

# eJournal of the **TuCSon** COMPUTER SOCIETY

Our General Meeting  
site has changed  
for the summer.  
See Page 3

August 2011 — Volume 29 – Number 8

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[About TCS](#)

[SIG Directory](#)

[TCS Calendar](#)

Cover image: Liz Orban's shot of the  
*Rattlesnake Bridge at Broadway*

# Tucson Computer Society



## Congratulations Paul Scott, TCS Webmaster

Our TCS Website [www.aztcs.org](http://www.aztcs.org) was awarded  
**Second Place** by APCUG in their annual **Website Contest**.

APCUG will send a \$25 gift certificate to our Webmaster, **Paul Scott**.  
 See <http://aztcs.org/about/awards.shtml> for complete information.

## August's Raffle Prizes

**TWO 5.1 Surround Sound Systems w/  
 integrated DVD player**

**Computer-related books**  
 (various titles)

**MP3 Players**

## July's Raffle Winners

- USB Speakers . . . . . Dean Taylor
- Google Hacks . . . . . Bob Eldred
- MP3 Player. . . . . John Day
- Microsoft Office 2003 Killer Tips . . . . . David Redmond

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# President's Message

Dear TCS Members,

On August 1st the new Board of Directors and I had our first meeting. I feel it went excitingly well. We exchanged lots of ideas and made great progress.

I want to personally thank the volunteers currently serving on the board and all active participants in the Tucson Computer Society.

Prior to the upcoming General Meeting, the Pre-Session will be a presentation by Rick Rolland and myself on "**Gadgets**" (iPADs, the Android OS, iPhones, etc.). I personally have an iPad, Android Phone, Zune, iPod Touch and a few other gadgets. Not only are these devices fun for personal use, you'd be amazed at how practical they are for business.

Part of the pre-session presentation will be a **Question and Answer** session. Please bring *your* "gadget" and any questions you may have. We will also be helping people configure their devices to their liking, so join us. It should be a fun and productive session. If you're one of those with lots of gadgets who loves to tinker, this will be the meeting for you.

As the prices fall, these gadgets are becoming ever more affordable to the general consumer. This enables us to be even more connected to the "cloud" and our friends.

In turn, this closeness brings up a few concerns about new vulnerabilities regarding security, viruses and other malicious actions. During this session we will touch base on these issues to ensure that we all embrace proper security measures and keep our data safe.

Looking forward to seeing you there. Remember our new summer meeting place. Guests are always welcome, so bring your friends and family. Introduce **them** to TCS and the new "gadgets."

Adam Dellos  
TCS President



## August General Meeting

**NOTE: Our General Meeting site has changed.**

During the summer (July, August and September 2011) we are meeting in the **Activity Building** at

**Our Saviour's Lutheran Church (OSLC)**  
**1200 N. Campbell Avenue**  
**Tucson AZ 85719**

Please enter at the Mabel Street parking lot at the North side of this facility. The **Activity Building** is located at the Southeast corner ([map](#)).

### Pre-Session 6:00PM

**"Gadgets"** (iPADs, the Android OS, iPhones, etc.)

Rick Rolland and Adam Dellos will present "**Gadgets**," including iPADS, the Android OS, and iPhones among others.

Following this presentation there will be a **Question and Answer** session. Gadget configuration assistance is also being offered *during pre-session only*. So bring your "gadget," your questions and/or issues for discussion and (we hope) answers.

### General Meeting 7:00PM

We continue on the subject of "Gadgets." Subjects will include new security concerns and answering questions from attendees.



# Tucson Computer Society

**Purpose:** The **Tucson Computer Society**, a Tax-exempt Nonprofit 501 (C) (3) Arizona Corporation, provides a forum for members and the general public to improve their knowledge about computer-related subjects applicable to PCs.

