

Roland CutChoice™

Ver. 1

USER'S MANUAL

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Welcome

Welcome to the User Guide for the Roland CutChoice Software. We recommend that you read and understand this document. This document contains instructions for Microsoft Windows and Macintosh computers.

Overview of Software

Once you've created a design, you will most likely want to output. Roland CutChoice allows you to access a user-friendly application that will allow you to use your output device quickly and efficiently. The following listed application can access the CutChoice software the √ indicates availability:

	Windows	Macintosh
CorelDraw 8	√	-----
CorelDraw 9	√	-----
CorelDraw 10	√	-----
Adobe Illustrator 8	√	√
Adobe Illustrator 9	√	√

Supported Output Devices

This software supports the following output devices:

CAMM-1 PRO CX-300, CX-400 and CX-500.

STIKA SX-8, SX-12 and SX-15.

Before using CAMM-1 PRO.

When you are performing output using the CutChoice software, set Coordinate Rotation Settings to [90deg]. In the CAMM-1 PRO USER'S MANUAL, go to "5-2 Details of the Origin-Point Location and Cutting Area" and refer to "Coordinate Rotation Settings" to set Rotation Settings.

System Requirements Windows

The following table lists the minimum and recommended system setup to run the Software. System requirements vary according to the design application you are using, the output device used, and other variables. Your particular setup and intended use of the software determine what hardware and software setup you need to get the most out of the Software. If you are working with relatively small files, the minimum setup may be sufficient. Similarly, if you are working with large files, you should consider the recommended setup. Consult your dealer for advice when choosing a system.

	Minimum	Recommended
Processor	Pentium II 233MHz	Pentium II 400MHz or faster
RAM	128MB	256MB or more
Install Space	100MB	100MB
Working Disk Space	1GB	1GB or more for storage
Operating System(*1)	Running latest version of: Windows 98/ME/2000	Running latest version of: Windows98/ME/2000
Video	800 x 600 screen resolution with 16 bit color	800 x 600 screen resolution with 16 bit color
Other	4x CD-ROM Drive	16x CD-ROM Drive
Parallel (*2)	ECP Capable (SX only)	ECP Capable (SX only)
USB (*3)	USB (CX only)	USB (CX only)

*1 – This software only supports computer that have these OS factory installed. Computers with user upgraded OS may not work properly.

*2 – SX cutters should be connected to the computer's parallel port.

*3 – CX cutters should be connected directly to the USB port.

System Requirements Macintosh

The following table lists the minimum and recommended system setup to run the Software. System requirements vary according to the design application you are using, the output device used, and other variables. Your particular setup and intended use of the software determine what hardware and software setup you need to get the most out of the Software. If you are working with relatively small files, the minimum setup may be sufficient. Similarly, if you are working with large files, you should consider the recommended setup. Consult your dealer for advice when choosing a system.

	Minimum	Recommended
Processor	Power PC 166	G3 or G4 300 MHz or faster
RAM	128 MB RAM with virtual memory enabled (*1)	256MB RAM with virtual memory enabled (*)
Install Space	100MB	100MB
Working Disk Space	1GB or more	1GB or more for storage
Operating System	Mac OS 8.6 – 9.x with Appearance Manager	Mac OS 8.6 – 9.x with Appearance Manager
Video	800 x 600 screen resolution with 16 bit colors	800 x 600 screen resolution with 16 bit colors
Other	4x CD-ROM Drive	16x CD-ROM Drive
USB	CX:USB SX:USB-PIA (*2)	CX:USB SX:USB-PIA (*2)

*1 – Requires virtual memory enabled. Set to 196-MB minimum.

*2 – SX Cutters should be connected to the computer through the USB to Parallel cable (RCC-UP3A). CX Cutters should be connected directly to the USB port.

Installing Roland CutChoice (Windows)

Please make sure all applications are closed before installing this software.

