

# Picture Sign

## Color\_led v1.0 Operation Manual

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# Chapter 1:Summary

## Main contents

- Software functions
- Software features
- Software run Environment

From this chapter, we will introduce color led 1.0 software particularly. it is a development as our company software. from single color,double color to real color screen display.the more functions, the more features. this chapter introduce start from its functions and features, it will much better for readers to learn and use this software.

## 1.1Software functions

- screen display region may separate many regions, it may broadcast different contents. (at most 10 regions)
  - It may display 1000 programs, every program sustains 200 pieces of news. (but it is relation to stored capacity,every program should less than 64k)
  - It support real time information broadcast. (new program)
  - It support old information update. (new program displace old program)
  - support files type: HTML(txt)files(HTM), BMP files,PNG files,JPG files,AVI files,TIM files,AT filesfor TIMING,ZPF files.
  - it contains clock, it may display date and time.
- System adjust time: it used computer to adjust time, update screen and display inner clock.
- 14 kinds of display ways. 8 kinds of moving speed.(from high to low)
- Software send timing list.
  - Program contents save in led screen and link to computer.

## 1.2Software features

- Outdoors three color. (red green blue three base color)
- appearance size general according to your need. Unti: pixel
- Angle of view:around: 90 degree.updown:30 degree. If led screen lose electricity after reboot it may auto display as follow planned.
- Color and greydegree: three display screen show base color red green and blue, every color every dot have 256 grade greydegree, may display 65536\*256 kinds colors.
- Information show: as follow this:
- broadcast file: as follow this:
- contorl: asynchronous control:
- communication connect: ①RS232 way,series communicate way; ② net communicate: ③Modem communicate
- agreement type:communicate connect is using simple series communicate agreement,.broadcast program may use control

files and program files.

## 1.3 Run Environment

The computer must be Pentium 200 or above, 32M or above display memory, 100M empty hard disk. The computer must be installed Windows 95 or above version. The display mode is designed for 800\*600, 16, 24 or 32 bit colors.

## 1.4 Conclusions

This chapter mainly introduces this software's functions and features. Then we also introduce the software running environment. After learning this chapter, readers will have a basic knowledge about this software.

# Chapter 2 :Fast start tutorial

## Main contents

- About Color led v1.0 software menus
- About link color led v1.0 hardware
- Execute color led v1.0 software

If you use a software, you must accurately fix on the computer. so you may use it conveniently. This tutorial will introduce you to operate the software. First you may build a new program file, then build timing file, html file, tim file, picture file and so on. these files add into program file if you want to display picture, character or time. follow this guide, you will get what you want. this tutorial will introduce you this process from setting up the software to execute this software.

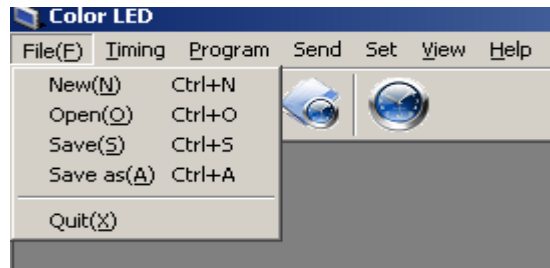
## 2.1 About color\_led v1.0 software menus

◆ The first step is open color\_led software and create a chain of files, a chain files contain program files, timing files, tim files and picture files and so on. In main file, It has seven menus: File, Timing, Program, Run, Set, View, and About.



Picture 2.1 【main menu】 dialogue

## 2.11 submenu of file menu



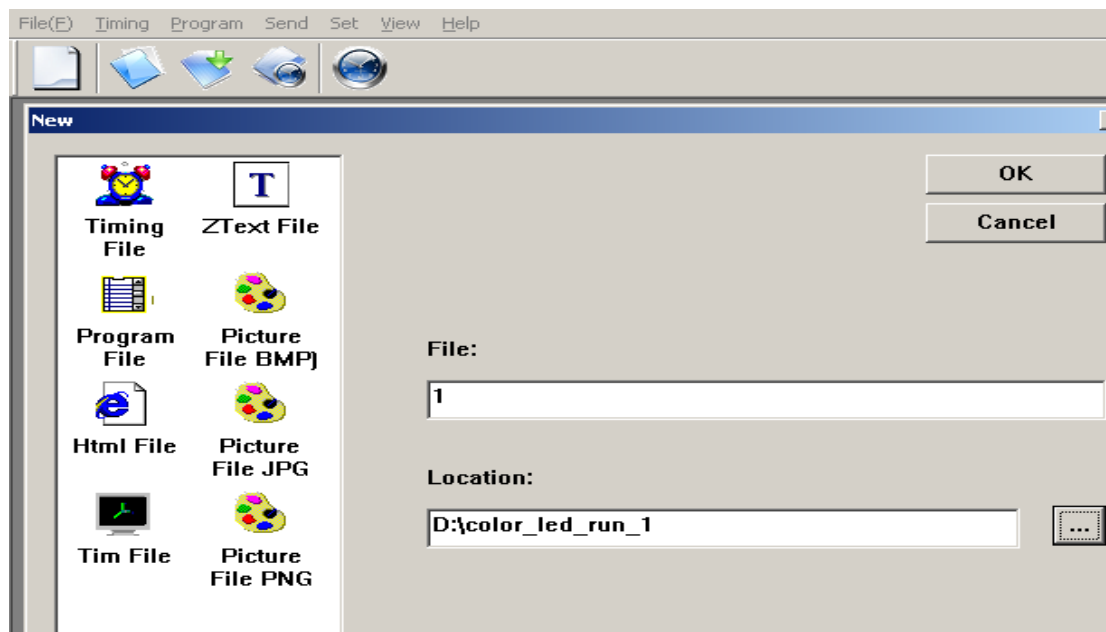
Picture 2.2 【FILE menu】 dialogue

## 2.111 【NEW】

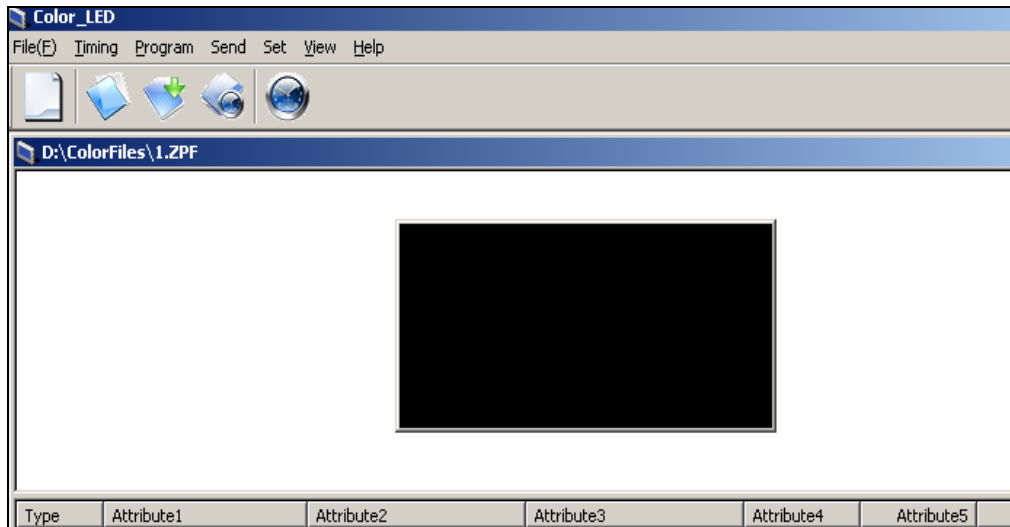
◆ To create a new chain files, the software first need to be launched the software either from desktop icon or the start .....programs menu. it has three ways to build a new file: one is open command under file menu, two is clicking on



rectangle shortcut button, the third is using shortcut key “ctrl+n”. it will all display the same dialogue. For example you press program file icon, choose the file’ s location of saving, then add a file name, then press Ok key button, it will turn up a program file dialogue box.



