# User's Manual of

# Laser Engraving Cutting Software RDCAM5.0



# **Chapter 1 Software installation**

### 1.1 Install steps

(1) Double-click the RDCAMSetup.exe under the installation directory, the following dialog box appears:

🜉 RDCAI 5.0.0.8 安装	
欢迎来到 RDCAM 安装程序向导	
本向导将指导你通过 RDCAM 的安装过程。	
开始安装前推荐你关闭全部其它的程序。这将能够更新相关的系统文件不需 要重启你的电脑。	
点击 下一步 继续。	
安装	取消

(2) Click [Install], when extract copy is to be completed, the installation main interface appears:

▼elcom to use(欢迎使用)		
Install Dri	ver/驱动安装	
Type/类型:	LaserWork 💌	
Lanuage/语言:	简体中文 🔽	
Mainboard/主板:	RDLC320	
□Locate install path/定位安装路径 □Demo version/演示版 Install/安装 Exit/退出		

#### **1.2 Installation settings**

The installer can choose different installation content.

- 1> Install motherboard USB driver.
- 2> According to the different customer application needs and the habit of using to



select the type of software

- a. Stand-alone software LaserWork.
- b. The software that plug-ins to CorelDraw. Support the version from Coreldraw11 to X5.
- c. The software that plug-ins to AutoCad. Support the version from 2004 to 2010.
- d. The software that plug-ins to Cadian.
- 3> Choose a different installation languages

At present, it support Simplified Chinese, Traditional Chinese, English and the custom language type.

4> Select the software matches the motherboard

The motherboard can support both motherboards have RDLC320 and RDLC430.Because the function of the two motherboard have different places, please install the corresponding software with the motherboard. Otherwise, it does not work.

5> Demo version installation

According to the type of software installation, the installation language, the choice of motherboard generate different versions of the DEMO Software.

### 1.3 Installation

Choose the type of software, installation language and the appropriate motherboard. Click【Instal1/安装】to install the software. After installation is complete, the following dialog box appears to prompt the user that the software has been installed successfully.

RLaserSetUp 🛛 🔀	
(į)	Install Finish!
	OK

### 1.4 Exit

After installing the installation needed. Click【Exit/退出】 to end the installation process (Because of the possible need to use several installation, so the installation dialog does not automatically exit).



#### 1.5 Other matters

1> When installing the plug-in software, the software that has been articulated should be shut down. After installation, restart the software.

2> The regular version and the DEMO version of the plug-in software is covered by each other.

3> In the default installation path, the normal version and the DEMO version of the independent software and different types of independent software motherboard with each other.

For the same time to install two versions, select the 【Locate install path/定位安 装路径】. The regular version and the Demo version should be installed in the different location.

In addition, need to the appropriate software installation location, manually add a desktop shortcut for the software.

4> Modify the information of manufacturers

In the package, in addition to RDCAMSetup, there are four text files.

Info\_Sche、Info\_Tche、Info\_En、Info\_Other, the four files correspond to the software information of manufacturers that be displayed in Simplified Chinese, Traditional Chinese, English and the custom language. If the four text is modified, manufacturer information also will be installed when the program was installed.

Open the text that should be modify, an example in Simplified Chinese:

0 = Company Name:

1 = . . . (Fill in company name here)

And so on, the company information in other languages is the same set.

## **Chapter 2 install USB drive**

USB drives can be manually installed, can also be installed directly in the RDCAM program automatically installs.

Under normal circumstances, manual installation and automatic installation is exactly the same, and the use of automatic installation was recommended. However, if automatic installation was not successful, try to manually install the USB driver. If manual installation still fails and confirm the availability of USB drive is the right circumstances, there may be some kind of operating system failure can not be expected. So you should to re-install the operating system, then install the drivers.

The current USB drive support to be used in the operating system WIN2K ,WINXP and Win 7.



### 2.1 Automatically install the USB driver

RDLC board will be charged, waiting for the end of the motherboard reset. The USB cable that was connected with the port of PC motherboard should be plugged into the available USB port on the host. Operating system will prompt the discovery of new hardware and install the driver asked, can not process the message.

