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DBugR 1.2 documentation - November 1994

• Shareware - \$3 - cash only

- ◇ This control panel is distributed as **shareware**: if you like it please honor the shareware system by sending **\$3** to the author at the address above. Since cashing international cheques is very expensive, please send **cash only** (U.S. dollars are best, but any other currency is fine).
- ◇ If you work on the Macintosh, there are many things you can send me **instead of the money**. Here are some suggestions: **original software** (but don't send any shareware/freeware unless you're the author), **books** or computer-related **magazines** (any free issue or subscription is welcome), **CD-ROMs**, any piece of new or used **hardware**, or anything else you've created.
- ◇ There's still another thing you could do: I'll finish my physics studies sometime in 1996 and I'm looking for a **one-year job** as a programmer (or maybe a scientist?) outside of Italy. Let me know if you have anything to offer.
- ◇ If you can't afford any of the above an **e-mail**, a **postcard** or a **letter** is welcome. I speak English, French and Italian. Please forgive me if I don't answer to all of your letters - I am often overloaded with my school work.

• Introduction

- ◇ DBugR is a cool Control Panel for **programmers** and **hackers** who often have to break into **MacsBug** (or any other debugger supporting the _DebugStr trap). It puts a **floating "small bomb" icon** on your desktop which acts like a button. If the mouse button is pressed and released inside the icon, a **user interrupt** is invoked and MacsBug pops out. DBugR can show some basic **info** about the current application (name, free memory, max free block) and/or send one of two user-configurable **MacsBug commands** to be executed immediately upon breaks (hold down the Option key when clicking to send the alternate command). The icon may be **moved** anywhere on any monitor by holding down the Shift key and dragging it around.
- ◇ DBugR only takes about **6K** of system memory and **35K** of disk space.

• Special keys

- ◇ You may hold down the following keys when clicking in the DBugR icon:
 - **[SHIFT]** lets you drag the DBugR icon somewhere else;
 - **[COMMAND]** forces DBugR to send a MacsBug command even if the "Always send" option is not checked (if the option is checked, the Command key has no effect);
 - **[OPTION]** makes DBugR send the alternate command string (this key may be combined with the Command key).

• The control panel

- ◇ This is what you'll see in the Control Panel:
 - **[On/Off]** Activate/deactivate in case you don't have a startup/extensions manager;
 - **[Info]** Brings up a brief shareware notice;
 - **[Corner]** Sets the default corner for the DBugR icon, which can later be moved by holding down the Shift key;
 - **[Set Cmd]** Change the command strings that can be sent to MacsBug at breaks;
 - **[Always send command]** ...or do it only when the Command key is down;
 - **[Show application info]** Show current application's name and free memory or don't;
 - **[Show icon at startup]** Display DBugR's icon at startup time or don't.

• Version history

- ◇ **1.2** - Fixed some bugs in the control panel and added online documentation;
- ◇ **1.1** - Now checks for a low-level debugger before calling it;
- ◇ **1.05** - Minor fixes;
- ◇ **1.04** - Now works under System 6 (checks the BitMapToRgn trap before calling it);
- ◇ **1.03** - Changed key combinations: Shift moves the icon, Command sends a command, Option activates the alternate command string;
- ◇ **1.02** - Added a second command string that replaces the first when the Command (now Option in 1.03) key is held down; also, holding down the Shift (now Command in 1.03) key will force DBugR to send a command string even if the "Always send command" option is not checked.
- ◇ **1.01** - Added control panel interface and user-configurable MacsBug command. Most changes to the control panel

settings take effect immediately.

◇ **1.0** - First cut. DBugR icon floats and calls MacsBug without any trouble; it shows some basic application info and can be moved by holding down the Option key. No control panel yet, but can be configured with ResEdit.

• Thanks to...

- ◇ Fabrizio Oddone, who came out with the original idea, suggested the alternate command string and also did the beta-testing;
- ◇ Alberto Ricci, who didn't do anything except being a good friend as always;
- ◇ Richard E. Brown and Paul L. Merchant Jr. for their hint on debugger checking.

• Distribution

- ◇ DBugR is ©1994 **Alessandro Levi Montalcini**. It can be freely distributed as long as it is not modified and there's no charge for it, but it may not be included in any commercial package without my consent.
- ◇ You may find the latest version of all my shareware programs by anonymous ftp to **ftp.alpcom.it**, inside the **/software/mac/LMontalcini** directory. The complete **ShareDisk** package, which contains all my stuff and can be registered at a very low price, is also available there.
- ◇ All **online services** and **bulletin boards** may make it available to their users at no charge other than the normal connection fees.
- ◇ All non-profit **user groups** may distribute it at no charge.
- ◇ All **magazines** may publish it on floppy disk without asking me first, as long as I get a copy of the issue containing my software.
- ◇ All **CD-ROM shareware collections** and **CD-ROM magazines** may include it without my prior consent, as long as I get either a copy of the CD-ROM or an offer to buy the CD-ROM at a discounted price.
- ◇ All **redistribution companies** such as Educorp may distribute it, as long as I get a copy of each media containing my software and a catalog of the company's offerings (where applicable).

• Disclaimer

- ◇ DBugR shouldn't cause any damage, but you're using it at your own risk. As an independent software developer, I can make **no warranties** whatsoever on it.

• Have fun!

- ◇ And don't forget to **\$\$\$ send your contribution \$\$\$** so that more cool utilities will see the light in the near future, at the low-low-low costs of shareware.