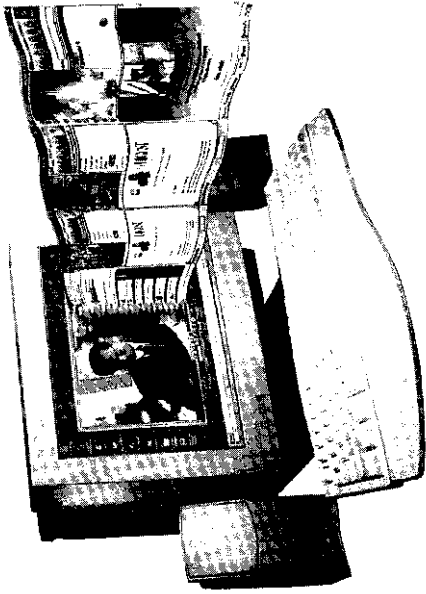


Users Guide

**Channel Surfer TV
Channel Surfer TV + FM**



ADS Technologies
13909 Bettencourt Street
Cerritos, CA. 90703

Corporate: 562.926.1928
Technical Support: 562.926.4338

Fax: 562.926.0518

24 Hour BBS: 562.802.0608

Web Address: www.adsiech.com

CompuServe Forum: "GO"

Multi B

ADS Channel Surfer TV
Model CHX-985
FCC ID: LLS-955TVPCI

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

© 1997 ADS Technologies. All Rights Reserved
First Edition: Revision 1.0 August, 1997

Microsoft, MS-DOS, Windows, and Windows 95 are registered trademarks of Microsoft Corporation. IBM is a registered trademark of International Business Machines, Inc. Intel InterCast™ and Intel Smart Guide™ is a registered trademark of Intel Corporation.

ADS is a registered trademark of ADS Technologies Inc.

ADS Technologies (ADS) makes no warranty of any kind with regard to this material, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The information furnished within this written document is for information purposes only and is subject to change without notice. ADS Technologies assumes no responsibility or liability for any errors or inaccuracies that may appear herein. ADS makes no commitment to update or to keep current information contained within this document.

Table of Contents

A Letter from the President of ADS vi
 Introduction vii
 System Requirements viii
 Package Contents ix

Chapter 1
Installation Guide 11
Hardware Installation Guide 13
 Connecting to your Sound Card 18
 Channel Surfer TV Line In 18
 Channel Surfer TV Line Out 19
 Connecting a Cable TV or Air Antenna 22
 Connecting an FM Radio Antenna* 23
 Connecting the A/V Octopus Cable 24
Connecting an External Video Source 25
 The A/V Octopus Cable Explained 25
 Composite Video In (Yellow) 26
 Composite Audio L & R In (Red & White) 27
 Audio Out (Black) 29
 The S-Video Port 30
Software Installation Guide 32
Windows 95 Driver Installation 32
Windows 95 B Driver Installation 33
 Installing the Software 35

Chapter 2
Getting Started 39
The First Time You Start Channel Surfer TV 41
 Scanning For Available Channels 41
 TV Station Setup 41
The Task Bar Concept 44

Chapter 3
 The Channel Surfer TV Interface 45
 The Main Interface Window 47
 The Preset Window 57

The Display Window 58
 The Capture Window 61
 The Stations Window 65
 The Options Window 71
 The Main TV Window 74
 The Full Screen Quick Bar Window 77
 The Channel Surfer TV Tray Icon 78

Chapter 4*

The Radio Bar Interface 81
 The Main Interface Window 83
 The Preset Window 88
 The Capture Window 90
 The Stations Window 93
 The Options Window 99
 The Radio Bar Tray Icon 101

Pixel Pusher 107
Wave Splice 108
Video Splice 109

Appendices

Appendix A
 Intel InterCast™ 113
 What is RBDS? 114

Appendix B

Which version of Windows 95 do I have? 117
 Channel Surfer TV Compatible Video Cards ... 118
 Trouble Shooting & Technical Support 120
 Contacting ADS 121
Service and Warranty 122

Appendix C

FCC Information 124
 Credits 125

* These features are only included in the "Channel Surfer TV with FM radio."