Picture 2..3 【 NEW 】 dialogue



Picture 2.4 【 program file】 dialogue

## 2.112 【OPEN】

- ◆ To open existing files or saved files, it has three ways: one is using open command under file menu, two is using

shortcut key “ctrl+o”, three is clicking on inclined rectangle shortcut button



## 2.113 【SAVE and SAVE AS】

- ◆ To save files: these chain files should now be saved by selecting the save or save as command in the file menu or by

clicking on the save shortcut button



.or you may use shortcut key “ctrl+s”, about save as you may use shortcut key

“ctrl+a” or shortcut button



this two have a little different, save is general first save, and save as you may save to another path. in generally speaking, they are similar.

## 2.114 【EXIT】

- ◆ To exit Running environment.

## 2.12 submenu of timing menu



Picture2.5 【TIMING】 dialogue

## 2.121 【PREVIEW】

- ◆ To preview is looking through its effect on this screen ,If you feel its effect isn’ t good, you may change it at any



moment.

## 2.122 【CLOSE】

- ◆ To close this timing file. but you must have existing files, otherwise this menu is unactive.

## 2.13 submenu of program menu



Picture 2.6 【PROGRAM】 dialogue

### 2.131 【ADD region】

- ◆ when you press right mouse beside the blank, it will turn up an active pane, at top left corner it has a figure, when you add a region ,the figure will add one, it may add up to 9, it is to say it may add 10 regions.

- ◆ This pane' s shape may change when mouse on this figure, it will turn up a foursquare icon, then you change its size, or mouse on this pane' s others edge, it will turn up a horizontal or vertical icon, you also change its size.

### 2.132 【DELETE region】

- ◆ To delete a region: if you think it is not fit, you may delete it at any moment. Make sure this region is activating.

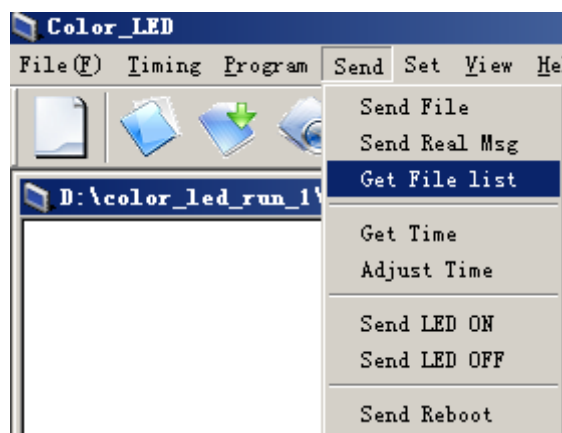
### 2.133 【EDIT region】

- ◆ To edit a region : it is a exactitude location, it has X coordinate and Y coordinate, width and height parameter setting.

### 2.134 【PREVIEW】

- ◆ To preview function: if you have set this well, you may look through its effect.。

## 2.14 submenu of send menu



Picture2.7 【SEND】 dialogue

### 2.141 【 SEND FILE】

◆ To send list: you may choose you want to send program files list to display. you may look through them and send them on display screen.

## 2.142 【SEND REAL MSG】

◆ To send real msg: you may inform a notice or message. it has the high priority. when it turn up, it will stop others display and display this msg, it is mainly using on some important information announces.

## 2.143 【ADJUST TIME】

◆ To adjust time is according to computer system time.

## 2.144 【 GET THE INFORMATION OF DOWN COMPUTER】

◆ you may get down computer more information.

## 2.145 【GET THE TIME OF DOWN COMPUTER】

◆ you may get the time of down computer

## 2.146 【SET LED ON】

◆ start screen display.

## 2.145 【SET LED OFF】

◆ close screen display.

## 2.147 【SET REBOOT】

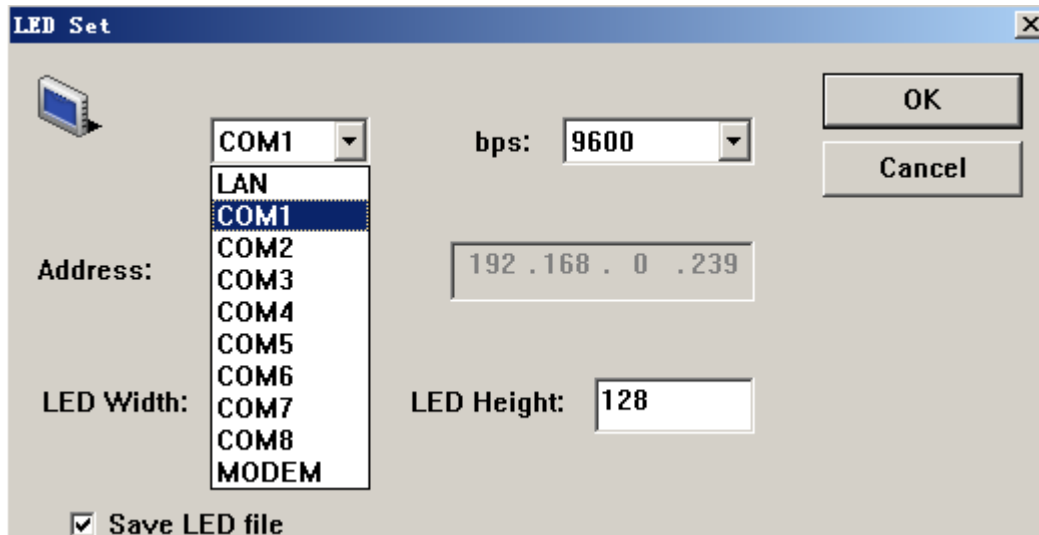
◆ to set reboot your display screen again.

## 2.15 submenu of set menu



Picture 2.8 【SET】 dialogue

## 2.151 【LED SET】



Picture 2.9 【 LED SET 】 dialogue

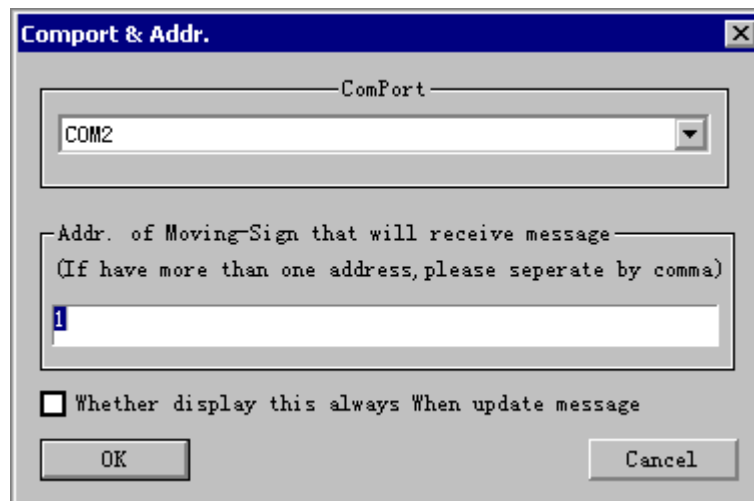
◆ To led set : in this dialogue pane, you may set this display mode: one is passing LAN communication, you need to input IP address. the other is passing series port communication, you need to set start address code and bps. In a word, these two modes you both need to set led' s width and height according to your display screen.

But this setting have a limit(height less than 256,width less than 256).

## 2. 1511series communicate way

.Execute this command to select the communication baud rate when transmitting messages.The default baud rate setting is 9600 BPS. If need other rate,you may choose you need. This command allows for selection of the Serial Communication Port number and the Sign ID Address that the PC will talk to.

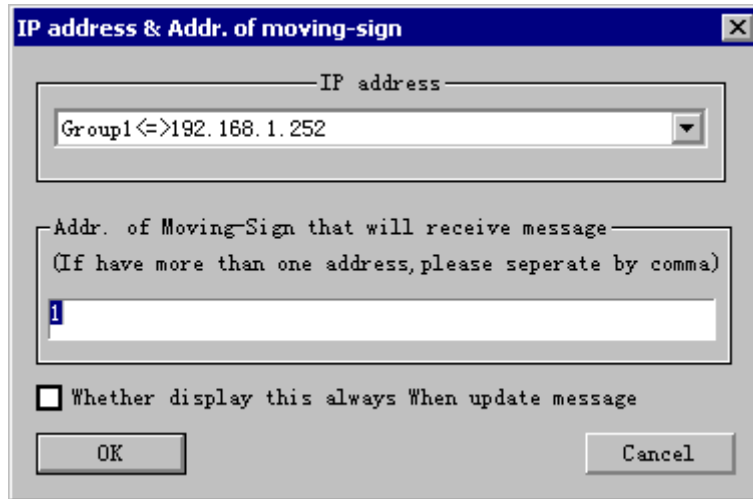
If use cables to connect signs into a network (checked the 232 ), it will display a dialog as below:



Picture 2.10 【 SERIAL COMMUNICATE 】 dialogue

*ComPort* –select the communication port on your PC that connects to cable. The one side of cable is connecting this communication port on PC; the other side of cable is connecting Signs. This cabling transmits messages to each signs.

