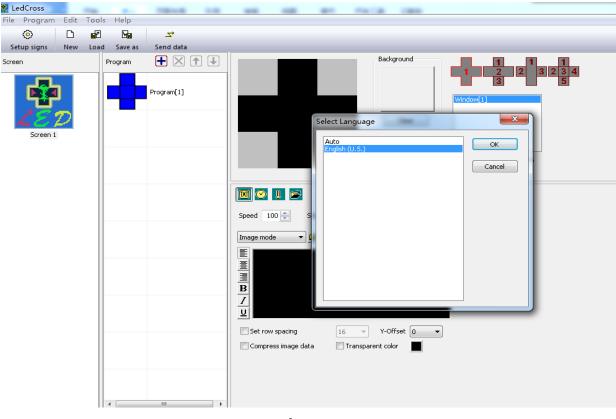
LED Cross software operation manual (based on C-Power)

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A. run and set up the software

1.Run the software

Run "Start" - "All programs" - "Led Cross V1.0" - "Led Cross V1.0"; or double-click "Led Cross " shortcut icon on the desktop directly.



The interface of LedCross only supports English for now.



"Setup signs" (define LED screen)

(searching controllers; setting screen parameters)

The soft ware setting is to perform "Define LED screen".

Purpose: when the software is run for the first time, the LED screen definition is the first step, which aims to establish the program and set the communication mode. After that, the LedCross software is combined with the LED screen hardware through the program.

Methods and steps:

 Click" setup signs "or" File" --" setup signs "enter" LED Screen " (define LED screen), as shown in figure 2.

😢 LedCross Lile Program Edit Tool	s Help	Click this to	define LED screen		-		-	-
Setup signs New Load		_ _` Send data	_	_				
Screen	Program		Wel	Background		1 1 2 2 3	1 2 3 4	
Screen 1		Program[1]		Clear		=0, w=32, h=32	5	
			Speed 100 🚔 Stay	3∉s Show Instant				
			Image mode Come					
				16 v Y-Offset 0 v]			



2) In the LED screen list dialog box (Błąd! Nie można odnaleźć źródła odwołania.), click "New" button to establish a new screen or click "Edit" to change the screen parameters.Or you can also delete the screen you have defined by clicking "delete".

Model	Name	ID	Color	Gray	Width	Height	COMM Type	COMM Parameter
C-Power3-A	C-Power3-A[1]	1	Full color	256	96	96	Network	192.168.1.249 : 5200 [255.255.255.2



3) If the controller has connected into the computer(COM port or network port), click "Find screen" button(or click "Tools"-"Find device" on the menu), the "search device" dialog box pops up, so we can search the devices which have connected into the computer.as shown as figure 4, figure 5, figure 6.

1odel	Name	ID	Color	Gray	Width	Height	СОММ Туре	COMM Parameter
-Power3-A	C-Power3-A[1]	1	Full color	256	96	96	Network	192.168.1.249 : 5200 [255.255.255.2

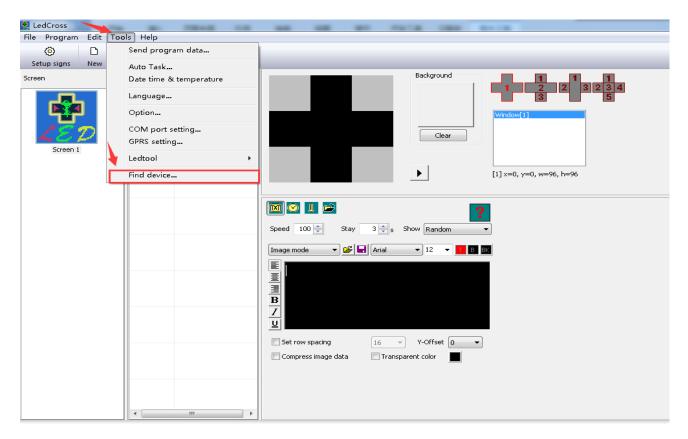


Figure 5

earch device	These two	
Search COM Port Search Network Search LmServer IP Controller Information 118.163.44.16 MAC=00606e80a0f0, CPID=000010 192.168.1.14 MAC=006293ca9260, CPID=100010 192.168.1.242 MAC=fffffffffffffff, CPID=426001	parametersjust keep themdefaulted,youdon't need tochange them.	C-Power Serial Image: Comparison of the series ID Code 255 . 255 . 255 . 255 Port 5200
Choose the search mode according to	•	192.168.1.xxx •
the way controller connects to the computer		From 1 To 254
		☑ Break when found
		Start search Quick search
		Exit
	Figure 6	•
	-	If the controllers are connected to the computer by network, click "Quick search" can find the controllers quickly.

