Avenview

USER GUIDE

DVI EDID Reader / Writer

Model #: C-EDID-RW

WUXGA
1920x1200

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Section 1: Getting Started

1.1 Important Safeguards

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - Repair or attempted repair by anyone not authorized by us.
  - Any damage of the product due to shipment.
  - Removal or installation of the product.
  - Causes external to the product, such as electric power fluctuation or failure.
  - Use of supplies or parts not meeting our specifications.
  - Normal wear and tear.
  - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

1.2 Safety Instructions

The Avenview C-EDID-RW, DVI EDID Reader/Writer has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the C-EDID-RW should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Do not dismantle the housing or modify the module.
- Dismantling the housing or modifying the module may result in electrical shock or burn.
- Refer all servicing to qualified service personnel.
- Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Have the module checked by a qualified service engineer before using it again.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

1.3 Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

1.4 Introduction

Avenview C-EDID-RW can emulate the EDID (Extended Display Identification Data) information. It stores and recalls a default EDID setting in non-volatile memory allowing your computer boot directly from EDID Reader/Writer. It can also read and store the EDID of your display and even let you modify the EDID and upload the modified EDID to displays.

- Keeps computers from deactivating inactive DVI port
- Reads and remembers the EDID of displays
- Writes EDIDs into the EDID Reader / Writer or the displays
- Default EDID built-in
- No power required after initial programming
- Maintains DVI video resolution
- Easy configuration

1.5 Package Contents

Before you start the installation of the converter, please check the package contents.

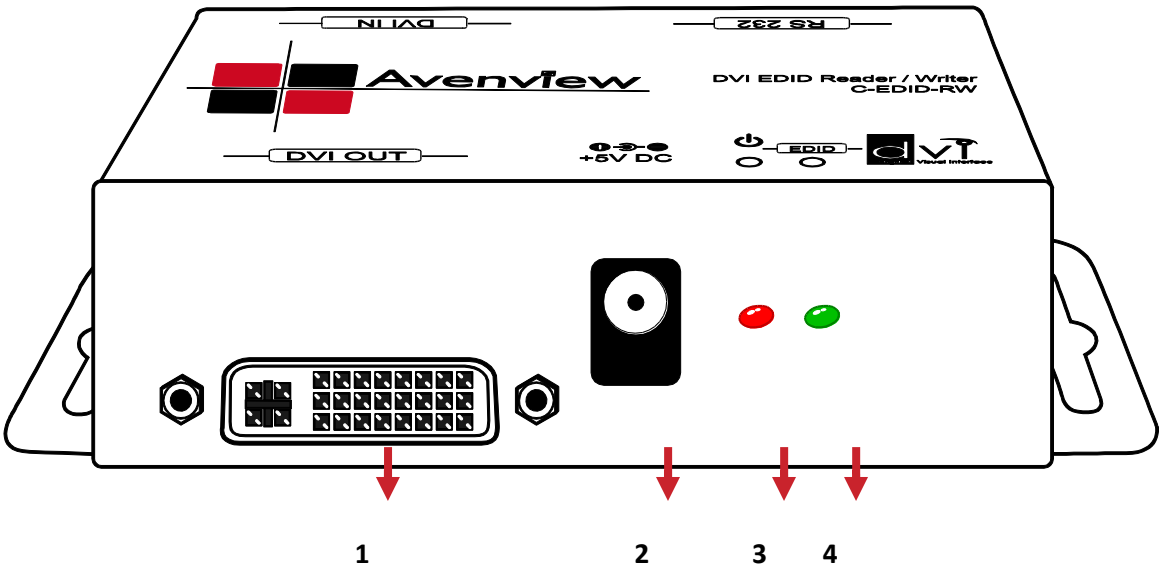
- C-EDID-RW x 1
- Power Adapter (+5VDC, 2A) x 1
- User Guide x 1

1.6 Before Installation

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.