**Membership:** Membership is open to all. Membership applications are available on the TCS web site [www.aztcs.org](http://www.aztcs.org). Annual dues, payable in advance, are:

Individual	\$24	Family/Household	\$36
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**Member Updates:** Report your change of address and/or e-mail address to TCS, Membership Records, and the *eJournal* by e-mailing [tcscoa@aztcs.org](mailto:tcscoa@aztcs.org).

**Meetings:** General meetings are held on the third Monday of each month at the Pima County Medical Society – 5199 East Farness Drive. Pre-sessions begin at 6:00PM. The main program begins at 7:00PM.

**Events & Activities:** A wide range of Special Interest Groups (SIGs), regularly scheduled Classes and Workshops and Special Activities are listed in the *eJournal* and posted at [www.aztcs.org](http://www.aztcs.org).

**Management:** The Board of Directors has general supervision and administrative authority over the affairs of TCS. The entire Board may be reached via [TCSboard@aztcs.org](mailto:TCSboard@aztcs.org). TCS Members are invited to attend the monthly Board of Directors meetings. Meeting dates, times and location are posted on the TCS Calendar of Events.

**eJournal:** The *eJournal* is an electronically produced and distributed publication. The *eJournal* provides information about Tucson Computer Society meetings and activities, and reports the latest trends and products for personal computer (PC) users. It is published one week prior to the General Meeting.

**Copyright:** The *eJournal* is protected under copyrights held by the **Tucson Computer Society**. Copyrights to individual articles are held by the respective author(s).

Reprint permission is given to nonprofit organizations, provided credit is given to TCS and the author, and a reprint of the article is sent to TCS.

All product names or services identified throughout the *eJournal* are trademarks of their respective companies.

**Articles:** Members are encouraged to submit articles and photographs. Deadline is the day of the previous general meeting. Submit by e-mail to [journal@aztcs.org](mailto:journal@aztcs.org). Acknowledgment is by e-mail reply.

All submissions are subject to editing, both for clarity and to fit available space. All articles, reviews, reports, etc., are limited to 1,000 words, unless prior arrangements are made with the editor. For specifics on formats, layout and other requirements contact the Editor at [journal@aztcs.org](mailto:journal@aztcs.org).

<b>eJournal Advertising:</b>	<b>1 Month</b>	<b>3 Months</b>	<b>6 Months</b>
Half Screen 5" x 8"	\$ 35 \$25	\$95 \$70	\$170 \$128
Quarter Screen 5" x 4"	\$ 20 \$15	\$55 \$40	\$100 \$75
Eighth screen 2.5" x 2"	\$ 10 \$8	\$ 28 \$20	\$50 \$38

Discounted rates for members are shown in red.

Payment must be received at TCS no later than the 15<sup>th</sup> of the month prior to the month of insertion. The *eJournal* is published monthly prior to the General Meeting. Content and style are subject to approval.

Submit advertisements in digital format (PDF, TIFF, PSD, AI, JPG) to [journal@aztcs.org](mailto:journal@aztcs.org). Send payment to:

TCS Advertising Staff  
4951 East Grant Road  
Suite 105, PMB 322  
Tucson AZ 85712

**Disclaimer:** Views and advertisements expressed in the *eJournal* are those of the individual authors/vendors and do not necessarily reflect those of TCS.

**TCS Listserv:** The TCS Listserv is one of TCS members' greatest benefits. It is a forum for members to seek advice and discuss issues 24/7. Acceptable topics include anything related to technology. Members engaging in off-topic or unwelcome behavior may be subject to removal from the TCS Listserv. Instructions on subscribing, tips and Listserv etiquette are at <http://www.aztcs.org/activities/listserv.shtml>.



