

AVIS *LED LIGHT SYSTEM*
Auto Calibration

AVL-A100
User Manual

Ver 1.0

• Introduction

- ◇ Automatically set color temp. & brightness. (USER A MODE & USER B MODE)
- ◇ Automatically set in the AVL-A100 after customer enter the desired color temp. & brightness.
- ◇ Can be set color coordinates. (Can't be set in Beta version. Will be implemented in next version.)
- ◇ Tolerance can be set from +10 to -10.

• AVL-A100 equipments.

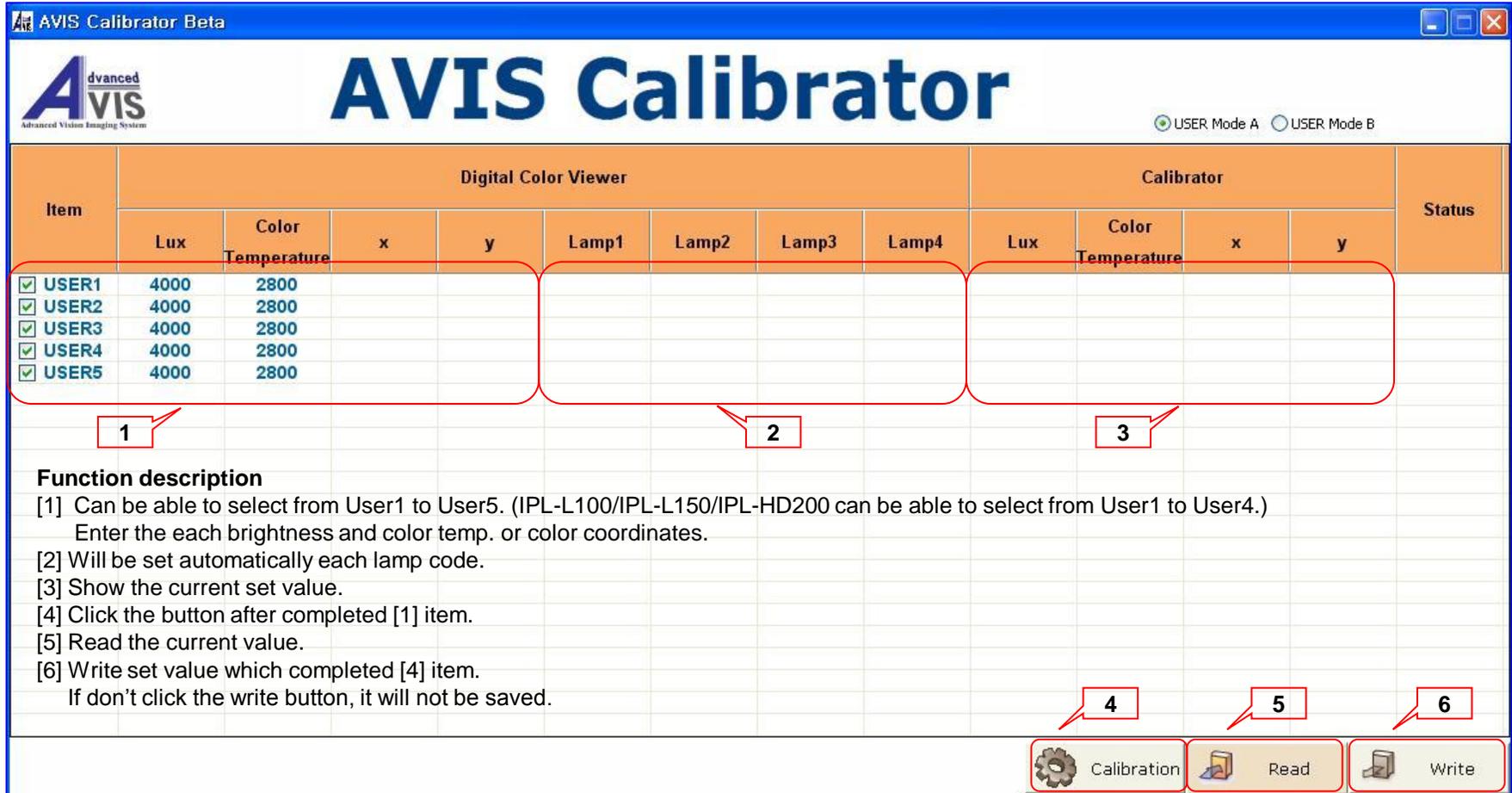
- ◇ Colorimeter (ex. CL-100) / Communication Cable (ex. RS-232 cable T-A11)