Run the installation program RDCAM. Click【Install Driver/驱动安装】to install the USB drives.

If there are hardware installation prompts, choose continue until the installation is complete.

Hardwa	re Installation
<u>.</u>	The software you are installing for this hardware: USB Serial Converter has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway

After installation, the following dialog box appears, indicating that the USB driver have been successfully installed.



### 2.2 Manually install the USB driver

When the USB cable to the host, the operating system will be prompted to find new hardware and install the driver required.





#### Select "Install from a list or specific location[Advanced]" and then select Next.

Found New Hardware Wizard	
	Welcome to the Found New Hardware Wizard
	This wizard helps you install software for:
	FT245R USB FIFO
	If your hardware came with an installation CD or floppy disk, insert it now. What do you want the wizard to do?
	Install the software automatically (Recommended)
	<ul> <li>Install from a list or specific location (Advanced)</li> </ul>
	Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel



Select "Install from a list or specific location" and then select Next.

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
✓ Include this location in the search:
E:\work\强国力 Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< <u>B</u> ack <u>N</u> ext > Cancel

Select "Do not search, I will choose the driver to install" and then select Next.

Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Manufacturer       Model         Standard CD-ROM drives)       CD-ROM Drive (force CDDA accurate)         (Standard IDE ATA/ATAPI col (Standard keyboards)       CD-ROM Drive (force CDDA inaccurate)         (Standard system devices)       CD-ROM Drive (force IMAPI disable)         CD-ROM Drive (force IMAPI disable)       CD-ROM Drive (force IMAPI disable)         CD-ROM Drive (IMAPI settings 0,1)       Have Disk         This driver is digitally signed.       Have Disk         Tell me why driver signing is important
< <u>B</u> ack <u>N</u> ext > Cancel



#### Click button "Have Disk".

Install F	rom Disk	$\mathbf{X}$
<b>I</b>	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	Browse

Select the "Browse", navigate to the directory where the folder drive.

Locate File			? 🗙
Look jn:	CDM 2.06.00 WHQL Certified	🕑 🕝 🤌 📂 🛄 -	
D Recent	🗁 amd64 🍋 i386 🌗 ftdibus.inf 🌗 ftdiport.inf		
Desktop			
My Documents			
My Computer			
	File <u>n</u> ame: ftdibus.inf		ien
My Network	Files of type: Setup Information (*.inf)	Car	ncel

Select the file ftdibus.inf, then OK, and in the "Found New Hardware Wizard" dialog box, choose "Next".



Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Model
Serial Converter
This driver is digitally signed. <u>Have Disk</u>
< <u>B</u> ack <u>Next</u> Cancel

After the installation process, within the Device Manger will show "USB Serial Port".





Operating system will still be prompted to find new hardware wizard.

Found New Hardware Wizard	
	Welcome to the Found New Hardware Wizard
	This wizard helps you install software for:
	USB Serial Port
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	<ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul>
	Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

Select "Install from a list or specific location [Advanced]" and then select "Next". The remaining operation is consistent with the foregoing. Until the following dialog box appears.

Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Manufacturer (Generic USB Audio) (Generic USB Hub) (Standard CD-ROM drives)
This driver is digitally signed.       Have Disk         Tell me why driver signing is important
< <u>B</u> ack <u>N</u> ext > Cancel



Select "Have Disk", and manually navigate to the driver to the driver location, select the file ftdiport.inf.

Locate File						? 🗙
Look jn:	CDM 2.06.00 \	WHQL Certified	<b>~</b> (	3 🖻 🖻	••	
D Recent	Camd64 Cambrid ftdibus.inf					
Desktop						
My Documents						
My Computer						
	File <u>n</u> ame:	ftdiport.inf		~		<u>O</u> pen
My Network	Files of <u>type</u> :	Setup Information (*.inf)		~		Cancel

Found New Hardware Wizard		
Select the device driver you want to install for this hardware.		
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.		
Show compatible hardware		
Model		
USB Serial Port		
This driver is digitally signed.		
Tell me why driver signing is important		
< <u>B</u> ack <u>N</u> ext > Cancel		

Then select "Next", the operating system will automatically install the driver.



