

Getting Started with Paragon Recovery CD™

Quick Guide

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1 Introduction

Paragon Recovery CD™ is a multi-platform bootable media that gives you an opportunity to boot into Linux or PTS DOS, and that way to get access to the hard disk for maintenance or recovery purposes. It is not a stand-alone solution but comes as an add-on with the company's Windows based programs, thus its functionality differs according to a particular product.

In most cases the Recovery CD is used as a last resort tool to get the system back on track when it fails to boot. Depending on the purchased product it contains a certain set of utilities configured to work in Linux or PTS-DOS. Both platforms have their strong sides, for instance Linux can boast support of FireWire (i.e. IEEE1394) or USB devices. It enables to burn CD/DVD disks. However you may face some difficulties with detecting new hardware. DOS in its turn has no problems of that kind but is limited in the provided functionality.

Actually Paragon Recovery CD is not just a useful bonus to the Windows version of the program, but a powerful multifunctional tool that can certainly be used independently. With the Recovery CD you can easily backup/restore the system, retrieve the required data from the failed hard disk, fix boot problems caused by invalid partitions numeration, recover accidentally deleted partitions, carry out all the necessary partitioning operations to install the system from scratch, clone hard disks/partitions of any file system, update MBR (Master Boot Record), change partition ID and Primary Slot, view/edit sectors, mount/unmount partitions, irreversibly destroy the on-disk data, whatever. Besides it offers a Windows XP like environment.

This guide will help you successfully boot from the Recovery CD and tackle many of the technical issues that might arise while using it.



The Recovery CD functionality depends on the purchased product thus some features may be unavailable in the version you have.

2 Distribution

As we have already mentioned Paragon Recovery CD is not a stand-alone solution but comes as an add-on with the company's Windows based programs that are distributed in two ways:

- ❑ [Boxed package](#) from Paragon Technology GmbH and resellers
- ❑ [Downloadable package over the Internet](#) at the company's web-site

2.1 Distributive CD

The boxed package includes a distributive CD that is in fact a bootable Recovery CD with auto-run of the Windows installation, thus it can be used as a ready-made solution.

If you want to download an update/upgrade for the program you have, it will be in form of the downloadable installation package as described in [Online Distribution](#)).

2.2 Online Distribution

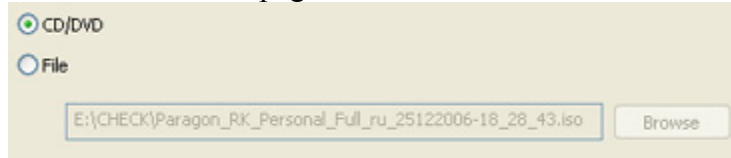
Any Paragon product purchased over the Internet contains two downloadable files:

- ❑ Self-extracting file for Windows components installation

- ❑ Recovery CD ISO image-file with a built-in tool for CD/DVD burning
- These files can be downloaded individually as found necessary.

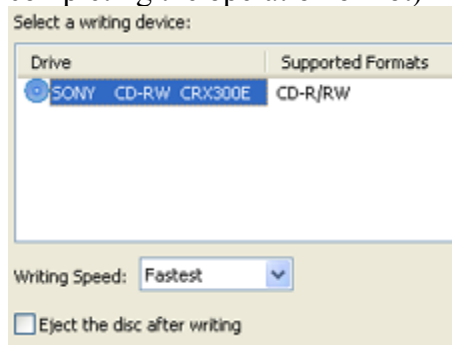
To burn an ISO image of the Recovery CD, simply do the following:

1. Launch the *Unpack & Burn Wizard* by clicking on the downloaded executable file;
2. On the *Destination* page of the wizard select the **CD/DVD** option to write directly to a CD/DVD disk



The *File* option enables just to save the image as an ISO file in the required location.

3. On the *CD/DVD Writing Parameters* page choose the required recording device from the list of all available devices, then define the writing options (speed and whether to eject the recorded disc after completing the operation or not)



4. Insert a blank disk into the recording CD/DVD drive and click the *Next* button to start the operation.

3 Booting from the Recovery CD

The Recovery CD can be used to boot your computer into PTS DOS or Linux to get access to the hard disk without use of the failed operating system.

You also have an option to boot in the PTS DOS safe mode. The reboot of the computer from the Recovery CD in the safe mode may be of great use in a number of non-standard situations such as interfering hardware settings or serious problems on the hardware level. In this case, only basic files and drivers (such as hard disk drivers, a monitor driver, and a keyboard driver) will be loaded.