• AVL-A100 Block Diagram



PC Control Program

AVIS Calibrator Beta



USER Mode A USER Mode B

Item	Digital Color Viewer								Calibrator				Status
	Lux	Color Temperature	x	y	Lamp1	Lamp2	Lamp3	Lamp4	Lux	Color Temperature	x	y	
<input checked="" type="checkbox"/> USER1	4000	2800											
<input checked="" type="checkbox"/> USER2	4000	2800											
<input checked="" type="checkbox"/> USER3	4000	2800											
<input checked="" type="checkbox"/> USER4	4000	2800											
<input checked="" type="checkbox"/> USER5	4000	2800											

Function description

[1] Can be able to select from User1 to User5. (IPL-L100/IPL-L150/IPL-HD200 can be able to select from User1 to User4.)
Enter the each brightness and color temp. or color coordinates.

[2] Will be set automatically each lamp code.

[3] Show the current set value.

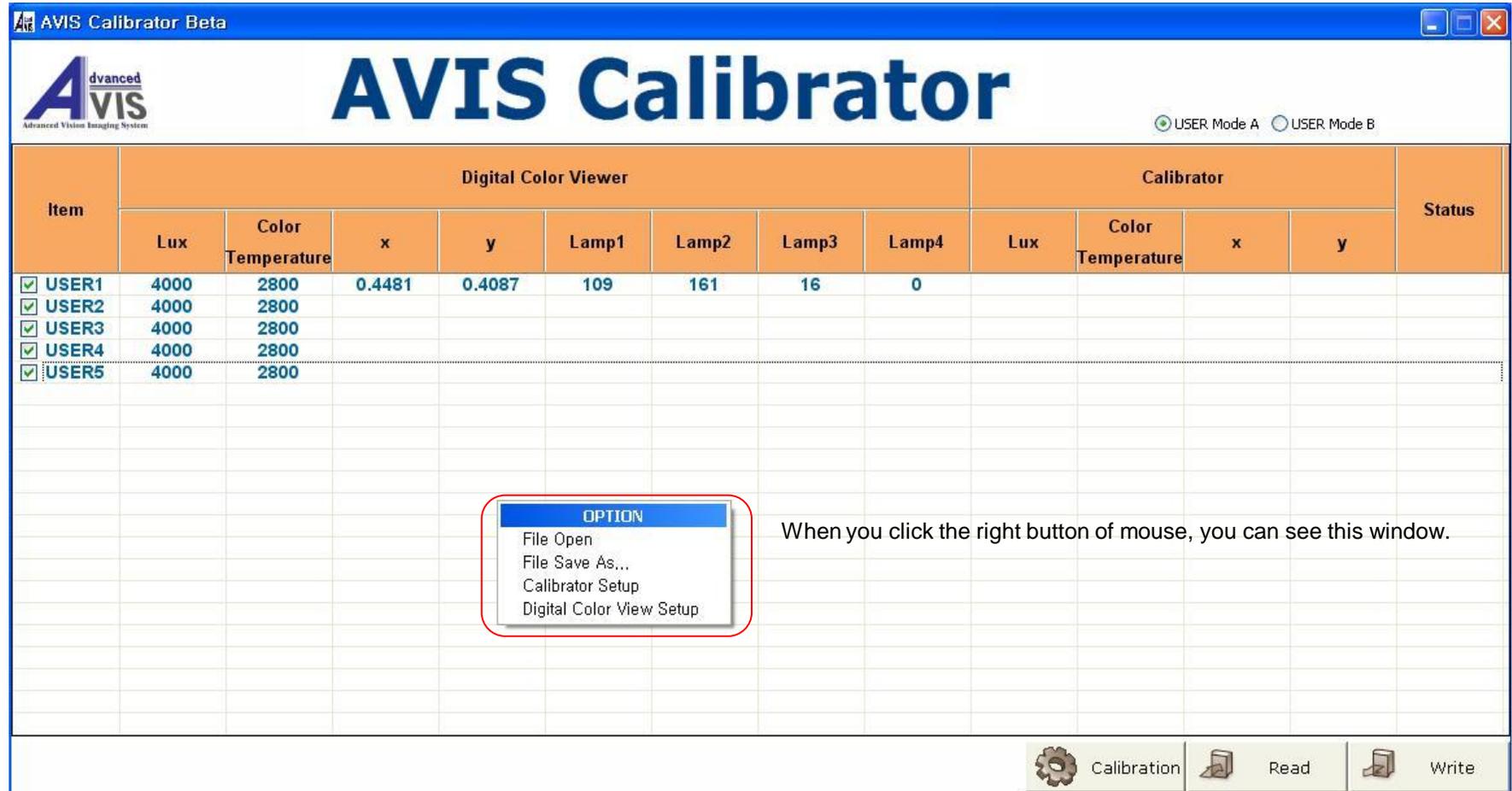
[4] Click the button after completed [1] item.