If connect one or more signs to a Local Area Network (LAN) using Ethernet Adapters , it will display a dialogue as below:



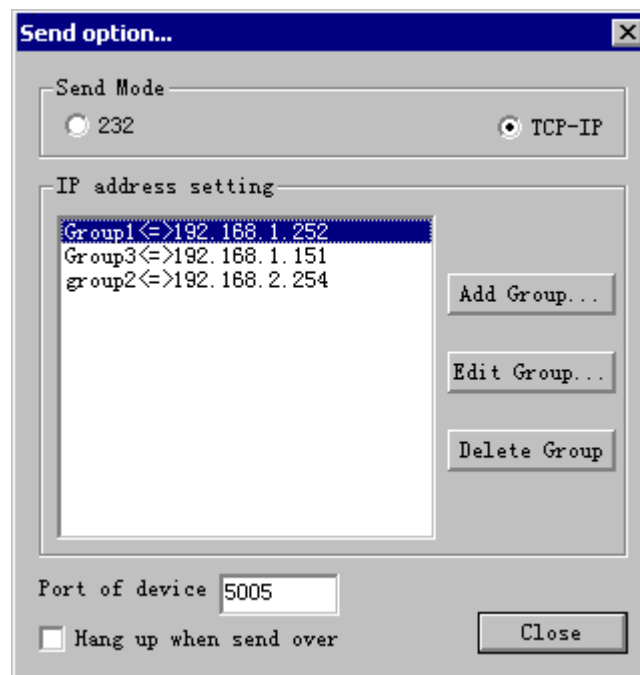
Picture 2.11 【IP ADDRESS】dialogue

**IP address** - select the IP address assigned to Ethernet Adapters, which is connected with Signs you will talk to. To finish setting up a Local Area Network (LAN) connection, you have to set up a group at first.

#### 2.1512 LAN communicate way.

First the network of display screen and personal computer must link in the same local network, the IP setting of display screen as 192.168.0.239, the IP setting of personal computer as 192.168.0.xxx. for xxx may set yourself, but need to use command Ping 192.168.0.xxx, if have reply, it expresses the IP setting may normal communicate, if turn up request timed out, it expresses the IP setting may not normal communicate, you need to set it over again. The TCP/IP allows you to connect one or more signs to a Local Area Network (LAN) using Ethernet Adapters. Before user can transmit messages to Signs by Local Area Network (LAN), user must configure Ethernet Adapter correctly.

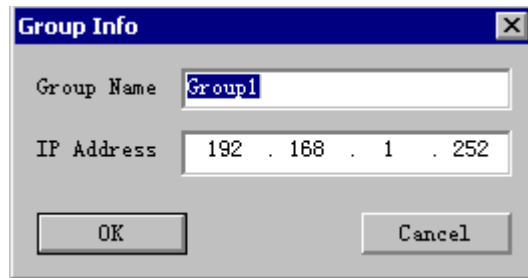
When execute this menu command, it will display a dialog as follows:



Picture 2.12 【SEND OPTION】dialogue

If use Local Area Network (LAN) to transmit messages to Moving-Sign:

- ✧ First, **TCP-IP** radio button must be checked.
- ✧ Second, set the IP Address. Select **Add Group...** will display a window as below:



Picture2.13 【 GROUP 】 dialogue

For **Group Name**, type **Group1**. Purpose of **Group Name** is just easy remembering the IP address.

**IP Address** - Specify the 4-node Internet Protocol address for the Ethernet Adapter connected to Sign to which you will talk .See your network administrator if you don't know this address.

Select **OK** to affirm this setting, and **Group1 ⇔192.168.1.252** will appear in **IP Address setting**.

If you want to change or delete the IP setting, make sure **Group1 ⇔192.168.1.252** is highlighted as above and then select **Edit Group** or **Delete Group**.

- ✧ Third, input the port of device. This value must be same with Ethernet Adapter's setting. The default setting is 5005. Please refer to NetJetSetting manual to learn about how to set IP port for Ethernet Adapter.

After entering all settings, select **Close** to exit.

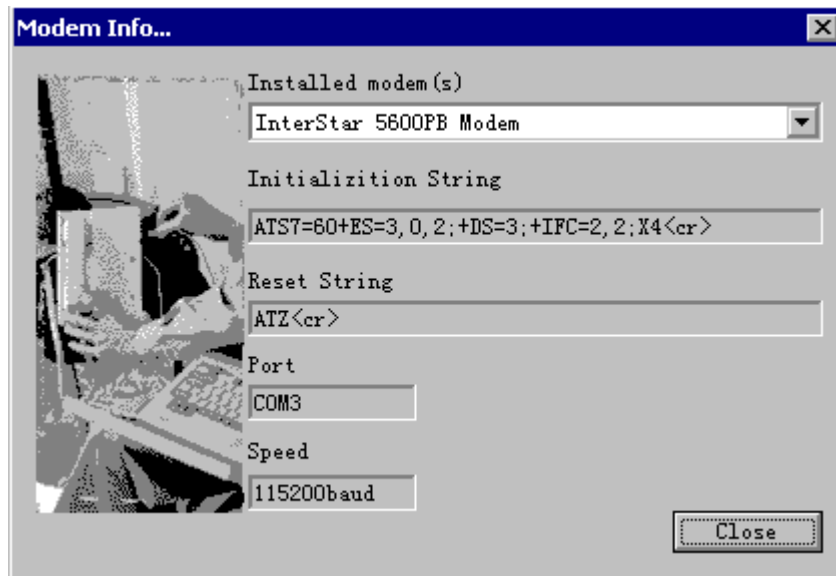
When transmit messages to Moving-Sign, program will call the remote Ethernet Adapter, and set up the connection automatically.

If **Hang up when sending over** is checked, it will hang up the connection automatically when messages are transmitted over.

### 2.1513 moden communicate way

Modem (or "remote") connection- Typically, this method is used when the signs you wish to transmit messages to are signs that are not in the building (or city, etc.) as your PC. In this type of connection, a modem is attached to your PC and another modem is attached to one or more signs at the other location. At times, which you specify, messages are transmitted to the signs when the PC modem, "call" the signs' modem.

When executed, it will display a dialog as follows:

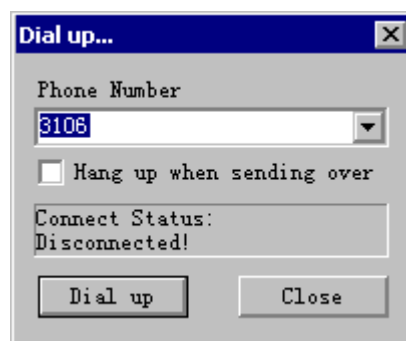


Picture2.04 【MODEM】dialogue

**Installed modem(s)** - list all modems installed in PC. If PC has installed more than one modem, user must select one modem as the default modem which to be used to transmit messages to Sign.

#### 2.1514 Dial by Modem

If use modem to transmit messages to Sign, user must connect PC to Sign at first. Execute this menu command to connect. When execute this menu command, it will display a dialog as follows:



Picture2.15 【 DIAL UP 】dialogue

- ✧ First, enter phone number that PC modem should dial in **Phone Number**.
- ✧ Second, select **Dial up** to connect PC to Sign.

If **Connect Status** display “Connect successfully”, it mean PC has connected to Sign, now user can transmit messages to remote Sign by modem.

If **Hang up when sending over** is checked, it will hang up the connection automatically when messages are transmitted over. If send successful, you had better hang up the link, the line is busy.

#### 2.1515 Hung up Modem connction

Execute this menu command to hang up the connection between PC with Moving-Sign.

#### 3.1516 Hang up TCP/IP connection

Execute this menu command to hang up the TCP/IP connection between PC with Moving-Sign.

