

Laser Engraving Cutting Software User Manual ----RDCAM

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Chapter 1 Software Installation Steps

1.1 Installation Steps

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

🚤 RDCAII 5.0.0.8 安裝	
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

Click **(**Install **)**, when extract copy is completed, the installation main interface appears:

fork 💌
·文 🗸 🗸
20 💌



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 supports 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【Install/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.

RLaserS	etUp 🛛 🔀
(į)	Install Finish!
	ОК

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 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:

 $1 = \dots$ (Fill in company name here)

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



Chapter 2 USB Driver Installation

USB driver can be manually installed, and 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 Install USB Driver Automatically

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.



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





2.2 Install USB Driver Manually

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 Wiz	zard
	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.
Bar Chiller	What do you want the wizard to do?
	Install the software automatically (Recommended)
	Install from a list or specific location (Advanced)
	Ulick Next to continue.
	< <u>₿</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\强医力 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

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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 an have a disk that contains the	d model of your hardware device and then click Next. If you ne 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)
< · · · · · · · · · · · · · · · · · · ·	
This driver is digitally signed. <u>Tell me why driver signing is imp</u>	ortant
	< <u>B</u> ack <u>N</u> ext > Cancel

Click button "Have Disk".



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



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Locate File						? 🛛
Look jn:	CDM 2.06.00	WHQL Certified	~	0 0	• 🖽 🔁	
D Recent	amd64 i386 ftdibus.inf ftdiport.inf					
Desktop						
) My Documents						
My Computer						
	File <u>n</u> ame:	ftdibus.inf			~	<u>O</u> pen
My Network	Files of <u>type</u> :	Setup Information (*.inf)			~	Cancel

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

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

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

B Device Manager	
Eile Action View Help	
RD-0445B00FE596 Computer Display adapters DVD/CD-ROM drives DVD/CD-ROM drives DE ATA/ATAPI controllers Keyboards Mice and other pointing devices Monitors Network adapters Other devices Display adapters Prote scores Protes (COM & LPT) Processors SCSI and RAID controllers	
 Sound, video and game controllers System devices Texas Instruments Emulators Texas Instruments XDS560 PCI JTAG Emulator Controllers 	

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?	
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced) Click Next to continue. 	
	< <u>Back</u> <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 Wizar	d
Select the device driver you	u want to install for this hardware.
Select the manufacturer a have a disk that contains	nd model of your hardware device and then click Next. If you the driver you want to install, click Have Disk.
Manufacturer 🔥	Model
(Generic USB Audio) (Generic USB Hub) (Standard CD-ROM drives)	😂 BCM5701 Gigabit Ethernet
This driver is digitally signed. <u>Tell me why driver signing is im</u>	Dortant
	< <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	~	0 🕫	• 🛄 对	
D Recent	Cand64 Caisa 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 (*.in	f)		· (Cancel

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

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Then select "Next", the operating system will automatically install the driver. After installation, the prompt window appears.

Found New Hardware Wiz	ard
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: USB Serial Port
	K Back Finish 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.



B Device Manager	
Eile Action View Help	
□	~
E Disk drives	
E DVD/CD-ROM drives	
E G IDE ATA/ATAPI controllers	
🕀 🦥 Keyboards	
• Mice and other pointing devices	
🗈 🧕 Monitors	
🕀 🌉 Network adapters	
🖻 🍠 Ports (COM & LPT)	
Communications Port (COM1)	
Communications Port (COM2)	
USB Soviel Dave (COM2)	
E SCSL and RAID controllers	
F System devices	
🖃 🎟 Texas Instruments Emulators	
Texas Instruments XDS560 PCI JTAG Emulator	~



Chapter 3 CorelDraw Plug-in Installation

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.

To run CorelDraw before installed the plug-in software.

	工具(0)	窗口())	帮助(H)
	器 选项 (0)	D	Ctrl+J
-	🕠 自定义	(Z)	
1	🔮 颜色管	理器(C)	
	💕 保存当	前为默认值	i (D)