# TCS Members Helping Members

## ACCOUNTING SOFTWARE

QuickBooks, TurboTax John Blumberg 290-0000 John@JohnBcpa.com

## DATABASE SOFTWARE

dBase Paul Scott 881-8283 waterhorse@ultrasw.com

## DESKTOP PUBLISHING

InDesign Donna Kamper 751-0061 donna@kamper.com

## DIGITAL IMAGING

Photoshop, Elements Donna Kamper 751-0061 donna@kamper.com

## GENEALOGY

Master Genealogist Carol Andrews 795-1479 carollea@dakotacom.net

## LANGUAGES

Assembly Paul Scott 881-8283 waterhorse@ultrasw.com

BASIC Jon Griebel 749-5395 jdgriebel@aol.com

C Jon Griebel 749-5395 jdgriebel@aol.com

C++/C++ Builder,  
COBOL, Delphi, Pascal Paul Scott 881-8283 waterhorse@ultrasw.com

C++, C, Python,  
SQL Ruby Chris Niswander 623-6326

## LOCAL AREA NETWORK

Networks Peter Ireland 907-2757 pireland@pireland.com

Networks Daniel M. Vance 797-2225 daniel@vancesystems.com

Novell Networks Daniel M. Vance 797-2225 daniel@vancesystems.com

## OPERATING SYSTEMS

DOS Jon Griebel 749-5395 jdgriebel@aol.com

Linux Paul Scott 881-8283 waterhorse@ultrasw.com

Windows XP, Vista, 7 Peter Ireland 907-2757 pireland@pireland.com

Windows XP, Vista, 7 Daniel M. Vance 797-2225 daniel@vancesystems.com

## SPREADSHEET SOFTWARE

Excel John Kamper 751-0061 john@kamper.com

## WORD PROCESSING

Word John Kamper 751-0061 john@kamper.com

## TCS Directors, Managers and Coordinators

### Executive Directors

President Adam Dellos 762-7614  
adam@tucsontechsupport.com

Vice-President Les Stein 790-7746 Stein.Les@gmail.com

Secretary Ken Sandock 298-4677 ksandock@comcast.net

Treasurer George Harding 298-6861  
georgehardingsbd@earthlink.net

Member at Large Paul Scott 881-8283 waterhorse@ultrasw.com

Member at Large William Brownlee 869-7320 wabjr@longrealty.com

Member at Large *presently vacant*

### Managing Directors

Membership  
Coordinator Rick Rolland 405-2123  
rickrolland@websbest.com

Membership  
Records Bernard Bell 393-3415  
bbell13@cox.net

Program Director Les Stein 790-7746 lesstein@aol.com

SIG Coordinator Myron Dungey 319-0946 mdungey@ultrasw.com

Webmaster Paul Scott 881-8283 waterhorse@ultrasw.com

### Tucson Computer Society mailing address:

4951 E. Grant Road  
Suite 105, PMB 322  
Tucson AZ 85712

# SIGs (Special Interest Groups)

Myron Dungey, Interim SIG Coordinator, [mdungey@ultrasw.com](mailto:mdungey@ultrasw.com)

## Find a Special Interest Group for YOU!

The Tucson Computer Society offers you much more than just General Meetings on the third Monday. Special Interest Groups give our members multiple opportunities to develop their computer skills throughout the month.

There have been multiple changes to both SIGs and their meeting dates/times. **Double-check** the [website calendar](#) to be sure. For more information about a particular SIG, including location details, click its name below to open that SIG's page on the TCS website.

### Tucson Computer Society meeting place:

Pima County Medical Society

5199 East Farness Drive, Tucson AZ

All TCS SIGs meet at the **PCMS** site except:

**Genealogy SIG** – University Medical Center, Room 2117  
1501 North Campbell Avenue

**Computer Pros SIG** – El Parador Restaurant  
2744 E. Broadway Blvd

**Developers Co-op** – Various Pima County Branch Libraries  
Contact leader for specifics

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
First				Windows 7/ Hardware 6:30PM			
Second							
Third						Computer Pros 7:00AM	
Fourth	Linux 3:00PM	Digital Imaging 7:00PM	Developers 6:00PM				Genealogy 10:00AM

Don't forget to download your printable copy of the current [Calendar of Events](#)

# SIG Activities

## Computer Pros SIG

07-15-2011



Peter Ireland (standing) presented on various technical topics, including computer security. Read a synopsis of his June 24th **KOLD TV** interview about computer security [here](#).