1. Insert the Roland CutChoice Installation CD into your CD-ROM drive. The system displays the Welcome window.
2. Click **Next**. The System will ask if you wish to view the Readme file. Click Yes to View, Click No to continue installing. The Select Components window displays.
3. Note: If you click yes to view the Readme box you must click the close box to continue after viewing the Readme.
4. Select Typical, and then click **Next**. The Select Program Folder window displays.
5. Click **Next**. The select Program Folder displays. The Select Program folder displays.
6. Select the folder you would like Roland CutChoice to display in.
7. Click **Next**. The Destination Location window displays.
8. Select the destination by clicking on Browse or except the default location.
9. Click **Next**.
10. Click **OK** to restart your computer.

Setting Up the Roland CutChoice

Once the computer restarts, CutChoice is automatically launched and you are prompted to select the output device.

1. Select the model of your output device.
2. Click Next.
3. Select the port type you would like to use. Please select the following ports depending on the OS and the output device.

OS	SX Cutters	CX Cutters
Windows 98/ME	LPT1	LPT2 (*1)
Windows 2000	LPT1	USB00x

*1 – Requires the installation of USB to Parallel driver provided with the CX cutters.

4. Click Finish.
5. Click OK.

Uninstalling Roland CutChoice (Windows)

1. Exit the application that you are using.
2. Click Start>Settings>Control Panel.
3. In the Control Panel, double-click the Add/Remove Programs icon.
4. Remove Roland CutChoice. Click OK when you are finished.
5. Empty your Recycle Bin. You have successfully uninstalled the Roland CutChoice.

Installing Roland CutChoice (Macintosh)

Please make sure all applications are closed before installing the software.

1. Insert the Roland CutChoice Installation CD into your CD-ROM drive.
2. Double-click the Installer icon.
3. Select the Installer language from the Installer window.
4. Select the language you would like from the Language drop-down box.
5. Click OK. Accept the default selection of Easy Install and specify the disk where the System Folder is located (Start up disk) as "Install Location". Click Install when you are finished.

Setting Up the Roland CutChoice

Once the computer restarts, CutChoice is automatically launched and you are prompted to select the output device.

1. Select the model of your output device.
2. Click Next.
3. Select the port type you would like to use. Choose USB and then select the device.
4. Click Finished.
5. Click OK.

Uninstalling Roland CutChoice (Macintosh)

1. Quit all the applications including the Roland CutChoice Software.
2. Drag the Roland CutChoice Folder into the Trash.
3. Open the System folder.
4. From the Preferences folder, drag the files named 'Roland CutChoice Preferences' into the Trash.
5. Open the folder where Adobe Illustrator is installed.
6. Open the folder Plugin.
7. Drag the "CutChoice Plugin" folder into the Trash.
8. Hold down the Option key while you empty the Trash. The software is now uninstalled.

Accessing the Roland CutChoice

Roland CutChoice may only be accessed via a software application. Complete the following steps to access Roland CutChoice after you have opened your software application:

Adobe Illustrator 8 and 9

- From the File menu select Cut/Plot.

CorelDraw 8 and 9

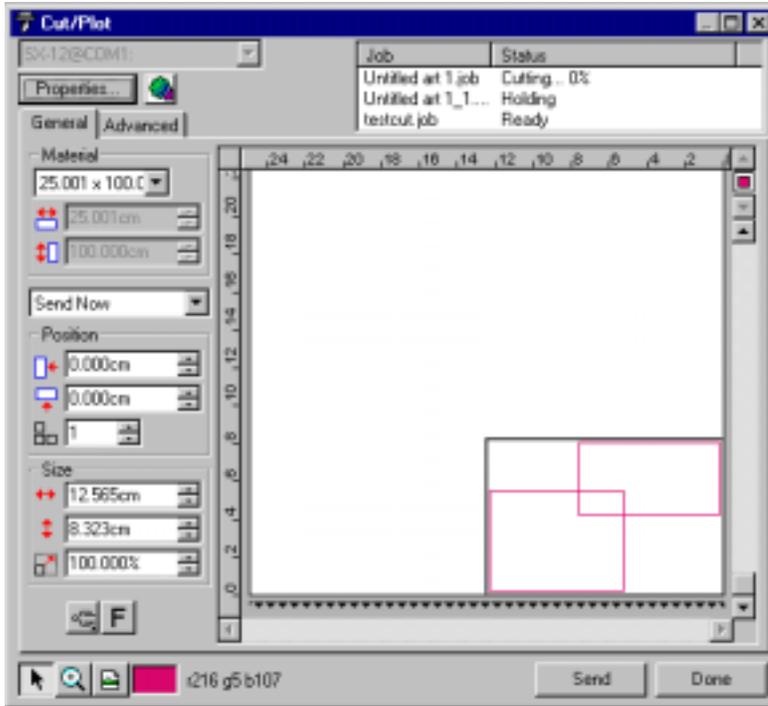
1. From the Tools menu select Scripts.
2. Select Run Script.
3. Double-click the scripts folder.
4. Select CutChoice.
5. Click Open.