## 2.16 submenu of view menu



Pictur2.16 【 VIEW 】 dialogue

### 2.161 【Toobar】

toolbar,if it has a hook before it ,it will display toolbar.

### 2.162 【Status Bar】

Status Bar display or not display.

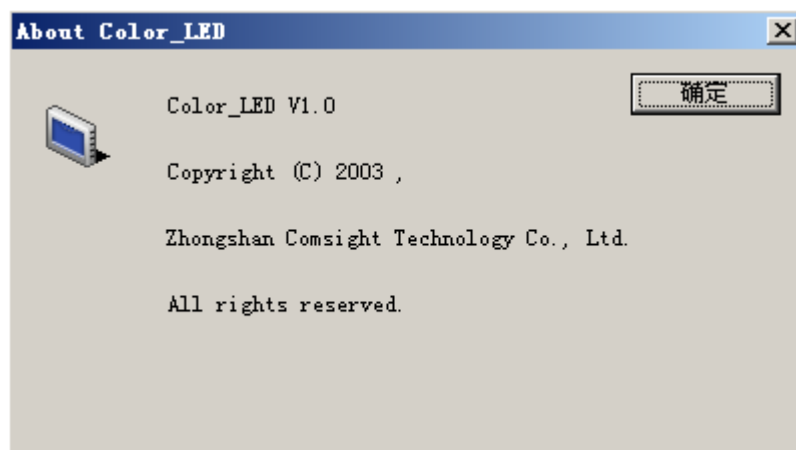
## 2.17 submenu of help menu



Picture 2.17 【HELP 】 dialogue。

### 2.171 about color LED

- ◆ To help: it is about this edition information.or use shortcut button .



Picture 2.18 【ABOUT COLOR LED】 dialogue

## 2.3 Execute color led 1.0 instruction

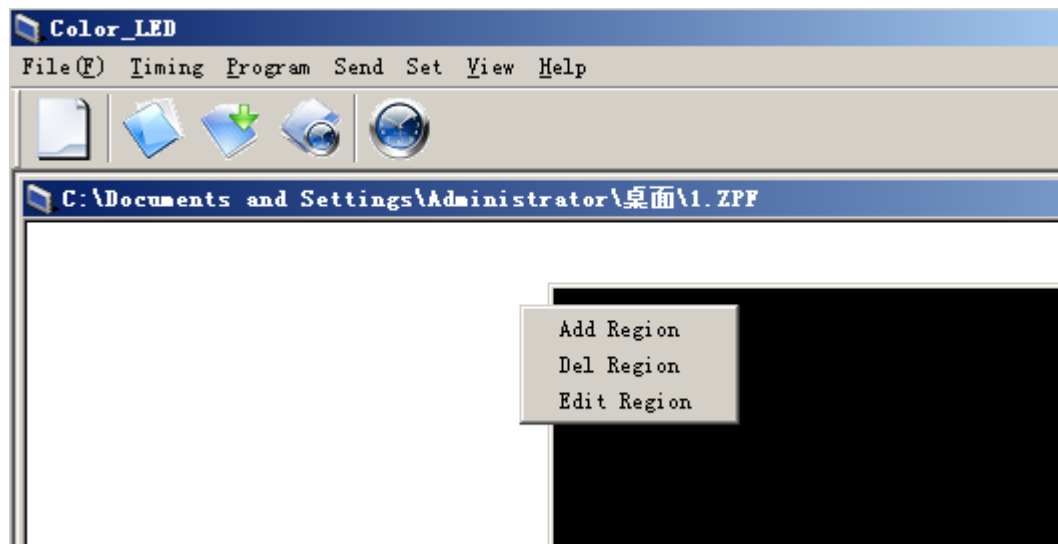
### Main contents

- General instruction
- How to build new files and the functions of files

- About the description of files property
- Part particular function description

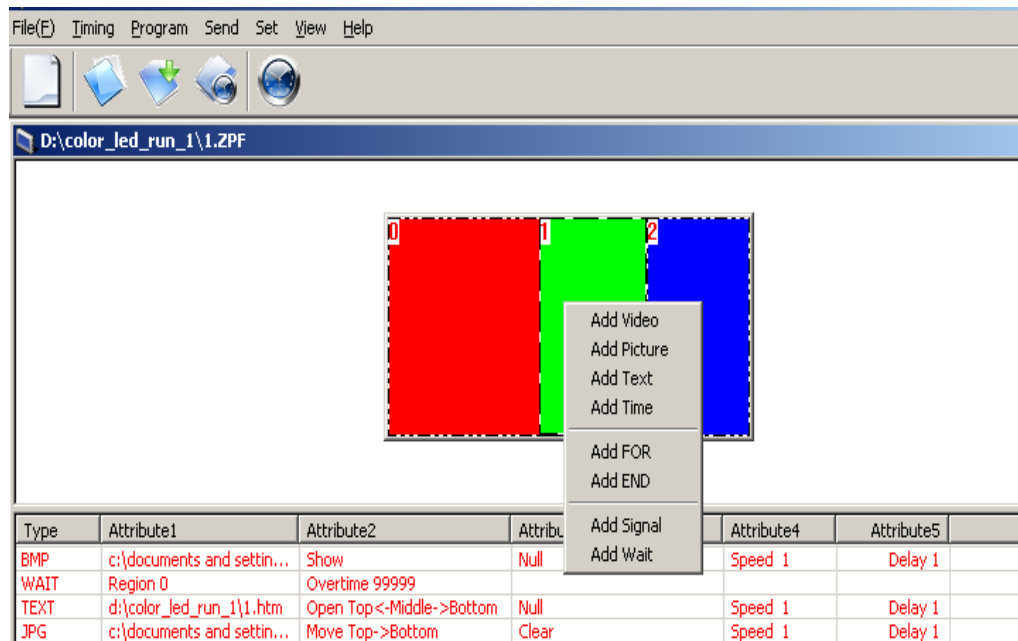
## 2.31 General Instruction

◆ This setp is base on setp 1 and setp 2, This is a broadcast software。 first you should build a program file, or you may build other files first, then save its position and named it。 when you open this software, it will turn up a interface picture and a black rectangle, beside blank press mouse right key, it will turn up add region del region edit region。 you also may use main menu under program, add region menu you may add into display region。 if you want to display several parts of contents in one screen, you may add picture files or timing files into it, make sure every region is activating 。 which part display you need to add files into that active region。 but if you display lots of pictures or contents in a full screen, you simply add a region and needn't separate the screen。



Picture2.19 【 ADD 】 dialogue

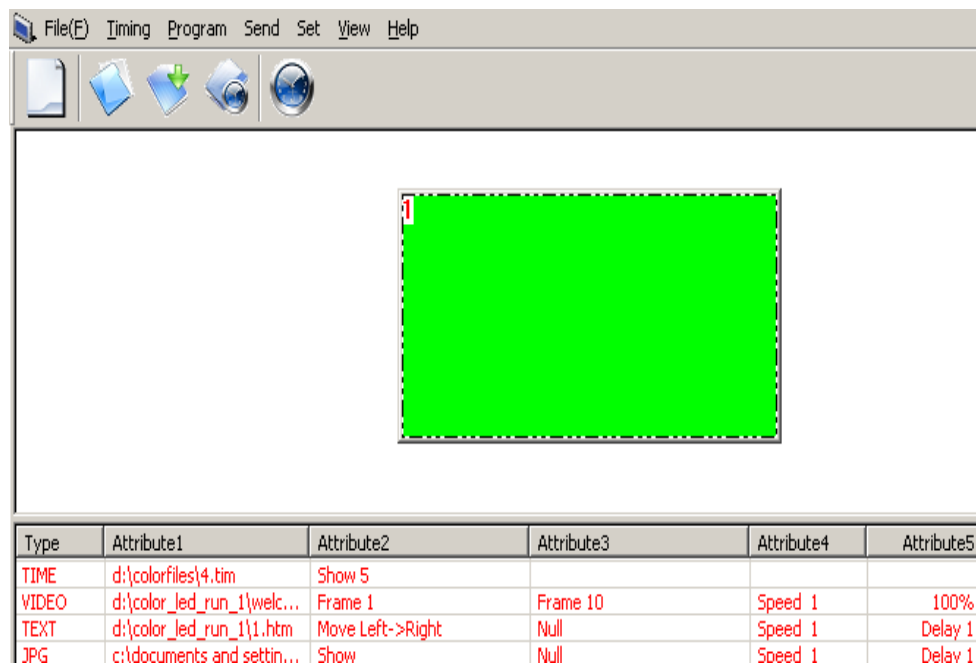




Picture 2.20 【ADD FILE】 dialogue

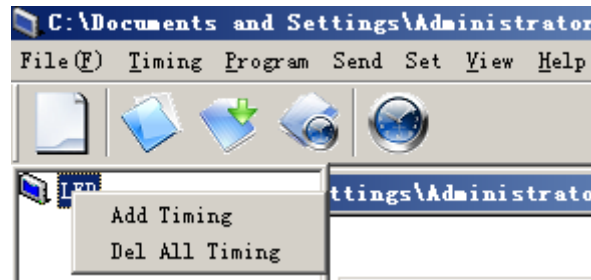
## 2.32 How to build new files and the functions of files

● PROGRAM file: this is a general edit interface, you may add TIMING files, HTML files, PICTURE files, TIM files into PROGRAM file as ZPF files, then preview them.



