LED Display Control System

user's manual

2009.8

General description:

LED display screen system consists of display screen, display special controll card, signal transport net line, controll PC and so on. please read carefully before operate in case distroy component.

1.Product feature

- 1.1 support Latin ,Arabic,Slavic,Thai,Korean,old style chinese and any other language,different country choose different language.
- 1.2 support 8 display effect : left shift, right left, down shift, down coverage, up coverage, Random Display ,twinkle display,instant display.
- 1.3 communicate way : RS-232 OR RS 485
- 1.4 support middle display
- 1.5 support time display.

2 LED strip screen display software description

2.1 Double click System.exe , get the interface like NO. 1

Interface including shortcut area, newly opened document area, display input area, play index set up area, display loading process area and so on.

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File Path	<u>~</u>	
		Port COM1 -
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		Play Mode Left Shift 💌
		Play Speed 1
		Color Set RED 💌
		Settle Time 1
		Input Clear
Serial Port: COM3	Opend Serial Port: COM3 Baud Rate:	9600 Current Time: 09:45:18

2.2 frequently using shortcut key functional description



2.3 Set up display index

2.3.1Series Port set up

Choose communicate series number according own PC or COM1

automanticly.

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									Settle Time	1	•
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2.3.2Choose display language

Choose language by display content, such as Commen language, Japanese, Thailand language and other language.

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		Language Common Language
		Font Size Small 💌
		Play Mode Display Time 💌
		Play Speed 1
		Color Set RED 💌
		Settle Time 1
		Input Clear
Serial Port: COM3	Opend Serial Port: COM3 Baud Rate:	9600 Current Time: 10:23:35

NOTE:

Language selection errors will result in an error on Display, Select the general state common language.

2.3.3Choose display mode

There are 9 display way, left shift, up shift, down shift ,left coverage, right coverage ,left display ,twinkle, display time , Random Display , Please choose best way by the picture showing.

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Serial Port	: COM3			Opend	Serial Po	rt: COM3	Baud Rat	te:	9600 C1	urrent Time: 09:55:	02

2.3.4 choose display speed

there are 9 speed degrees according to vision affect, the highest

is 1st degree, display affect changes with degree and speed.

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2.3.5 Choose display color

Fixed software color is red (pure red) , green and blue

appear at double color.

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									Settle Time	GREEN YELLOW		
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2.3.6 Stay display time set up

Stay display time refer to time that full screen display content,

the range is 1 and 20 seconds.

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		Font Size Large 💌
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		Font Size Small
		Play Mode Large
		Play Speed 1
		Color Set RED 💌
		Settle Time 1
		Input Clear
Serial Port: COM3	Opend Serial Port: COM3 Baud Rate:	9600 Current Time: 10:16:19

2.3.7 Font Size set up

Select the size of the text to display, If the LED dot matrix display for the 16 high,Please select small. Else If the LED dot matrix display for the 32 high,Please select Large.

3 Content Edit :

3.1 display content input way:

1 .input display content directly at display input area .

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rial Port	: COM3			Opend	Serial Por	rt: COM3	Baud Rat	te:	9600 C	urrent Time	: 09:59:3	2

2 copy from other place

3 open documents and display contents of document.

4 double click target document in recently document list.

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]	Language	Common L	.anguage	•
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]	Play Speed	1		•
							(Color Set	RED		•
							1	Settle Tin	ne 1		•
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Serial Port: COM3			Opend Se	erial Port:	СОМЗ	Baud Rate	:	9600	Current Time:	10:06:37	

NOTE: Open the file must be .TXT text file, File format as an international common UNICODE format

To save the file as a unicode format approach:

🚺 Untitled - No	otepad					- - ×	
File Edit Format	: View Help						
Hello World! This is LED	Display!						
	Save As						? 🔀
	Save in:	🗎 My Documer	nts	*	0 0	• 📰 🕈	
	My Recent Documents Desktop My Documents	₩ My Music 避 My Pictures					
		File name:	*.txt			~	Save
C.	My Network	Save as type:	Text Documents (*.txt)			*	Cancel
		Encoding:	ANSI			~	
			ANSI				
			Unicode Unicode big endian UTF-8				

