

Ventriloquist

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Ventriloquist

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Chapter 1

Ventriloquist

1.1 Ventriloquist User Guide: Table of Contents

Legal

Copyright

Disclaimer

Distribution

Author

Shareware

Registration

Reminder Screen Getting Started Introduction

Features

System Requirements

Files In This Archive

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Ventriloquist

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1.2 Copyright

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shareware , and is NOT in the public domain.

1.3 Disclaimer

All software and documentation in the Ventriloquist archive is provided "as is". No representations or warranties are made with respect to the accuracy, reliability, performance, currentness, or operation of this software and documentation, and all use is at your own risk. The

author

assumes no responsibility or liability whatsoever with respect to your use of these materials.

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Permission is hereby granted to distribute the Ventriloquist archive containing the executables and documentation for non-commercial purposes so long as the archive and its contents are not modified in any way.

The Ventriloquist archive may not be distributed for profit.

Permission is explicitly granted to Fred Fish to distribute the Ventriloquist archive as part of his freely-distributable Amiga software collection.

Permission is explicitly granted to AmiNet to distribute the Ventriloquist archive as part of the AmiNet freely-distributable software archive.

1.5 Author

All programs and documentation in the Ventriloquist archive were written by:

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1.6 Shareware Registration

Shareware authors depend on financial support from customers like you to enable them to continue producing quality products. Please support shareware authors by paying for the shareware products you use.

If you find this software useful, please support further development by sending \$30.00 in US funds to the

author

. Please include your address

so I can send

licensing

instructions. It's most convenient for me to send licensing instructions by e-mail, so if you have an e-mail address, please provide it when you register.

If you have already registered, please encourage others to register also. Thank you for your support!

Please send your shareware payment to:

Daniel L. Barrans P.O. Box 281 Uwchland, PA 19480 U.S.A.

1.7 Shareware Reminder Screen

Unregistered copies of Ventriloquist

will occasionally display

registered

your copy of the software, I

will send instructions for installing a license file, which will disable the reminder screen.

1.8 Introduction

This document describes Ventriloquist

, a utility for remote control

of Amigas on an Amiga Envoy local area network. Ventriloquist lets you control any of several Amigas using the keyboard and mouse of any one of them. In effect, this lets you use several Amigas as if they were a single computer with several screens.

VPrefs

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, a preferences program, is also included to help in configuring the options the program offers.

Ventriloquist is most useful if you can see the screens of all Amigas you're using it with. Otherwise, it'll be difficult for you to control the other Amigas effectively.

1.9 Features

- · Control any Amiga on an Amiga Envoy network using the keyboard and mouse of any other Amiga on the same network.
- Switch control from one Amiga to another by typing a key combination or by moving the mouse pointer off any edge of the screen.
- · Choose which key combinations to type or which directions to move the mouse to switch control from one Amiga to another.
- \cdot Choose which other Amigas you can control from each Amiga.
- · Choose which other Amigas can control each Amiga.
- Choose whether all mouse movements are sent for smoothness, or whether they are combined for faster operation on slow networks.
- · Choose how fast the mouse must be moving off the edge of the screen to switch control to another Amiga.
- · Choose how you're notified when you switch control from one Amiga to another: banner window, beep, or no notification.
- · Complete user documentation in AmigaGuide format.
- Includes a program to reboot an Amiga from a Workbench Tools menu option.

1.10 System Requirements

The software in this archive requires Workbench 2.04 or later, and Amiga Envoy network software release 1.4 or later. Here is a list of all disk based Amiga shared libraries required by this software:

```
Library Name Version
-----
amigaguide.library 37
asl.library 37
commodities.library 37
envoy.library 37
iffparse.library 37
```

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nipc.library

1.11 Files In This Archive

File Name Description Ventriloquist.readme a description for Aminet. Ventriloquist.guide this file. Ventriloquist.guide.info icon file for Ventriloquist.guide. Ventriloquist the Ventriloquist program itself. Ventriloquist.info icon file for Ventriloquist. VPrefs the VPrefs preferences program. VPrefs.info icon file for VPrefs. VReboot t.he VReboot program. icon file for VReboot. VReboot.info

1.12 Installation

You should install both Ventriloquist and

VPrefs

on each Amiga you

expect to use for initiating keyboard and mouse input, and each Amiga you want to control remotely. You should also install

VReboot

on each

Amiga you want to reboot without using the keyboard on that Amiga.

For installation details for each program, read the corresponding program installation instructions:

Ventriloquist Installation

VPrefs Installation

VReboot Installation

1.13 Quick Start

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Make sure Amiga Envoy is properly set up and running on all Amigas where you intend to use this software.
 Install

Ventriloquist

and VPrefs

on each Amiga where you intend

to use this software.