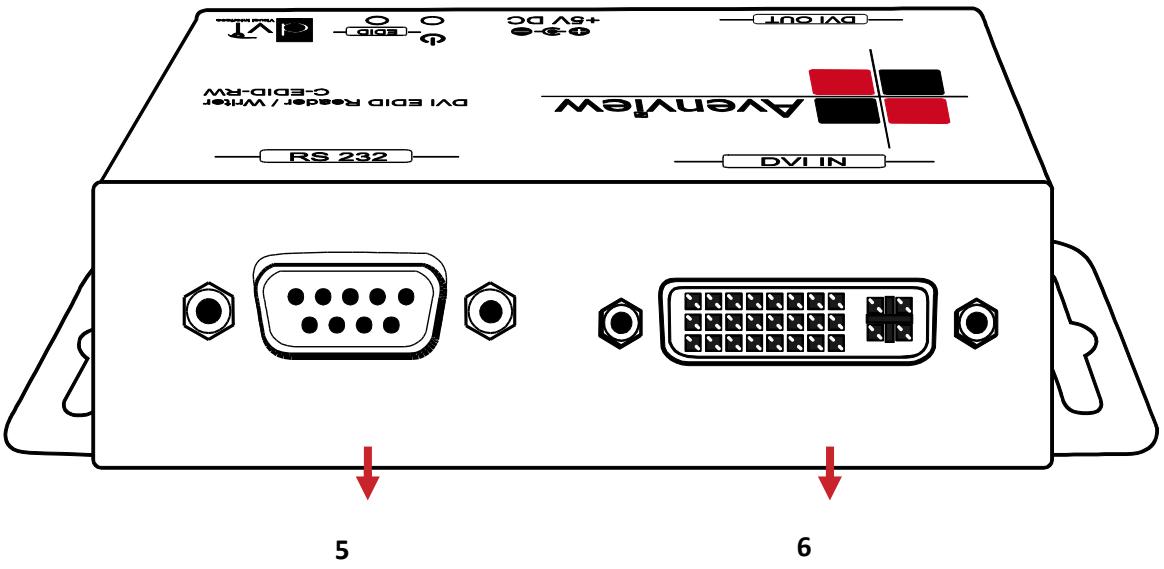
1.7 Panel Description

FRONT PANEL



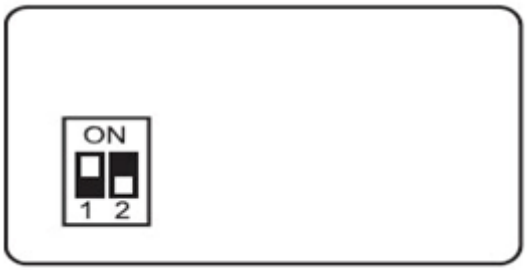
1. DVI Port for Display	2. Power Connector
3. Red LED: Power indicator	4. Green LED: Indicates EDID's writing

REAR PANEL



5. RS232 Port	6. DVI Port for connecting the PC

1.8 DIP Switch Configuration



1	2	Mode
OFF (⬇)	OFF (⬇)	Reserved mode
OFF (⬇)	ON (⬆)	**Recording:** Connect the monitor to the DVI monitor connector. Once the recording process is completed, C-EDID-RW has copied the EDID from the monitor into flash memory the green LED will turn off.
ON (⬆)	ON (⬆)	**Writing Default:** Write the default EDID into C-EDID-RW to replace the existing EDID in the C-EDID-RW. Once the writing process is completed the green LED will turn off.
ON (⬆)	OFF (⬇)	**Connection Mode:** Set DIP switches at this position before you connect your computer to the C-EDID-RW

To avoid initiating undesired errors during switching between modes (e.g. changing from Recording mode to Connection mode might overwrite the EDID of display in the C-EDID-RW by default EDID), please unplug the power cord before you change on of the above modes to another. Plug in the power cord after you have changed the position of the DIP Switch.

DO NOT plug DVDI cable into PC DVI connector when you are changing from one mode to another.

The C-EDID-RW may not work on the monitors with EDID write protection.

1.9 Hardware Installation

To setup Avenview C-EDID-RW follow these steps for connecting to a device:

1.9.1 Read the EDID from a DVI Display or Projector

1. Before connecting the Power and other devices to C-EDID-RW, set the DIP switches at the bottom of C-EDID-RW at 1-OFF 2-ON (🡻🡹)
2. Connect your monitor to the C-EDID-RW and plug in 5V DC Power cord
3. Connect the C-EDID-RW to your computer by a DVI cable and boot up your computer
4. Remove 5V DC power cord when the green LED turns off then dial the DIP pin-2 to OFF (🡻) to save the EDID value of the display

1.9.2 Restore the default Universal EDID

1. Before connecting the Power and other devices to C-EDID-RW, set the DIP switches at the bottom of C-EDID-RW at 1-ON 2-ON (🡹🡹)
2. Plug in 5V DC power cord and connect your monitor to C-EDID-RW
3. Connect the C-EDID-RW to your computer by a DVI cable and boot up your computer
4. Remove the power when the green LED turns off then dial the DIP pin-2 to OFF (🡻) to restore the default EDID value

1.9.3 Write EDID to the DVI Display

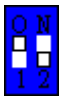
1. Before connecting the Power and other devices to C-EDID-RW, set the DIP switches at the bottom of C-EDID-RW at 1-ON 2-OFF (🡹🡻)
2. Plug in 5V DC power cord
3. Connect your monitor with a DVI cable and computer with a RS232 cable to C-EDID-RW
4. Boot up your computer and install the software
5. Refer to software installation below.

