

EDID Emulator Series

ITEM NO.: EE01D DVI EDID Emulator

The EE01D DVI EDID Emulator design for single-link and dual-link DVI signal sources, enables you to capture and store EDID (Extended Display Identification Data) information when connected to a display. It can be powered directly from the DVI source or with an optional external power supply.

EDID information contains important display settings such as maximum image size, color characteristics, factory pre-set timings, frequency range limits, etc., and since most video extender systems don't offer EDID communication between the source and remote display, the DVI EDID Emulator is a perfect workaround for ensuring the optimum signal is provided to the display to help prolong the life of your displays.

EE01D DVI EDID Emulator

Features:

- Support 4 different EDID function: read, write, emulate, by pass
- Allows the source device to read the selected EDID information from the unit default or learned EDID memory.
- Built in rotary switch, support up to 12 sets default EDID setting
- Allow to save 3 sets custom EDID.
- Built in USB port to allow user to write EDID
- Built in Equalizer for reliable signal quality performance.
- Support DVI single link and DVI Dual Link.
- Support resolution up to 3840x 2400@30Hz.
- Power source from DVI or micro USB port.

LED :

Green	ON	Power on
	OFF	Power off
Blue	ON	DVI Signal from input
	OFF	No DVI Signal
Red	ON	Read/write EDID failed
	FLASH	Backing up EDID

Rotary Switch :

0 : By pass mode
1 : Custom EDID #1
2 : Custom EDID #2
3 : Custom EDID #3
4 : 1024 x 768
5 : 1280 x 720
6 : 1280 x 1024
7 : 1366 x 768
8 : 1440 x 900
9 : 1600 x 900
A : 1600 x 1200
B : 1680 x 1050
C : 1920 x 1080
D : 1920 x 1200
E : 1920 x 1440
F : 2560 x 1600

EDID Operation :

1. By Pass Mode : Rotary switch turn to 0, connect source and monitor, the DDC will connect directly.
2. Manual Learning EDID Mode : Rotary switch turn to 1~3 :
 - Press SET button 3 seconds to read the EDID from monitor and pass to source
 - Press SET button 0.5 second to select learned EDID
3. Default Mode : Rotary switch turn to 4~F, press SET button 0.5 second to select default EDID.

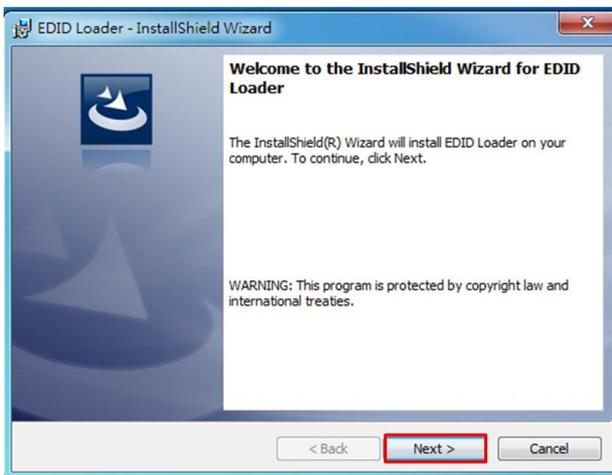
Caution :

When learning EDID by manual: If EDID failed, the resolution will back to default at 1280 x1024. EE01D built in micro USB for external power when your DVI source not able to provide enough power to the receiver. For example, when using multiple EE01D with DVI distributor, the power consumption may over the limitation of the DVI device, please use micro USB to DC plug cable (package included) with 5V power adaptor (optional) for external power.

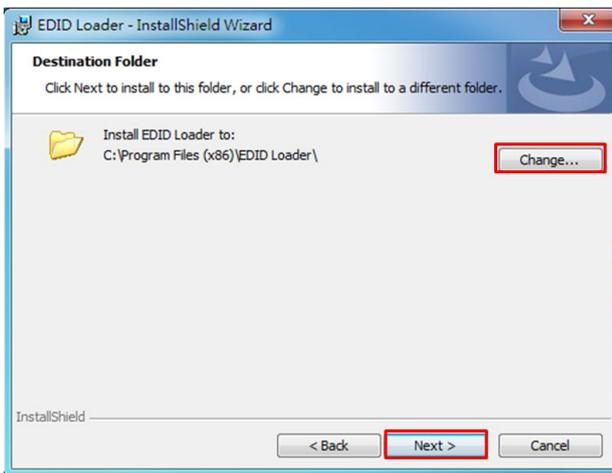
EDID Writing Tool instruction :



