LED Management V6.1 C1 Users Manual

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Manual for LED Management Tool V6.1C1

To working with LED screen of on-line system, our company developed a set of tool to meet the need of the customers who use on-line system.

1. Brief introduction

LED management tool V6.1 C1 works with LED management tool v6.1 to support V6 series system. It is used in plenty of V6 control systems to control the display of huge screen and display of the divided screen. It supports multiply USB output. This software is used to display anywhere on PC screen onto the LED screen synchronously. This software is used to adjust the brightness of each basic color by 256 levels. This tool can not only reset the color of the LED screen, but also make the LED screen display the green color which is power saving mode. By using the environment monitor, the tool can monitor the environmental brightness and humidity. In addition, locking the image of the LED screen and black screen shortcuts operation can be achieved by using this tool.

2. System requirements

2.1 Running condition

✧ Operation System

WinXP/2000

✧ Hardware

Minimum:

CPU: Pentium 133MHz or above

EMS memory: 32M or above

Graphics Card: standard VGA 256 color or above

Recommended:

CPU: Pentium 233MHz or above

EMS memory: 128M or above

Graphics Card: SVGA 16bit or above

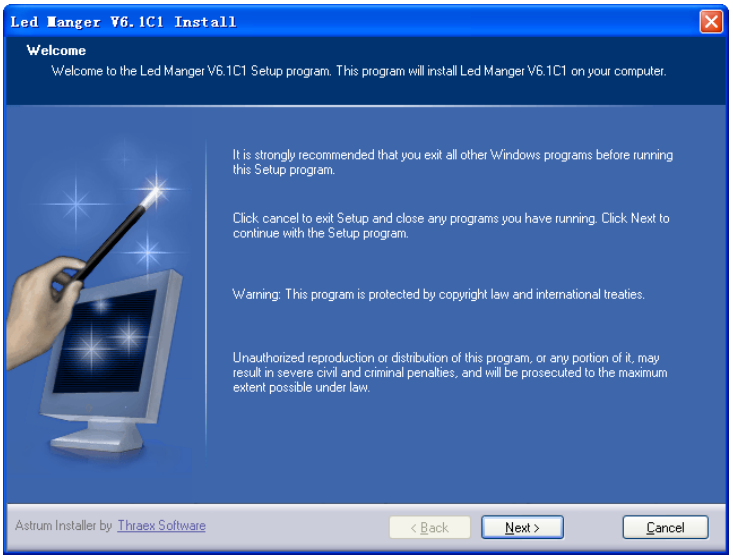
✧ Setting requirement

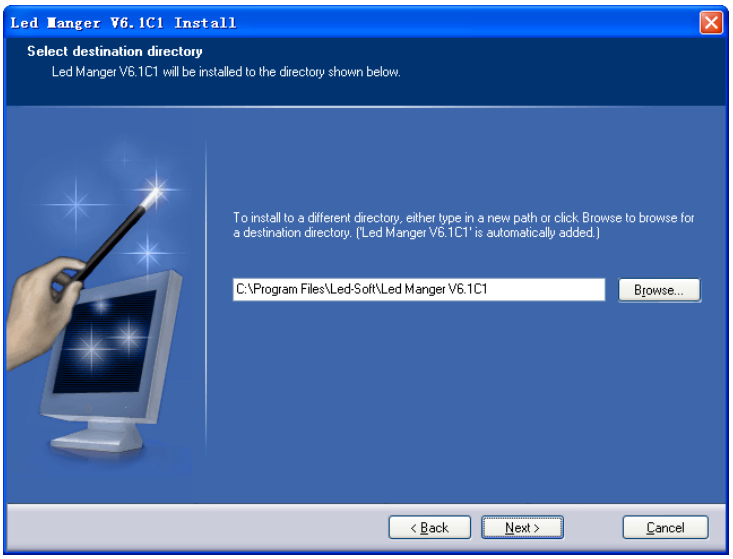
Resolution:1920×908, controlled by USB port