[5] Read the current value.

[6] Write set value which completed [4] item.
If don't click the write button, it will not be saved.

Calibration Read Write

PC Control Program



The screenshot shows the AVIS Calibrator Beta software interface. The window title is "AVIS Calibrator Beta". The main title is "AVIS Calibrator". There are two radio buttons for "USER Mode A" (selected) and "USER Mode B". The interface is divided into three main sections: "Digital Color Viewer", "Calibrator", and "Status".

Item	Digital Color Viewer								Calibrator				Status
	Lux	Color Temperature	x	y	Lamp1	Lamp2	Lamp3	Lamp4	Lux	Color Temperature	x	y	
<input checked="" type="checkbox"/> USER1	4000	2800	0.4481	0.4087	109	161	16	0					
<input checked="" type="checkbox"/> USER2	4000	2800											
<input checked="" type="checkbox"/> USER3	4000	2800											
<input checked="" type="checkbox"/> USER4	4000	2800											
<input checked="" type="checkbox"/> USER5	4000	2800											

A context menu is shown over the table, titled "OPTION", with the following items:

- File Open
- File Save As...
- Calibrator Setup
- Digital Color View Setup

When you click the right button of mouse, you can see this window.

The bottom toolbar contains three buttons: "Calibration" (gear icon), "Read" (document icon), and "Write" (document icon).

PC Control Program

AVIS Calibrator Beta





AVIS Calibrator

USER Mode A USER Mode B

Item	Digital Color Viewer								Calibrator				Status
	Lux	Color Temperature	x	y	Lamp1	Lamp2	Lamp3	Lamp4	Lux	Color Temperature	x	y	
<input checked="" type="checkbox"/> USER1	4000	2800	0.4481	0.4087	109	161	16	0					
<input checked="" type="checkbox"/> USER2	4000	2800											
<input checked="" type="checkbox"/> USER3	4000	2800											
<input checked="" type="checkbox"/> USER4	4000	2800											
<input checked="" type="checkbox"/> USER5	4000	2800											

