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DMX512 Config Tool Software Operation Instruction

1.SOFTWARE FUNCTION

The main function structure of the software is shown as follows:



Figure 1: DC Tool Function Structure

1.1 Load Configuration Data:

For configuration data from different sources, specified loading mode is provided to support file import, DMX512 master controller read, system cache loading, etc.

1.2 Edit & Apply Configuration Data:

The software divides the configuration data into system parameter setting and group parameter setting. Users can modify any parameters and send them to the DMX512 controller to make changes effective, thus reaching their desired effect.

1.3 Precautions:

Only with opened serial port can the software read, write and perform other subsequent application operations on the DMX512 master controller.

Remark: The PC configuration software can operate the DMX512 control panel through two ports of DMX512 master controller. 1) The USB to COM of DMX512 master controller can operate the DMX512 control panel with a serial port baud rate of 115200; 2) The RS485 port of the DMX512 master controller can operate the DMX512 control panel with a serial port baud rate of 250000;

2 SOFTWARE USAGE INSTRUCTION

2.1 Function Home Page

After the software is successfully started, it goes to the home page, as shown below:

Dmx512 Config Tool V1.0.5		C _ @ ×
He Hep Open in a new window		2020.09.17 15:18:26 Thur.
Jenal programming		
	Contguistian the pam Selecet Analysis Export	
System Parameter Settings	Group 01 Group 02 Group 03 Group 04 Group 05 Group 06 Group 06 Group 07 Group 08 Group 09 Group 10 Group 11 Group 12 Group 13 Group 13 Group 13 Group 14 Group 15 Group 16	
3CTRange: 2700 - 6700 -	Name: ControlMode: AddressRange: 1 to 1 transformed Group Send	
LockPanelTime(s) 🔽 1 0 🛖	SomeSetting TimeScheduler CycleScheduler	
DFFDisplayTime(s) 🛃 1 0 👘	Key Brightness Color(ROB) Red CCT Green Blue White CCT	
kutoReturnHome(s) 🗹 1 30 👘		
SnoupTotels 0 4 8 12 16		
SeepTones 0 10 20 30 40 50 50 70 80 10 100		
TeepVolume: 0 10 20 30 40 50 60 70 80 50 100		
(brator(ms): 0 to 100 100 200 200 300 400 500		
Tecklit(%): 0 10 20 30 40 50 60 70 80 100		
ReepEnable: 🗹 VibratorEnable: 🗹		
CycleTimeScale: 1.0s +	No content in table	
System Parameter Send		
Load Cache		
Read Panel		
Write Panel		
Time Setting		
Device Info		
	Senial Port CONTO - Detaction Baud Rate ISSO - Parity Nov - Data Bits I - Detay 200 - Open Close	

Figure 2: Home Page

Serial programming home page is laid out according to top, bottom, left and middle right directions:

1) Top home page can import and export configuration files;

2) Left home page contains system parameter setting and device information display area. The former mainly provides DMX512 reading, writing and other operation functions, while the latter displays the currently connected device version and relevant information of RTC battery voltage;

3) Bottom home page is the area connected and controlled by the PC serial port;

4) The middle right home page is the main area of group parameter setting, and different group parameters can be modified by switching tab.

Others:

Click Toolbar-> Help-> Topic to change home page UI;
 Click Toolbar-> Help-> Language to change home page languages.

2.2 Operation Instruction

2.2.1 Serial Communication Port

Please ensure that the CH340 driver for USB to Serial Communication Port is installed. If not, please refer to the installation of the CH340 driver app to install it.

Any communication between the software and the DMX512 master controller device needs opened serial port for data interaction. At the bottom of the main window, select the serial port that needs to be connected to the DMX512 master controller device (when the serial port changes, clicking the Detection button is needed to manually scan and update the serial port list), and set other serial ports as the default. Click the Open button and wait for the serial port to respond. After successfully opening the serial port, the following prompt figure will appear:

COM10 115200 0 8 1 is opened

Figure 3: Prompt of Opened Serial Port

2.2.2 Configuration File Loading

Click the Select button at the top of the window, select the folder where the configuration file is located in the pop-up window, and then click the Select Folder button to confirm:

	his PC > Windows (C:) > Osers >	Administrator >		V O Se	arch Administrator	
rganize 👻 New fold	ler					
userConfig ^	Name	Date modified	Туре	Size		
我的导图	3D Objects	12/3/2019 2:22 PM	File folder			
车载	AppData	12/3/2019 2:22 PM	File folder			
Constitut Claud Eil	Contacts	12/3/2019 2:22 PM	File folder			
Creative Cloud Fil	E Desktop	12/3/2019 2:26 PM	File folder			
SWPS网盘	Documents	1/9/2020 5:14 PM	File folder			
This PC	🕂 Downloads	12/3/2019 2:22 PM	File folder			
2D Objects	☆ Favorites	12/3/2019 2:22 PM	File folder			
J SD Objects	n Links	12/3/2019 2:22 PM	File folder			
Desktop	👌 Music	12/3/2019 2:22 PM	File folder			
Documents	E Pictures	12/3/2019 2:22 PM	File folder			
🕹 Downloads	Roaming	4/25/2017 10:33 PM	File folder			
Music	🕐 Saved Games	12/3/2019 2:22 PM	File folder			
Pictures	Searches	12/3/2019 2:25 PM	File folder			
Videos	Videos	12/3/2019 2:22 PM	File folder			
🗓 Windows (C:) 🗸						
Fold	er: Documents				+	_

Figure 4: Select the Configuration File

After clicking the Analysis button, the software background immediately parses and verifies the configuration file under the selected path (ConfigScheduleTaskData.h, ConfigTouchCtrlData.h). If the contents of the configuration file are complete and correct, the software will interpret the read data and display them in the window (the process takes 1-3s).

не нер	Open in a new window																	2020.09.17 15.20.43
Serial programmin	ng																	
						Configuration file path C:\Wsers\qqqqqqqq	qq\Des	ktop\co	nfig\test So	lecet	Analysis Exp	ort						
 System Parame 	ter Settings	Group	01 Group 02	Group 03 G	oup 04 Group	0 05 Group 06 Group 07 Group 08 Grou	p 09 0	Sroup 10	Group 11 Group 12	Group 1.	Group 14 Group	15 Group 16						
CCTRange:	2700 - 6700 -	Name	bedroom		ControlMo	des RGBW * AddressRanges	1		* to 4	*	Group Send							
ockPanelTime(s)		Scene	Setting TimeSi	cheduler Cycl	Scheduler													
		No.	Date		lime	Week	Day/	Neek	UnionCycle	Uch	/alid Brightness	Color(RGB)	Red	Green	Blue	White	Enable	
JPPUsplay1ime(s)		1	04/09/2020	=	00.00.00	Sun, Mon, Tue, Wed, Thur, Fri, Sat. *	Day	*	CycleScheduler 1 *		100	#EEEEEE	255	255	255	0		
kutoReturnHome)	(4) 🗹 : 100 👘	2	04/09/2020		01:00:00	*	Day	٠	*		100	#FF4040	255	64	64	0		
SenuelTotals		3	04/09/2020	-	02:00:00	-	Day	-	-		100	#FFFFFF	255	255	255	0		
		4	04/09/2020	-	03:00:00	-	Day	-	-		100	#OOFFFF	0	255	255	0		
leepTones	0 10 20 30 40 50 60 70 80 90 100	5	04/09/2020	-	04:00:00	*	Day	*			100	#0055555	0	255	255	0		
		6	04/09/2020	=	05:00:00	*	Day	*	-		100	#000000	0	0	0	0		
eepVolume:	0 10 20 30 40 50 60 70 80 90 100	7	04/09/2020		06:00:00		Day	*			100	#FF0000	255	0	0	0		
(bratorime):		8	04/09/2020		07:00:00		Day				100	#FFFFFF	255	255	255	255		
	0 60 100 100 200 200 200 800 800	9	04/09/2020	-	08:00:00	*	Day	*	*		100	#FF0000	255	0	0	0		
Backlit(%):	0 10 20 30 40 50 60 70 80 90 100	10	04/09/2020		09:00:00	*	Day	*	*		100	#FF4040	255	64	64	0		
Interference	WhentorEasthlas	11	04/09/2020	-	10:00:00		Day				100	#FFFFFF	255	255	255	0		
repenser		12	04/09/2020	-	11:00:00		Day				100	ROOFFFF	0	255	255	0		
lycleTimeScale:	1.0s -	13	04/09/2020	-	12.00:00		Day	*			100	#OOFFFF	0	255	255	0		
Sys	stem Parameter Send	14	04/09/2020		13:00:00		Day	*			100	#000000	0	0	0	0		
		15	04/09/2020		14:00:00		Day				100	#FF0000	255	0	0	0		
		16	04/09/2020	-	15:00:00		Day	-	-		100	#FFFFFF	255	255	255	255		
	Load Cache	17	04/09/2020	-	16:00:00	*	Day	*			100	#FF0000	255	0	0	0		
	Read Panel	18	04/09/2020	=	17:00:00	*	Day				100	#FF4040	255	64	64	0		
-	Write Panel	19	04/09/2020	-	18:00:00		Day				100	******	255	255	255	0		
_		20	04/09/2020	-	19.00:00		Day				100	ROOFFFF	0	255	255	0		
-	Time Setting	21	04/09/2020	-	20:00:00		Day				100	#ODEFEE	0	255	255	0		
	Save cache	22	04/09/2020		21:00:00	*	Day				100	#000000	0	0	0	0		
		23	04/09/2020	-	22:00:00	-	Day		-		100	#FF0000	255	0	0	0		
		14	04/00/2020	1.	12,00,00		Day				100	+000000	255	165	255	165		