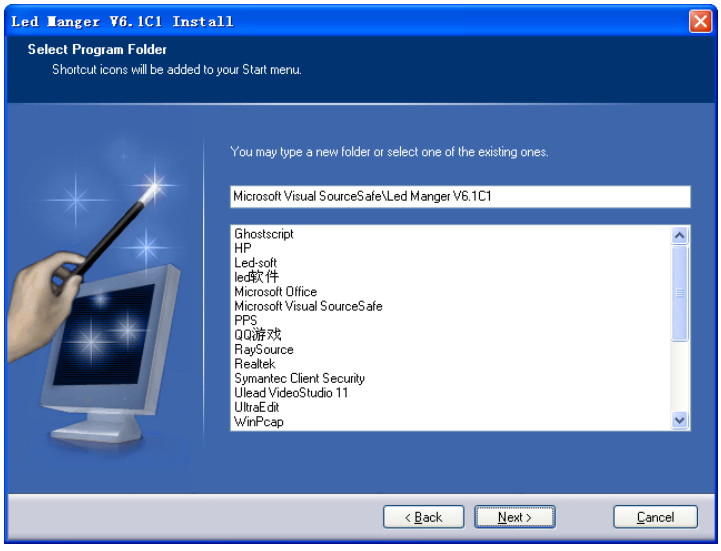
2.2 Installation

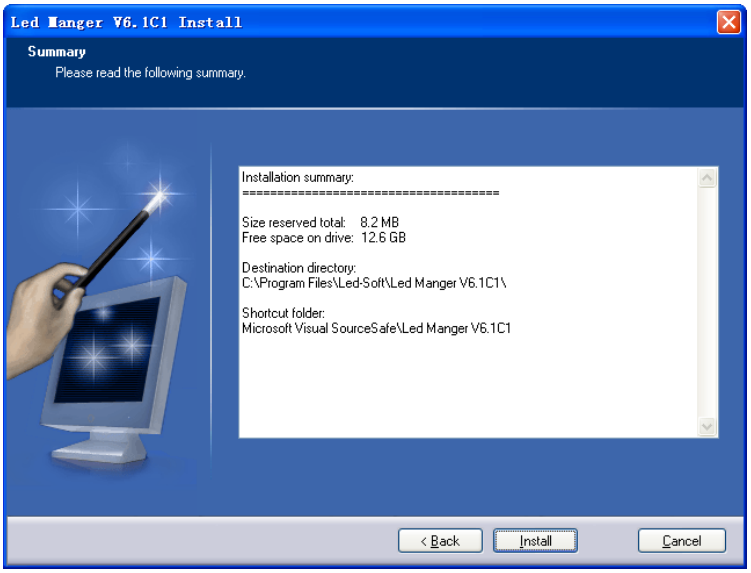
2.2.1 Software installation

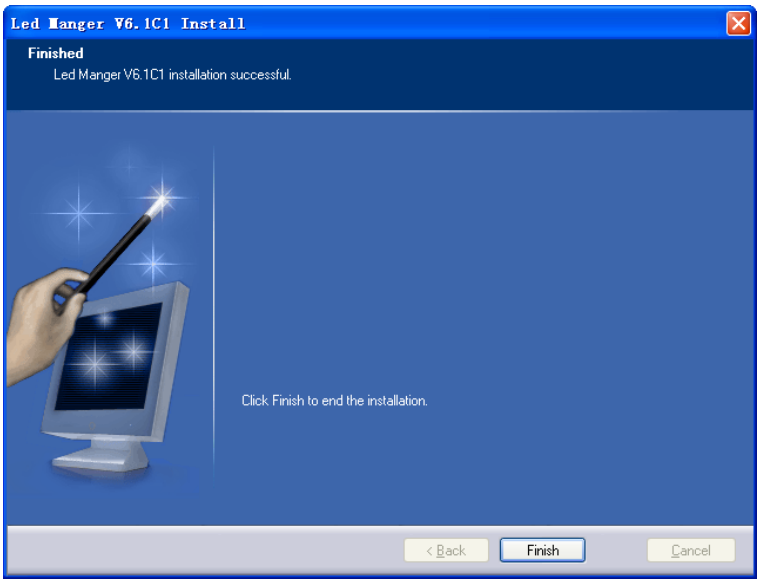
After double clicking LedManageV6.1C1_080606_01_setup_en.exe, the setup interface pops up. Follow the steps and hint below to complete the installation. If the destination directory need to be changed, follow the hint. The steps show below.