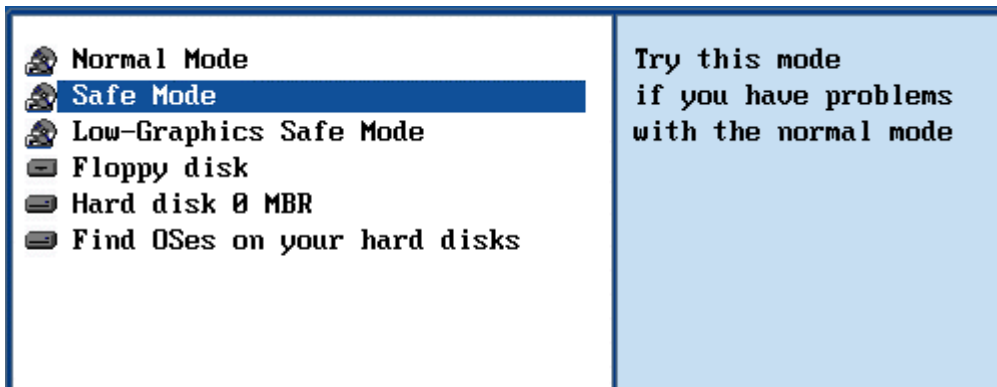
3.1 System Requirements

To use the Paragon Recovery CD on your computer (it does not matter what operating system is installed at the moment, if any), make sure that your computer meets the following minimum system requirements:

- ❑ IBM AT compatible computer with i486 or higher CPU
- ❑ 256 MB of RAM
- ❑ SVGA-compatible adapter and monitor
- ❑ Mouse (recommended)
- ❑ On-board BIOS supports *booting from CD first*

3.2 Boot Menu


After you have inserted the Recovery CD into CD/DVD drive and restarted the computer, the Boot menu appears.



The Boot menu contains the following commands:

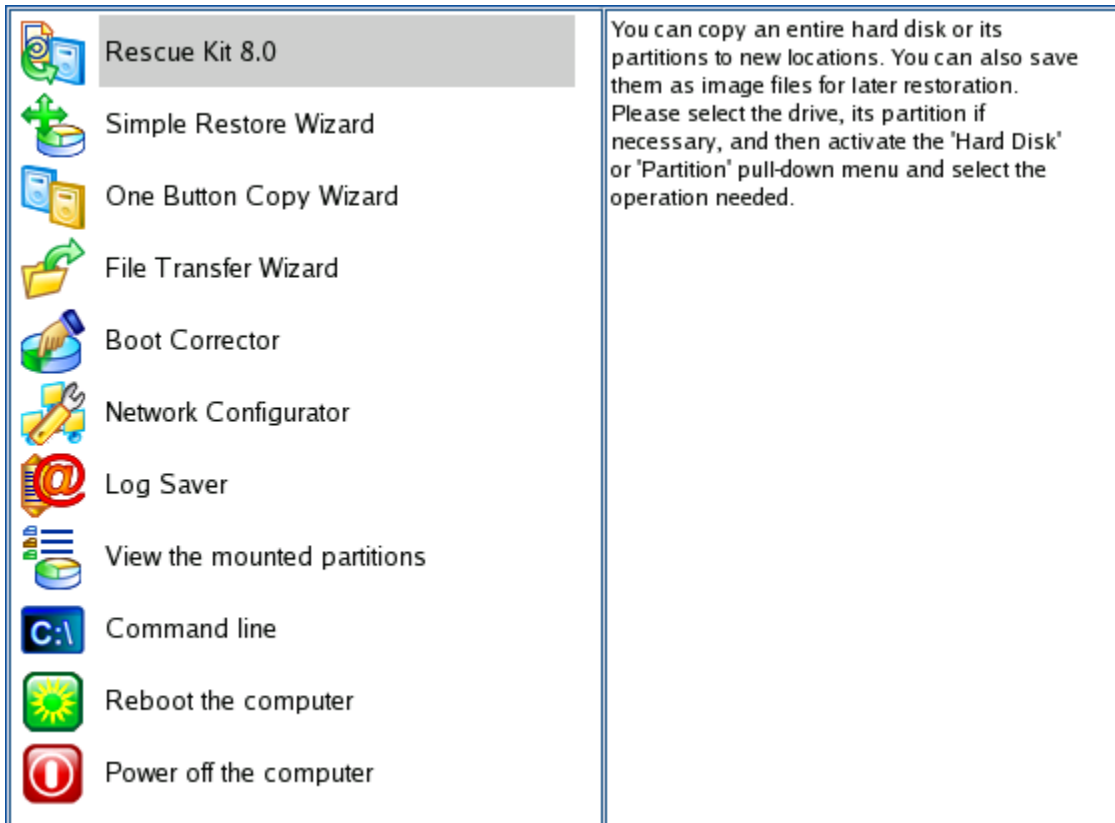
- ❑ **Normal Mode.** Boot into the Linux normal mode. This mode uses the full set of drivers (recommended).
- ❑ **Safe Mode.** Boot into the PTS DOS mode. This mode can be used as an alternative of the Linux normal mode if it fails to work properly.
- ❑ **Low Graphics Safe mode.** Boot into the PTS DOS safe mode. In this case, only the minimal set of drivers will be included, like hard disk, monitor, and keyboard drivers. This mode has simple graphics and a simple menu. No partitions mounted.
- ❑ **Floppy Disk.** Reboot the computer from a system floppy disk.
- ❑ **Hard Disk 0.** Boot from the primary hard disk.
- ❑ **Find OS(es) on your hard disks.** The program will scan hard disks of your computer to find any bootable operating system.