OPTION

- File Open
- File Save As...
- Calibrator Setup
- Digital Color View Setup

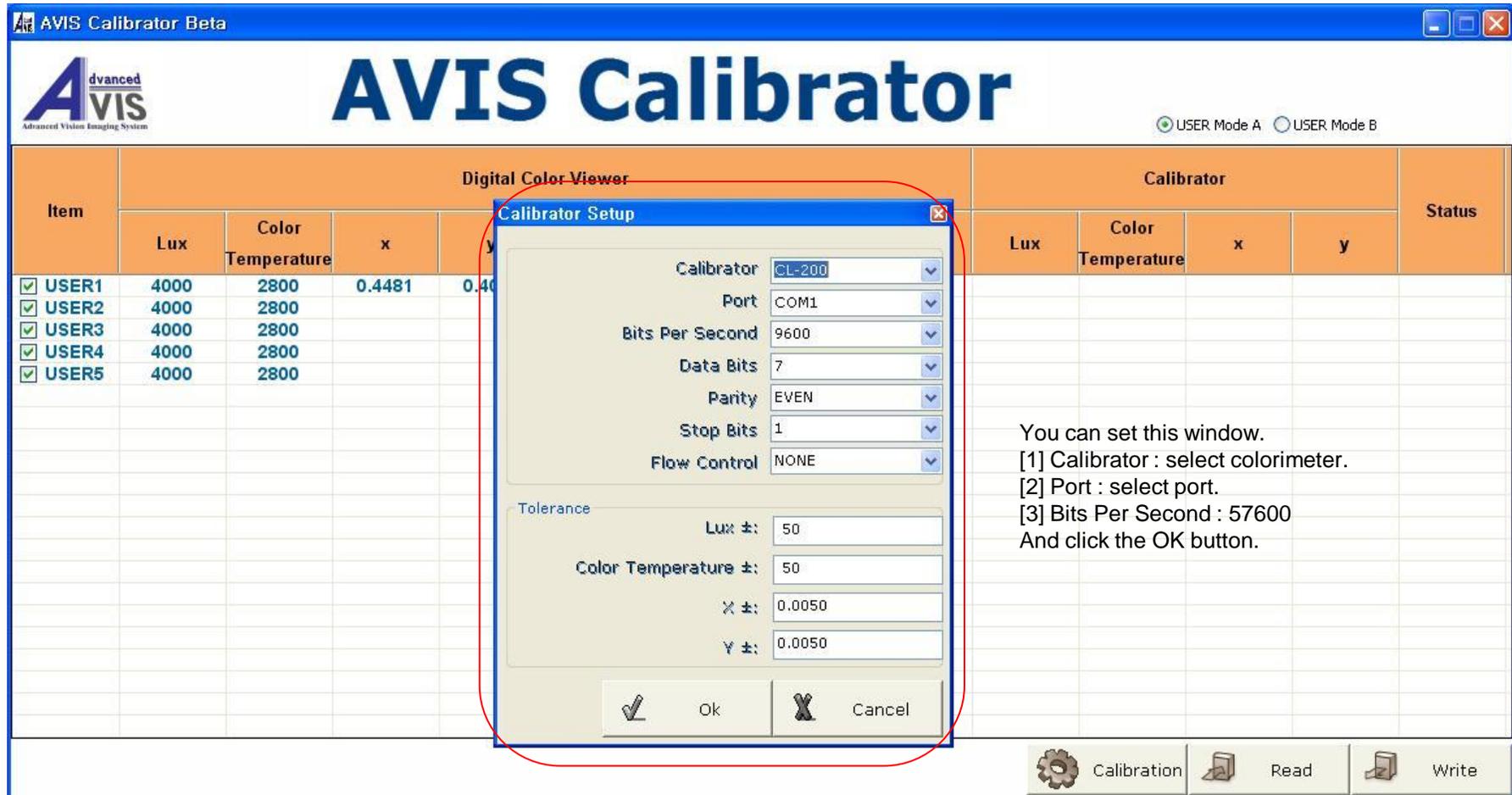
Select Calibrator Setup.

 Calibration

 Read

 Write

PC Control Program



Calibrator Setup

Calibrator: CL-200
 Port: COM1
 Bits Per Second: 9600
 Data Bits: 7
 Parity: EVEN
 Stop Bits: 1
 Flow Control: NONE