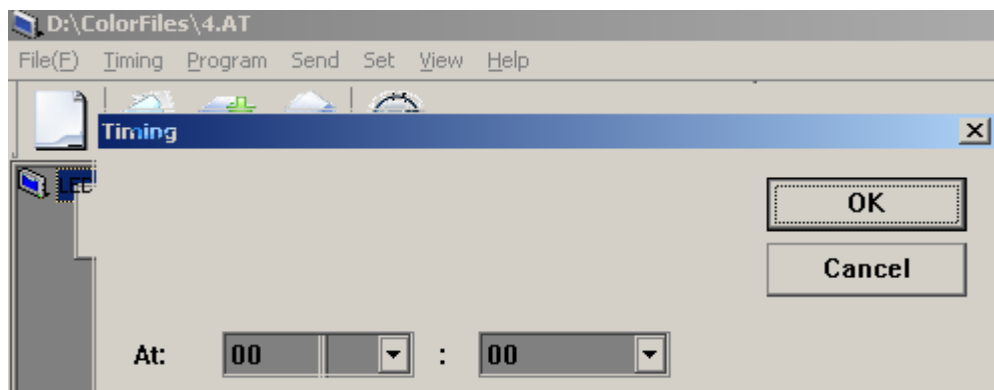
Picture 2.21 【NEW (PROGRAM)】

### 2.321 【TIMing file】



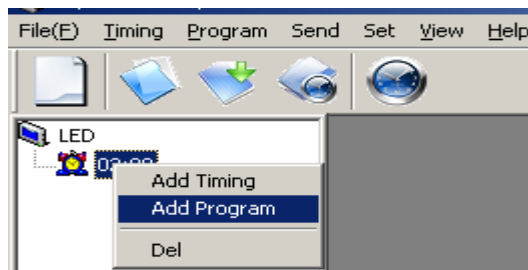
Picture 2.22 【ADD TIMING FILE】 dialogue

- ◆ Timing function: when some files need to display several minutes or a few hours, you need use this function.
- ◆ First: you need new build a timing file, in the left side on press mouse right key, it will turn up a dialogue box 【add time from time to time】, default time is from 00 to 00, it means it will display when you open computer. If you want to display in a special time, you may set random.



Picture 2.23 【 ADD TIME】 dialogue

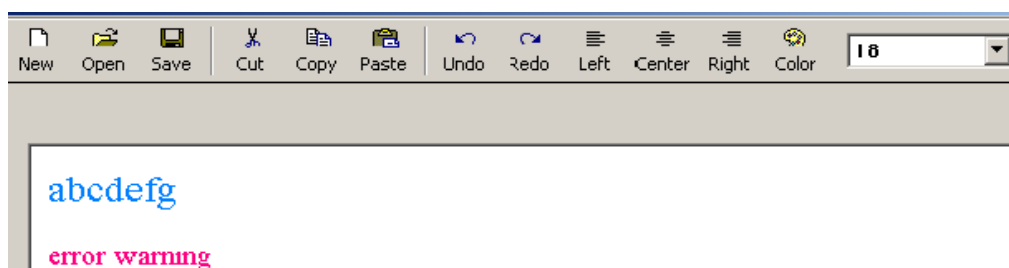
You may press right key on this time menu, it will turn up add pictures file.



Picture2.24 【ADD PROGRAM】 dialogue

- ◆ you may add you want to display pictures. in main timing menu, you may close this file. if you want to preview it, you may also in main timing menu select preview menu. but you must save it ahead of time, or also it may turn up an error report.

## 2.322 【TEXT file】

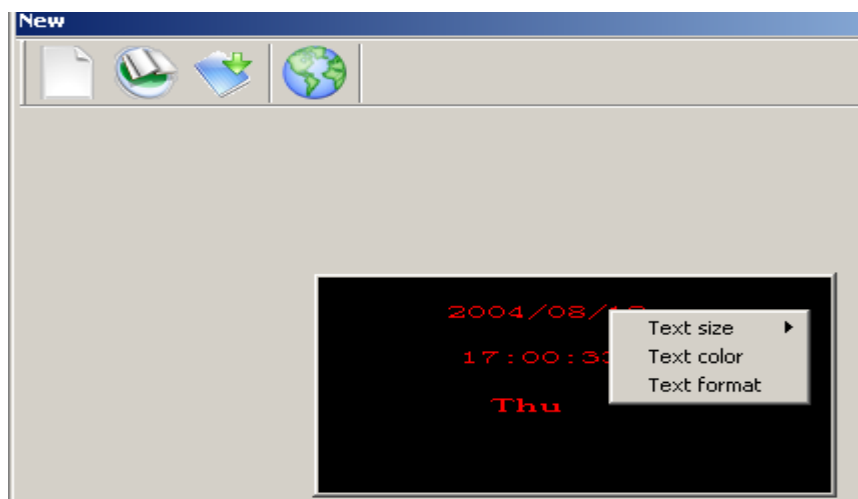


Picture2.25 【TEXT FILE】 dialogue

◆ you need build a new root directory, it will turn up a diaogue box, in this dialogue box, you may write you need contents, you may change character color, size, but size don' t too large, otherwise it will not normal display。

### 2.323 【TIM file】

- ◆ build a new file use shortcut button. .
- ◆ open an existing file use shortcut button .
- ◆ save your timing file use shortcut button .
- ◆ about this menu you may set time region, such as beijin time, atlantic time,Athens time,press shortcut button



Picture 2.26 【TIM FILE】 dialogue

- ◆ this is compute system time, it contains time date,week,year。

put mouse on these words top left corner, it will turn up a squareness cursor, you may move them to suitable position, press right key, you may set its size color and format。date format has 6 modes, year month and day, their sequence different,Time: you may set size color and format. it has 2 modes: HH:MM:SS is 24 hour mode, HH:MM:SSP is 12 hour mode。Week : you also may set size color and format,it has 2 kinds: one is digital display, the other is English display。

### 2.324 【PICTURE files】



Picture 2.271 【PICTURE FILE】 dialogue

◆ BMP file: when you open it , you may draw you want contents.or open your existing files, you need to draw them in the bottom。

- ◆JPG file: .you may draw what you wan, .you also may open your existing files, but its doesn' t too large。

◆ PNG file: you may draw any picture or open your existing files,it need to draw them in the top。

## 2.325 【AVI files】

◆ It is a video frequency file, you may add AVI files to broadcast them,but these files capacity must less than 500k。 thisAVI file general need to make yourself, this tool Ulead COOL 3D is used to make AVI files, you may define its frame and size. if you don' t want to broadcast one part, you can select you need broadcast contents, such as from frame 1 to from frame 800。 but many AVI files is small, it doesn' t need define many frames, this AVI file' s size is decided by yourself。

Type	Attribute1	Attribute2	Attribute3	Attribute4	Attribute5
VIDEO	d:\color_led_run_1\info...	Frame 1	Frame 1626	Speed 8	100%
		Frame 2			
		Frame 3			
		Frame 4			
		Frame 5			
		Frame 6			
		Frame 7			
		Frame 8			