- 4) After clicking "New" or "Edit" button, enter the password¹ in the authority confirmation box, and the box of "Screen editor" pops up, as shown in Błąd! Nie można odnaleźć źródła odwołania. and Błąd! Nie można odnaleźć źródła odwołania.
- 5) In the dialog box of "Screen editor", define LED screen according to the hardware setting condition of the screen controller.
 - A. Model: select the correct controller type at the left side of the dialog box.
 - B. Name: user can name the LED screen freely. The name will appear at the edit field. If no name input, the system will automatically display the type of controller (ID).
 - C. ID: it is used to distinguish two or more LED screens. If there is only one screen, use the default value "1".
 - D. Color: select the color of the LED screen: Full color.
 - E.Width and Height: actual pixels of the LED screen.for now Ledcross supports 48x48,72x72,96x96 size.
 - F. Font library: click **f** button can set the font library type, if the controller has connected well, the font libraries which have installed on the controller can be auto detected.
 - G. Communication type: select COM port mode, network mode, or GPRS/CDMA mode.
 - COM port mode: RS232 or RS485 mode

It needs to set the original port of PC COM port2 communication, and then Baud rate3.

¹ Initial password is "16888", please change the password timely and remember the new one.

² For port number of PC COM port, it can also be modified through Menu Bar "Tools" – "COM port setting" after defining LED screen. User needn't enter "Setup signs" again.

³ The baud rate of the control card can be changed by LedTool, see engineer's manual.

Screen editor	_		-	-	X
Model					
C-Power5-A C-Power3-A C-Power3-B C-Power7200 C-Power6200 C-Power5200	ID 1 · · · · · · · · · · · · · · · · · ·		Name Font 0	582312	f
C-Power4200 C-Power3200 C-Power2200 C-Power1200	Communication				
	Port	R5232 (or R5485) COM1 • 115200 •			•
		115200			
	(ОК		Cancel	



• Network mode

There are the following setting items 4 after connecting the network port with the control panel.

a. IP address: the IP address of the control panel

Local area network: if it is local area network or the control panel is connected by net twines, user can directly input IP address of the control panel (set IP address by using LedTool).

Internet: if the control panel is connected by internet, user should input IP address of the internet gateway.

b. ID code: the IP package ID code of the control panel (such as password).

ID code should be the same as the control panel setting, so that it can be recognized and controlled by the control panel.

⁴ The network parameters of the control card "IP address, ID code, Port" can be changed by LedTool, see engineer's manual.

c. Port: network port.the default port number is 5200.

Screen editor	_		-	-	x
Model C-Power5-A C-Power3-A C-Power3-B C-Power7200 C-Power6200 C-Power5200 C-Power5200 C-Power3200 C-Power2200 C-Power2200 C-Power1200 C-Power1200	ID 1 Size 96 × 96 Color Full color	• •	Name Font	GB2312	<u>f</u>
	Type IP Address Port ID Code	Network connect to t 192 . 168 . 1 5200 . 255 . 255	. 249	ontroller directly	• •
		OK	[Cancel	

figure 8

If there has been controllers connected to the local area network, click to search the controllers ,Then click "refresh" button to refresh the information of controllers.select the controller you want to Connect to the computer , and then click "OK" to confirm which you choose. As shown in figure 9, figure 10. ShenZhen Lumen Elecronics Co.,Ltd.

creen editor		_		-	×
Model					
C-Power5-A	ID	1	•	Name	
C-Power3-A C-Power3-B					
C-Power7200	Size	96 x 96	•		
C-Power6200					
C-Power5200 C-Power4200	Color	Full color	•	Font	GB2312 f
C-Power3200					
C-Power2200					
C-Power1200	Commu	unication			
		_			
		Туре	Network connect to I	he LED cor	troller directly
		IP Address	192 . 168 . 1	. 249	Q 10
		Port	5200		
		ID Code	255 . 255 . 255	. 255	Click here to search
					the controllers which
(1. (1. (1. (1. (1. (1. (1. (1. (1. (1.					
					have connected to
					the network
B as any C B stress P stress P			ок		Cancel
					Cancor

figure 9

522

	MAC		Device ID	
192.168.1.125	5 9059afac2cb2			
192.168.1.103	006293ca9260		100010	
			<u> </u>	
			<u> </u>	
		2.Click and	d select the contro	oller you want to
		connect to	the computer	
	1.Click here to refres	sh the	3.Click "	OK" to confirm
	information of controll	ers		
	information of controll	ers		1

figure 10

Click or can switch the controllers' information of device ID and IP address which have been connected to the computer.as shown in figure 11, figure 12.