Select 【工具】->【选项】

- 常規 显示 - 编辑 - 面容補助线 - 補捉对象 - 百二, 只允许运行来自可信来源的已签名宏。 - 动容辅助线 - 窗(1)。只允许运行来自可信来源的已签名宏。 - 动容辅助线 - 回 常用業用未签名的宏。 - 动容辅助线 - 回 你 - 政済 - 回 你 - 保存 - (全辺不要使用) ()。对于存在安全隐患的宏。 - 内存 - 何有子 - 外注式 - 回 存之し下皆见下才使用该较量:安装病毒扫描软件,或者 - 日定义 - 命令 - 自定义 - 「一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一	□工作区	VBA	
小社式 小社式 ● 文本 □ 工具箱 ● 自定义 - 命令 ● 向令 - 使用较新版本的 VBA 方案 ● 改档 - 应用程序 ● 全局 ● 使用较新版本的 VBA 方案 ● 強力 ● 使用较新版本的 VBA 方案	- 常规 - 显示 - 编辑 - 动态辅助 线 - 警告 - 保存 - 保存	安全性 ○ 高 (1)。只允许运行来自可信来 自用禁用未签名的宏。 ③ 中 (M)。您可以选择是否运行帮 ○ 低 (建议不要使用)(1)。对于 只有在以下情况下才使用该设 确定打开的所有文档物安全。	≂源的已签名宏。 著有安全隐患的宏。 〒存在安全隐患的宏不采取保护措施。 置:安装病毒扫描软件,或者
□ 文档 □ 全局 □ 全局 □ 使用较新版本的 VBA 方案 保留对象 □ <	····································	 ● 信任所有安装的 GMS 模块 (1) 不兼容警告 □ 使用较新版大的 VBA 方案 	
	」 「问巴牧 」 应用程序 ■ 文档 ■ 全局	□使用较新版本的 VBA 方案 引升 GMS 很快时:	跳过模块 保留对象

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】.



Install	Driver/驱动安装	
Type/类型:	CorelDraw_Laser	~
Lanuage/语言:	简体中文	~
	RDLC320	~

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.

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

For some versions of CorelDraw (such as green version) may not automatically navigate to 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 be appeared If the button does not appear, you should select 【工具】->【选项】in the menu.



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 大小 按钮 大 默认按钮外观(△) 默认 其它 「显示浮动式工具栏印 	送框 1 ★ 約标题W)
	大小 按钮 大 默认按钮外观(a) 默认 其它 显示浮动式工具栏

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

▶ 🕅 🔛 ● 🏦 🖻 this tool

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

button 🕨.

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

RLaserV5. UserInit	
RLaserV5.ImportDstFile RLaserV5.LaserWorking	取消
KLaserV5. UserInit	逐语句(3
	编辑图
	创建①
宏的位査 GlobalMacros (RLaser12V5.gms) 描述	~

In the "macro location" select "GlobalMacros (Rlaser12V5.gms)". To choose "RlaserV5.UserInit" under Macro name, and then "Run".



Chapter 4 AutoCad Plug-in Installation

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】.

Install	Driver/驱动安装	
Type/类型:	AutoCAD_Laser	1~
Lanuage/语言:	简体中文	~
Mainboard/主板:	RDLC320	~

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.

RLaserS	etUp 🛛 🔀
(į)	Install Finish!
(ОК

Exit the installation program, and run AutoCad.

Toolbar interface in AutoCad will appear

If the button does not appear, select 【工具】->【宏】(A)->宏(M) in the menu.



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[具①] 绘图@) 标	主(11) 俏	8改 (M)	模切板切割(Q)	窗口()) 帮助	Œ
Autodesk 网站(A) CAD 标准(S)		•	A Standard	V 🔏 IS0-2	5
拼写检查 (E) 快速选择 (E)		-	·····································	<u>~</u>	_
显示顺序(0)		2 E			
查询(Q)		•			
属性提取(X)					
对象特性管理器(I)	Ctrl+1				
设计中心(G)	Ctrl+2				
工具选项板窗口(P)	Ctrl+3				
数据库连接 (1)	Ctrl+6				
加载应用程序(L) 运行脚本(R)					
宏(A)		•	宏(M)	Alt+F8	
AutoLISP (S)		•	加载工程(L)		
显示图像(2)		•	VBA 管理器(Y)		
命名 ⅧS(Ⅷ)			Visual Basic 编辑	器(B) Alt+F1	1

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

歷宏		? 🛛
宏名称(M):		
C:\Program F	iles\AutoCAD 2004\acad.dvb!LaserV5.LaserInit	运行(28)
C:\Program	Files\AutoCAD 2004\acad.dvb!LaserV5.LaserIni	关闭
C. Grogram	TITES (AUCOCAD 2004 (acad. dvb)Laservo. Laserval	帮助他
		逐语句(5)
		编辑(2)
		<u>删除</u> (2)
<		VBA 管理器 (V)
宏位置(A):	所有活动图形和工程	选项(0)
说明@):		
1		
★宏位置(A):说明(D):	所有活动图形和工程	编辑 (E) 创建 (C) 删除 (D) (VBA 管理器 (Y) (选项 (D)

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.