* These features are only included in the "Channel Surfer TV with FM radio."

A Letter from the President of ADS Technologies

"Making your Ordinary PC, Extraordinary"

At ADS Technologies we bring the best and latest multimedia technology to your PC. Whether you want to watch TV on your PC, give a great multimedia computer presentation on any TV, surf the web from your couch, or receive data broadcast via TV/radio, ADS allows you to do it... Today. While others wait for these technologies, you can have them right now.

What's more, all this innovation is reasonably priced. This means that, finally, it makes sense to upgrade your ordinary PC into an Extraordinary. Multimedia PC.

ADS products are easy to use. All our products are Plug-and-Play and rarely require any software installation, you simply plug them in. And once they're plugged in, they're easy and simple to use. Now, you can look like a computer "guru" using the latest multimedia technology, without actually being one.

Finally, all ADS products are backed by a great customer support team and a 1-year warranty.

This combination of innovation, affordability, simplicity, and support have made our products award-winners in the press and at conventions, and best-sellers around the world. In closing, I wish to thank you for choosing ADS Technologies, and I hope you enjoy your new multimedia experience.

Sincerely,



Michael McCoy
President

ADS Technologies manufactures scan converters, TV-tuner cards, radio/data reception products, presentation devices, and sound cards which are designed to work with IBM-compatible personal computers.

Introduction

Turn your PC into a POWERFUL Multimedia Center:

The "Channel Surfer TV" brings TV, video, the VCR, radio*, wireless data reception, video editing, and video conferencing to your home PC. It takes seconds to install this internal card and turn your ordinary PC into a mighty multimedia center.

The "Channel Surfer TV" lets you watch broadcast and cable TV in a scalable window on your computer monitor. You can plug in a VCR or Laserdisk and watch videos, too. Like a VCR, you can record video (or still images), save it to your hard drive, and watch it later. You can also receive FM radio.*

The "Channel Surfer TV" receives data broadcasts via TV and radio*. With InterCast™ from Intel, you can simultaneously watch a ball game and look at a players statistics or get more details about the news report that you're watching. With radio data, you can receive station call letters, artists name, song title, and more.*

You can also edit both still frame images and video clips. You can professionally edit home video or put together a collection of your favorite music videos. And if you already have a video camera, you can simply plug it in to the "Channel Surfer TV" and your ready to video conference. You can also record still and full motion captures and post them on you internet home page.

What the "Channel Surfer TV" can do:

- Watch TV and videocassettes through your PC monitor.
- Receive FM radio through your PC.*
- "Record" video and stills to your hard drive, just like a VCR.
- "Record" radio to your hard drive just like an audio cassette.*
- Play CD's through your computer.
- Receive data broadcasts via TV: players statistics, detailed news reports, and more.
- Receive data broadcasts via FM radio: call letters, song title, artists, and more.*
- Edit video (clips and stills): cut, paste, combine clips, and more.
- Video conference, if you have a video camera.

* These features are only included in the "Channel Surfer TV with FM radio."

System Requirements

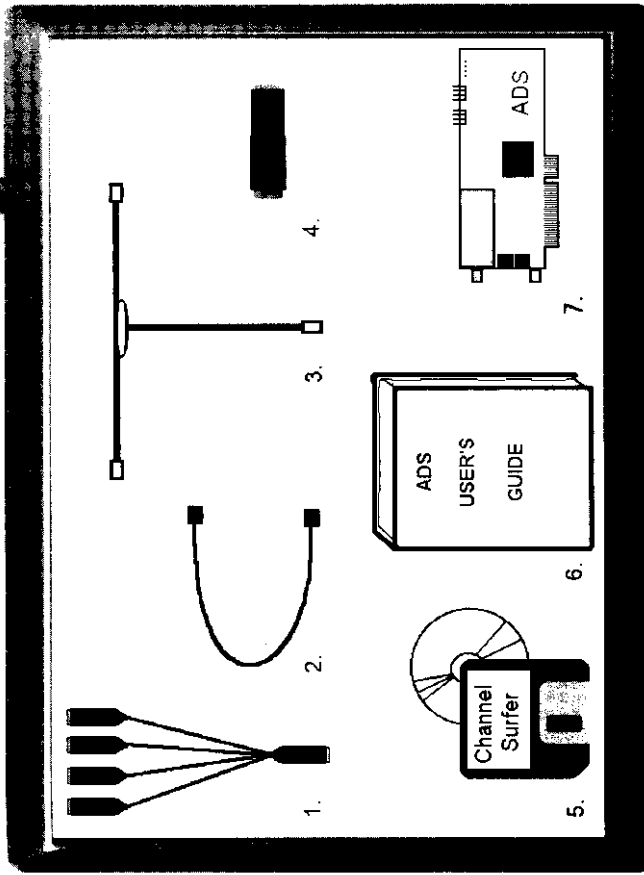
- ✓ Windows 95
- ✓ Pentium 90 or better
- ✓ Available PCI slot
- ✓ 16 MB of RAM
- ✓ 25 MB of Hard Drive space
(Audio, Video, and Still captures require additional hard drive space.)
- ✓ Compatible video card:

Matrox's Millenium or Mystique
STB's Velocity 3D or Power Graph 64
Diamond's Stealth 3D 3000
Number 9's Vision 968

ATI's Graphics Pro Turbo

(For more information and additional compatible VGA cards see the section titled "Channel Surfer TV compatible video cards.")

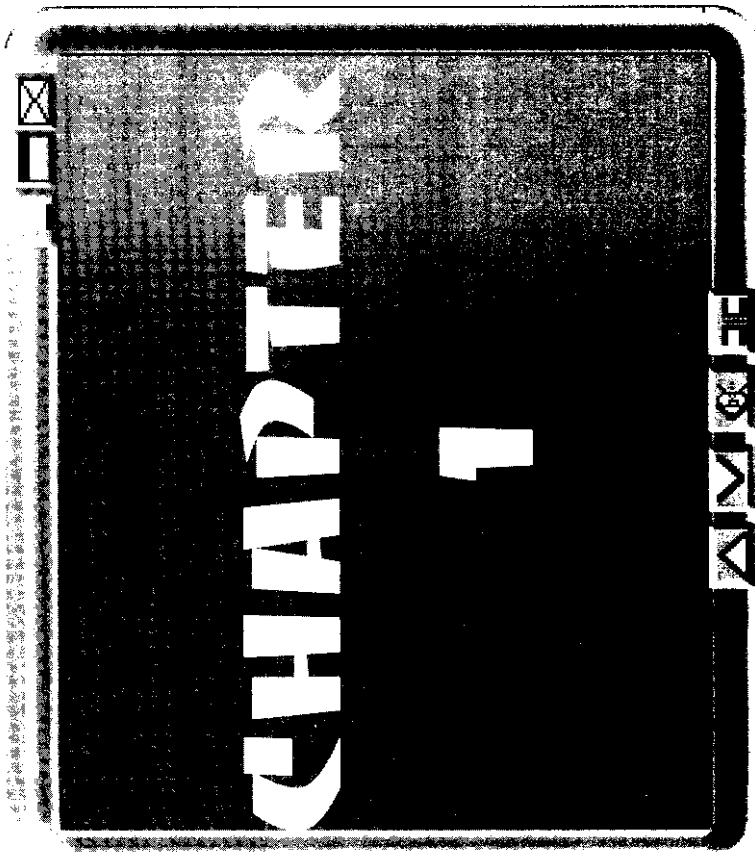
Package Contents



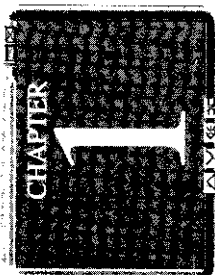
1. Composite Octopus Cable
2. 4 Pin CD Cable
3. FM Antennae *
4. SVHS Converter
5. Channel Surfer TV Software
6. Users Manual
7. Channel Surfer TV

Note: If you did not receive one or more of the contents listed above inside the Channel Surfer TV package, please contact the vendor you purchased it from or

* These features are only included in the "Channel Surfer TV with FM Radio."



Installation Guide



Hardware Installation Guide

CAUTION

To avoid electric shock, be sure to unplug your computer before beginning any installation of your Channel Surfer TV hardware.