Figure 5: Data Loading Completed

2.2.3 System Cache Loading

This function button is Load Cache and only supports the operation of Save Cache that has been performed at least once before. After pressing the Load Cache button, the software will automatically import all configuration data from the last Save Cache time point.

2.2.4 DMX512 Read Panel

With the opened serial port, which is ready for communication, reading the data from the DMX512 master controller device can be achieved only with a simple click on the Read Panel button on the left side of the window, and the program will assign configuration parameter data to the DMX512 Read Panel step by step:



Figure 6: DMX512 Mater Controller Device Read Progress

After reading all the required data (100% progress), the background will display the verified and interpreted data in the window directly.

2.2.5 System Parameter Sending

In the setting area of system parameters, it should be noted that the setting range of CCT Range exerts a direct influence on the setting of group parameters. As long as the value is changed, the CCT attribute value under all group lists will be dynamically confined, that is, the value exceeding CCT Range will be automatically adjusted to the upper limit of CCT Range, and the value below it will be automatically adjusted to its lower limit, and all groups will be influenced. CycleTimeScale mainly divides the time scale factors of StayTime and FadeTime of group cycle task, which directly affects the color temperature switching speed of LED lights.

Note: For the setting value of the time scale factor CycleTimeScale, please refer to the following table.

Item	Cycle Schedule Group Enable Total	Fade Time=0 Group Total	Single Scene Stay Time Average Min Data(ms)	Suggest Cycle Time Scale Min Data
1	1	1	140ms	x0.1
2	2	1	200ms	x0.2
3*	3	1	300ms	x0.2
4*	4	1	400ms	x0.2
5	5~6	1	500ms	x0.5
6*	7~8	1	600ms	x0.5
7*	9	1	900ms	x0.5
8	10~16	1	1000ms	x1.0

Remark: When the item is 3, 4, 6 or 7, within the maximum value range of Cycle Schedule Group Enable Total, and Fade Time=0 Group Total>1, the value of Single Scene Stay Time Average Min Data(ms) is slightly smaller than the corresponding reference value in the above table.

After adjusting several system parameters, click the System Parameter Send button to synchronize the system setting and can view the actual effect in real time.

2.2.6 Write Panel

Complete sending, which suggests that all parameters are sent to the DMX512 master controller device, can be regarded as the reverse operation of DMX512 Read Panel, and is also carried out step by step.



Figure 7: Data Sending Progress

Sending configuration parameters to the DMX512 master controller is more time-consuming than reading configuration parameters from it, because it compares and calculates configuration parameters one by one before returning confirmation information. The software will not proceed to the next step until it receives the confirmation information. Please wait patiently.

2.2.7 Time Setting

This operation synchronizes the time of the computer where the software is located to the DMX512 master controller device.