#### After installation, the prompt window appears.

Found New Hardware Wizard		
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: USB Serial Port	
	Click Finish to close the wizard.	
	< <u>B</u> ack <b>Finish</b> Cancel	

View Device Manager once again. The port number of the COM appears in the following of the "USB Serial Port". Specific values relate with the status of the system port.





## Chapter 3 The plug-in of CorelDraw installed

Plug-in software support the version from CorelDraw11 to X5, but some simplified versions of CorelDraw is not supported. Here to the installation of CorelDraw12 as an example to introduce the installation process of plug-in software. If not specified, it is referring to CorelDraw12.

Before installing the plug-in software to run CorelDraw.



Select 【工具】->【选项】

选项		×
<ul> <li>□ 工作区</li> <li>□ 常規</li> <li>□ 显編現示最新報告</li> <li>□ 小教育</li> <li>□ 小教育</li> <li>□ 小教本</li> <li>□ 小外本</li> <li>□ 白</li> <li>□ 介存</li> <li>□ 小外本</li> <li>□ 白</li> <li>□ 合令令</li> <li>□ 小教令</li> <li>□ 小教</li> <li>□ 小</li></ul>	YBA         安全性         ● 高 (1),只允许运行来自可信来源的已签名宏。目用禁用未签名的宏。         ● 中 (0). 您可以选择是否运行带有安全隐患的宏。         ● 日 (0). 您可以选择是否运行带有安全隐患的宏。         ● 「僅.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
	<u>确定(0)</u> 取消( <u>0</u> 帮助(	н)

In the pop-up dialog box, select VBA, on the right do not check the "delay load VBA", then OK, and exit the application CorelDraw.

Run the program of installation, choose "Type/类型" to "CorelDraw\_Laser", then click 【Install/安装】.



Velcom to use(欢迎使用)		
Install Driver/驱动安装		
Type/类型:	CorelDraw_Laser 😽	
Lanuage/语言:	简体中文 🖌 🖌 🖌	
Mainboard/主板:	RDLC320	
<ul> <li>Locate install path/定位安装路径</li> <li>Demo version/演示版</li> </ul>		
Install/安装	麦 Exit/退出	

The installer will automatically install the plug-in software to the all versions of CorelDraw RDCAM that are installed on the operating system and pop-up dialog box.

RLaserSe	etUp 🛛 🔀
(į)	Install Finish!
[	OK

For some versions of CorelDraw (such as green version) may not automatically navigate to the locate where the CorelDraw is installed on. Only need to check "Locate install path/定位安装路径" on the installation software, and then manually browse to navigate the folder location to the root of CorelDraw software where the plug-in program should be installed on.

Exit the installation program, and run CorelDraw.

Toolbar in the CorelDraw interface will appear



If the button does not appear, you should select 【工具】->【选项】in the menu.



选项			X
	命令栏		
- 常規 - 显示 - 編辑 - 補提対象 - 动态告 - VBA - 保存存 - VPA - 保存存 - 小子本 - 保存存 - 小子本 - 二 - 二 - 二 - 二 - 二 - 二 - 二 - 二 - 二 - 二	<ul> <li>○ 菜单栏</li> <li>□ 上下文菜单栏</li> <li>○ 状态栏</li> <li>○ 标准</li> <li>○ 「「「「「「」」」</li> <li>○ 「「」」</li> <li>○ 「」」</li> <li>○ 「」」</li> <li>○ 「」」</li> <li>○ 「」」</li> <li>○ 「」」</li> <li>○ 「」」</li> <li>○ 「」</li> <li>○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○</li></ul>	大小 按钮     ★   ▼   ★   ↓   ★   ↓   ★   ↓   ★   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓	
		确定( <u>0</u> ) 取消( <u>c</u> )	帮助(H)

On the left select the "command bar" and then check "Visual Basic applications", and select "OK".

	this tool bar will appear in the software, select the first button
--	--

## $\triangleright$

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If the toolbar does not appear, reinstall the software CorelDraw.