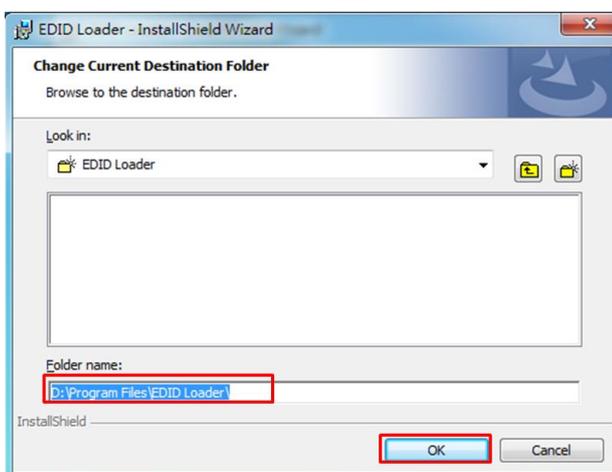
Click Setup file in CD path "EDID Loader" to install



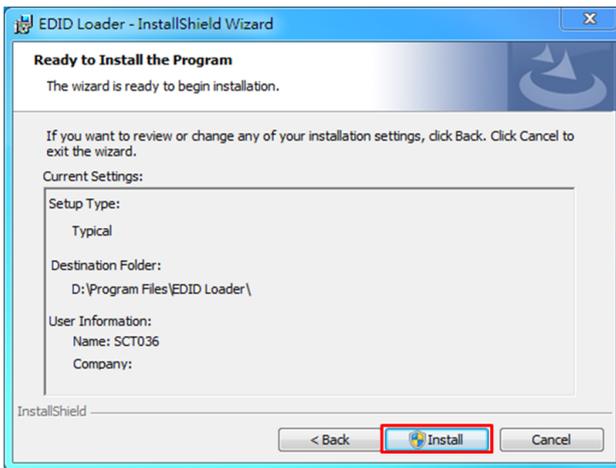
Click 「Next」 to next step



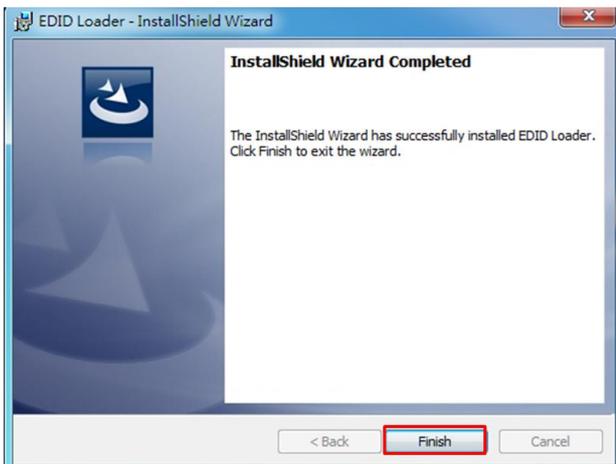
Click 「Next」 button to next step, default path is "C:\Program files (x86)\EDID Loader\
To change the installation path, please click 「Change...」



When click 「Change...」 icon it will show up the modified window
After modified the path, click 「OK」 to back, click 「Next」 to next step.



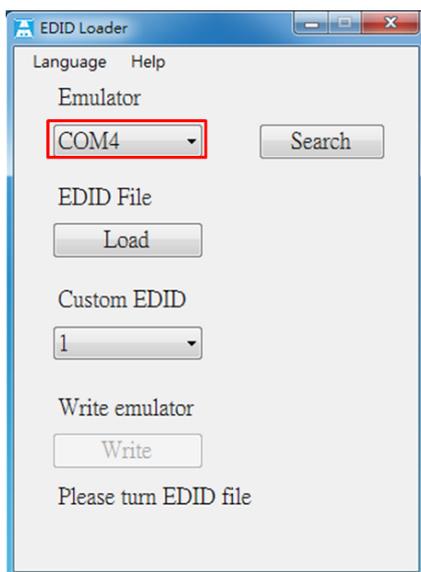
Click 「Install」 to start installation



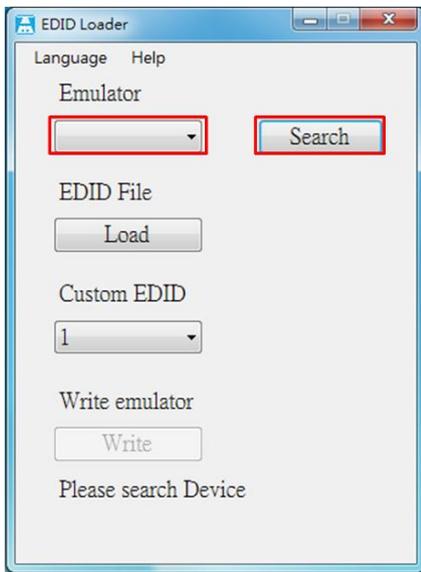
After installation, click 「Finish」 to complete the installation



