

CU006 Control Unit

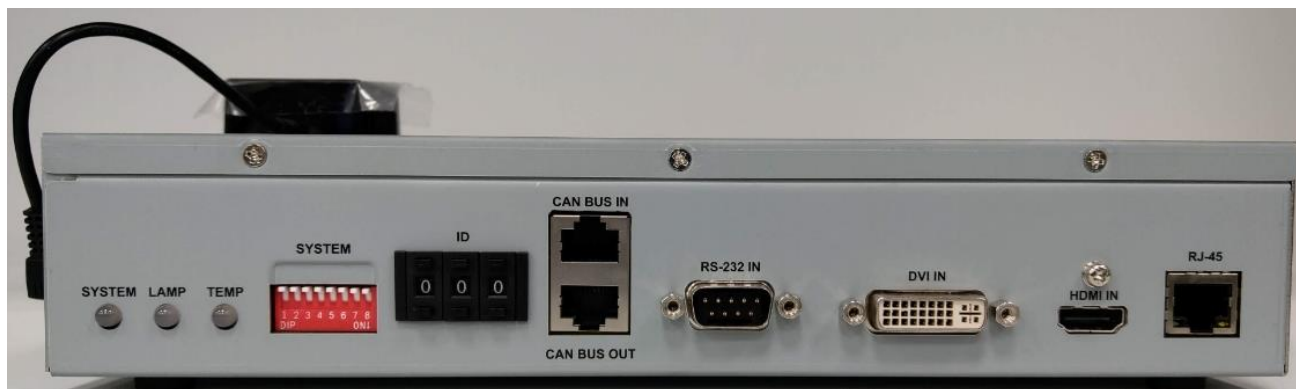
Installation Manual

2019.01.04 Ver.02

For any issues regarding its use, please contact customer service representatives

All regions (except regions in Mainland China)	Regions in Mainland China
LiveChat https://lc.chat/now/10322197/	WeChat
 SERVICE	