宏名称(M): <u>RLaserV5.UserInit</u> <u>RLaserV5.ImportDstFile</u> <u>RLaserV5.LaserWorking</u> <u>RLaserV5.UserInit</u>	运行 (L) 取消 逐语句 (S) 编辑 (L) 创建 (C)
宏的位置 GlobalMacros (RLaser12V5.gms) ✔ 描述	────────────────────────────────────

In the "macro location" select "GlobalMacros(Rlaser12V5.gms)". And the "Macro name" choose the RlaserV5.UserInit. And then "Run".



# Chapter 4 The plug-in of AutoCad installed

AutoCad plug-ins can be used to AutoCad2004-2010 non-simplified version. Here to the installation of AutoCad2004 as an example to introduce the installation process of plug-in. If not specified, it is referring to AutoCad2004. Close all running AutoCad programs before AutoCad plug-in installed.

Run Setup. Select "AutoCad Laser" as The "Type/类型", and then click 【install/安装】.

Velcom to use(欢迎使用)		
Install Driver/驱动安装		
Type/类型:	AutoCAD_Laser 🗸	
Lanuage/语言:	简体中文 🖌 🖌	
Mainboard/主板:	RDLC320	
□Locate install path/定位安装路径 □Demo version/演示版 Install/安装 Exit/退出		

Setup will automatically install the RDCAM plug-in software to all versions of AutoCad that were installed on the operating system and pop-up dialog box.

RLaserSe	etUp 🛛 🔀
(į)	Install Finish!
	OK

For some vesions of AutoCad(such as green version) may not navigate to the locate where the AutoCad was installed on. Only need to check "Locate install path/定位安装路 径" on the installation software, and then manually browse to navigate the folder location to the root of AutoCad software where the plug-in program should be installed on.

Exit the installation program, and run AutoCad.

Toolbar interface in AutoCad will appe	ear 🦉
If the button does not appear, select	【工具】->【宏】(A)->宏(M) in the menu.



工具(11) 絵图(12) 标准	主(N) 修改	发(11)	模切板切割(Q)	窗口())	帮助(H)
Autodesk 网站(A) CAD 标准(S)	,		🖉 Standard	<b>~</b>	ISO-25
拼写检查 (2) 快速选择 (2) 显示顺序 (0) 查询 (2)	•		随层 	×	<u>     </u>
工具选项板窗口(2)	Ctrl+2				
加载应用程序(L) 运行脚本(B)					
宏(A)	•	・ 宏	: (M)	1	lt+F8
AutoLISP (S)	•	• 加	式工程(L)		
显示图像(2)	•	·	BA 管理器 (V)		
		V:	isual Basic 编辑	器(8) /	lt+F11

If you can not find it in the menu, it is because the version of AutoCad may not support the plug-in. Pleast re-install a full version of AutoCad.

医宏			? 🔀
宏名称(M):			
C:\Program Fil	les\AutoCAD 2004\acad.dvb!Laser'	V5. LaserIni t	运行(28)
C:\Program 1	Files\AutoCAD 2004\acad.dvb!Las Files\AutoCAD 2004\acad.dvb!Las	erV5. LaserIni ( erV5. LaserRups	关闭
C. Grogram	TITES (AUCOCAD 2004 (acau, uvb) Las	ervo. Lasernuu	帮助(H)
			逐语句(S)
			编辑(2)
			[] 创建 (C)
			一册除し
<	IIII	>	VBA 管理器 (V)
宏位置(A):	所有活动图形和工程	~	选项 (0)
说明(0):			

In the pop-up dialog box, select LaserInit, and run.

The plug-in toolbar can occur if you select this option, but when you close AutoCad and then open the AutoCad software again. But also do not see the toolbar. Then it is possible that your computer is infected with a virus. You must manually to define the boot loader works of AutoCad, or you can re-check for viruses or reinstall the operating system



and AutoCad software.