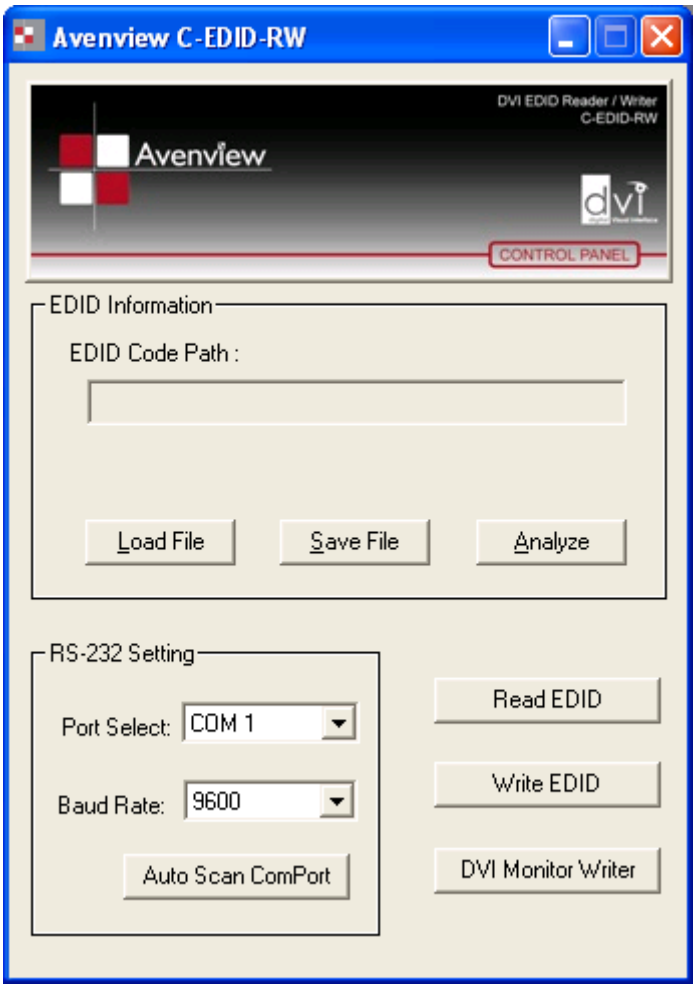
The C-EDID-RW may not on the DVI monitors with EDID write-protection.

1.10 Software Installation

Before launching the software installation, please make sure:

1. The power supply is well connected
2. DIP switches are at the right position as shown below [1-(ON↑); 2-OFF(↓)]





Ensure that power is connected and proper Com Port is selected. Then click on Auto Scan ComPort

1.10.1 Read EDID

- If you would like to read EDID information from the connected C-EDID-RW, simply click on the button “Read EDID”. If everything is connected properly, you will see a message “Finish reading the EDID data from PC to C-EDID-RW.”
- Click on “Analyze” button to make a quick analysis on the read EDID information which users can monitor or modify.
- To save the EDID information for future reference, click on “Save File” button.

1.10.2 Write EDID

- You can modify EDID content in the pop-up after clicking Analyze button. Also, you can load the previously saved EDID information in the analysis window by clicking on “Load File” button
- While finish editing EDID content, you can click on “Write EDID” button to write the EDID information to DVI EDID Reader/Writer.

1.10.3 DVI Monitor Writer

Please ensure that all cables are connected securely and both monitor and C-EDID-RW are connected to backup power supply. If during EDID update to DVI monitor a power surge happens or serial cable is not unplugged then this might result in incomplete EDID. Therefore, "DVI Monitor Writer" is not recommended to use.

- Click on "Analyze" button or you can load the previously saved EDID information in the analysis windows by clicking on "Load File" button
- Click on "DVI Monitor Writer" button, wait for "Finish writing EDID data from PC to Monitor" to display.

> *Always make a backup copy of monitor's EDID before proceeding.*

Section 2: Specifications

Item	Description
Video Bandwidth	1.65 Gbps
Display Side Connector	1 x DVI-I female (digital only)
Communication	RS232
EEPROM	256 bytes
Power Supply	5V DC, 2Amp
Dimension (L x W x H)	3.3” x 1.6” x 1.1”
Weight	180g (6.3oz)
Environmental	
Operation	0˚ to 50˚C Degree

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