

System Saver® II CS Instructions

Thank you for choosing System Saver IIcs as the all-in-one accessory for your Apple IIcs.[®]

Please take a few moments to read through this instruction booklet. It will familiarize you with the important features of the System Saver IIcs as it takes you through a simple step by step installation.

Unplug your computer and peripherals and remove the monitor from the system unit. Center the System Saver IIcs on your Apple IIcs. There are ridges on the bottom of the System Saver IIcs that will fit into the grooves on the top of the IIcs case. Fitting these ridges into the grooves is important, as it helps to form a seal between the System Saver IIcs and the computer for the most efficient cooling. Reposition your monitor on top of the System Saver IIcs, and plug the System Saver IIcs power cord into your wall outlet.

Please note: In order to function properly, your System Saver IIcs must be plugged into a properly grounded outlet—either a three-prong outlet, or a grounded two-to-three-prong adapter.

If you look at the back of the System Saver IIcs, you will notice that the outlets are labeled Computer, Monitor, Printer, and Aux. The Computer and Monitor outlets are controlled by the Master switch on the front of the System Saver IIcs. The Printer and Aux outlets are controlled by the Aux switch. Be sure to plug your computer and peripherals into the appropriate outlets so that they will be controlled by the proper switches.

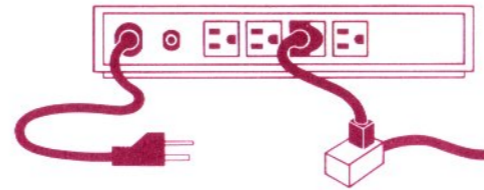
Computer Now you can control the power to your Apple IIcs with the easily visible, front-mounted switch on the System Saver IIcs. You no longer have to fumble around, feeling for the switch on the back of your computer. (When plugging your computer into the System Saver IIcs, you may wish to tie up the excess length of the Apple IIcs power cord to avoid getting it tangled with your other cords.)

Monitor Again, when plugging your monitor into the System Saver IIcs, you may wish to tie up any excess length of power cord to avoid getting it tangled with your other cords.

Printer and Aux These outlets are provided for any other peripherals you may have—printer, hard disk, modem, plotter, etc. Most Apple IIcs users will use one of these outlets for a modem or other peripheral which requires a step-down transformer.

Step-down transformers cause three problems. First, they are bulky and can block a second outlet. Second, they are heavy and should not be mounted on the back of the System Saver IIcs. And third, if you do plug a step-down transformer into the System Saver IIcs, so close to your monitor, it may generate interference on the screen. This interference is not through the power supply, it is direct interference between the transformer and the monitor's internal coils. The only solution to this problem is to position the transformer at a small distance from the monitor.

If one of your peripherals has a transformer, you may wish to plug that transformer into a short extension cord, then plug the extension cord into the System Saver IIcs. This will allow the transformer to rest safely on the desktop, without interfering with either your System Saver IIcs or your monitor.

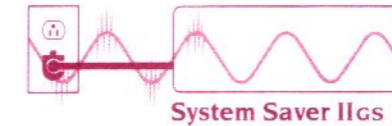


If you need a short extension cord, you may order one by using the order form enclosed.

Once you have all your equipment plugged into the System Saver IIcs, switch on the power switches on your computer, monitor and peripherals. This is the last time you will have to use these switches. From now on, you will be able to control your entire system from the System Saver IIcs.

If you have a separate hard disk, press the Aux switch first and wait for your hard disk to warm up. Then, press the Master switch to power up your computer, monitor and System Saver IIcs fan.

Beyond the convenience of extra outlets and easy-to-reach switches, System Saver IIcs also protects your entire system against power line problems. It makes your computer and peripherals more accurate and reliable.



Many computer malfunctions are caused by power surges, spikes and line noise. These power problems can make your printer suddenly spit out something that bears little or no resemblance to the document you wanted it to print. They can wipe out memory in your Apple IIcs, taking hours of hard work with them. Even worse, they can damage your computer's delicate circuitry, sending it in for costly repairs.

That's why System Saver IIcs is equipped with U.L. listed surge suppression circuitry to clip surges and spikes at a safe level.

And, as an added protection in the event of a particularly large surge or overload, the System Saver IIcs is equipped with a circuit breaker that will cut off the power to your computer before any damage can occur. Just press the "Reset" switch on the back of the System Saver IIcs to power up again.

Technical Specifications

Rated Voltage	120 Volts AC
Rated Current	10 amps
Circuit Breaker	10 amp
Temperature Range	0°C to +55°C
Test Voltage	1750 Volts DC for 1 second Line-Ground
Clamping Voltage	340 Volts
Current Peak	6500 amps
Energy Rating	210 joules
Typical Response Time	< 1 pico second
Noise Rejection Time	600 kHz to 25 mHz
Attenuation	47dB

System Saver IIGs is U.L. listed. It conforms to the Institute of Electrical and Electronics Engineers (IEEE) specification 587-1980, Category A and B. Patents pending. Made in U.S.A.



Limited Warranty

KENSINGTON MICROWARE LTD. ("KENSINGTON MICROWARE") warrants this PRODUCT against defects in material and workmanship as follows:

For a period of one year from the date of original purchase KENSINGTON MICROWARE will supply, at its option and at no charge, new or rebuilt replacements for defective parts and will pay the labor charges to repair the PRODUCT found to be defective.