Screen editor				-		×
Model						
C-Power5-A C-Power3-A	ID	1	•	Name		
C-Power3-B	Size	96 x 96	•			
C-Power7200 C-Power6200						
C-Power5200 C-Power4200	Color	Full color	-	Font	GB2312	<u> </u>
C-Power3200 C-Power2200						
C-Power1200	Comm	unication				
			· · · · · · ·			
		Туре	Network connect to t	the LED co	ontroller directly	•
		Device ID	000010			Q IP
		Port	5200]		
		ID Code	255 . 255 . 255	. 255		
			ОК	[Cancel	

figure 11

Screen editor			-	-	X
Model					
C-Power5-A C-Power3-A	ID 1	•	Name		
C-Power3-B C-Power7200	Size 96 × 96	•			
C-Power6200 C-Power6200 C-Power5200	Color Eductor		Feeb	GB2312	
C-Power4200	Color Full color	•	Font	GD2312	f
C-Power3200 C-Power2200					
C-Power1200	Communication				
	Туре	Network connect to t	he LED co	ontroller directly	•
	IP Address	192 . 168 . 1	. 99		Q [11]
	Port	5200			
	ID Code	255 . 255 . 255	. 255		
		ОК		Cancel	

Figure 12

Once the "setup signs" has been done, LedCross will create a program automatically.now you can edit and manage the program.

B. C-Power parameters setting

Led Cross supports all the controllers made by lumenchina, we will take C-Power2&3 series as an example to show you how to set up the parameters.

1.Enter the Ledtool

Click "Tools" — "Ledtool" — "C-Power20/30" then into the interface of parameters setting, as shown below:

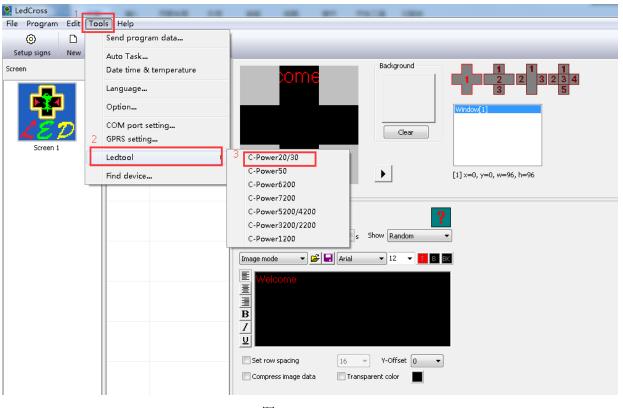


图 13

2. Cross wiring

There are many ways for Cross to wiring according to the module size, the ways to wiring can refer to the relevant guide.

C. edit and manage programs

1.learn about the interface of software

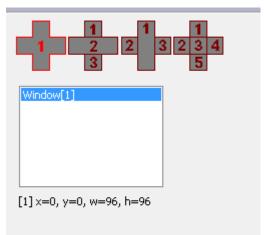
Menu bar File Program Edit Tools Help 4 layout windows for you to select \odot Ľ r 1 **1** Ż Tool bar Setup ci Background + \times Screen Program Add Program[1] background Clear Screen 1 Edit and manage the programs [1] x=0, y= w=96, h=96 Select the type of select and edit the zone content 🔟 🕑 👃 📂 corresponding to the serial number Speed 100 🚔 Stay 3 🚔 s Show Instant Ŧ 🔻 🛃 🖬 Arial 🕶 12 🛛 🕶 🚹 🖪 🕏 🗰 Image mode Ξ ≣ в Ι Edit and adjust the content <u>U</u> Set row spacing 16 - Y-Offset 0 -📝 Compress image data 📃 Transparent color 图 14

The interface is as follows when running the software.the interface consists of several parts.

You can send the contents by Led cross such as video, image, an imation, doc/excel documents, text, clock temperature and humidity data .