Tolerance

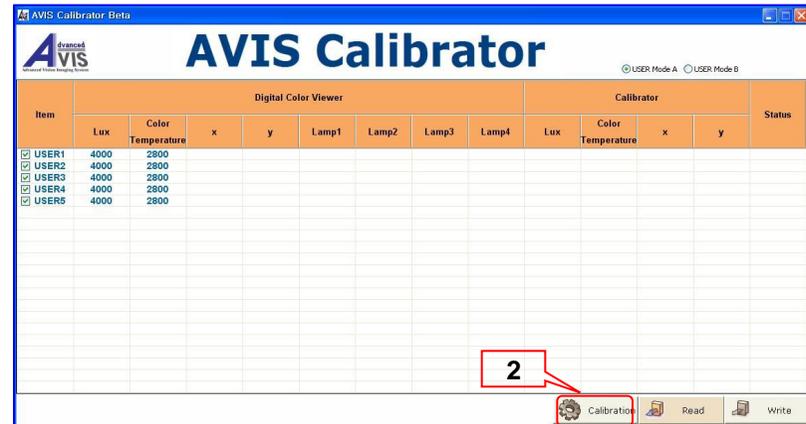
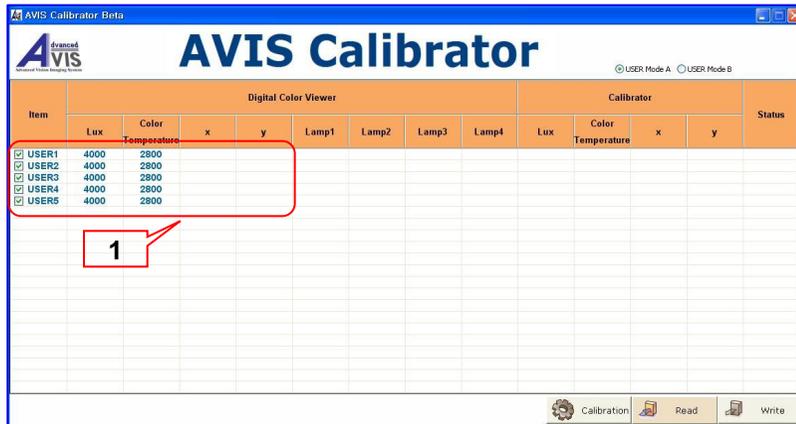
Lux ±: 50
 Color Temperature ±: 50
 X ±: 0.0050
 Y ±: 0.0050

Ok Cancel

You can set this window.
 [1] Calibrator : select colorimeter.
 [2] Port : select port.
 [3] Bits Per Second : 57600
 And click the OK button.

Item	Digital Color Viewer				Calibrator				Status
	Lux	Color Temperature	x	y	Lux	Color Temperature	x	y	
<input checked="" type="checkbox"/> USER1	4000	2800	0.4481	0.40					
<input checked="" type="checkbox"/> USER2	4000	2800							
<input checked="" type="checkbox"/> USER3	4000	2800							
<input checked="" type="checkbox"/> USER4	4000	2800							
<input checked="" type="checkbox"/> USER5	4000	2800							

1. Connect the RS232 cable(for colorimeter) to PC and CL-200.
2. Connect the RS232 cable(for LED color viewer) to PC and LED color viewer.
3. Bring CL-200 into contact with LED color viewer.
4. Run AVL-A100 program.



First, you can select and enter the each value which you wanted.

It can be set to color coordinates & brightness.

(It can't be set to color coordinates in Beta version. It will be implemented in next version.)

When you have finished entering the each value, click the calibration button.

AVIS Calibrator Beta

AVIS Calibrator

USER Mode A USER Mode B

Item	Digital Color Viewer				Calibrator				Status			
	Lux	Color Temperature	x	y	Lamp1	Lamp2	Lamp3	Lamp4		Lux	Color Temperature	x
<input type="checkbox"/> USER1	4000	3100			70	155	71	24	4015.0	3093	0.4264	0.3929
<input type="checkbox"/> USER2	4000	2500			145	155	4	27	3999.0	2514	0.4673	0.3995
<input type="checkbox"/> USER3	2000	9000			42	22	0	105	2014.0	9022	0.2971	0.2699
<input type="checkbox"/> USER4	4000	5100			0	39	177	40	4020.0	5090	0.3437	0.3654
<input type="checkbox"/> USER5	4000	7800			36	85	0	178	3995.0	7794	0.3049	0.2783

1

2

Calibration Read Write

You can see the above picture [1] after completed to set automatically.

If you want to save it, click the write button [2].

If you don't want to save it, don't click the write button.

You can download programs the latest controller software from AVIS webpage.
It can change the specification without any notice for the quality improvement.

Website : <http://www.yojet.com.tw>

E-mail : kevin@yojet.com.tw

Contact the product purchase consultation and general inquiries to our head office.

Head office : 886-2-2729-2660

MADE IN KOREA