Please retain the original packaging. You will need it for any warranty service. You should also retain the dated bill of sale as evidence of the date of purchase.

To obtain warranty service during the warranty period you must:

1. Call the KENSINGTON MICROWARE return department.
2. Give the date of purchase on your receipt. (If the product is not within the one year warranty period, there will be a nominal charge for repair.)
3. Give a full description of the problem.
4. Get a Return Authorization Number (RA#).
5. Pack the PRODUCT in its original packaging. Enclose a letter inside the package giving us your name, RA#, address, phone number and check, if necessary. You must also enclose a copy of your sales receipt.
6. Take the PRODUCT or deliver the PRODUCT PREPAID to KENSINGTON MICROWARE. The PRODUCT must be in its original packaging. Be sure that your RA# is also marked clearly on the outside of the package. We will NOT accept any return without an RA# marked on the outside of the package.

In order to keep this warranty in effect, the purchaser must have handled and used the PRODUCT as prescribed in the instructions accompanying this Warranty. This Warranty does not cover any damage due to accident, misuse, abuse, or negligence.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. KENSINGTON MICROWARE SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

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Kensington Microware Ltd., 251 Park Avenue South, New York, NY 10010
(800) 535-4242, In NY (212) 475-5200, Fax (212) 475-5996, Telex 467383 KML NY

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Following photos courtesy eBay seller 'maceffects'



System Saver II Gs

Cools, organizes, and protects your Apple® II Gs

- Quiet cooling fan
- Four outlets
- Convenient front-mounted, lighted power switches
- Protective surge suppression and noise filtering circuitry



System Saver IIcs

Cooling Fan
Whisper-quiet fan draws cool air through your Apple IIcs at the rate of 17 cubic feet per minute.

Elegant Design
Styled to blend in perfectly with your Apple IIcs.



System Saver IIcs

Aux Switch
Controls the power to your two auxiliary outlets. Wired independently of the Master for separate control. Perfect if you need to power up a hard disk before powering up your computer, or don't want to leave your modem and printer on all the time.

Master Switch/Indicator
Convenient front-mounted switch controls the power to your computer, monitor, and System Saver IIcs fan.

Circuit Breaker
An extra reassurance. In the event of a particularly large surge, this 10 amp. circuit breaker will cut off the power to your computer before any damage occurs. Just press the reset switch to restore power.



8 Foot Power Cord

Complete Power Organization
System Saver IIcs gives you outlets for your computer, monitor and two peripherals.

Cooling Seal
Foam seal makes sure that the System Saver IIcs fan draws cool air through your computer, not around it.

System Saver IIcs keeps your Apple IIcs cool.

Peripheral cards added to your Apple not only generate heat, they block the natural flow of air through your computer. The resulting high temperature conditions can affect your computer's circuitry, even shorten its lifespan. That's why we developed the System Saver IIcs.

Its whisper-quiet fan draws a breath of fresh air in through the ventilation slots on the back and bottom of the IIcs, over the power supply (the primary source of heat), and out the vents in the top at the rate of 17 cubic feet per minute. It leaves your Apple IIcs cool, calm and running at top speed.

System Saver IIcs provides pure power.

70-90% of all microcomputer malfunctions can be traced to impurities in the electrical current. Line noise can be interpreted as data, confusing your Apple and causing system errors. Power surges and spikes can do costly damage to its delicate circuitry.

System Saver IIcs protects your entire Apple system with surge suppression circuitry engineered to meet Categories A and B of IEEE specification 587-1980. (Under IEEE Category B, System Saver IIcs is tested to protect your system from a simulated 6,000 volt lightning strike with a 3,000 amp follow-on current!)

System Saver IIcs also provides noise filtering—just as important to the smooth operation of your computer as surge suppression. Its pi type filter combines capacitive and inductive circuitry to cover both common and transverse mode noise, protecting your valuable software and data from both RFI (radio frequency interference) and EMI (electromagnetic interference).

System Saver IIcs is not a completely new idea.

Clever, yes. Versatile, convenient and useful, yes. But not completely new. After all, we've been making the original System Saver for the Apple II+ and IIe for years. It's the best selling accessory ever made for the Apple II—chosen by over 1/4 million Apple II owners.

Technical Specifications

Rated Voltage	120 Volts AC
Rated Current	10 amps
Temperature Range	0°C to 55°C
Test Voltage	1750 Volts DC for 1 second
	Line-Ground
Max. Avg. Power Dissipation	1.5 kW at 1 millisecond
Clamping Voltage	340 Volts
Current Peak	6500 amps
Energy Rating	210 joules
Typical Response Time	<1 pico second
Noise Rejection Frequency	600 kHz to 25 mHz
Attenuation	47dB

Conforms to the Institute of Electrical and Electronics Engineers (IEEE) specification 587-1980, Category A and B. Made in USA. Patents pending.

KENSINGTON

An ACCO World Company

Kensington Microwave Ltd.
251 Park Avenue South
New York, NY 10010
(800) 535-4242
In NY (212) 475-5200
Fax (212) 475-5996
Telex 467383 KML NY

Model #62314

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photo courtesy eBay seller 'selectautoelements'



KENSINGTON

System Saver IIgs

ALIX

MASTER



Apple IIgs