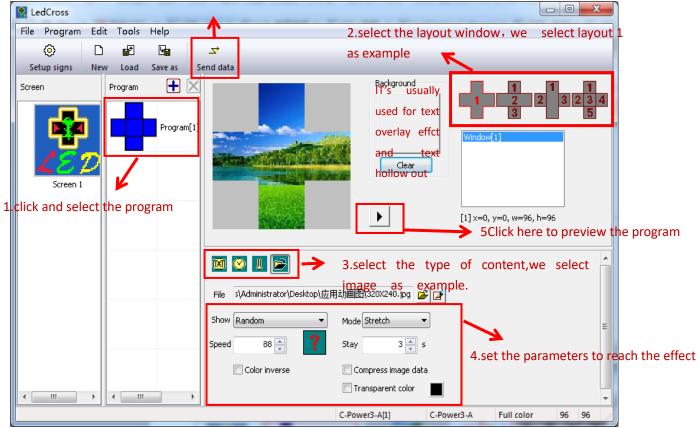
2. Create and edit the programs

Led Cross has 4 layout windows to select, we will take layout 1 and layout 2 as examples to show you how to edit the contents.



4 layout windows

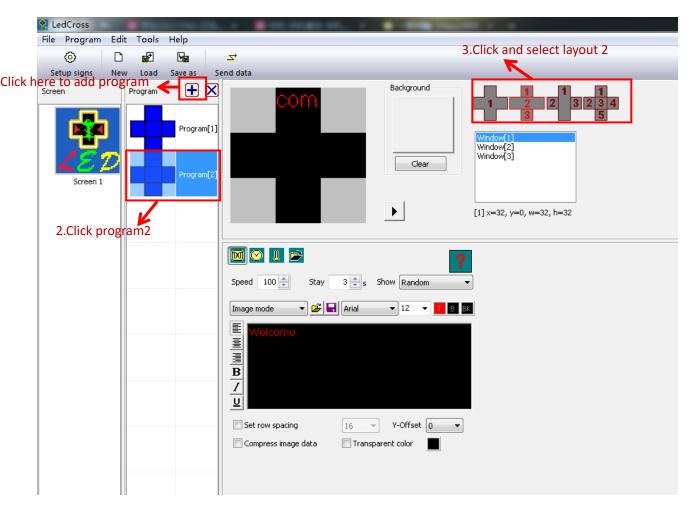
2.1.Edit the contents of layout 1: 6.click here to send the programs to the screen

