Ltd

16D Hollywood Centre, 77-91 Queens Road West, Sheung Wan, Hong Kong S.A.R.