Manual process of loading plug-in as follows, select the menu 【工具】->AutoLISP-> 加载.

工具 ( <u>T</u> )	绘图(10)	标注(图)	修改	(M)	模切板切器	割(Q)	窗口(W)
Autodo CAD 杤	esk 网站(/ 部# (S)	Ŋ	•	Å	🏏 Standar	d	✓ <sup>▲</sup>
						随层	~
拼写检	ì查(E)						
快速选	择低)			2			
显示顺	婷(0)		•				
查询(	D)		•				
属性摄	取(2)						
对象特	性管理器	(I) Ctrl	+1				
设计中	心(G)	Ctrl	+2				
工具选	项板窗口	(ľ) Ctrl	+3				
数据库	≌连接 @)	Ctrl	+6				
加载应	2 用程序(L)	I					
运行脚	 [本( <u>R</u> )						
宏(A)	—		•				
AutoL	ISP ( <u>S</u> )		•	ከ	哦(L)		
	像(Y)		•	V	isual LISP	编辑	器 (V)

In the dialog box, you should to choose the "Content" button that was under the "Start Group".

加载/卸载应用	程序		? 🛛
查找范围( <u>t</u> ):	Cal 2004	💌 🕝 🏚 📂 🖽-	
Data Links Drv Fonts Help LaserWorkV Plot Style 文件名(M): 文件类型(T):	Sample Support Template C Textures	WebDepot WebServices acad. dvb AcApp. arx AcArray. arx AcArrxAdlm. arx Da载 (L) :*. dvb; ♥	
已加載的应用 文件 acad.LSP acad.mnl acad200 acad200 AcApp.arx AcDblCl	程序 历史记录列表 路径 C:\Program Files\AutoCAD . C:\Documents and Settings. C:\Program Files\AutoCAD . C:\Program Files\AutoCAD . C:\Program Files\AutoCAD . C:\Program Files\AutoCAD .	□添加到历史记录 (A □ □ 添加到历史记录 (A □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	)
		关闭(2) 帮助(H)	



Select "Add" button in the pop-up dialog box. In the AutoCad directory, manually locate and select acad.dvb,acad.lsp. And loading these two files.

E	局动组	? 🛛
	应用程序列表:	
	文件	路径
	acad. dvb	C:\Program Files\AutoCAD 2004\
	acad. 1sp	C:\Program Files\AutoCAD 2004\
	添加(A)	删除 (E) 关闭 (C) 帮助 (H)

Adding the file, close the dialog box, and then close the AutoCad. You can see the plug-in toolbar when you open the AutoCad again.



# Chapter 4 The plug-in of Cadian installed

Cadian plug-in are now available for the non-simplified of Cadian2010. The other version is not tested. When Cadian was installed, you should close the running Cadian procedures.

Run Setup. Select "CaDian Laser" as the "Type/类型". And then click 【install/安装】.

Welcom to use(欢迎使用)		
Install Driver/驱动安装		
Type/类型:	CaDian_Laser	~
Lanuage/语言:	简体中文	*
Mainboard/主板:	RDLC320	*
Locate install path/定位安装路径 Demo version/演示版 Install/安装 Exit/退出		

As CaDian is green software, installation program can not automatically find the installation directory where the need to manually locate the installation path. Select the CaDian installation folder, and click "OK" button.

🔏 Browse for Folder	? 🗙
Select destination folder. 'Visual Assist X' will be add chosen path.	ded to the
😥 🛅 LedTest	~
🕀 🧰 MenuTest	
🗈 🛅 New Folder	
🗈 🛅 RDViewerLED的	
🗈 🛅 RDViewer刷背景的	
🗄 🛅 SerializeTest	
🕒 🗁 UsbDriver-WinXP+2K+Vis	ta+Win 🗏
🗊 🧰 测试图形	_
📄 💼 打标	
🗈 🧰 曲线平滑	
□ □	
ОК	Cancel



After installation is complete, the following dialog box appears.

RLaserSetUp 🛛 🔀		
(į)	Install Finish!	
	OK	

Exit the installation program, and run CaDian.