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



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単抗犯困(し): [[) AutoCAD 2004	🕑 G 🤌 🛤 🗔 -	
🛅 Data Links	🛅 Plotters	🚞 WebDepot	
Drv	C Sample	🚞 WebServices	
Fonts	C Support	💦 acad. dvb	
🔁 Help	🚞 Template	AcApp. arx	
🔁 LaserWorkV5	🚞 Textures	🗽 AcArray. arx	
Plot Styles	🚞 UserDataCache	🙀 AcArxAdlm. arx	
111			
< <u>■</u> 文件名 (20): [
< (件名 (2): (件类型 (2): A 己加載的应用程)	utoCAD 应用程序(*. arx;*.: 亨 历史记录列表		(A)
< 文件名 (U): 文件类型 (T): A 己加载的应用程/ 文件	utoCAD 应用程序(*. arx;*.: 予 历史记录列表 路径		(A)
< 文件名 (g): 文件类型 (g): A 已加载的应用程序 文件 acad. LSP	utoCAD 应用程序(*. arx;*.) 亨 历史记录列表 路径 C:\Program Files\AutoCA		(A)
< 文件名 (2): 文件类型 (2): A 已加载的应用程 文件 acad. LSP acad. Mnl acad. Mnl acad. Mnl acad. Mnl	utoCAD 应用程序(*. arx;*.) 予 历史记录列表 路径 C:\Program Files\AutoCA C:\Documents and Settin C:\Documents and Settin	→ 加載 (L) 1 sp:*. dvb; ▼ □ 添加到历史记录 □ □ … ·gs ·gs □ 启动组	(A)
()) ()) () 文件类型(T): () () 之件类型(T): () () 之(T): () () () () ()	utoCAD 应用程序(*. arx;*.: 予 历史记录列表 路径 C:\Program Files\AutoCA C:\Program Files\AutoCA C:\Program Files\AutoCA C:\Program Files\AutoCA	□ 加载 (L) 1 sp ; *. dvb ; ♥ □ 添加到历史记录 □ □ □ □ □	(A)
文件名 @): 文件类型 (I): A 之件类型 (I): A 之小载的应用程/ 文件 acad. LSP acad. LSP acad. acad200 acad200 acad200 AcApp. arx	utoCAD 应用程序(*. arx;*. 字 [历史记录列表] 路径 C:\Program Files\AutoCA C:\Documents and Settin C:\Program Files\AutoCA C:\Program Files\AutoCA C:\Program Files\AutoCA	加载 (L) 1sp;*. dvb; ♥ □添加到历史记录 □	(A)
< 文件名 @): 文件类型 ①): A 已加載的应用程 文件 acad.LSP acad.LSP acad.Mul acad200 acad200 AcApp.arx AcDblCl	utoCAD 应用程序(*. arx;*.: 字 历史记录列表 路径 C:\Program Files\AutoCA C:\Program Files\AutoCA C:\Program Files\AutoCA C:\Program Files\AutoCA C:\Program Files\AutoCA	加载 (L) 1sp:*. dvb; ▼ □ 添加到历史记录 □ … □ … □ … □ … □ … □ … □ … □ …	(A)

Select "Add" button in the pop-up dialog box. Under the AutoCad directory, manually locate and select and download the two files: "acad.dvb" and "acad.lsp".

启动组 () () () () () () () () () () () () ()	?
文件	路径
acad. dvb acad. 1sp	C:\Program Files\AutoCAD 2004\ C:\Program Files\AutoCAD 2004\
添加(<u>A</u>))	删除 (2) 关闭 (2) 帮助 (2)

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 5 Cadian Plug-in Installation

Cadian plug-in is 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】.

Install	Driver/驱动安装	
Type/类型:	CaDian_Laser	~
Lanuage/语言:	简体中文	~
	RDLC320	~

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 🛛 💡	X
Select destination folder. 'Visual Assist X' will be added to chosen path.	the
😥 🧰 LedTest	~
😥 🦳 MenuTest	
😥 🦳 New Folder	
😥 🧰 RDViewerLED的	
🖃 🧰 RDViewer刷背景的	
🕀 🔂 SerializeTest	
🗊 🗁 UsbDriver-WinXP+2K+Vista+Wir	
🗉 🧰 测试图形	9
🗉 💼 🧰 打标	
🖬 🧰 曲线平滑	
山 🏳 亟待玄纮	
	k
OK Cancel	



After installation is complete, the following dialog box appears.

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

Exit the installation program, and run CaDian.



Thank you very much for using the product from Shenzhen RuiDa Technology!

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