This is the Motorola cable modem that was damaged by lightning. His client phoned customer support at Cox Cable to complain that his/her Internet access was inoperative. However, Cox Cable technicians ran a remote check and they told the client that the modem was communicating correctly with the "node." Our detailed notes about this meeting are [here](#).



Note the dark char marks at the edge of the RJ45 jack. This discoloration is indicative of a high voltage surge like ones caused by a lightning strike.



07-24-2011

## Linux SIG



SIG co-leader Dennis McCormick brought in a vintage "white box" tower running Vinux Linux. Vinux is a distro that was optimized for the needs of visually-impaired geeks. You can download it from <http://vinuxproject.org>.



Dennis also worked on various issues in Laura's netbook. Our detailed notes and photos for this meeting are [here](#).

SIG co-leader Paul Scott (right) and Gerard of TFUG (center) helped Mark Lee use a LiveCD to perform a data file recovery on a simulated EXT3 partition inside an inaccessible Wubi installation of Ubuntu.



# SIG Activities *(continued)*

Windows 7/Hardware SIG 07 06 2011

SIG leader George Harding (at right) showed various power-related gadgets that are in the product line of [igo.com](http://igo.com) company. Detailed information on these items can be found in our meeting notes [here](#).



George also showed a PMM-2PX PowerMat device (shown below). Its built-in PowerCube battery can be used to charge your battery-powered devices while you are out and about. See [here](#) for more information.



Francis Chao.



The audience at the SIG meeting.

## TIPS

### Microsoft WORD

#### Understanding Hyphens and Dashes

*Word* supports three types of hyphens and two types of dashes. Learn how *Word* handles them, as they affect the appearance of your document.

**Regular hyphens**, created by simply typing the hyphen key (sometimes mistakenly called a dash key). Regular hyphens are used to create compound words, such as “mix-up,” or to indicate a minus sign in an equation.

**Optional hyphens**, created by pressing Ctrl+- (Ctrl and the hyphen key). Optional hyphens are typically used in the middle of a word, between syllables, to indicate where a word should be broken between lines, inserted automatically when you use Hyphenation. This does not print unless it is actually used at the end of a line.

**Non-breaking hyphens**, created by pressing Ctrl+Shift+- (Ctrl+Shift and the hyphen key). Non-breaking hyphens are used in compound words to indicate that both words and the hyphen should be treated as a single word when *Word* is forming lines. In this case, the compound word will never be broken over two lines. It is also helpful to use non-breaking hyphens in phone numbers.

**En dash**, a dash as wide as a lowercase “n” character, typically used to denote ranges of numbers, as in 3–7. Create an en dash by pressing Ctrl and the minus sign on the numeric keypad. An en dash stays with the characters immediately preceding it. If necessary, *Word* breaks the line after the en dash, not before it.

**Em dash**, a dash that’s supposed to be as wide as a lowercase “m.” But in *Word* the em dash is *twice* as wide as the en dash (and can also vary from font to font.) Use em dashes to break a sentence between two separate thoughts. *Word* automatically substitutes an em dash if you type a word, two hyphens and another word, or press Ctrl+Alt and the minus sign on the numeric keypad. An em dash always stays with the word immediately before it. If necessary, *Word* breaks the line after the em dash, not before it.

If you use a dash or hyphen and it doesn’t behave as described, you may be using the wrong kind. For instance, if a word won’t break between two lines, you may be using a non-breaking hyphen instead of one of the other types.

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# @ July's TCS General Meeting



TCS President Adam Dellos was interviewed about our organization. His interview was aired on various Citadel Broadcasting radio stations on July 17, 2011 at about 6:30AM.

Here in Tucson, Arizona, Adam's interview was aired on KIIM (99.5 FM) and KCUB (1290 AM). Our recording of this informative interview is available in WMA format [here](#) or as an MP3 [here](#).