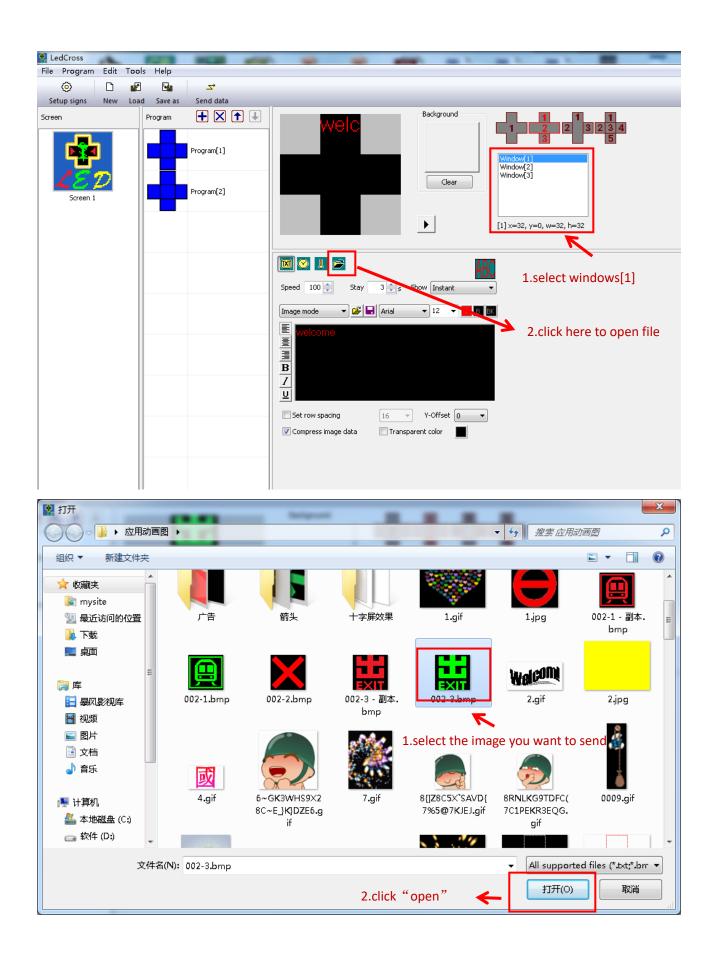


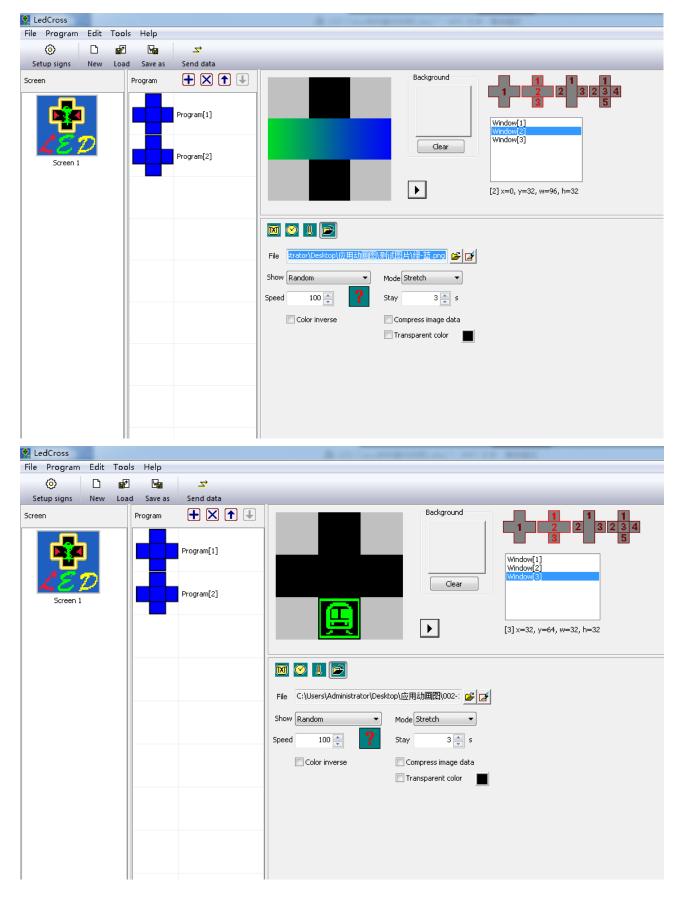
creen	Select all	Unselect all	Selected so	reen 0		Send to current
C-Power3-A[1]			Current s	screen		Send to selected
			Name	C-Power3-A[1]		Send One to Multi
			Items	1		Send to USB Disk
			Data s	ize 27778 b	ytes	Close
			[Netw	vork] 192.168.1.249:	5200	Format screen
Detail of current				Detail of screen		Refresh detail
Filename	Size	Modified		Filename	Size	Modified
playbill.lpp	32	2017.05.24	15:23:33			
00010000.lpb	27K	2017.05.24	15:23:33			

Click "send to current" in the pop-up window, then the programs will display in screen.

2.2 Edit the contents of layout 2:







2.3. Then edit Windows [2] and Windows [3] in the same way.

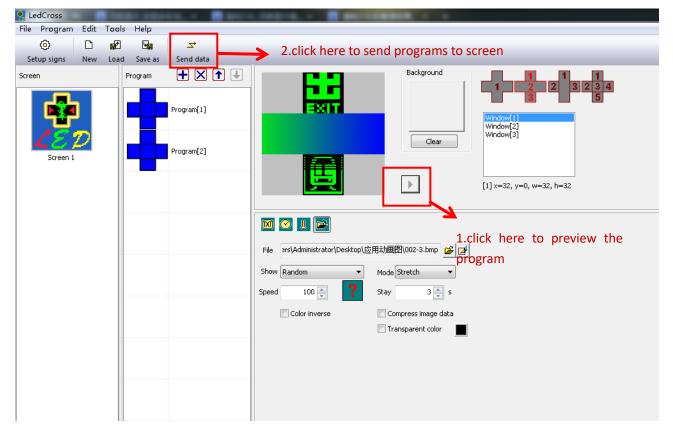


Click

to preview the programs after you finish editing, adjust the parameters and

___ Send data

then click to send programs data to screen.



There is the same way to edit layout 3 and layout4.

If you want to save the programs, click



😫 LedCross		A company of the second second
File Program Edit Tools	s Help	
O		k here to save programs
Setup signs New Load		
Screen	Program 🕂 🔀 🕇 🖳	Background 1 1 1
Screen 1	Program[1]	<pre> 1 2 2 3 2 3 4 5 1 2 3 2 3 4 5 1 2 3 2 3 4 5 1 3 5 1 2 3 2 3 4 5 1 3 5 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 2 3 5 1 1 1 2 3 5 1 1 1 1 2</pre>

	B								
Click	Load	to load	the program	s with a .lpl filen	ame.				
😫 LedCross				A 10 10	and the second second second	- Mariana - Carlos -			
File Program Edit Tools Help									
Image: Setup signs New Load Save as Send data									
Setup signs Screen				Speed 100 Stay Image mode Stay Set row spacing Compress image data	Background Clear 3 s Show Instant	1 2 3 3 5 Window(1)			
				in some some some some					