It will show “EDID Loader” icon on desktop, click the icon to run the program

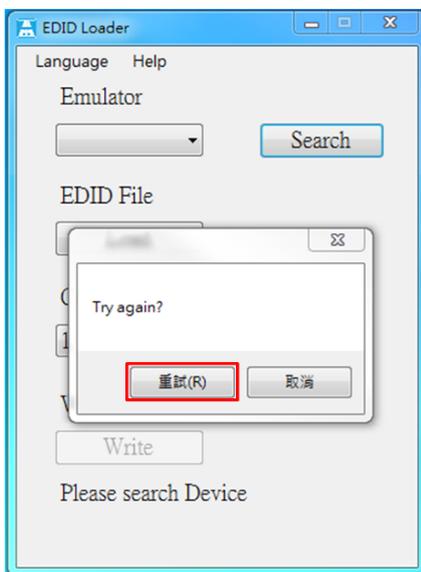


It will show the COM port once Emulator connected with PC (port number might be different depends on PC)



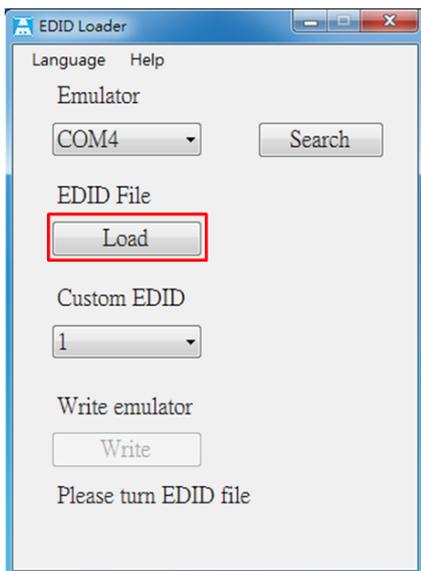
If the Emulator show “blank” , please click 「 Search 」 to find the emulator

After complete the search, it will appear the connecting emulator as above page

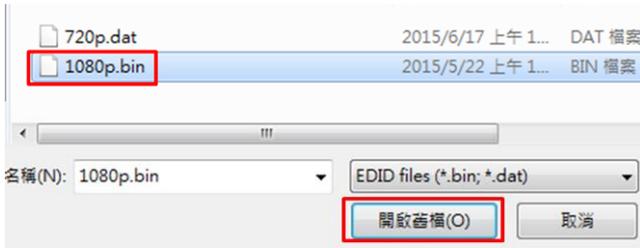


If not able to search the emulator, please make sure the emulator connect with PC

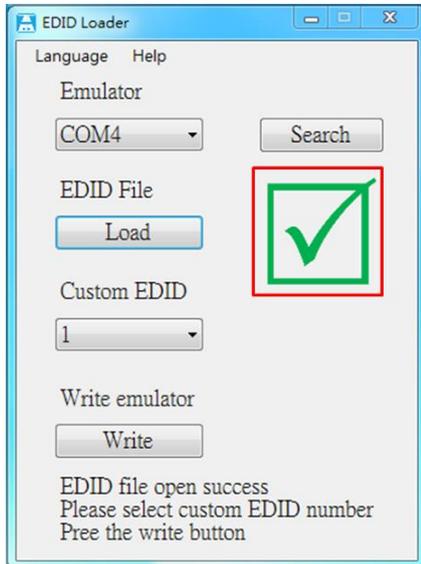
If already connected, please click 「 Try again 」



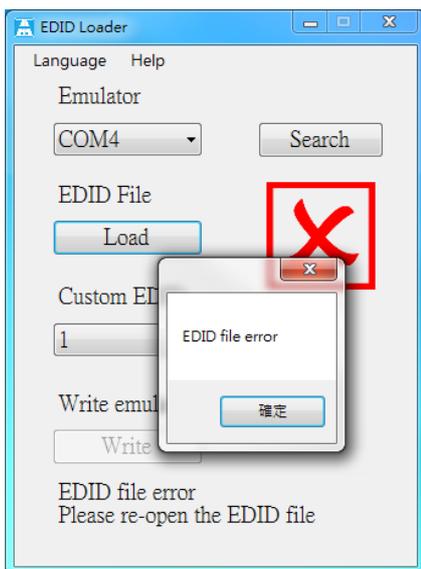
When the emulator confirmed, please click 「 Load 」 to open EDID file