New TCS President Adam Dellos (left), Bill Brownlee (center) and Rick Rolland provided a warm welcome during the meeting's Pre-Session.

Board member Bill Brownlee procured the gourmet pies and ice cream for the Pre-Session. Our attendees made them disappear fast!



Board member Les Stein (left) transported the A-frame sign, the projection screen, the party supplies, and our VGA projector to our temporary summer General Meetings' venue.

Linux SIG co-leader Dennis McCormick (right) demonstrated a "super lean" distribution of Linux called "lubuntu" running on a five-year-old laptop. To learn more lubuntu, please go to <http://lubuntu.net/>.

Linux SIG co-leader Dennis McCormick (right) demonstrated a "super lean" distribution of Linux called "lubuntu" running on a five-year-old laptop. To learn more lubuntu, please go to <http://lubuntu.net/>.



Our two presenters told this lively crowd about what they learned at the Southwest Computer Conference in June. Our detailed meeting notes are available at [http://aztcs.org/meeting\\_notes/2011-07-18/2011-07-18.pdf](http://aztcs.org/meeting_notes/2011-07-18/2011-07-18.pdf).

**Eligibility:** Limited to TCS members only.

**Format:** TIFF (preferred) or JPG/JPEG.

**Size:** Minimum 2040 x 1440 (pixels) or larger.

**Note:** This is an 8½ : 6 ratio. If your photo is wider or longer proportionally, it will be cropped at the editor's discretion.

**Caption:** Identify the shot, or provide any other details you think our readers would find interesting.

**Color or B/W:** Photographer's choice.

**Subject:** Tucson – landscapes, weather, local flora and fauna, local computing...look at past issue covers for ideas.

**Deadline:** Midnight of the previous month's General Meeting. Photographs submitted on or before midnight of a General Meeting are entered in the contest for the cover of the following month's issue.

**Submit to:** [journal@aztcs.org](mailto:journal@aztcs.org)

**Quantity:** One photograph per submitter per issue.

**Judges:** Your editor and an anonymous group of volunteers, mostly comprised of TCS members.

**Winners:** The best *three* photos submitted will be printed in the *eJournal*. If fewer than three are received, there is no contest and photos will be printed as space permits.

The winning photograph will be featured as that month's cover. First and second runners-up will be featured on an interior page.

Other submissions may be used in interior pages of that or future issues, as space allows. All photographers will be credited whenever their photo is published.

## TCS Participation in the APCUG Speakers Bureau



As an active participant in the **APCUG Speakers Bureau**, the Tucson Computer Society will now start making online presentations to other users groups throughout North America, and possibly to the rest of the English-speaking world.

This innovative program takes advantage of Skype's desktop-sharing and video-conferencing capabilities. In past years, this method of presentation delivery was only used by vendors in presenting to various user groups. Towards the end of 2010, APCUG's directors decided Skype would be a great way for communications between user groups.

Tucson Computer Society's first participant in this pioneering effort will be Francis Chao. He will provide APCUG member groups with presentations about various topics related to end-user computer issue on Windows, Linux, and Apple computers.

Francis' list of topics with links to some of his presentation slides can be viewed at <http://www.apcug.net/speakers/fc.htm>.

A complete description of the entire **APCUG Speakers Bureau** program is available at <http://www.apcug.net/speakers/index.htm>.

Please note that a significant number of topics on this page are from presentations that have been presented by TCS members at our Windows and Linux SIG meetings.

TCS intends to participate significantly in this innovative program. Anyone interested in volunteering to be a cyberspace-based presenter is asked to contact Francis Chao ([fchao2@yahoo.com](mailto:fchao2@yahoo.com)) or any member of the TCS Board of Directors.

# Sights & Sounds of Multimedia

George Harding, [georgehardingsbd@earthlink.net](mailto:georgehardingsbd@earthlink.net)

## Dry Case

Do you like to scuba dive with your iPhone? Do you swim with your iPad? Probably not, but you could with Dry Case.