Led Manger V6.1C1 Install
Welcome
Welcome to the Led Manger V6.1C1 Setup program. This program will install Led Manger V6.1C1 on your computer.
It is strongly recommended that you exit all other Windows programs before running this Setup program.
Click cancel to exit Setup and close any programs you have running. Click Next to continue with the Setup program.
Warning: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Astrum Installer by Thraex Software
< Back
Next >
Cancel


Led Manger V6.1C1 Install
Select destination directory
Led Manger V6.1C1 will be installed to the directory shown below.
To install to a different directory, either type in a new path or click Browse to browse for a destination directory. ('Led Manger V6.1C1' is automatically added.)
C:\Program Files\Led-Soft\Led Manger V6.1C1
Browse...
< Back
Next >
Cancel


Led Manger V6.1C1 Install
Select Program Folder
Shortcut icons will be added to your Start menu.
You may type a new folder or select one of the existing ones.
Microsoft Visual SourceSafe\Led Manger V6.1C1
Ghostscript
HP
Led-soft
led软件
Microsoft Office
Microsoft Visual SourceSafe
PPS
QQ游戏
RaySource
Realtek
Symantec Client Security
Ulead VideoStudio 11
UltraEdit
WinPcap
< Back
Next >
Cancel





After click “finish”，a dialog will pop up shown below:

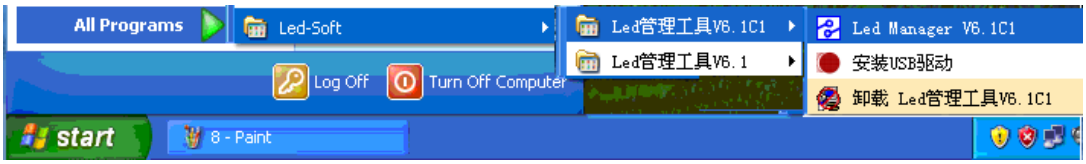
Attentions:

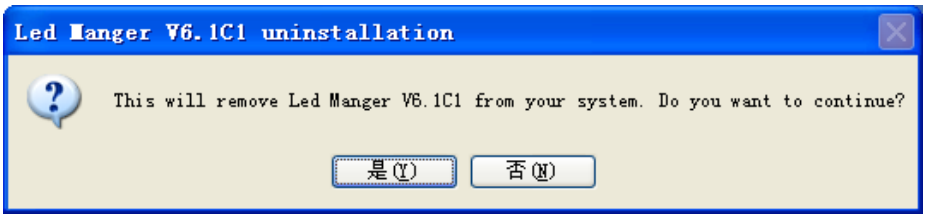
Copy the install file to local HD is recommended.

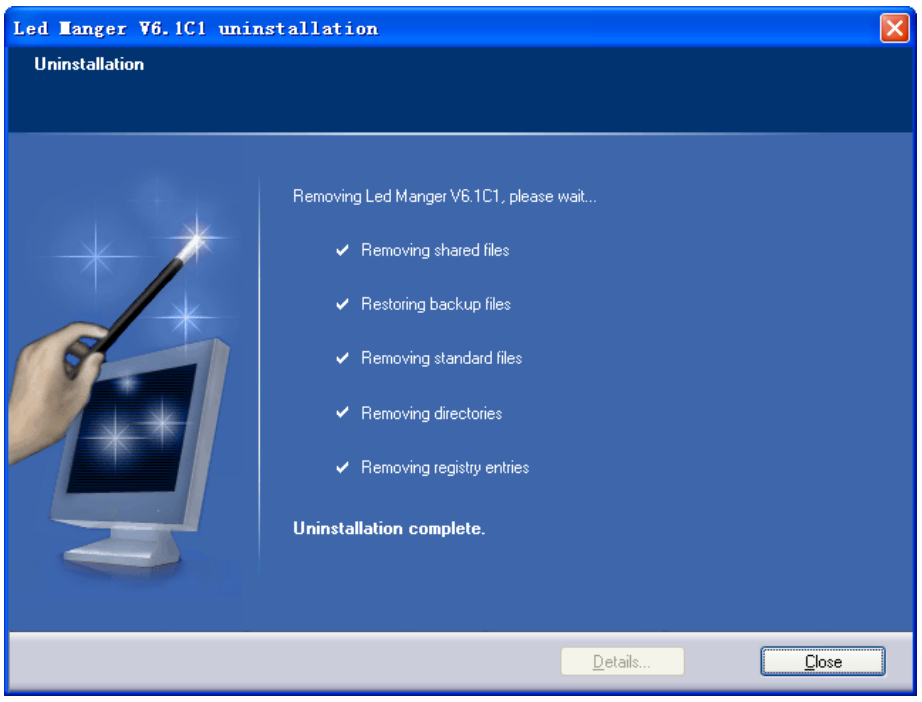
After the installation, drag the installation program to “Start” under “Program”, in order to open the file automatically when the computer start to work.