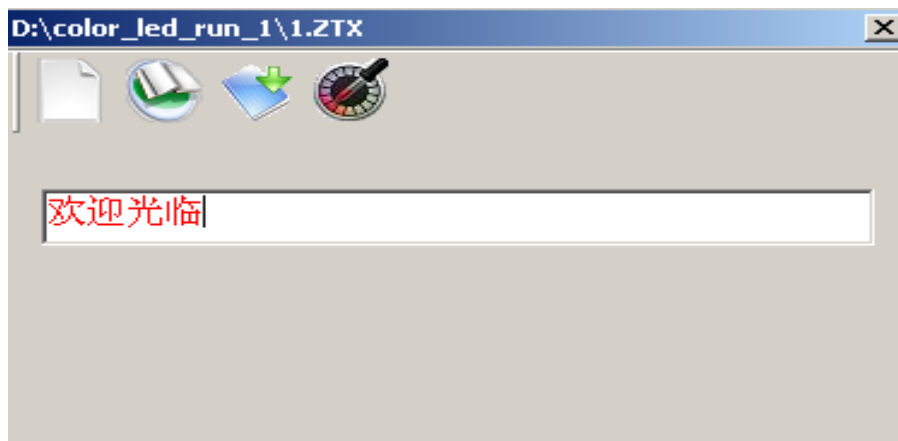
Picture 2.28 【AVI FILE PROPERTY】 dialogue

★ATTRIBUTE4: you also may set it speed.from speed 1 to speed 8。

★ATTRIBUTE5: you can set your Avi file' s broadcast size.。 There have 4 kinds. 50% is reduce a half size broadcast, 100% is normal size broadcast. 200% is enlarge a half size broadcast.。 Custom is according to your define display screen size broadcast.

## 2.326 【Ztext files】

This is also a text file,this is a standard 16\*16 dot lattice text. On 16\*16 display screen,it will display standard character. .it more accuracy than Html Text files. this text files don't need others picture files or timing as motherborad,it may display clearly.



Picture2.29 【Ztext file】 dialogue

◆ new build a file use shortcut button

open an exiting file use shortcut button

save or save as use shortcut button

use you may set the color of character

Warning:

◆BMP files: it need large memory space. when broadcast, this file isn' t good, we had better not use it. this position your drawing must in the bottom, otherwise it will not normal show。

◆ JPG file: it easily bring to distortion or bring character or picture dimness。 in addition, when JPM files, if picture is borad, you had better choose from left to right or from right to left moving ways。 but if you choose from top to bottom or from bottom to top, its effect isn't good。 in contrary if picture is slighness, you had better choose from top to bottom or from bottom to top, you choose from left to right or from right to left , its effect will also not good。

◆ PNG file(four colors)though it overcomes BMP and JPG files' s fault., but your drawing must be in the top。 if sending files are too large ,it will not the whole display .

★In addition,this software support files name with English and Chinese,but doesn't support files name have space。

## 2.33 About Description of Files Property

◆ Under this black rectangle ,you will see several menus,these are the property of the pictures or contents 。

Type	Attribute1	Attribute2	Attribute3	Attribute4	Attribute5
VIDEO	d:\color_led_run_1\welc...	Move Top<-Bottom	Null	Speed 1	Delay 1

Picture2.30 【 FILE PROPERTY 】 dialogue

### 2.331 【TYPE】

◆you add program contents' s type:such as ZPFfiles BPMfile,JPGfile,PNGfile.TXTfile..according you need.you may choose you want display contents.

### 2.332 【ATTRIBUTE 1】

◆ this display root directory of you broadcast files。

### 2.333 【ATTRIBUTE 2】

◆you may set your pictures or contents show mode。 There are 14 modes,you may choose:

Type	Attribute1	Attribute2	Attribute3	Attribute4	Attribute5
VIDEO	d:\color_led_run_1\welc...	Null	Null	Speed 1	Delay 1
		Show			
		Move Left->Right			
		Move Left<-Right			
		Move Top<-Bottom			
		Move Top->Bottom			
		Open Top<-Middle->			
		Open Left->Right			

Picture 2.31 【ATTRIBUTE 2】 dialogue

- ◆ Null:if you choose it ,it will not display。
- ◆ Show:it may display,but not moving effect。
- ◆ Move left->right:if you choose it , pictures or contents will turn up from left to right。
- ◆ Move left<-right:if you choose it, pictures or contents will move from right to left。
- ◆ Move top->bottom:if you choose it, pictures or contents will moving from top to bottom。
- ◆ Move top<-bottom:if you choose it, pictures or contents will move from bottom to top。
- ◆ Open top<-middle->bottom:if you choose it, pictures or contents will unfold from middle to top and bottom。
- ◆ Open left->right:if you choose it , picture or contents will unfold form left to right。
- ◆ Open left<-right:if you choose it , your pictures or contents will unfold from right to left。
- ◆ Open top->bottom:if you choose it, your pictures or contents will unfold from top to bottom.。

- ◆ Open top<-bottom:if you choose it , your pictures or contents will unfold form bottom to top。
- ◆ Color:if you choose it, when picture or contents turn up ,theirs color will change from dim to bright。
- ◆ Flash:if you choose it, when pictures or contents turn up, they will glitter.continuously。
- ◆ Random:if you choose it , when pictures or contents turn up, they will show freedomly。

### 2.334 【ATTRIBUTE 3】

- ◆you may set you pictures or contents disapper mode, its ways are similar to ATTRIBUTE 2。

Type	Attribute1	Attribute2	Attribute3	Attribute4	Attribute5
VIDEO	d:\color_led_run_1\welc...	Move Top<-Bottom	Null	Speed 1	Delay 1
			Clear		
			Move clear Left>Ri		
			Move clear Left<Ri		
			Move clear Top<Bo		
			Move clear Top>Bo		
			Clear Top<-Middle->		
			Clear Left>Right		

Picture 2.32 【ATTRIBUTE 3】 dialogue

### 2.335 【ATTRIBUTE 4】

- ◆ you may set moving speed. there are 8 kinds speed 1~speed8 from high to low arrange。

Attribute3	Attribute4	Attribute5
Null	Speed 1	Delay 1
	Speed 2	
	Speed 3	
	Speed 4	
	Speed 5	
	Speed 6	
	Speed 7	
	Speed 8	

picture2.33 【ATTRIBUTE 4】 dialogue

### 2.336 【ATTRIBUTE 5】

- ◆you may set delay time,delay 1 means 0.1 second,50 means 5 seconds.you may input random.。

Attribute3	Attribute4	Attribute5
Null	Speed 1	Delay 50

Picture 2.34 【ATTRIBUTE 5】 dialogue

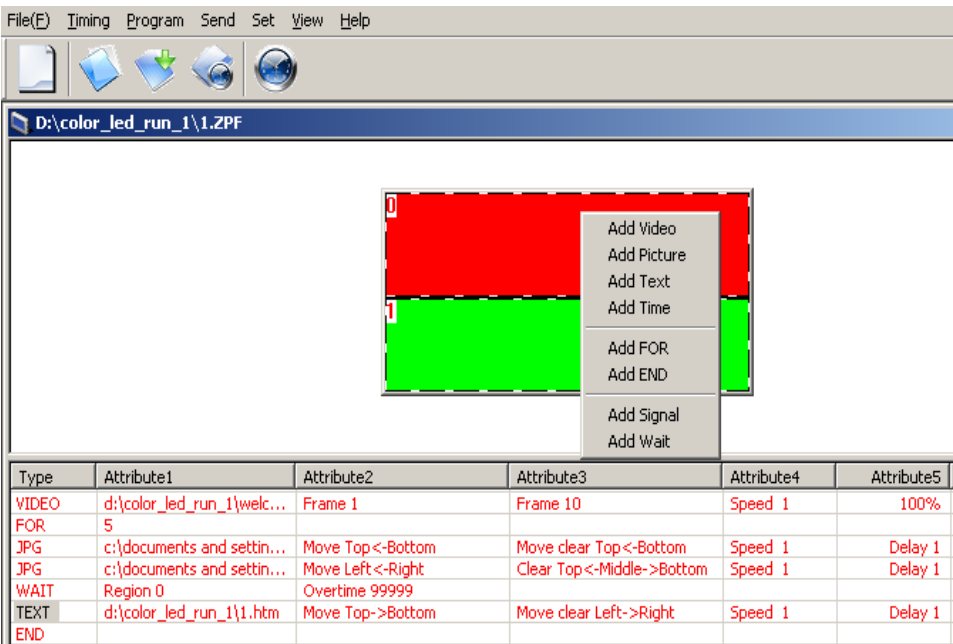
### 2.337 【ATTRIBUTE 6】

◆you may set transparence, if you show pictures,it needn' t set transparence。but if you show text file , you need first add other kinds of file as a motherborad。 then add a region and add a text file, make sure this region is activating, so that it will display clearly。 Or else it will dim or not display.