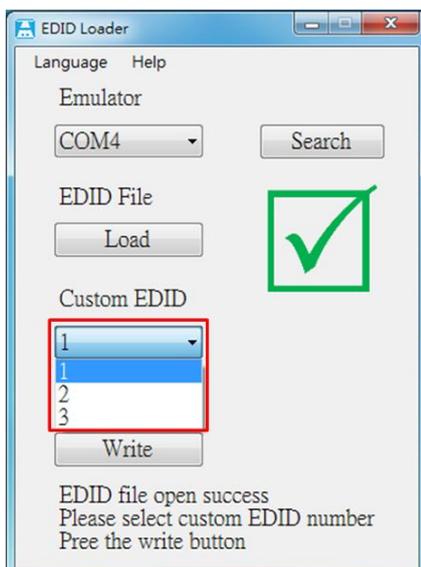
Select EDID file and click 「open file」 to open EDID files could be 「dat」 or 「bin」 format



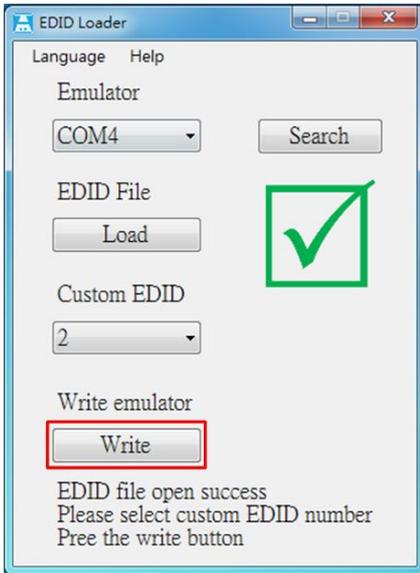
After open the file, the 「Load」 will show up green tick icon if file format is correct



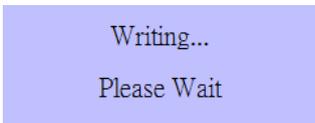
If open file failed, it will show up “EDID file error” and come with red “X” icon



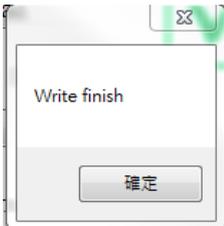
After EDID file open success, click Custom EDID menu and select the number you want



After select the custom EDID number, click 「Write」

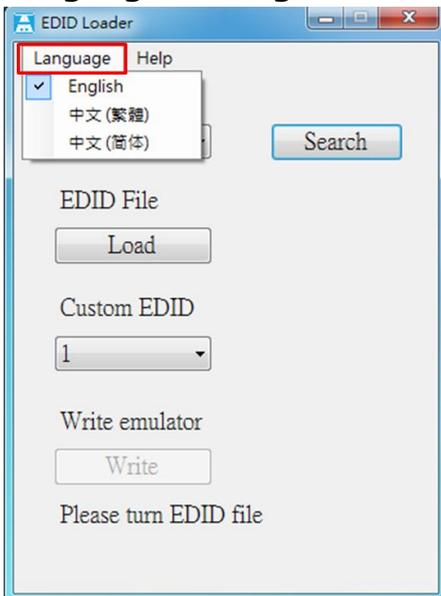


It will show up “Writing... Please Wait” message



It will show up “Write finish” message once complete

Language Setting



Click 「Language」 to select the language
Support language: English, Traditional Chinese, Simplified Chinese.

EE01D Package Include:

EE01D x 1 pcs

CD x 1 pcs

Micro USB to DC jack cable x 1 pcs

Specification:

ITEM NO.	EE01D
Support Resolution	3840 x 2400@30Hz Max.
LED	LED x 3 (Green, Blue, Red)
Video Input /Output	DVI-I x 2 (Digital Only)
Power Source/EDID Writing	Micro USB x 1
EDI D Switch	16 Rotary Switch x 1 (0~9 & A~F)
EDID Read/Write	Tact Switch x 1
Power Consumption	2.5 W (Max)
Power Adapter(Order Separately)	DC 5V / 1A
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%
Dimension mm	88 x85 x30 mm
Weight g	185 g

RoHS   

Rev. A