2.3 Uninstall

Follow the steps below to complete uninstall.

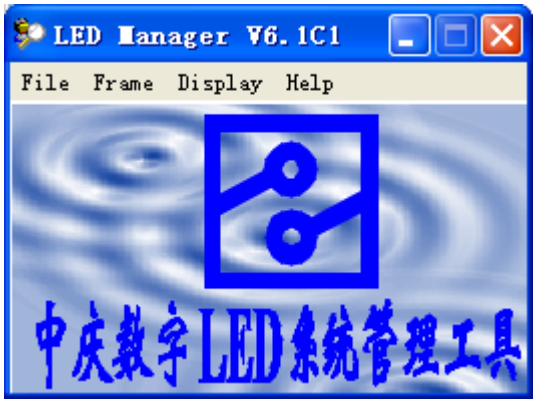






3. Introduction to LED management tool V6.1C1

After install the LED management tool, run the software and click the icon of the software in the tool bar to enter the main interface shown below.

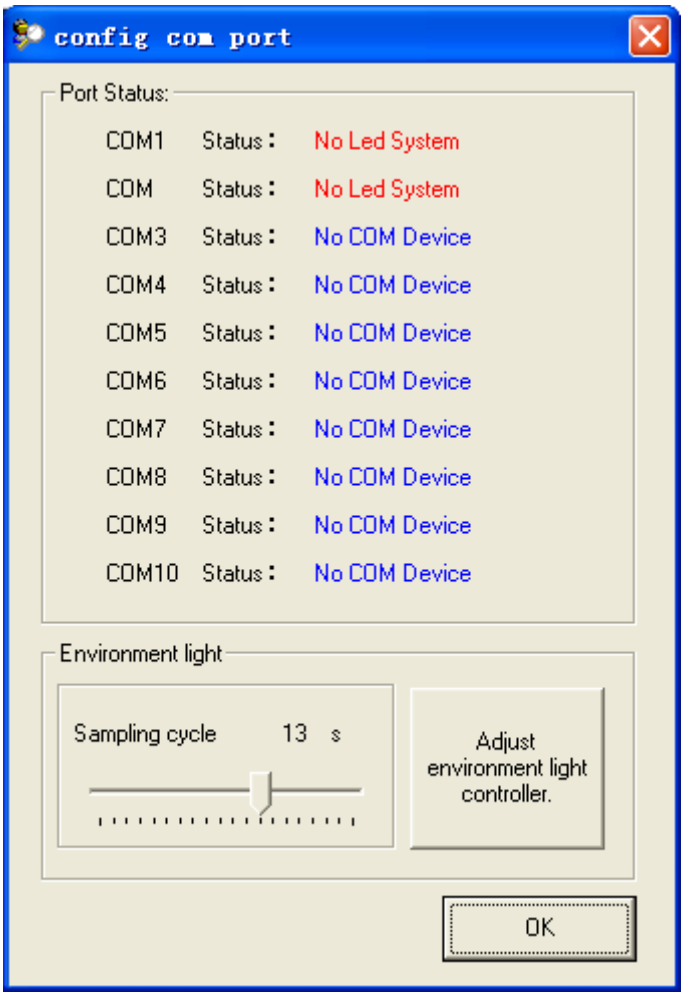


Parameters setting shown below supports the software work well.