#### 2.34 part particular functions description

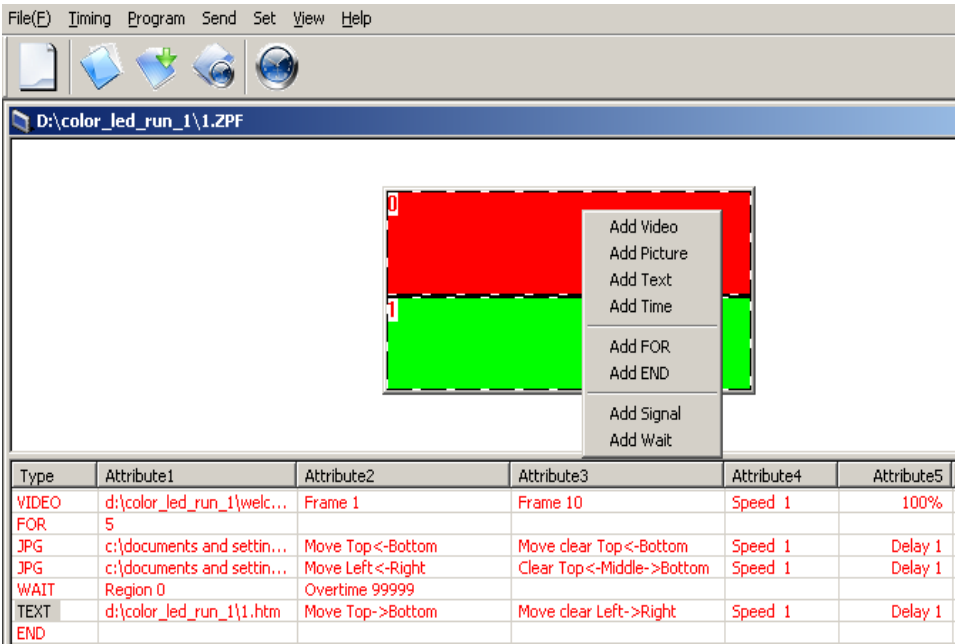
◆ When some pictures or contents need to broadcast repeated, you may set “for circle sentence”。 on region press right key, it will have <add for> and <add end >menu.。 if you want two files to circulate broadcast, you need to use add for clause, it default adds on the top 。 under second file adds add end clause, you must select second file, add end will turn up its back.of this file。 add these kinds files, in attribute 1 you may set circle number. you must have existing files or build new files, press right key there are del region menu, you may delete。 You also under type menu select a file,then press Del key, so that you

may delete them.



Picture2.35 【ADD FOR AND END】 dialogue

when sending files have sequence display,main title,subhead,chapter and section display,special display and so on,then you need use ADD SIGNAL and ADD WAIT.if you add a add signal under one file,then it will execute same region or other region under ADD SIGNAL contents.on the ADD WAIT signal contents they will display all the time.if only has ADD WAIT signal and doesn't has ADD SIGNAL singal,so under ADD WAIT signal contents will display until over its setting time.if only has ADD SIGNAL signal but doesn't has ADD WAIT signal, so ADD SIGNAL signal doesn't react.its function is controlling different region contents.



Picture 2.36 【ADD SIGNAL AND ADD WAIT】 dialogue

## 2.35 Conclusions

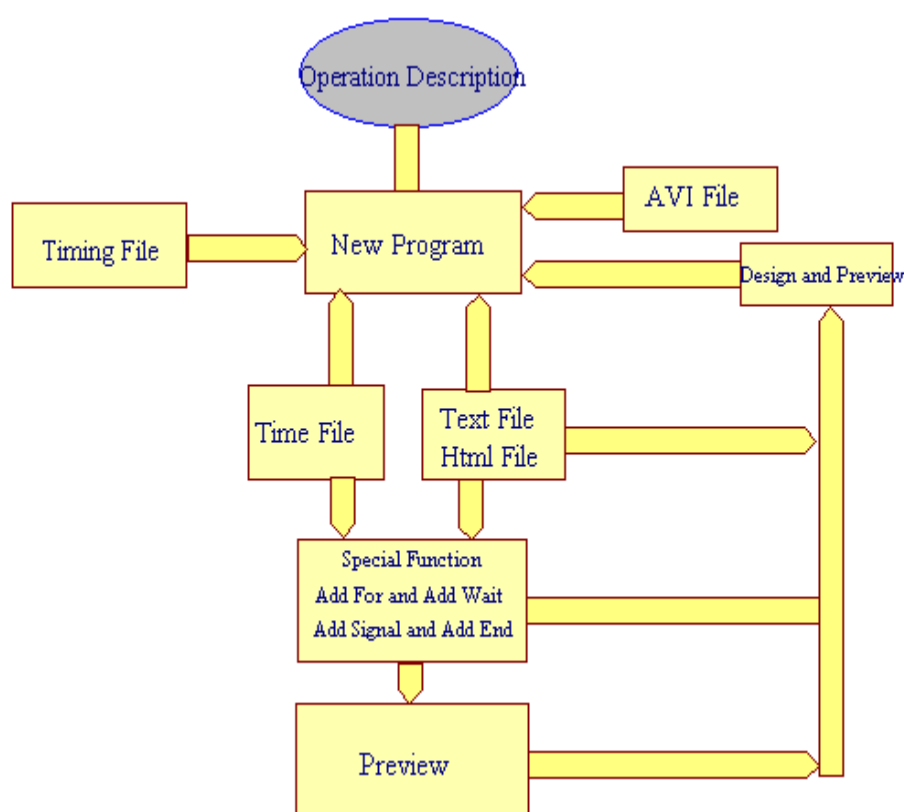
◆After learning chapter 2,you should know this software clearly.1: introduce you about this software menus,2: introduce how to connect to hardware. 3: introduce how to operate it。 make sure if you read this software seriously,you will feel easy and operate simply。 .

## Chapter 3: Example Operation

main contents

- single region adds different broadcast progrma files
- several regions broadcast different program contents
- conclusions

This chapter mainly introduce how to preview and broadcast,mainly contents are single region add different program files and several regions broadcast different program contents.general accordance to your need and choose,refer this follow contents,make sure it will helpful for you.



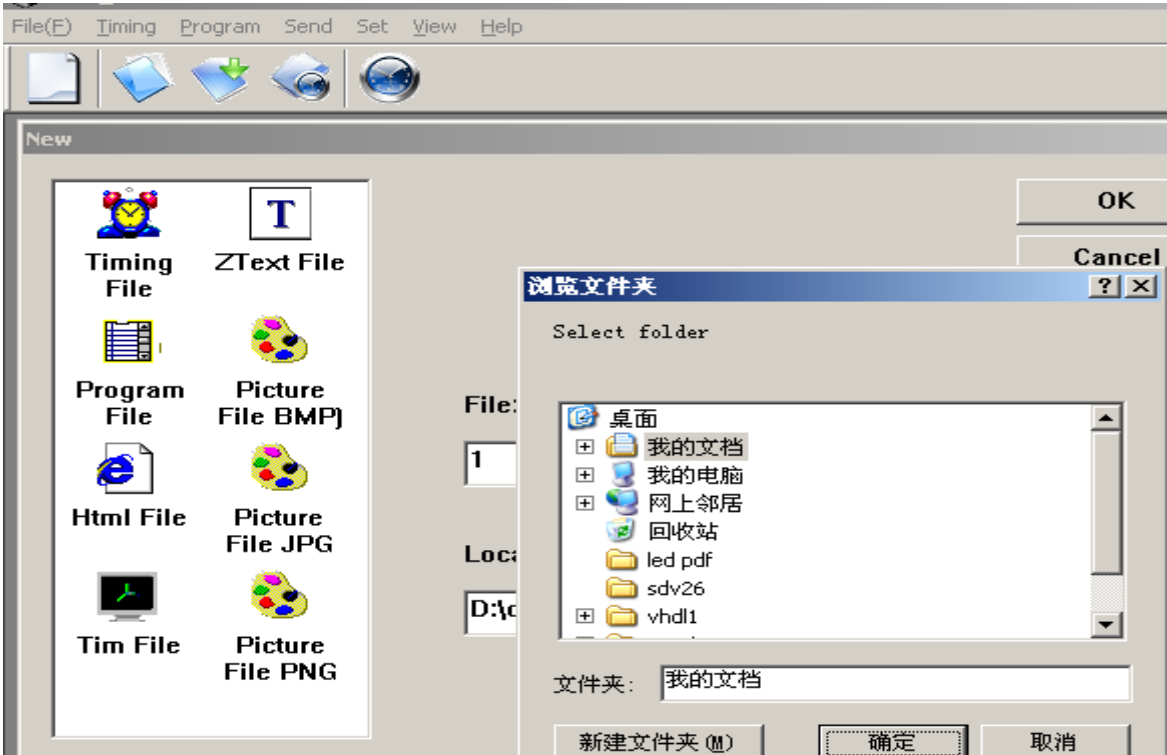
Picture 3.1 【General Flow】 picture dialogue