- 3. Choose an Amiga you want to control from (host A), and an Amiga you want to control (Host B).
- 4. Run

VPrefs on Host A.

5. Click on the Add... button next to the Server list in the

VPrefs main window , which will make the VPrefs server window appear.

6. Type in the host name of Host B into the Server Name $\label{eq:gadget} \text{gadget in the}$

VPrefs server window

7. Select the

Hot Key

checkbox in the
VPrefs server window
. This will

use "left_amiga F10" as the default hot key.

8. Click on the

Use button in the VPrefs server window .

9. Click on the

Save button in the VPrefs main window

•

10. Run

Ventriloquist

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on both Host A and Host B.

11. On Host A, press F10 while holding down the left Amiga key. Any keyboard or mouse input after you do this will appear on Host B.

12. To switch back to controlling Host A, press F10 while holding down the left Amiga key again.

1.14 Ventriloquist Program

special hot key or move the mouse to the edge of the screen. When you do this, Ventriloquist will connect to another copy of itself running on another Amiga and will cooperate with that copy to make it look as if you were directly using the keyboard and mouse on that Amiga.

For more details on commodities, see your Workbench User's Guide.

Ventriloquist has no visible user interface. It can be controlled with the included

VPrefs

preferences program and with the Exchange commodity program supplied with Workbench 2.04 or later.

Ventriloquist Installation

Ventriloquist Startup

Ventriloquist Termination

1.15 Ventriloquist Installation

Install

Ventriloquist

on each Amiga where you want to use it by copying it to your SYS:Tools/Commodities drawer, or to an alternate location of your own choice. You can copy it by dragging the icon with the mouse, or by typing this shell command:

Copy Ventriloquist#? SYS:Tools/Commodities

Modify your system to run Ventriloquist at startup time by adding this command to your S:user-startup file:

Run >NIL: Ventriloquist

If you install Ventriloquist someplace other than in SYS:Tools/Commodities, make sure the directory you installed it in is in your command path, or you

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will need to change the command shown above to include the directory name.

1.16 Ventriloquist Startup

Ventriloquist can be started either from a shell or from Workbench.

When run from a shell, Ventriloquist uses this command line template:

CX_PRIORITY/N/K

CX_PRIORITY sets the commodity priority of Ventriloquist. If you also run other commodity programs on both Amigas, set this higher than the other commodities' priorities if you want the hot key to be passed to the other Amiga. This defaults to 0.

When run from Workbench, Ventriloquist supports the CX_PRIORITY and DONOTWAIT tool types, just like the commodity programs supplied with Workbench.

1.17 Ventriloguist Termination

You can terminate Ventriloquist any of several ways:

- 1. Run it again (which will cause it to exit),
- 2. Remove it using the Exchange program in SYS:Tools/Commodities, or
- 3. Send it a Control-C.

1.18 VPrefs Program

VPrefs is a preferences program that lets you control how Ventriloquist

will work. If you're already familiar with the way the standard $\,\,\hookleftarrow\,\,$ Amiga

preferences programs work under Workbench 2.04 and above, this program should look familiar to you.

For more details on preferences, see your Workbench User's Guide.

VPrefs Installation

VPrefs Startup

VPrefs Termination

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VPrefs Windows

VPrefs Menus

1.19 VPrefs Installation

Install VPrefs

on each Amiga where you want to use it by copying it to your SYS:Prefs drawer, or to an alternate location of your own choice. You can copy it by dragging the icon with the mouse, or by typing this shell command:

Copy VPrefs#? SYS:Prefs

1.20 VPrefs Startup

VPrefs

can be started either from a shell or from Workbench.

When run from a shell, VPrefs uses this command line template:

FROM, EDIT/S, USE/S, SAVE/S, PUBSCREEN/K

FROM lets you specify a preferences file to open. This must be a file that was previously saved with the

Project/Save As...

menu option in VPrefs. If the FROM option is not provided, the default preferences file will be opened.

EDIT will open the

VPrefs main window

for editing. This is done

by default, unless you specify the SAVE or USE option.

USE will use the file specified with the FROM option without opening the VPrefs main window.

SAVE will save the file specified with the FROM option without opening the VPrefs main window.

PUBSCREEN tells VPrefs which public screen to open its window on. This defaults to the workbench screen.

When run from Workbench, VPrefs supports the ACTION=EDIT, ACTION=USE, ACTION=SAVE, and PUBSCREEN tool types, just like the preferences programs supplied with Workbench.