To install your Channel Surfer TV hardware, just follow the simple instructions below.

Step 1

Power off the computer, then disconnect the power cord.



Step 2

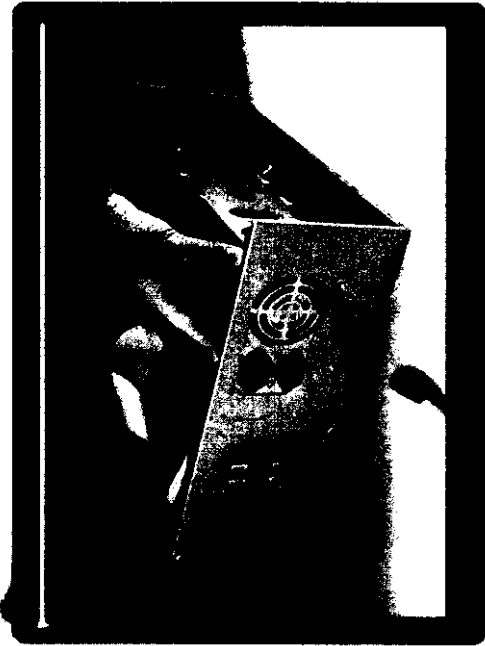
Remove each screw found on the back of the computer and remove the shell from the computer.

NOTE: Screw locations vary from computer to computer.



Step 3

With the power cable disconnected from your computer, touch the metal part of the case to ground yourself. This will discharge any static electricity which can damage your computer.



Step 4

Locate an available PCI expansion slot. This slot will be in the area of your computer where other cards that look similar to the Channel Surfer TV are installed.



Step 5

Visually confirm that the Channel Surfer TV will fit into the available slot you have chosen.



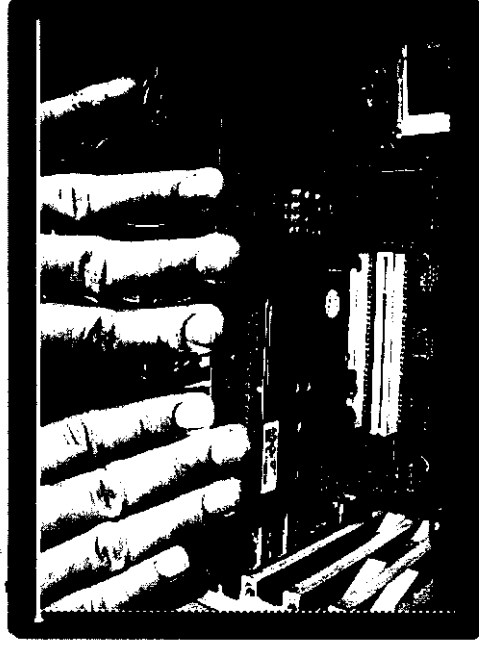
Step 6

If necessary, remove the knockout on the back of the PC which corresponds to the PCI slot you have confirmed as your selection. If there is a screw, place it in a safe spot as you will be using it to attach the Channel Surfer TV.



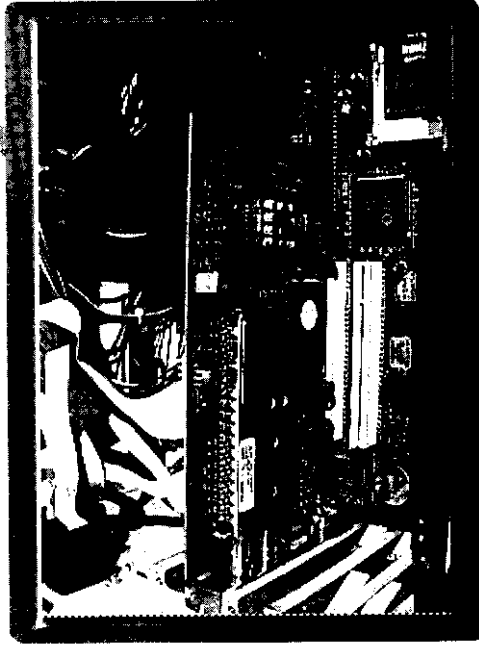
Step 7

Push the Channel Surfer TV card firmly into the PCI slot. Apply pressure as needed until the edge connector is completely sealed.