To move within the menu, please use the arrow keys of the computer keyboard.

	<p>To automatically boot from the Recovery CD make sure the on-board BIOS is set up to <i>boot from CD first</i>.</p> <p>While working with the Recovery CD you might experience some inconvenience caused by possible video artifacts. It is just a result of changing video modes and in no way will affect the program functionality. If this is the case, please wait a bit and everything will be OK.</p>
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3.2.1 Normal Mode

When the Normal mode is selected, the Linux launch menu appears:



- ❑ **Rescue Kit 8.0** (enables to copy, back up and restore separate partitions or entire hard disks then save backups onto local, network and USB disks or record them to CD and DVD);
- ❑ **Simple Restore Wizard** (allows restoring hard disks and partitions);
- ❑ **One Button Copy Wizard** (helps to copy the first found hard disk including all of its partitions to the first empty hard disk);
- ❑ **File Transfer Wizard** (allows coping files/folders to another disk or a partition as well as recording them to CD/DVD);
- ❑ **View the mounted partitions** (the list of all mounted partitions will be displayed);



Paragon Recovery CD assigns drive letters to partitions the way it is done in DOS, i.e. one after another, primary partitions at first. Thus mounted partitions may have different drive letters from Windows.

- ❑ **Boot Corrector** (helps to correct the Windows System Registry without Windows being loaded);
- ❑ **Network Configuration** (starts the Network Configuration Wizard);



If you are going to use network resources, first launch the Network Configuration Wizard to establish a network connection.

- ❑ **Send Log Files** (helps to send the necessary log files to the Technical Support);
- ❑ **Start the command line** (The command line allows experienced users to execute any program);
- ❑ **Reboot the computer;**
- ❑ **Power off the computer.**

To move within the menu, please use the arrow keys of the computer keyboard.



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3.2.2 Safe Mode

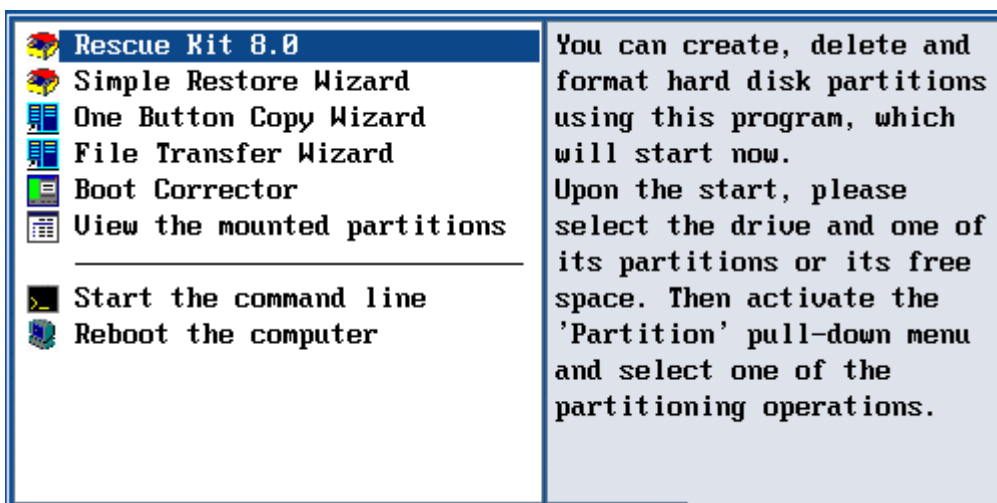
When the Safe mode is selected, the PTS DOS launch menu appears. It has nearly the same functionality as for the Normal mode except the *Network Configuration* and *Send Log Files* commands. Besides due to certain limitations of the PTS DOS environment, there is no possibility to burn CD/DVD disks.



The Recovery CD functionality depends on the purchased product thus some features may be unavailable in the version you have.

3.2.3 Low Graphics Safe Mode

When the Low Graphics mode is selected, the PTS DOS launch menu appears. It has the same functionality and looks similar to the Safe mode but graphically simpler.



The Recovery CD functionality depends on the purchased product thus some features may be unavailable in the version you have.

3.3 Running Commands

To launch the required command you should take the following steps:

1. Insert the Paragon Recovery CD into your CD/DVD drive;
2. Reboot the computer;
3. Select one of the boot modes (**Normal, Safe, Low Graphics**) in the [Boot menu](#);



By default the *Normal mode* will be automatically initiated after a 10 second idle period.

4. Choose a command by using the arrow keys of the computer keyboard to move within the menu;
5. Launch the command by pressing the *Enter* button.
6. After it has been launched consult the help system by pressing **ALT+F1** to know more on the subject.



To automatically boot from the Recovery CD make sure the on-board BIOS is set up to *boot from CD first*.

4 Contacting Paragon Technology GmbH

If you have any questions about the company products, please do not hesitate to contact Paragon Technology GmbH.

Service	Contact
Visit Paragon GmbH web site	www.paragon-software.com
Registration & updates web-service	kb.paragon-software.com
Knowledge Base & Technical Support	kb.paragon-software.com
Pre-sale information	sales@paragon-software.com