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1.21 VPrefs Termination

```
You can terminate
VPrefs
any of several ways:

1. Click on the
Save
,
Use
, or
Cancel
button in the

VPrefs main window
,

2. Select the
Project/Quit
menu option, or

3. Send it a Control-C.
```

1.22 VPrefs Windows

VPrefs

uses a single main window, with other special-purpose windows occasionally displayed as needed. The following sections describe these windows and their contents.

VPrefs Main Window

VPrefs Server Window

1.23 VPrefs Main Window

```
The
VPrefs
main window contains several gadgets that let you determine
how

Ventriloquist
will work. This window contains these gadgets:

Server List
Client List
Client Authorization
Save Button
```

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Use Button

Cancel Button

1.24 VPrefs Main Window: Server List

Amiga using

A server is another Amiga that you can control from your

Ventriloquist

. The server list shows the servers you can control with your Amiga. Next to this list, there are Add, Edit, and Delete buttons. The Add button opens the

VPrefs server window

to let you add another Amiga to the list of servers. The Edit button opens the VPrefs server window to let you change the details about a server, and the Delete button lets you remove a server from the list. You must select a server in the server list before you can edit it or delete it.

For each server, the server name and the mouse movements and/or hot key that can be used to switch to that server are shown. The mouse movements are shown as a combination of L, R, U, and/or D, followed by a number. The letters represent Left, Right, Up, or Down, and the number represents the threshold used to determine how fast the mouse must be moving to switch from one Amiga to another. For example, L-0 means that you can switch to the server by moving the mouse off the left edge of the screen, as slowly as you wish. L-100 would mean that you can switch by jamming the mouse fairly fast against the left edge of the screen, but you could avoid switching by moving slower. You can switch back to the Amiga you're sitting at by moving the mouse in the opposite direction.

1.25 VPrefs Main Window: Client List

A client is another Amiga that can control your Amiga using

Ventriloquist

. The client list shows all clients you will allow to control your Amiga. Next to this list, there are Add and Delete buttons. The Add button opens a requester to let you choose another Amiga to add to the list of clients, and the Delete button removes a client from the list. You must click on a client in the list before you can delete it.

The client list is only used if
Client Authorization
is set

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to Accept Listed Clients.

1.26 VPrefs Main Window: Client Authorization

Choose which other Amigas can control your Amiga using

Ventriloquist

. If you choose Accept All Clients, any other Amiga on the network will be able to control your Amiga. If you choose Accept Listed Clients, only those listed in the

Client list

will be able to control your Amiga. If you choose Don't Accept Any Clients, no other Amigas will be able to control yours.

1.27 VPrefs Main Window: Save Button

Implement and save all changes you have made and close the

VPrefs main window

. These changes will be used immediately

bу

Ventriloquist

.

1.28 VPrefs Main Window: Use Button

Implement all changes you have made without saving them and

close the

VPrefs main window

. These changes will be used

immediately by

Ventriloquist

. Rebooting the Amiga returns

to the default or previously saved changes.

1.29 VPrefs Main Window: Cancel Button

Close the VPrefs main window without making any changes to the

way

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Ventriloquist

operates. The settings in effect before you

ran

VPrefs

will remain in effect. This does the same thing as

the

Project/Quit menu option.

1.30 VPrefs Server Window

The VPrefs server window contains several gadgets that show you $\,\leftrightarrow\,$ the

detailed setup for a specific server, either a new one being added or an existing one being changed. This window contains these gadgets:

Server Name

Mouse Left, Right, Up, and Down

Threshold

Hot Key

Mouse Motion

Feedback

Use Button

Cancel Button

1.31 VPrefs Server Window: Server Name

 $\hbox{ The name of another Amiga you want to control from your Amiga.} \\ \hbox{This may be any Amiga on the Amiga Envoy network, but you must} \\ \hbox{also run}$

VPrefs

 $\,$ on the other Amiga to tell it to accept input from your Amiga.

1.32 VPrefs Server Window: Mouse Left, Right, Up, and Down

Determine which direction, if any, you can move the mouse pointer off the edge of the screen to switch control from your Amiga to the other Amiga you named as the server. Ventriloquist 14 / 22

1.33 VPrefs Server Window: Threshold

Ventriloquist

will switch control to

the other Amiga you named as the server. Think of this as the height of a speed bump at the edge of the screen. If you're moving too slow, you won't make it over the bump, but if you're moving faster, you'll switch control to the other machine.

1.34 VPrefs Server Window: Hot Key

Determine whether you can use a hot key to switch control between Amigas, and which key combination you can use. For more information about hot keys, see the section on commodities in your Workbench User's Guide.