3.1 Serial port connection checking

When the software start to run, it searchs the usable port automatically, then connects with the port. Software can check the number of current systems and the status of their ports to confirm if all the systems are connected well.

When the main interface of LED management tool is active, press “Ctrl” + “Alt” + “Shift” + “F7” the dialog shown below will pop up.

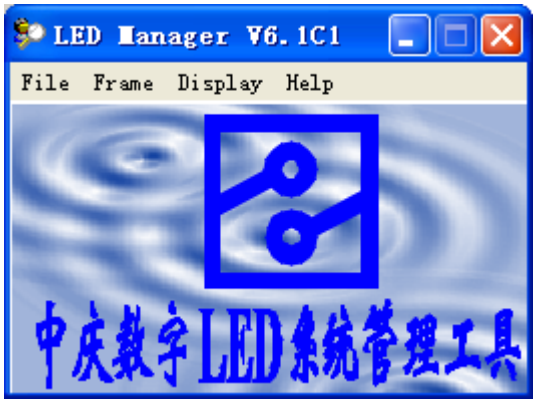


"conneted" in the interface means current usable system. "None" means the software can not use this port, which means the system do not connect to the port. "unconnected" means the system is recognized by PC, but there is error on the communication.

Attention: Normally, COM1 or COM2 are open by default, so these port may be recognized as "unconnected".

3.2 File

Click "file" on the main menu of the LED management tool. The functions show below.



- Minimize: After click, a tick would appear before the option. If users restart the program, the software will be in the task bar, only after users click the icon, the main menu will appear again. Click the option again, the tick disappears, after restart the program, the main menu will be displayed.
- Timing black: To use this function, users should double click LED.INI which is in the INI folder under install directory, and find the location below.

```
Offset7 = 100
Offset8 = 100
Offset9 = 100
Offset10 = 100

[AutoBlack]
upHour = 7
upMin = 30
DownHour = 19
DownMin = 30
AutoBlackEnable= 1
```

"upHour" and "upMin" under the [AutoBlack] are used to set the start time of the black screen, and "DownHour" and "DownMin" are used to set the finish time of the black screen. For example, if the time interval of black screen is from 9:24 to 15:32, then upHour

should be filled in 9, upMin should be fill in 24, DownHour should be filled in 15, and DownMin should be filled in 32. After connect to the screen, click “timing black”, if there is a tick, the timing black function started, whereas, it does not.

Attention: make sure the data in INI is right, and the upper limit is different from lower limit. If it needs to be rewrite, close the program, then rewrite the data, whereas, the program won’t work well. When the screen is black, the “black” command in “display” menu is still available.

- Quit: click to quit the program.

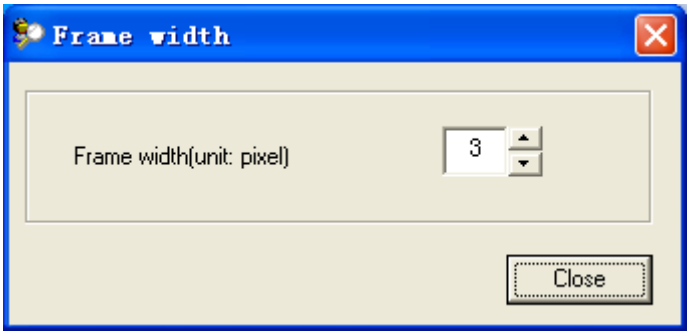
3.3 Interface

After setting the screen parameter, click “OK” and the icon in the task bar in the lower right corner. Then the main menu will pop up. The description of the menu in the management tool is shown below.

- Show Frame: Choose if display the frame of the LED management tool on the screen of PC. If there is a tick before the “Show Frame”, the frame displays. Click the option again, then the tick is removed which means the frame is hidden.