This is a product engineered to keep any mobile device dry when underwater or when it needs protection from your surrounding environment. It can protect your iPhone, iPad, Blackberry, MP3 player and more.

It has a water-tight seal that keeps water out. You slide your device into the bag, then seal it with the fixture. There is a connection so that you can listen to your radio or music, even with the device inside the bag.

When ready, you exhaust the bag of air with a small bulb, or you can simply suck the air out with your mouth. Now, you're ready to take a swim or whatever you do underwater. The company says it has tested the enclosure to as much as 100 feet underwater without leakage. So you can scuba dive without worry that your mobile unit will be damaged by the water.

The case comes with the evacuation bulb, a wrist strap you can use to keep your iPhone from wandering off (and it's buoyant, too!), and a lanyard to attach the Dry Case to your belt.

The company offers a money back guarantee if there is any water leakage at all. They point out that the key to having a water-tight seal is to be sure to fully exhaust the air from the inside of the enclosure.

**About:** Dry Case

**Vendor:** Dry Case  
[www.drycase.com](http://www.drycase.com)

**Price:** About \$40 for smaller devices, \$60 for iPad or similar larger devices



## Optoma Projector

When you need to see your picture or presentation on a big screen, hook your computer into a projection system or furnish your home theater with a world-class projector, you need only turn to Optoma.

Many business people need to give a presentation to small and large groups. The Optoma line of projectors gives you just what you need to satisfy your audience with a bright, clear and brilliant picture.

I was sent an Optoma Model TX610ST projector for review. The unit is very compact. It has a small menu system on the top, a large lens on the front and an extensive array of inputs on the back. The base has four rubber feet that can be adjusted for centering the picture where you need it.

The menu system on top needs little explanation. Called Control Panel by the company, it allows you to turn the unit on and off, select the source input, adjust the projected image for non-parallel sides (keystoning) and to bring up a menu. There are two LEDs to show when the lamp is operating and at what temperature.

The menu button brings up a list of controls for all the features of the projector. The menu is displayed on-screen, eliminating the need to carry a manual with you. The on-screen menu has four sections: Image, Display, Setup and Options.

The image settings include brightness, contrast, sharpness, saturation and tint. Each of these may be adjusted to fit the type of image being presented. Display mode is the major control in this section. Settings for the various controls have been preset for the type of presentation, such as movie, blackboard, classroom, presentation and so on.

Each of the settings may still be adjusted, if necessary.

The Display section deals with the type and placement of the display.



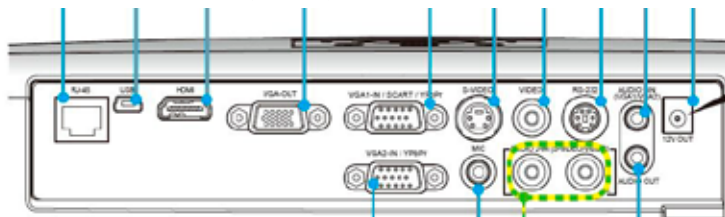
For example, you can move the image left or right, up or down and zoom. The shape of the display can be controlled from there, too.

Setup includes language (there are 22 different language choices both in the on-screen display and in the User Manual), type of projection (ceiling, floor, front, rear), menu location, signal and security.

The Options section includes high altitude (if on, the fans blow more air), keypad lock, background color (how the display should look when no source is input), power-off timer and various settings regarding the lamp.

Normal resolution is 1280 X 800 with 3100 lumens of brightness. The lamp life is 4,000 hours at normal brightness. Speakers are included in the projector. Input may be VGA, HDMI, RJ-45 network, S-video and more. There is a focusing control on the top of the projector.

The projector comes with power cord, VGA to VGA connector cable, remote with batteries, a CD-ROM containing the User Manual, and a Quick Start Card. Below is the unit's layout of ports and connections.