2.2.8 Save Cache

It refers to saving current configuration data to the system cache. Each use of this function will cover the configuration saved before updating, for system cache only, which is the loaded one that has been mentioned before.

2.2.9 Export

The software also supports the export of configuration files. Click the Export button on the upper right of the program window, select the folder path to be exported, and then click the Select Folder button to complete the export.



Figure 8: Export Configuration File

The exported configuration file can be regarded as a backup configuration. If needed, it can be operated on demand after reading through the configuration file loading function.

2.2.10 DMX512 Factory Data Reset

Each DMX512 master controller device comes with its own factory configuration. This function directly commands the DMX512 master controller device to reset the factory setting. Please use it with caution.

2.2.11 Group Parameter Edit & Preview

Group parameter configuration consist of group name, group control mode, group address range, SceneSetting, TimeScheduler and CycleScheduler.

The ControlMode under the group parameters directly affects the group address range rules (data packet header and footer), and the address ranges of each group must not intersect (no intersection).

1) DIM mode range span is the multiple of 1;

2) CCT mode range span is the multiple of 2;

3) RGB mode range span is the multiple of 3;

4) RGBW mode range span is the multiple of 4;

5) RGBCCT mode range span is the multiple of 5;

For example, if the starting address of RGBCCT mode is 4, the ending address is x, the multiple is y, and both x and y are greater than 0, they must satisfy the formula: (x-4)+1 = 5y.

The switching of ControlMode mode dynamically affects the SceneSetting, TimeScheduler and CycleScheduler lists, and the same columns in different lists are hidden or displayed depending on the mode.

There are many right-click functions in the group parameter list. The control mode, RGBW, is illustrated in detail here, as shown below:

	Select All Unselect All Effective All Invalidate All	
	Edit values - Date Edit values - Time Edit values - Week Edit values - Day/Week	Select All Unselect All Edit values - StayTime
	Edit values - UnionCycle Edit values - Brightness	Edit values - FadeTime Edit values - Brightness
Edit values - Brightness Edit values - Color Edit values - Red Edit values - Green	Edit values - Color Edit values - Red Edit values - Green Edit values - Blue Edit values - CCT	Edit values - Color Edit values - Red Edit values - Green Edit values - Blue Edit values - CCT
Edit values - Blue Edit values - CCT Copy Group Ctrl Data	Copy Group Ctrl Data Paste Group Ctrl Data Single View	Copy Group Ctrl Data Paste Group Ctrl Data Single View
Paste Group Ctrl Data Single View	Multiple View ON Multiple View OFF	Multiple View ON Multiple View OFF

Figure 9: From Left to Right: Right-click Menu Functions of SceneSetting, TimeScheduler and CycleScheduler

It can be divided into 4 parts at most according to the dividing line from top to bottom. The right-click menu varies with ControlMode mode and list.

The first part is the select-all and unselect-all table columns with check boxes.

The second part is to uniformly modify the values of the specified columns in current table.

The third part is to copy the data from the three tables of current group to the system cache. Right click any table area in the group that needs to reference the copied data, and select Paste Group Ctrl Data in the pop-up menu to complete the 1:1 duplication. The duplication function only supports the operation among groups with same ControlMode mode.

The fourth part is SceneSetting, TimeScheduler and CycleScheduler preview function. SceneSetting only supports Singe View. For each preview of the configuration effect of the selected row, Multiple View ON previews the operation effect of the selected item in users' current list Enable option, while Multiple View OFF stops previewing.

Remark: In the CycleScheduler list, the actual time length of Stay Time and Fade Time needs to be associated with the Cycle TimeScale setting value.