### 3.1 Single region add different broadcast files

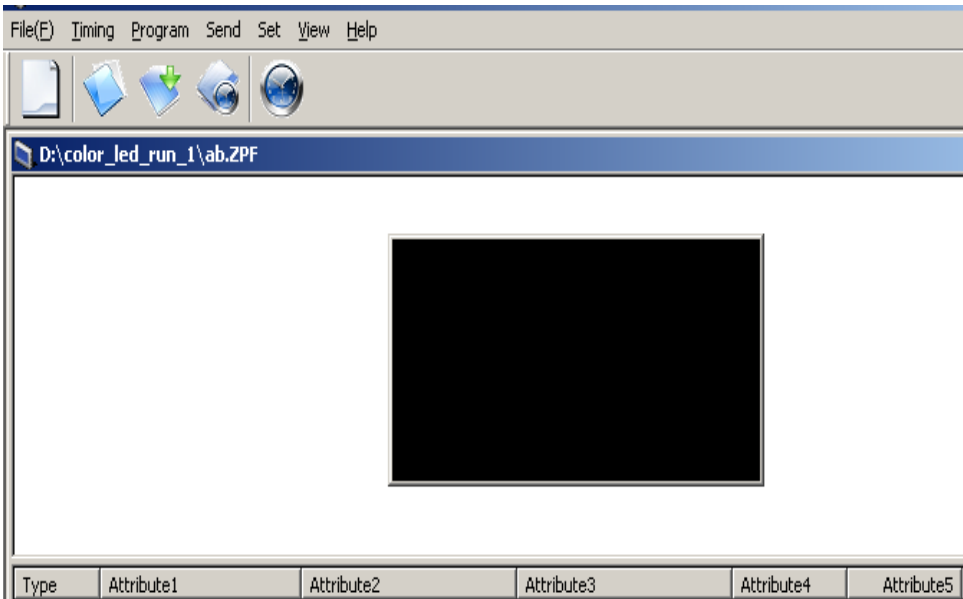
3.11 your need to build a program file,write its name,locate its position,so a program file is finished.this program file is just



broadcast file,first introduce single region broadcast different files.



Picture 3.1 【NEW FILE 】 dialogue



Picture 3.2 【PROGRAM】 file dialogue

3.12 .in blank press mouse right key,it will turn up dialogue,press ADD REGION it will turn up an active rectangle on the blank rectangle region.the size of region may change,press DEL REGION,you may delete an active region. press EDIT REGION,you may setting the accuracy position of the rectangle.

3.13 on the active rectangle,press mouse right key,it will turn up dialogue,then you may add your making AVI files,PICTURE files,html files and tim file and so on

3.14.after add files,you may use preview under main menu program .

3.15.this doesn't seperate region,display different contents in one region,but if display html files,you must add an active region as motherboard,so html files may display clearly.

## 3.2 Several regions boardcast different program contents

3.21 .if you want to display several region on this screen,and different region display different contents, as follow these.

3.22 build a new program file.

3.23 add different regions,add different program contents on different active region

3.24 if add ADD FOR and ADD END on region,then it will broadcast files accordance to your setting.

3.25 .if you want to control on different region,add ADD SIGNAL and ADD WAIT signal,under ADD WAIT signal,there are control regions in ATTRIBUTE1 ,you may control different region contents.if has ADD SIGNAL signal,it will boardcast the contents under ADD WAIT,if only has ADD WAIT but doesn't has ADD SIGNALsignal,it will display the contents under ADD WAIT until over setting time.if only has ADD SIGNAL but doesn't has ADD WAIT signal,this ADD SIGNAL signal will not react.(in general ADD SIGNAL AND ADD WAIT turn up twin), for example broadcast several regions files

3.26 .in general,these files should attentive problems and how to make them have already introduced in chapter 2 and chapter 3, you must follow these requests,thus broadcast effect will be better.

## 3.3 Conclusions

◆ this chapter introduce operate process and particular setting,refer to chapter 2 and 3 should attentive porblem,make sure may broadcast files well.

## Chapter 4:Problems & Resolve

Common problem 1

●No display

Resolve ways:

- ◆Check whether power is connecting to display screen.
- ◆Check whether power AC is connecting accuracy location
- ◆Check whether power line is normal
- ◆Check whether set time is right

Common problem 2

●can' t send files

Resolve ways:

- ◆Check whether communicate line is normal
- ◆Check whether the setting of series port is right
- ◆Check whether the setting of the communicate port is right
- ◆Check whether the sending files are reasonable

common problem 3

●local region not light or full light

resolve ways

- ◆check whether vertical drive bad
- ◆check whether horizonal tube bad
- ◆check whether module bad

- ◆ check whether unit board link signal has problem
- ◆ check whether power supply,link signal,unit board itself or the problem of scan controller.

common problem 4

- flash phenomenon on screen

resolve ways

- ◆ check whether communicate wire is reasonable.
- ◆ check whether collect send card or receive card is bad.
- ◆ check whether 14 core link signal is reasonable and creditable.

common problem 5

- the whole unit board isn't light

resolve ways

- ◆ if link several horizontal unit board isn't light,check whether the parallel linking of normal board and abnormal unit board is connect;or whether chip 245 is normal.
- ◆ if link several vertical unit board isn't light,check whether this vertical power supply is normal..

common problem 6

- the top line of unit board isn't light

resolve ways

- ◆ check whether line pin and the output pin of chip 4953 is connect.
- ◆ check whether chip 138 is normal.
- ◆ check whether chip 4953 is hot or burning.
- ◆ check whether chip 4953 has high voltage.
- ◆ check whether the control pin of chip 138 and chip 4953 is connect.

Common problem 7

- unit board isn't light

resolve ways

- ◆ check whether chip 595 is normal.
- ◆ check module pins of top and bottom is connect.
- ◆ check whether the output pin of chip 595 to module pin is connect.

## Chapter 5: Technology Support State and Serve Promise

Dear customers

Thank you for purchasing this product.

For optimum performance and safety,please read these instructions carefully.

Before connecting,operating or adjusting this product,please read these instructions completely.

Please keep this manual for future reference.

Serve before selling

Before selling,our mainly aim helps serve client doing layout and system need analyse,it make our product satisfy the need of client at most limit,it also make client's investment bring into play large integrate economics benefit.

Guide serve

Our company support guide and training with client. Training aim,let client may use this system in practice,and deal with some basic trouble,training contents contain: fixing and using about system software,regularity maintenance,About system and safety attentive proceeding.dealing with the trouble of simply software,and hardware.

#### Serve after selling

Company will build integrate client file for every client, and support tracking and software updating serve. we provide free mending a year and mending serve all the time about selling product. because of the quality of component or produce technics, we will support free mending, but if violate rule or some exterior factor (for example higher voltage, lightning strike) these are not free mending. after free mending, we will continue to provide mending serve, but charge suitable tip.

If you have some expectation and advice about our products, please Contact us, we will express thanks.