There is a 3 year warranty on the projector, 1 year for the lamp.

**About:** Optoma Projector

**Vendor:** Optoma  
[www.optomausa.com](http://www.optomausa.com)

**Price:** \$888 to \$950 onlin

## Rebit 5 Backup

We all know that back-up is important to do regularly. The problem is forgetting to do it, or putting it off to another day because of the pressures of work or home. Rebit has a solution for you – continuous backup.

# TCS Member Incentive Program

## What is it?

It's YOU!

**a current member of the *Tucson Computer Society* sharing the value of your membership with others.**

Have you ever posted a question to the ListServ and received an answer that saved you money (or time)? Or maybe learned something by just reading others' postings?

Have you ever enjoyed a presentation at a SIG or General Meeting? How many times have you learned something you'd not otherwise have known or discovered tricks in your own software – all due to your *TCS* membership?

Be honest now – surely you aren't the only person you know with that same curiosity, the same questions or a similar need. Help others you know by giving them the gift of knowledge. Members with three new members to their credit in a twelve-month period will receive a reward.

**Your reward?!?**

*(besides that warm fuzzy feeling?)*

**A \$50 Gift Certificate.**

So *share* TCS. Your friends will thank you *and* you gain \$50!

**– Grow the Society –**

**;*WIN* – Expand Others' Knowledge – *WIN!***

With this product, you get immediate and complete backup of all your documents, pictures, videos, music and more.

You need to supply a couple of things: a CD-ROM drive, used to install the Rebit software, and a USB external hard drive or network attached storage big enough to store the backup of your system.

Installation is easy. The install CD-ROM starts the process. You select which drive you want to back up to and which to back up from. Next comes the license agreement.

I read the license agreement and had only one paragraph which made me wonder. It's titled "Consent to use data." There is no opt-out option, since this paragraph is part of the entire agreement. It allows Rebit to "extract, compile, synthesize, and analyze non-personal information about the workstation being used."

#### 7. Consent to Use Data.

In an effort to monitor and improve the performance of the Software Rebit will have the right to extract, compile, synthesize, and analyze anonymous, non-personal information about the configuration of the Workstation being backed up by the Software and the performance of the Software with the Workstation ("Data"). To the extent that any Data is collected by Rebit, such Data will be solely owned by Rebit and may be used by Rebit for any lawful business purpose in an aggregated form without specifically identifying the source of the Data.

The next step is to start the backup process, which may take some time. In my case, it's going very slowly. In fact, it took overnight and more to completely back up this laptop, which has about 60 GB of stuff on the hard drive. Although the initial backup took quite a long time, subsequent backups were much faster.

Once a complete backup is completed, you can browse the backup and choose to restore any given file, or to start the recovery process. As you change files or add new ones, they are continuously backed up. You don't have to do a thing!

When your backup drive begins to reach its limits, the Rebit software will begin to delete the oldest files that have been saved. Note that you always have a complete system back-up. If you run out of space on the back-up drive, you can add another.

Rebit 5 will periodically check for updates on its own. You can check yourself at any time, as well. Rebit 5 keeps itself updated automatically.



If you have concern about someone accessing your back-ups without authorization, you can set a password in the software.

Restoring your back-up requires that once Rebit 5 is installed, you make a recovery CD or you can download one from the web site. This CD has the necessary files to allow it to boot into Rebit 5, even if your computer won't boot. You can then install the backed-up files to the internal hard drive.

This software is very easy to use and doesn't require involvement from you after the install. The only disadvantage is the lengthy initial back-up. There's no ways around that, with this software or any other. Once done, though, you probably won't notice that continuous back-up is occurring. There is no noticeable slowdown.

There is a 30-day free trial available.

**About:** Rebit 5 Backup

**Vendor:** Rebit  
[www.rebit.com](http://www.rebit.com)

**Price:** about \$20 for download for one PC,  
\$40 for 3 PCs

The End