2.2.12 Group Parameter Sending

Send the configuration to the DMX512 master controller device in groups, and each group is equipped with a Group Send button. After adjusting the specified group parameters, click this button to start sending group parameters, and then wait for the response:

Dmx512 C	Config Tool V1.0.5																	- iJ - 6
File Help	Open in a new window																	2020.09.17 15:22:56
Serial programming	9																	
					Configurati	on file path C/Users/qqqqq	dddd/Dei	itop\ce	nfig\test Soloci	et An	alysis Expo	irt						
 System Parametri 	ter Settings	Group	0 01 Group 02	Group 03	Group 04 Group 05 Group	0 D6 Group 07 Group 08	Group 09 0	roup 1	Group 11 Group 12 Gro	rup 13 Gn	oup 14 Group 1	5 Group 16						
CCTRange:	2700 🔹 - 6500 🔹	Name	zone01		ControlMode: RG	W • AddressRan	pei 1		n to 4 n	Grou	p Send							
ockPanelTime(s)		Scene	Setting TimeS	cheduler	CycleScheduler													
(EDirola Time/c)		No.	Date		Time	Week	Day/N	Teek	UnionCycle	UcValld	Brightness	Color(RGB)	Red	Green	Blue	White	Enable	
(company and a	-	1	16/09/2020	-	00.00.00	*	Day	٣	CycleScheduler 1 *		100	#FF0000	255	0	0	0		
utoReturnHome(i	a) 🛃 : 100	2	16/09/2020		01:00:00	*	Day	٣	*		100	#FF4000	255	64	0	0		
reupTotals		3	16/09/2020	-	00:00:50	•	Day	*			100	#FFFF00	255	255	0	0		
	-	4	16/09/2020		03:00:00	*	Day	٠			100	#00FF00	0	255	0	0		
eepTones	0 10 20 30 40 50 60 70 50 90 100	5	16/09/2020		04.00:00	*	Day	٣	*		100	WOOFFFF	0	255	255	0		
leen Volumes		6	16/09/2020	-	05:00:00	*	Day	٣	*		100	#00000FF	0	0	255	0		
	0 10 20 20 40 50 50 70 50 50 100	7	16/09/2020		06.00:00	· ·	0	_	×		100	#FF00FF	255	0	255	0		
ibrator(ms):	0 60 100 160 200 200 300 350 400 600	8	16/09/2020	-	07:00:00	* Group 1	Data release	progre			100	#FFFFFF	255	255	255	255		
		9	16/09/2020		08.00:00			54	55 0 .		100	#FF0000	255	0	0	0		
acklit(%):	0 10 20 30 40 50 60 70 80 90 100	10	16/09/2020		09.00.00						100	#FF4000	255	64	0	0		
eepEnables	VibratorEnable : 🔽	11	16/09/2020	=	10:00:00	-		_	Cancel		100	#FFFF00	255	255	0	0		
urlaTimaScalat	0.57	12	16/09/2020	-	11:00:00	*	Day	٣	*		100	#00FF00	0	255	0	0		
por mental		13	16/09/2020	=	12:00:00	*	Day	٣			100	#OOFFFF	0	255	255	0		
Syst	tem Parameter Send	14	16/09/2020	-	13.00:00	*	Day	٣	*		100	#0000FF	0	0	255	0		
		15	16/09/2020	=	14:00:00	*	Day	٠			100	#FF00FF	255	0	255	0		
	Load Carbe	16	16/09/2020	-	15:00:00	-	Day	-	-		100	#FFFFFF	255	255	255	255		
_		17	16/09/2020	-	16.00:00	*	Day	٣	×		100	#FF0000	255	0	0	0		
-	Read Panel	18	16/09/2020	-	17:00:00	*	Day	٠	×		100	#FF4000	255	64	0	0		
	Write Panel	19	16/09/2020	-	18:00:00	*	Day	٠	*		100	#FFFF00	255	255	0	0		
-	Time Setting	20	16/09/2020		19.00:00	•	Day	٠	-		100	#OOFFOO	0	255	0	0		
_		21	16/09/2020	-	20:00:00	*	Day	*	~		100	#OOFFFF	0	255	255	0		
_	Save cache	22	16/09/2020		21.00:00	*	Day	٣	*		100	#0000FF	0	0	255	0		
		23	16/09/2020	-	22:00:00	-	Day	*	-		100	#FF00FF	255	0	255	0		
Device Info		24	16/09/2020	-	23:00:00	*	Day	*			100	#FFFFFF	255	255	255	255		
- Jence Into			Serial Por	e (0)/	0 - Detection Baud	Rater 115200 - Paritys		Det	a Bits: 0 - Stop B	Rs 1	~ Delay:	300 *	Open	Close				

Figure 10: Group Parameter Sending Progress

The 100% sending progress indicates that the group 2 configuration is successfully sent.