CorelDraw 10

1. From the Tools menu select Run Script.
2. Double-click the Misc Folder.
3. Select CutChoice.
4. Click Open.

Cut/Plot Dialog Box

The Cut/Plot dialog box gives you complete control over how your job is produced. The Cut/Plot dialog box displays when you access the Cut/Plot from your application. The Cut/Plot dialog box contains two tabs: General and Advanced.



The General Tab

The General tab is where you specify the size and location of your design on the media.

Material

Use the Material group box to specify the size of the media. The sizes that display are appropriate for the selected output device. You can also specify User Defined sizes.

To Specify a Custom Size

1. Select User defined from the Material list.
2. Enter the size of the media in the boxes immediately below the list.

The Send List

The Send list is where you specify what to do with the design, which is referred to as a job at this point, once it arrives in the Production Manager.

Send Now

Jobs sent with a Send Now device status are immediately sent to the output device for cutting.

Hold in List

Jobs sent with a Hold in List device status are sent to Roland CutChoice, but the job will not be sent to the output device until the user manually sends it.

Position

The Position group box allows you to specify where on the media the job will cut. You also can specify the number of copies.

If you want to manually position the job on the media, simply drag it to a new location in the preview area.

Position Tools

The Positioning tools located at the bottom of the tab provide another way to position your job on the media.

Use this	To do this
	Move the job to a new location on the media. When moving multiple copies, they may be repositioned to fit on the media. The icon changes to a hand cursor when moving over the preview area.
	Flip the job so that a mirror image is created.
	Rotate the job in 90 degrees increments by selecting one of the four options.



Size

Use the Size group box to resize the job, if desired. Enter a new width or height. Whichever value you change, the other changes to prevent the job from becoming distorted. Alternatively, you can enter a new percentage to resize the job.

Note: The size specified here includes the panel margin described in the Advanced Tab section. If you want to specify the exact size of the object, you should either specify the size in your design application or set the panel margin to 0. Be sure to change the panel margin back to a value different from 0 before output.

View

You can easily zoom in on a particular part of the preview area or move around the view using the View tools located at the bottom of the dialog box.

Use this	To do this
----------	------------



Zoom in on a particular element in your design. With each click of the mouse, you zoom in closer. Holding down Ctrl while clicking zooms out. You also may click and drag to define the area that you want to preview.



Zoom to the width of the media. It returns the view to its default.