5.Steps Of Display Input On Display Screen

5.1 Step Of Broadcast Input

- 5.1.1 Connect PC with 232 series port of LED display by series line ,also connect to electronic.
- 5.1.2 Display content input
- 5.1.3 Setting Port set up ----- Language ----- Play Mode----- Play

speed --- Color Setting --- Settle Time

	-Setting-			
	Port	COM1	•	
	Language	Common Language	e 🔹	
	Font Size	Small	•	
	Play Mode	Left Shift	•	
	Play Speed	1	•	
	Color Set	RED	•	
	Settle Tim	e 1	-	
	Input Cle	ar		
5.1.4 Click	DATA, loadi	ng date to L	ED display contro	oller

5.2 Synchronic Renew Steps Of Broadcast Way

(Without Change Content)

5.2.1 Set up broadcast area index , broadcast way, broadcast speed,

broadcast color liberty.

5.2.2 Click , renew item index in 4.2.1 to make LED display broadcast.

Special attention:

LED CONTROL SYSTEM		
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	Font Size	small
	Play Mode	Bisplay Time
	Play Spec	ed 1
	Color Se	t RED 💌
	Settle T	ime 1
	Input C	lear
Serial Port: COM3	Opend Serial Fort: COM3 Baud Rate: 9600	Current Time: 10:14:15

Select Play Mode Component is Display Time

and Click, Display Current system Time on LED display.

LED CONTROL SYSTEM		
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NEW. OPEN SAVE AS UPDATE		
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File Path H	Ello World!	Setting
1. txt C:\1. txt T	his is Led Display System.	Port COM1
		Language Common Language -
		Font Size Small 💌
		Play Mode Left Shift 🔹
		Play Speed 1
		Color Set RED 💽
		Settle Time 1
	V	Input Clear
Serial Port: COM3	Opend Serial Port: COM3 Baud Rate:	9600 Current Time: 10:11:12

Only Click , Not Select Play Mode

Component is Display Time .Only Correction Time.

6 LED display screen work index

Environment tempreture: $-20^{\circ}C$ ----+ $50^{\circ}C$

Working voltage : AC80 V ---- AC260V

7 Simple Stoppage

7.1 The first display is system time at nomal opening .when open it in later time, the display is documents of user. But there is some date lost under unnomal opening. You can reconnect series line to PC ,and rewriter date to LED . now its ok .

7.2 Different country choose different language input by language software, if not, it will be unnomal.

7.3 If PC and LED display cannot communicate ,please check by this way :

7.4 There is two kinds of series line, series cross line and series series straight line. LED display screen communicate with PC by standard series cross line, if user use own line, please use series cross line.

7.5 LED display screen will be mess during PC communicate with LED display screen and connect or loading ,when finish loading ,its ok .

USB Trans-Communication Suitable To no serial port

(only to windows xp, windows vista system)



If PC no URAT serial port, you can follow up steps as follows :

First step, install software as picture 1.

23 03 2009-7-23 10:52 Setup. exe

Picture 1

You need follow instruction of disk supported by our company, finding PL2303_Prolific_DriverInstaller_v10518.exe install software installed by acquiescence root.

Second step: install LED controll software by picture 2.



Picture 2

Third step : nomal operate LED software.

NOTICE: if a PC with URAT serial port, it will be nomal communication by URAT port, because LED controll software acquiescence URAT port. In this case, If you want to use USB, please re-selection of the port number.

If PC without URAT port, using USB----UART transfer, PC can automantically produce virtual serial number, you can link USB port directly.

The normal state is displayed picture 3:

LED CONTROL SYSTEM					
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File Path					
		Port COM1 -			
		Play Mode Left Shift 💌			
		Play Speed 1			
1					
		Color Set RED -			
		Settle Time 1			
Display		Input Clear			
Serial Port: COM3	Opend Serial Port: COM3 Baud Rate:	9600 Current Time: 09:08:50			

Picture 3

Setup. exe

Notice : after install



successfuilly, link

USB----UART transfer to USB port ,opening

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LED software detect no serial number as picture 4.

Picture 4

Please open systematic source manager, there will appear picture 5.



If there is no Prolific USB-to-Serial Comm Port(COM3) appeared in Ports(COM&LPT), Please uninstall PL2303_Prolific, reinstall again .

◆Before normal communication.Must plug in the USB and then open the LED control software.

◆If communication fails, please re-plug USB port and re-open the LED control software or restart computer.

◆If you have multiple serial ports, and communication is not normal, pelase check the communication cable, or re-select the communication port number.