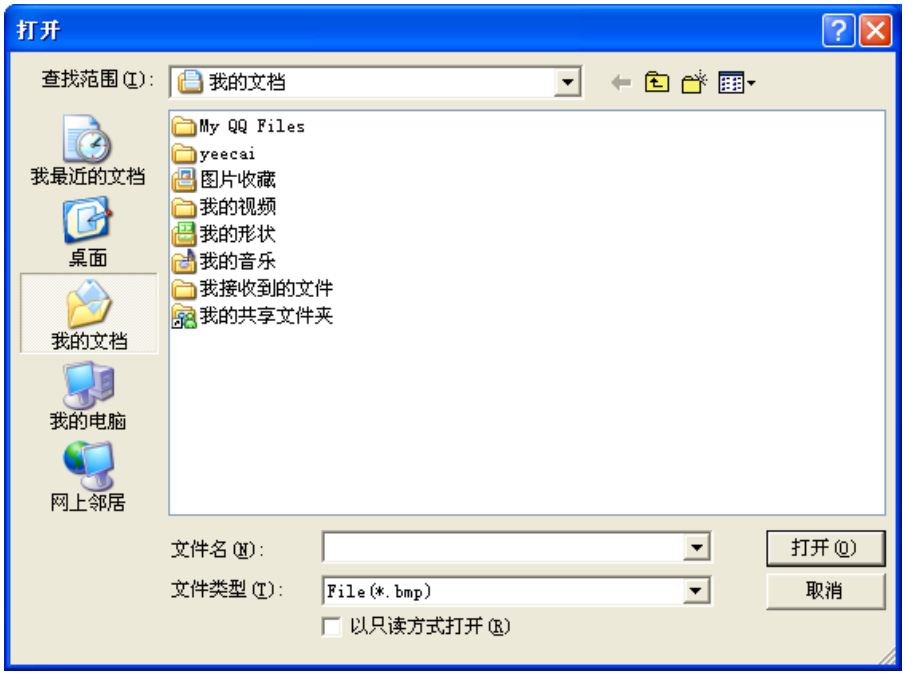
- Frame Width: After click, the dialog shown below pops up. The unit of the input number is pixel.

Attention: The display region is inside the frame. Changing the width does not affect the displaying content.



- Frame Color: After click, you can select a color from 48 colors as the frame color. Users also can define their own color by clicking “Define custom color”. Drag “◀” to change the brightness of the color, then click “add to define custom colors” to store the color. Users can change the color, saturation and the brightness to define a color. The max number of defined color is 16.

- Background: To select the background of the main menu. Click "Background" a dialog which is used to set the directory of the background graph pops up. The format of the graph should be bmp, jpg and gif. The graph should be 261×151.



