

SetBuffers

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COLLABORATORS

	<i>TITLE :</i> SetBuffers		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

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Chapter 1

SetBuffers

1.1 SetBuffers

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SETBUFFERS v1.28
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~What~is~it?~~~~~
~Usage~~~~~
~WorkBench~~~~~
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1.2 What is it?

SetBuffers is a simple tool for setting the amount of buffers for each device in your system. It is a logical extension of the addbuffers command.

This tool is designed to be used with KickStart v37.175 or greater and WorkBench 2.04+.

Note: A common misconception is that the memory used for filesystem buffers is CHIP memory. This is false, memory for the buffers is allocated from FAST first (if any) then from CHIP.

1.3 Usage

SetBuffers can be used from either the CLI or from WorkBench. There are parameters that can be used to alter the operation of SetBuffers. The default configuration is taken when no parameters are entered.

CLI useage: SetBuffers EDIT/S,USE/S,SAVE/S,DISKREQ/S

1.4 EDIT (default)

This setting will open up a window for use in editing the buffer parameters. (see ~EDITING~)

1.5 SAVE

This option will save the current configuration as an environment archive file. Saving the configuration will ensure that you have it upon next reset using a standard startup-sequence.

1.6 USE

This option will take the current configuration and perform the buffer changes if there are any. Currently, if an error occurs when changing a buffer size, it is ignored.

1.7 DISKREQ

This option allows a disk retry requester to appear when using the info feature. As the default, no requester appears when obtaining information on a device where no disk is present.

1.8 WorkBench

SetBuffers may be used from the WorkBench. Double clicking on the program icon will start the program and parse any options the user has set. These options are the same as per the CLI.

Placing the icon in the WBStartup drawer on WorkBench would be a logical place, but the buffer changes won't be made until this time. For a faster startup-sequence the user would be better to place a call to SetBuffers in the startup-sequence file just before IPrefs, or more legally, in the user-startup file.

1.9 Editing

The listview gadget in the edit window displays the current filesystem devices in your setup. These devices are capable of buffer operation. The first value to the right of the device name represents the current buffer value assigned to that device. The number under the modify title represents the value you wish to change the buffers to. This value can be greater or smaller than the current value.

The value options on the far right in the edit window represent a selection of possible values you may want to use. The top option named "current", when selected, will cause no change to be made to the device buffer. The last option "user" accepts a minimum of 2k and only positive values to be entered. You may want to enter a value of 880 for a complete normal density disk buffer.

A total of the buffer values is shown in a text gadget. This is the addition of values preferred for buffering.

After you have selected values and are finished editing, you may;

- o Select the CANCEL gadget to ignore selections and exit or,
- o Select "Save Settings" from the setting menu to save your values and/or
- o Select USE to change the buffer settings.

1.10 Info Gadget

Selecting the info button will (if a device list exists) produce a simple requester containing information on the selected device.

1.11 Acknowledgements

Thanks to our beta-testers:

David Hughes (Kingaroy Software), Simon Spagnol and Wayne Spagnol.

1.12 Distribution

SetBuffers may be freely distributed, as long as no charge is made other than to cover time and copying costs.

Other options may not be given without permission from AUSTEX SOFTWARE.

Bug reports, suggestions etc.....

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1.13 Versions

- o v1.00 - First version test.
 - o v1.02 - Minimum user selection fixed.
 - o v1.03 - Pre-release version.
 - o v1.04 - Release version.
 - o v1.05 - Fixed text format in listview gadget. Window enlarged.
 - o v1.06 - Restore function was not restoring 'current' options correctly.
 - Window zoom now looks at correct font height.
 - o v1.07/v.1.25 - Internal updates.
 - o v1.26 - Fixed bug with workbench exit function.
 - Access to "NET:" device removed.
 - Added button for information on each device.
 - Filesystem devices are now listed alphabetically.
 - New look to window with custom backfill.
 - Keyboard shortcuts added for each gadget.
 - Added DISKREQ option.
 - o v1.28 - Fixed bug with memory total addition.
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