Send

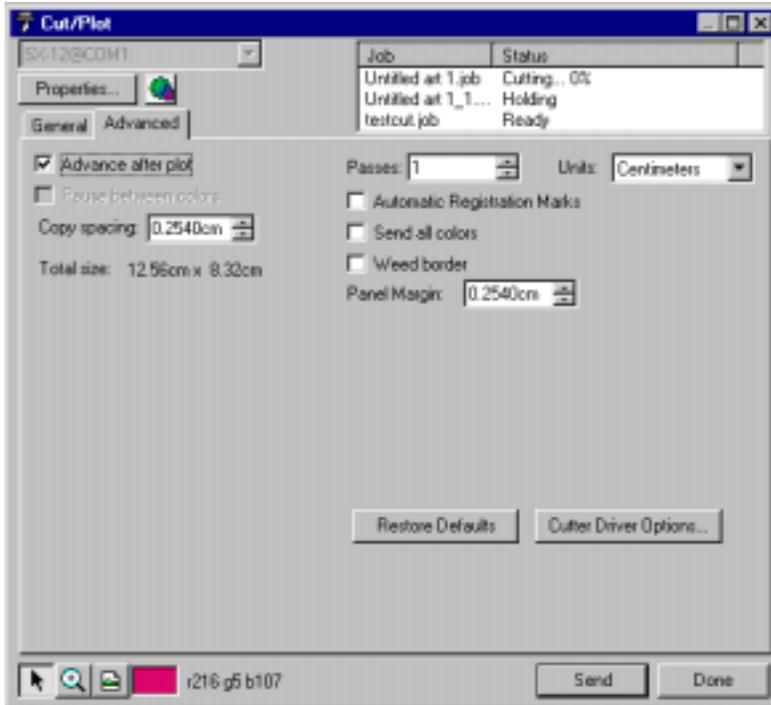
Send the job to Roland CutChoice for output. The name of the job and the processing status of the job are displayed in the upper right corner.

Done

Close the Cut/Plot window.

Advanced Tab

The Advanced tab contains more settings related to the processing of your file.



Advanced after plot

Moves the media forward and reset the origin after the output is completed.

Pause between colors

Tells the cutter or plotter to pause between colors (allowing you to change the pen or media) if the "Send all colors" option in the Advanced Tab is selected.

Copy Spacing

Specifies how much space is left on all four sides of each copy that is cut or plotted.

Total size

Displays the total size of the document.

Passes

Specifies the number of times the knife cuts each object in your design, including weeding borders. Most media can be cut in one pass, but you may need to increase this number if you're using thick media.

Units

This setting specifies the unit of measurement that is used in the General and Advanced Tab of Cut/Plot dialog.

Automatic Registration Marks

This setting automatically places registration marks on the media.

Send all colors

Sends all colors at the same time.

Weed border

Cuts a border around all objects in the selected color. The size of the weeding border is determined by the size of the design and the Margin entered in the Job Options dialog box.

Panel Margin

This setting allows the user to set the distance between the panel and the design.

Restore Defaults

Resets all settings to the system default settings.

Cutter Driver Options

Cutter Driver options allows the user to select a Custom Head setting, save a Custom setting and change the cutting speed. The predetermined cutting speeds are Cut Fast, Cut Medium and Cut Slow.

To save a Custom Head Setting:

1. Check the check box of items that you want to change.
2. Enter the new value.
3. Click on the Save button.
4. Type the name of your choice in the name field.
5. Click OK. The custom head setting is saved and added to the dropdown list.

Delete

Removes saved custom head settings.

Save

Allows the user to save a custom setting.

Reset

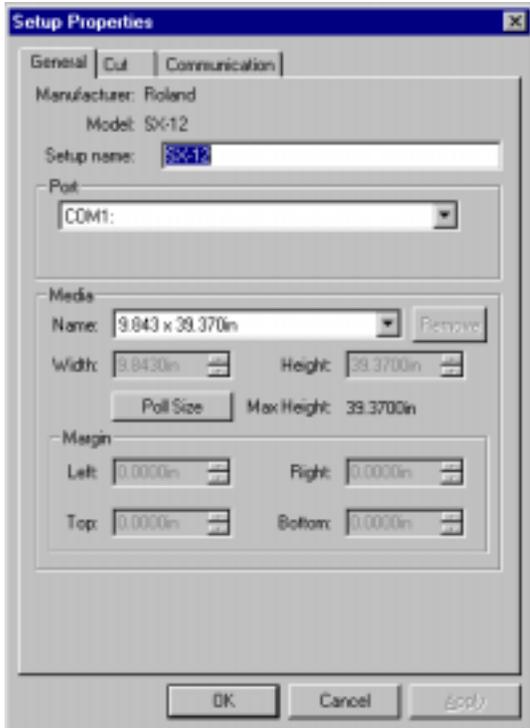
Restores systems default settings.