1.35 VPrefs Server Window: Mouse Motion

Determine whether all mouse movements will be sent to the server (Smooth) or whether intermediate movements will be skipped over to allow the network to keep up (Fast).

1.36 VPrefs Server Window: Feedback

Determine what kind of feedback will let you know that keyboard and mouse input is being sent to another Amiga. The available choices are: Window (for a window to appear on the screen), Beep (for the Amiga losing input to beep), or None (no feedback). In all three cases, the Workbench screen title bar will show the Ventriloquist

copyright information.

1.37 VPrefs Server Window: Use Button

Add the changes you've made in the VPrefs server window to

the

server list in the VPrefs main window , and close the Ventriloquist 15 / 22

VPrefs server window.

1.38 VPrefs Server Window: Cancel Button

Close the VPrefs server window without making any changes

to the

server list in the VPrefs main window

1.39 VPrefs Menus

The VPrefs main window has these menu options:

Project

Open...

Save As...

About...

Quit Edit

Reset To Defaults

Last Saved

Restore Settings

Create Icons?

1.40 VPrefs Menus: Project/Open...

Load preferences from a file. A requester will appear to let you select a file name.

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1.41 VPrefs Menus: Project/Save As...

Save the currently displayed preferences into a file. A requester will appear to let you select a file name.

1.42 VPrefs Menus: Project/About...

Open a requester that tells about Ventriloquist

1.43 VPrefs Menus: Project/Quit

Close the
VPrefs main window
without making any changes to the

way

Ventriloquist
operates. The settings in effect before you

ran

VPrefs
will remain in effect. This does the same thing as

the

Cancel
button in the VPrefs main window.

1.44 VPrefs Menus: Edit/Reset To Defaults

Return to the default settings.

1.45 VPrefs Menus: Edit/Last Saved

Return to the last settings you saved.

1.46 VPrefs Menus: Edit/Restore

Return to the settings shown when you first ran $\ensuremath{\mathsf{VPrefs}}$

•

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1.47 VPrefs Menus: Settings/Create Icons?

1.48 VReboot Program

VReboot is a utility program that will add a Reboot menu option to \hookleftarrow the

Workbench tools menu. This option, when selected, will reboot the Amiga VReboot is running on, after verifying that you really want to reboot by posting a requester.

If you're like me, you sometimes forget which machine you're actually typing on when you're using Ventriloquist, and you sometimes reboot the wrong one. If you get into the habit of using this program instead of just hitting the keyboard, you can avoid rebooting the wrong machine.

VReboot Installation

VReboot Startup

VReboot Termination

1.49 VReboot Installation

Install VReboot

on each Amiga where you want to use it by copying it to your SYS:Utilities drawer, or to an alternate location of your own choice. You can copy it by dragging the icon with the mouse, or by typing this shell command:

Copy VReboot#? SYS:Utilities

Modify your system to run VReboot at startup time by adding this command to your S:user-startup file:

Run >NIL: VReboot

1.50 VReboot Startup

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VReboot

can be started either from a shell or from Workbench. It uses no command line options or Workbench tooltypes.

1.51 VReboot Termination

You can terminate VReboot two ways:

- 1. Send it a Control-C, or
- 2. Reboot the Amiga it's running on.

1.52 Credits

Inspiration:

Thanks to Doug Walker for writing NetKeys, which inspired me to write

Ventriloquist in the first place.

Testing:

Thanks to the people who tested Ventriloquist for me, especially David Junod, who helped make the software much better than it would otherwise have been by insisting on several more features than I planned on putting in. Humph. If it wasn't for users, it'd be ever so much easier to get software finished. :-)

Tools:

Thanks to the hordes of people who've supported Amiga software development over the years with such excellent tools as AmigaDOS, Workbench, Amiga Envoy, Commodities, AmigaGuide, TurboText, SAS/C, WShell, ARexx, Enforcer, MungWall, and many others.

Trademarks:

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1.53 Release History

Ventriloquist 1.2 (30 Jan 96) Added VReboot program.

Changed VPrefs to use "lcommand F10" instead of "left_amiga F10"

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as the default hotkey. The old hotkey spec didn't work with 2.04.

Changed to new address for shareware registration. Took too long to get around to doing this!

Ventriloquist 1.1 (23 Apr 94)

Fixed a problem with the gadget layout code under AmigaDOS 2.1.

Ventriloquist 1.0 (23 Apr 94)

Initial public release.

Increased frequency of display for license reminder window.

New VPrefs icon.

Revised Ventriloquist.guide.

Changed "Client Security" to "Client Authorization".

Ventriloquist 0.9 (03/25/94)

VPrefs no longer calls ScreenToFront() when edit window opens.