2.2.13 Group Data Lazy Loading

The new configuration data obtained by reading the configuration file, loading the system cache or reading the configuration by the device needs to render the window data. To enhance users' experience, current version extensively optimizes the data loading to make the loading more balanced, and adopts the following methods to load synchronously: Intermittent balanced load: Trigger after obtaining new data. After splitting the data, load the group data of the window stay area first, then batch and keep reasonable time interval to render other group data, and then render other groups of data in batches within a reasonable time interval to reduce GUI thread pressure, thus making the program response faster and smoother.

Tap load: Trigger after clicking the group tap. This loading method only loads current group data and only loads it once, unless new configuration data is obtained and current group tab is clicked again.

The above two methods can be operated both independently and simultaneously.

ionar be		×
Group data loading		
	7.69%	
		Cancel

Note: When users send data, if the intermittent loading is not completed in the background, the program will not respond only after the loading is completed, as shown in Fig. 13; otherwise, it will respond immediately.

Figure 13: Group Data Loading

2.2.14 RGB Color Option Under Control Mode

Under the group mode of RGB/RGBW/RGBCCT, the user opens the palette, which contains the predefined color set and the "Custom Color" link pointing to the "Custom Color" dialog window, by clicking the color label in the cell corresponding to the Color column. The palette supports navigation by the up, down, left, and right keys, and custom color set cannot be reloaded when the app restarts, unless it is saved in the app. Each color selected in the palette or custom color area is displayed on the color indicator of the color picker. And the color picker label presents corresponding hex Web color value.



Figure 12: Custom Color

The "Custom Color" dialog window is a modal window, which can be opened by clicking the corresponding link in the palette. After opening the "Custom Color" window, the color value displayed in the color indicator of current color picker is displayed. Users can define a new color by moving the cursor over the color area or sector color bar, as shown in Fig. 12.

Another method for defining new colors is to explicitly input HSB (hue, saturation and brightness) value or RGB (red, green and blue) value or HEX (Web) value in corresponding field. Fig. 24-6 shows three tabs for custom color settings.

After setting the custom color value, press the Enter key to confirm.

3 INSTALLATION PROCESS & PRECAUTIONS

3.1 Installation Steps

- Run installation file:
- · Select installation language:



Figure 14: Installation Language

· Select installation path:



Figure 17: Start to Install

· Start to install:



3.2 JRE Environment Variable Configuration

Step 1: Right click the desktop computer icon system property setting window;

and select $\mathsf{Properties}{\rightarrow}\mathsf{Advanced}$ system settings to open the



Figure 20: System Property Window

Figure 21: Environment Variable Setting

Window

Step 2: After switching to the Advanced tab, click the Environment Variables button to open the environment variable setting window;