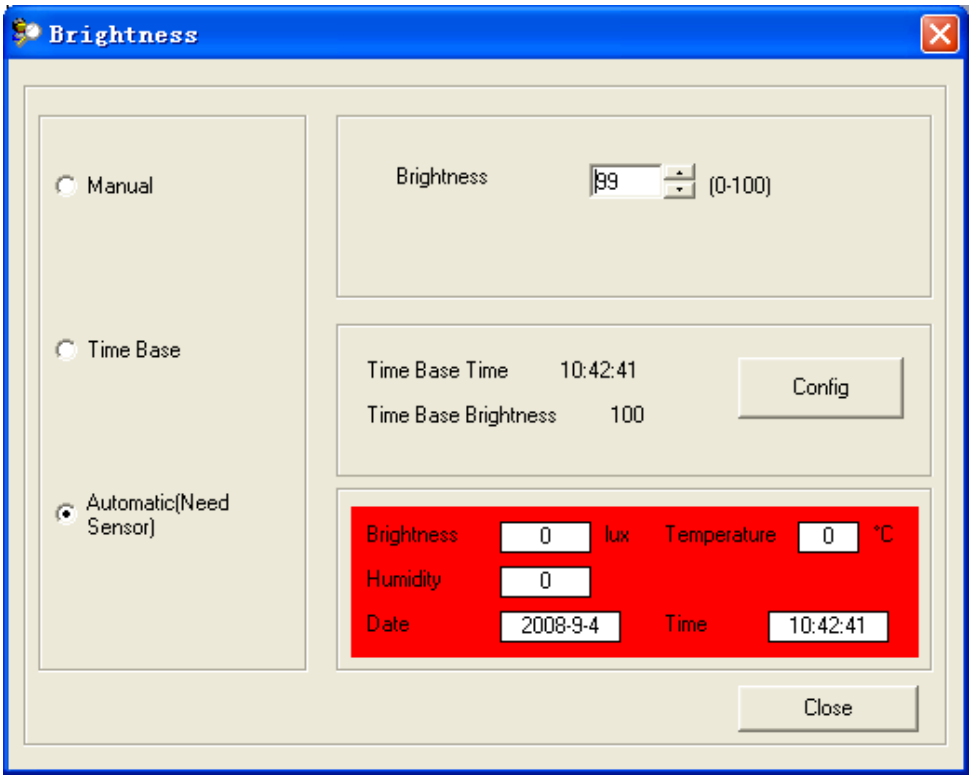
3.4 Display

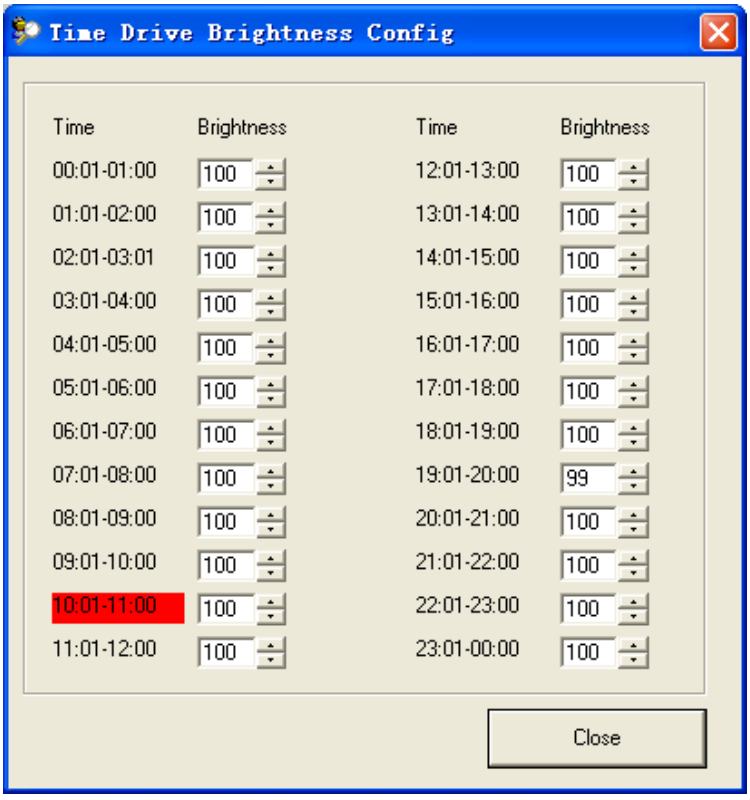
Click "display", the menu shown below will pop up

- Black Screen: After click, a tick comes out in front of the option, and at the same time the LED screen turn to black which means no data input into the LED screen. Click again, the tick disappears and the LED screen displays the graph shown in the PC screen again synchronously. When the main menu is displayed or the dialog is minimized, the shortcut “Ctrl” + “Q” will blacken the LED screen.
- Lock: After click, there is a tick comes out in front of the option, and at the same time the LED screen is locked. After another click, the tick disappears and the LED screen display synchronously. When the main menu is displayed or the dialog is minimized, the shortcut “Ctrl” + “L” will lock the LED screen.
- Virtual Effect: If the virtual mode is selected in the “LED screen setting”, this option will not be in the menu. After click, there is a tick appear in front of the option which means that it is shown in virtual mode, whereas it is shown in solid mode. If “three colors” is chosen in the “LED screen setting”, the option will not in the

menu.