1 Product appearance



2 Compatible products or accessories:

The control box that can be used with this optical engine is: CU-S10

The signal enhancer that can be used with this optical engine is: CU-CAT

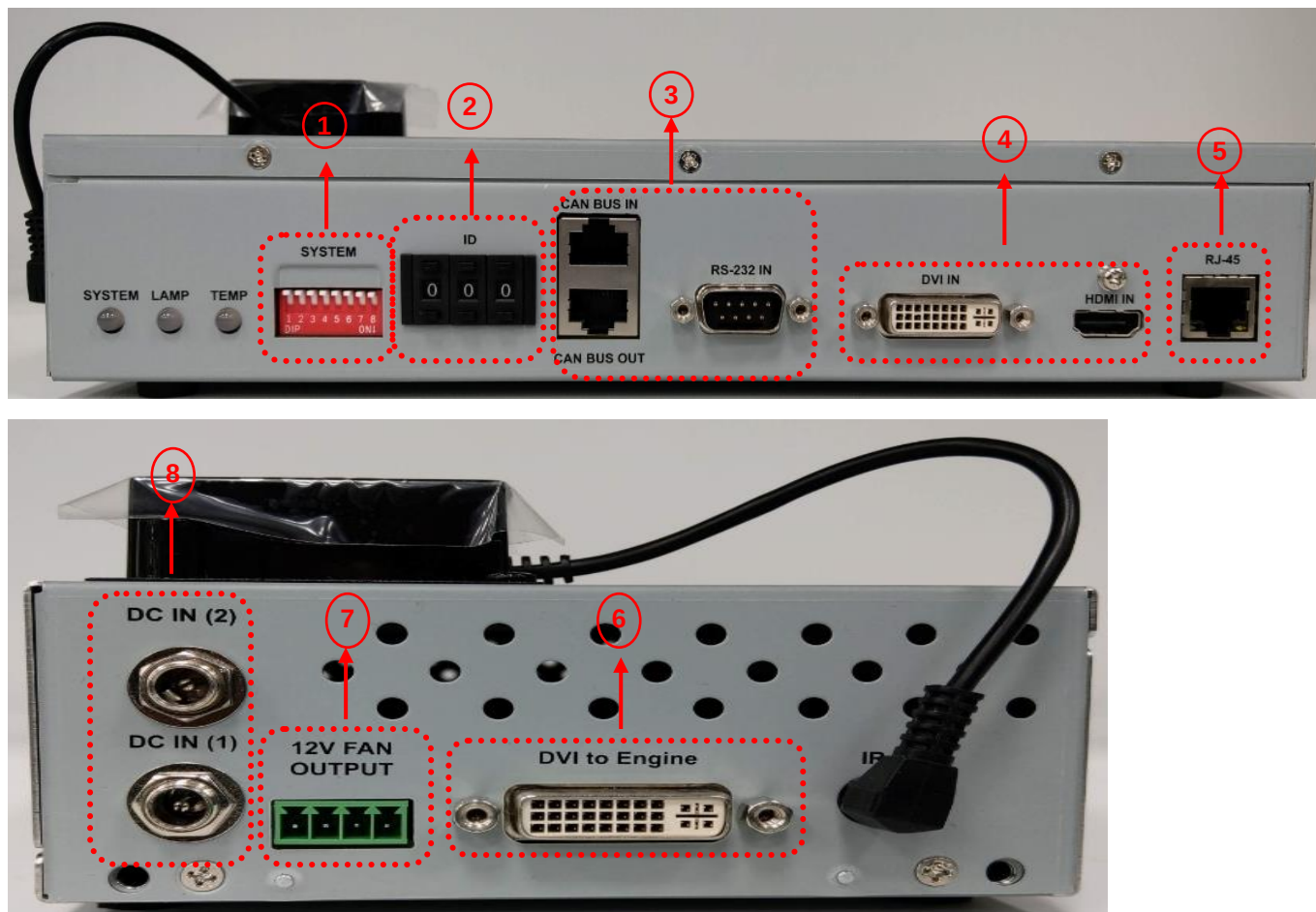
3 Storage condition

3.1 Operation temperature: 5 ~ 35C;

3.2 Storage/transportation temperature: - 20 ~ 60C

3.3 Environmental temperature: 20 ~ 80%

4 Interface description



4.1 SYSTEM DIP SWITCH: For setting up Host and Last

4.1.1 Host: Manually switch 1.8 to ON

4.1.2 Last: Manually switch 1.4 to ON

4.2 ID DIP SWITCH: For setting up big screen ID

4.3 Control interface:

4.3.1 Can Bus: Serial control box

4.3.2 RS232: For control of external computers

4.4 DVI / HDMI IN: Connection processor, matrix or other input signals

4.5 RJ45: For external network control

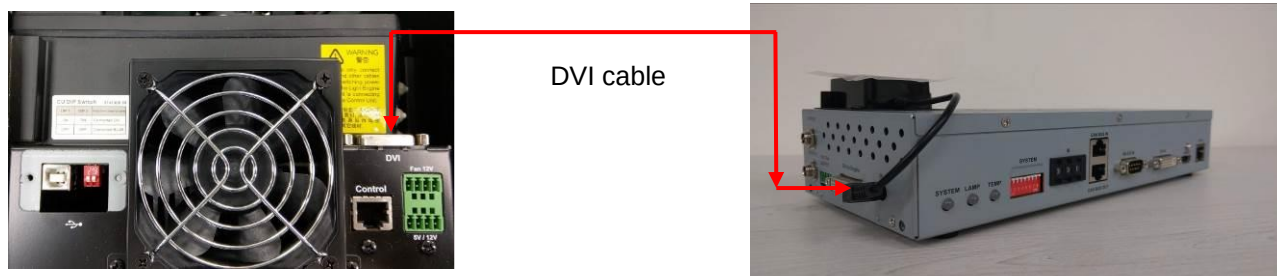
4.6 DVI To Engine: Control box connected to the light engine

4.7 12V Fan OUT power supply: For use of connecting the box fan

DC power source	Pin 1	Pin 2	Pin 3	Pin 4	Note
Fan 12V	PWM	Feedback	GND ground	12V	Pin position from left to right

4.8 DC IN (1/2) power source: For the power supply of control box

5 How to connect the control box



6 Suggestions for ID DIP SWITCH settings

Define the ID number(ID address) of each DLP Projection Engine;

6.1.1 Set up ID of DLP Projection Engine by its sequence

<Note> Set limits

※The Host ID number must be 000.

※The ID number must be in consecutive, rather than broken, sequence (i.e. 000 → 001 → 002 → ...)

6.1.1.1 Recommended ID number setup sequence (blue arrow indicates series connection of RS-485). Take 3*8 DLP Projection Engine for example

1st machine ID number 000	2nd machine ID number 001	3rd machine ID number 002	4th machine ID number 003	5th machine ID number 004	6th machine ID number 005	7th machine ID number 006	8th machine ID number 007
9th machine ID number 015	10th machine ID number 014	11th machine ID number 013	12th machine ID number 012	13th machine ID number 011	14th machine ID number 010	15th machine ID number 009	16th machine ID number 008
17th machine ID number 016	18th machine ID number 017	19th machine ID number 018	20th machine ID number 019	21th machine ID number 020	22th machine ID number 021	23th machine ID number 022	24th machine ID number 023

Blue arrows indicate the RS-485 series connection sequence: 1st to 2nd, 2nd to 3rd, 3rd to 4th, 4th to 5th, 5th to 6th, 6th to 7th, 7th to 8th, 8th to 16th, 16th to 15th, 15th to 14th, 14th to 13th, 13th to 12th, 12th to 11th, 11th to 10th, 10th to 9th, 9th to 17th, 17th to 18th, 18th to 19th, 19th to 20th, 20th to 21st, 21st to 22nd, 22nd to 23rd, and 23rd to 24th.

7 Regulations

This is a Class A product. In a residential environment it may cause radio interference, in which case the user may be required to take adequate measures. The typical use is in a conference room, reception room or hall.

The product was complied with the requirements of RG1 IEC 62471-5:2015