Note: Reset will delete all custom settings that were added.

Setup Properties

The Setup Properties dialog can be accessed from within the Cut/Plot dialog or from Roland CutChoice and defines the settings used to process jobs that do not have properties of their own associated with them. Setup Properties contain settings for a specific output device. The Setup Properties dialog contains following three tabs: General, Cut and Communication on Windows and General, Cut and Ports on Macintosh computers.

The General Tab



Manufacturer

Manufacturer displays the manufacturer of your output device.

Model

Model displays the name and model of your output device.

Setup Name

The setup name displays the name of your output device.

Ports (Windows only)

Selects the port to which the output device is connected. Only change the Port selection if you physically change the port to which your output device is connected.

Parallel Ports (LPT ports)

The output device should be connected directly to the computer with a Parallel cable.

Note: The USB Port for CX cutters appears as LPT port on Windows 98/ME.

USB

USB (Universal Serial Bus) ports will automatically appear in the list of ports (usually as USB00x) in the Roland CutChoice on Windows 2000.

Media

This setting allows the user to customize the media settings.

Margin

This setting allows the user to set the Left, Right, Top and Bottom margins of their media.

OK

Applies changes and closes the current window.

Cancel

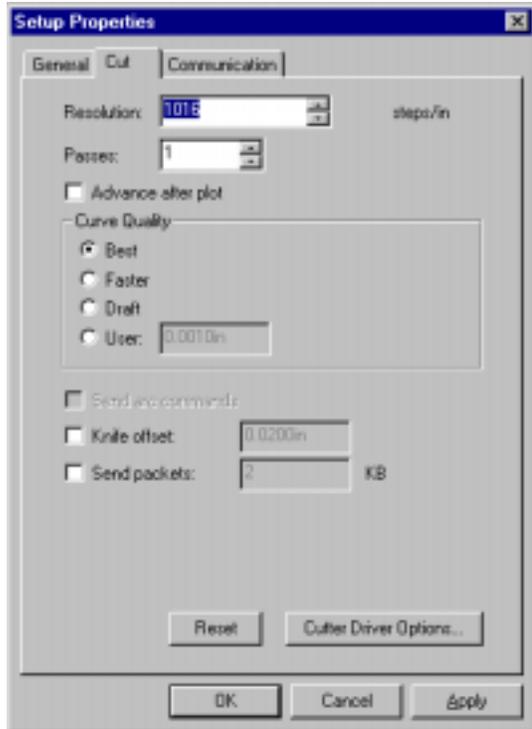
Closes the current window without applying the changes.

Apply

Applies changes without closing the current window.

The Cut Tab

Cut properties include all settings related to cutting and plotting.



Resolution

Specifies the resolution of the output device. Changing this value from the default is not recommended.

Passes

Specifies the number of times the knife cuts each object in the design. Most media will require one pass; however, additional passes may be required to cut through thicker media.

Advance after plot

Advances media when cutting is done.

Curve Quality

Select how smooth you would like the curves to be.

Send arc commands

Enables the arc processing capabilities of output device.

Knife offset

Checking this option, you can enter custom values for knife offset.

Send Packets

Specifies the packet size that is used to send the data to the output device.

Reset

Returns system to default settings.