Fixed Enforcer hits that occurred when server is receiving mouse events while there is no active screen (such as when Workbench screen temporarily closes when changing preferences).

Added Project/Load, Project/Save As, and Settings/Create Icons menu options to VPrefs. Added FROM, EDIT/S, USE/S, and SAVE/S command line options. Added ACTION tooltype, and added code to read in preset files when VPrefs is started from a project icon. VPrefs should now have features equivalent to the standard preferences programs from C=. If you notice any discrepancies, please let me know.

Ventriloquist 0.8 (02/17/94) Switched to SAS/C 6.51.

Changed program name from DLBKeys to Ventriloquist.

Now uses IFF prefs file format. This is again incompatible with prefs files created by earlier versions. Since I'm now using IFF, future versions will be backward compatible. :-)

Combined client and server into a single program, Ventriloquist. Moved control window into a separate preferences program, VPrefs.

Now shows local host name in prefs window title bar, and in server edit window title bar.

Added client security to let you determine which client Amigas (if any) can control your Amiga using Ventriloquist.

Now prevents transmission of input events to another host when events are currently being received from the same host.

Now centers the pointer on the inactive host when switching from one host to another. This is so the mouse pointer will appear in

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a predictable place when the inactive host's mouse is used.

Wrote an AmigaGuide document to replace the READ_ME file.

DLBKeys 0.7 (11/07/93)

Unsnapshotted the client's icon, and added an icon for the server.

After redirecting to a server Amiga, you can now get back to the client by any method configured for that server. The software used to require you to get back the same way you got there.

The server now blanks the mouse when focus moves back to the client Amiga. The pointer reappears the next time any input activity occurs on the server Amiga, no matter where it originated.

Added local host name to Add/Edit Host window, along with some other layout changes.

Increased number of characters shown for host names from 12 to 16.

Changed "no connect" message display time from 2 seconds to 1 second.

DLBKeys 0.6 (11/06/93)

Added prefs option to select window, beep, or no notification when redirection is in effect. Again, this makes the prefs file not compatible with the previous version.

Now uses more specific error message when a library cannot be opened.

DLBKeys 0.5 (11/04/93)

Changed layout of client's edit window.

Edit window now fills in a default hot key of "left_amiga F10" if "Use Hot Key" is checked, but no hot key has been supplied yet.

Added a "Select Host..." button to the edit window to use the Amiga Envoy host requester to get a host name.

Tightened up the client-server protocol a little. This again makes this version incompatible with the previous version. As before, don't mix versions on different Amigas.

Fixed an interaction with the Blanker commodity that caused the mouse pointer to appear in the wrong place on a remote host screen if the screen is blanked when redirection is started.

Fixed a bug in the control window code that was trashing a newgadget structure. This was causing endless Enforcer hits, but not on my primary development and testing Amiga. Sorry about that. :-(

Fixed an enforcer hit in the licensing code.

Fixed a problem in the prefs code that caused the client to ignore host entries without a hot key specification.

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DLBKeys 0.4 (11/01/93)

Client now keeps a connection open even after redirection to a host is cancelled, in case it is needed again. This gets rid of the pause that used to occur each time redirection was triggered except for the initial connection.

Client now blanks the local mouse pointer while input is redirected to another Amiga.

Fast mode now works much faster and less jerky on a slow (cslip) network. It should be much better on a fast network too.

Client now brings up the edit requester when a host entry is double clicked.

Client now allows multiple ways to switch input to another host, where before you had to have a separate entry in the list for each switch method.

When switching from local to remote or remote to local Amiga, and the switch was made by moving the mouse, the pointer now shows up in the expected place on the destination screen.

WARNING: Because of these changes, this version is incompatible with the previous version for client-server communication, and preferences file format. Don't mix versions of the client and server programs on different Amigas.

DLBKeys 0.3 (10/26/93)

Client now has a control window.

Can now assign multiple hot keys for different remote hosts.

Added ability to redirect to another Amiga by moving off an edge of the sending Amiga's screen.

DLBKeys 0.2 (09/18/93)

Optimized the input event transmission code some to more efficiently use the available bandwidth.

The server couldn't run again after exiting because it incorrectly freed its server entity.

DLBKeys 0.1 (09/15/93)

Initial test release.

1.54 Problems and Suggestions

I have tried to make Ventriloquist as problem-free and easy to use \leftarrow as

possible. However, nobody's perfect, right? If you have problems using this software, or you have suggestions for improving it, or any other comments about it, please

write me

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directly.

If would like to see features added to this software, please remember that it is $\frac{1}{2}$

shareware

, and that I depend on users to pay shareware fees to help fund its continued development.