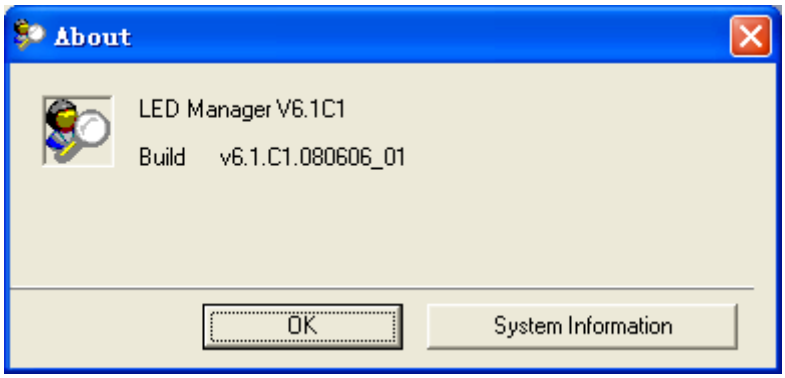
- Brightness adjustment: click “brightness adjustment”, brightness adjustment dialog will pop up. There are three choices, manual adjustment, timing adjustment, and environmental adaptive adjustment. The default method is environmental adaptive adjustment. When user choose manual adjustment, input the number directly or click the arrow on the right side to adjust the brightness of 100 levels and the chip lightness of 15 levels. When timing adjustment is chosen, a dialog shown below will pop up after click “timing brightness adjustment”. The time is divided into 1 hour’s interval. Users can adjust brightness of 100 levels. The current state is in the red region. After setting the software will adjust the brightness of the screen automatically according to the time. When environmental adaptive adjustment is chosen, environmental brightness adjustment of the system will be in operation after the detector is well connected. The brightness will be adjusted according to the environment. Current environment brightness, humidity, data, time and temperature will be shown in the dialog.





3.5 Help

Users can get the version information from clicking the “about” in the drop-down menu of “help” option.



3.6 Environment detect

The software can detect the environment from environmental brightness controller. The sampled data of temperature, brightness will be stored in the envir.ini in the install directory of the management tool. This file which is open to the users is the interface between users and the software. It supports detect function and function development. Its default path is c:\Program File\led software\Led management tool V6.1C1\ini. The content of the ini file is shown below.

- 1[Environment]: environment(the head of the file)
- 2EnvTemperature=0: value of environmental temperature
- 3EnvBrightness=0: value of environmental brightness
- 4EnvHumidity=30: value of environmental humidity(this is not in use currently)
- 5EnvChipLight=6: gray level

3.7 Running details of the program

When the software starts to run, series port and ini file will be

detected, and all the parameters will be set by ini file. After starting the program, the main interface will be minimized into the tool bar of widows.

4. FAQs

4.1 FAQs

- If the PC doesn't connect with the controller, the dialog of system working status will pop up. If "communication error , please connect controller and restart the Manager" is displayed in the dialog, the connection between PC and frame controller is in error, then the USB port communication link overtime. This is because the connection between USB port and PC is not OK or the USB port is not connected. Please check if the USB port and PC connect well and turn on the power swith.

- If the brightness is low, check the parameters of the brightness.
- The difference between brightness adjustment and chip brightness adjustment: chip brightness adjustment has 15 levels to adjust, but brightness adjustment has 100 levels to

adjust. The function of chip brightness adjustment has to be compatible with the system.

5. Appendix(function list)

Function list			
version	V6.1C1		
Main menu	**Inferior menu**	**Function description**	**Remark**
File		**Setting**	
	Automatically Minimize	设置软件启动时是否最小化窗口	
	Timing black	To set if blacken the screen	
	Quit	Quit the program	
Interface		**Setting the display frame**	Setting the property of the frame No need to communication
	Frame color	Setting the color of the frame	
	Frame width	Setting the width of the frame	
	Frame display	Display/hidden the frame	
	Background	Setting the background of the main interface	
Display		**Setting the parameters of display**	Need to communication
	Black	Blacken the screen	
	Lock	Lock the image of the screen	
	Brightness adjustment	● Manual brightness adjustment:	

		0－100 brightness adjustment 0－15 chip brightness adjustment ● Timing brightness adjustment: 0-100 brightness adjustment per hour ● Environmental adaptive brightness adjustment: Controlled by controller of the environment brightness detector	
Help			No need to communication
	About	Show the version of the tool	