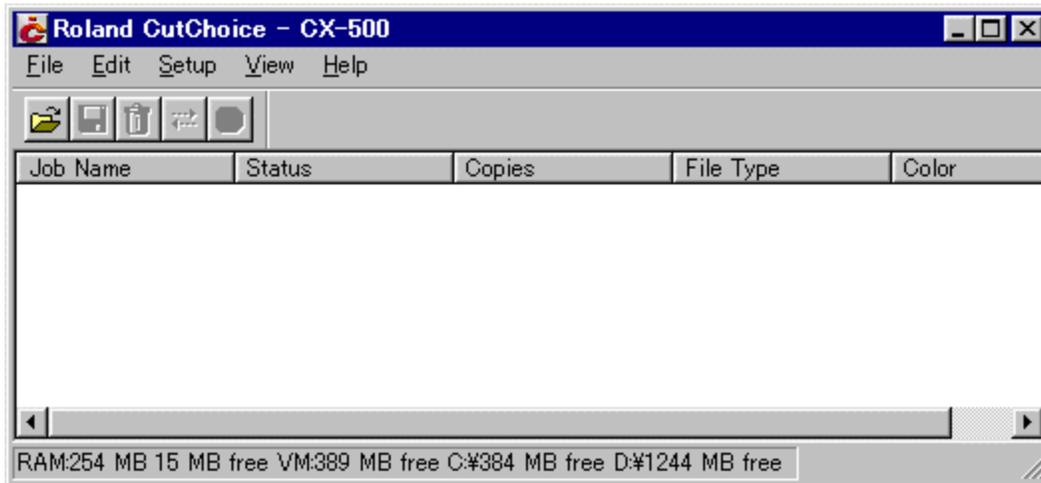
Cutter Driver Options

Launches the Cutter Driver Options dialog. The settings in this dialog differ, depending on the output device.

The Communication Tab (Windows only)

The Communication tab displays basic communication settings for the parallel port. Changing of these settings are not recommended.

Roland CutChoice



You can control every facet of job management from the Roland CutChoice. Roland CutChoice is essentially a queue, listing all the files waiting to be processed. Roland CutChoice is also used to configure output devices, and control the output of files.

Menus

You may access a number of the Roland CutChoice's functions using the menus at the top of the main window.

File Menu

The File menu allows the user to add a job, view job properties, save a job as a different format, send, abort, or stop the process by exiting.

Add Job

The Add a Job command allows you to add a job directly to the queue.

To Add a Job

1. From the File menu select **Add Job**. The Add Job dialog box displays.
2. From the Add Job dialog select the path of the job you would like to add.
3. Click **Open**. The job is added to the queue.

Job Properties

Job Properties can be accessed from within your application and are settings associated with a particular job. To change the Job Properties, select Job Properties from the File menu. Within Job Properties you may preview the job.

Send

Once jobs are in Roland CutChoice, you can select individual jobs or groups of jobs for output. When selecting a group of jobs, they are processed in the order that they appear in the queue.

To Send a Job to the output device

-
1. Click on the job or jobs you would like to output.
 2. From the File Menu select Send.

Abort

A job can be aborted during processing.

To Abort a Print Job

1. Click on the job you would like to abort.
2. From the File Menu select Abort.

Exit

The Exit command ends the program and closes Roland CutChoice window.

To Exit Program

- From the File menu select **Exit**.

Edit Menu

The Edit menu allows the user to select all files, delete a file, and change preferences.

Select All

The Select All command selects all files in the queue.

Delete

The Delete command allows deletion of specifically selected files.

Preferences

Preferences allow access to default settings, including what to do with files after output and to specify the units of measurement. These preferences, in conjunction with Setup Properties, form the default settings. Default settings are applied to any job(s) that is added using the Add Job command. Settings in Preferences are overridden when the job is generated from a design application (ex. Adobe Illustrator).

After Output

Tells the Print Monitor what to do with the job after it has finished printing, either Hold or Delete.

Units

Select the desired unit of measurement.

Setup Menu

A setup consists of a device and its associated properties. The items in the Setup menu apply to the device currently selected.

Change Setup

The Change Setup command allows you to change the output device. Switch back to the original setup using the Change Setup command again.

Setup Properties

Setup Properties displays the default print settings for your printer.

To View Setup Properties

- From the Setup menu select **Setup Properties**. The Setup Properties dialog opens with the General tab selected (See Setup Properties section).

Test Cut

The Test Cut command allows you to ensure that your software is properly installed and that the connection to the output device is established.

To Test Cut

- From the Setup Menu select **Test Cut**. A small test file is sent to the output device.

View Menu

The View Menu allows the user to show or hide the Toolbar.

To Show or Hide the Toolbar (only Windows)

- From the View menu Select **Toolbar** to show the Toolbar select **Toolbar** again to hide the Toolbar.

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