	value	-
ChocolateyLastPathUpdate	132125804469831337	
ew System Variable		
ariable name: 2 EXE41 14	AVA HOME	-
		_
ariable value: 3 D:\Progr	ram Files (x86)\DMX512 Config Tool	
	Browse File A OK Cancel	
Browse Directory		
Browse <u>D</u> irectory ystem variables Variable	Value	^
Browse Directory ystem variables Variable PROCESSOR_REVISION	Value Se03	^
Browse Directory ystem variables Variable PROCESSOR_REVISION PSModulePath	Value 5e03 %ProgramFiles%iWindowsPowerShell\Modules;Ci\WINDOWS\system32\Wi	^
Browse Directory ystern variables Variable PROCESSOR_REVISION PSModulePath TEMP	Value Se03 %ProgramFiles%;WindowsPowerShell;Modules;C:;WINDOWS\system32;Wi C:;WINDOWS\TEMP	^
Browse Directory ystem variables Variable PROCESSOR_REVISION PSModulePath TEMP TMP	Value Se03 %ProgramFiles%WindowsPowerShell\Modules;C:\WINDOWS\system32\Wi C:\WINDOWS\TEMP C:\WINDOWS\TEMP	^
Browse Directory ystem variables Variable PROCESSOR_REVISION PSModulePath TEMP USERNAME	Value 5e03 %ProgramFiles%\WindowsPowerShell\Modules;C:\WINDOWS\system32\Wi C:\WINDOWS\TEMP C:\WINDOWS\TEMP SYSTEM	^
Browse Directory ystem variables Variable PROCESSOR_REVISION PSModulePath TEMP TMP USERNAME VBOX_MSLINSTALL_PATH	Value Se03 %ProgramFiles%;WindowsPowerShell\Modules;C:\WINDOWS\system32\Wi C:\WINDOWS\TEMP C:\WINDOWS\TEMP SYSTEM C:\Program Files\Oracle\VirtualBox\	^
Browse Directory ystem variables Variable PROCESSOR_REVISION PSModulePath TEMP TMP USERNAME VBOX_MSLINSTALL_PATH windir	Value Se03 %ProgramFiles%WindowsPowerShell\Modules;C:\WINDOWS\system32\Wi C:\WINDOWS\TEMP C:\WINDOWS\TEMP SYSTEM C:\Program Files\Oracle\VirtualBox\ C:\Program Files\Oracle\VirtualBox\ C:\WINDOWS	^
Browse Directory ystem variables Variable PROCESSOR_REVISION PSModulePath TEMP USENNAME VBOX_MSLINSTALL_PATH windir	Value 5e03 %ProgramFiles%\WindowsPowerShell\Modules;C:\WINDOWS\system32\Wi C:\WINDOWS\TEMP SYSTEM C:\Program Files\Oracle\VirtualBox\ C:\WINDOWS	~
Browse Directory ystem variables Variable PROCESSOR_REVISION PSModulePath TEMP TMP USERNAME VBOX_MSL_INSTALL_PATH windir	Value Se03 %ProgramFiles%\WindowsPowerShell\Modules;C\WINDOWS\system32\Wi C\WINDOWS\TEMP C\WINDOWS\TEMP SYSTEM C\Program Files\Oracle\VirtualBox\ C\WINDOWS	~

Step 3: After clicking the New button to pop up the parameter setting window, Variable name must be set to EXE4J_JAVA_HOME, and the Variable value must be set to the installation path of the software (the parameters in the figure are for reference only), then click the OK button in turn to return to the window in Fig. 11, and click the OK button again to save the environment variable setting.

Step 4: Restart the computer to make the environment variable configuration take effect.

3.3 Precautions:

1) Please follow the installation steps, otherwise the software cannot start normally;

2) This software is installed on disk C by default. If the installation path is not changed, start the program as an administrator. Specific operations are as follows:

Right click the desktop icon as an administrator.



Click OK to complete the setting.

3) Be sure to uninstall this software before reinstalling.

DMX512 Config	Tool Properties		×
Security	Details	Previous Ver	rsions
General	Shortcut	Compat	ibility
If this program isn't v try running the comp Run compatibility How do I choose co Compatibility mode	working correctly on thi patibility troubleshooter r troubleshooter ompatibility settings man e	s version of Win	dows,
	am in compatibility mod	e for:	
Windows 8		\sim	
8-bit (256) color	80 screen resolution		
Disable fullscre	een optimizations		
Run this progra	am as an administrator		
Change hig	h DPI settings		
Change setting	is for all users		
	OK	Cancel	Apply

Figure 22: Start the Program as an Administrator

4 INSTALLATION OF CH340 DRIVER

4.1 Installation Steps

1) Plug in the USB serial port cable and double click the file "CH341SER.EXE" to install it.

s → STM32 Download Tool (Fly	Mcu) → CH340 CH341 Driver		
名称 ^	修改日期	美型	大小
🛃 CH341SER.EXE	2019/10/23 10:46	应用程序	277 KB
Readme.txt	2020/1/9 16:58	文本文档	1 KB

Figure 23: Double Click the File "CH341SER.EXE"

2) If prompted for installation failure, reinstall it after uninstalling.

DriverSetup(X64)	- 🗆 ×	
Select INF	CH341SER.INF ~	
INSTALL	WCH.CN USB-SERIAL CH340	
UNINSTALL	01/30/2019, 3.5.2019	
HELP		

Figure 24: Driver Installation

3) Click My Computer-Management-Device Manager to check if the installation is successful.