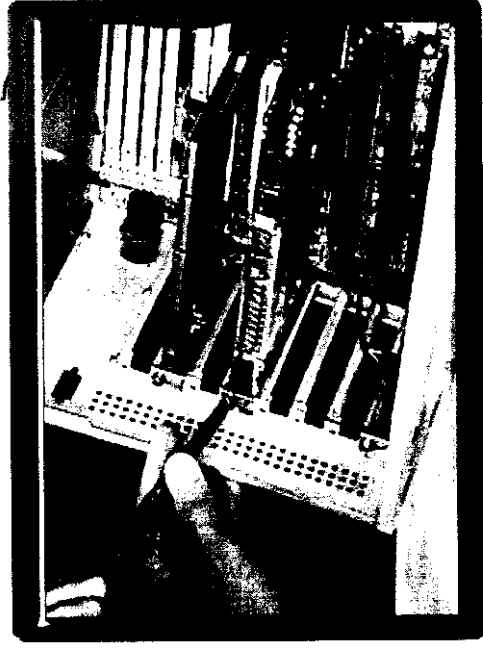
Step 8

Once the Channel Surfer TV is fully seated, the gold edge connectors are completely in the slot.



Step 9

Mount the Channel Surfer TV in place with a screw. Make sure the screw is firmly tightened so the Channel Surfer TV does not slide out of its seated position.



Connecting Your Sound Card

The Channel Surfer TV Line In

If your "Line In" connector is in use by another device or if you only have a "Line In" that your CD-ROM uses proceed with this section. Otherwise skip to the heading titled "The Channel Surfer TV Line Out" found on the following page.

Step 1

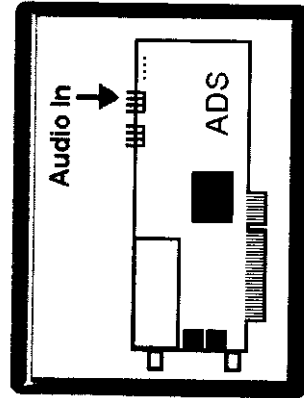
Locate the cable that runs from the CD-ROM's audio line out to your sound cards audio line in. You may need to refer to your CD-ROM's users guide and your sound cards users guide for further information.

Step 2

Disconnect the audio cable from your sound cards "CD-ROM Audio Line In" or "Audio Line In".

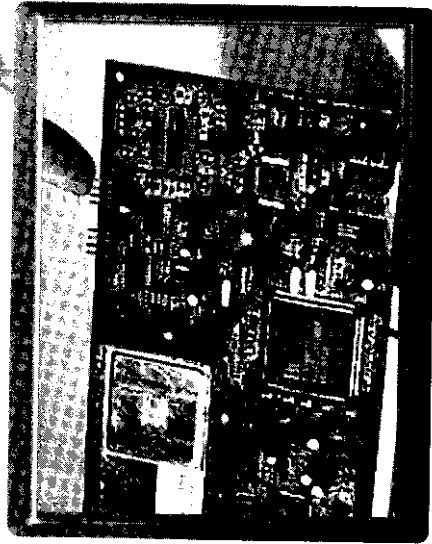
Step 3

Locate the "Line In" connector on the Channel Surfer TV as shown in the picture below.



Step 4

Connect the CD-ROM's audio cable to the Channel Surfer TV's line in as shown in the picture below.



Step 5

Proceed with the section below titled "The Channel Surfer TV Line Out".

The Channel Surfer TV Line Out

Follow the step by step instructions below to connect an audio patch cable to the Channel Surfer TV's line out.

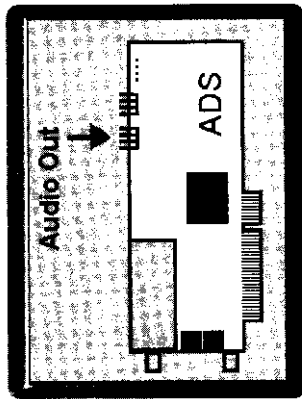
Step 1

Locate the audio patch cable as shown in the picture below



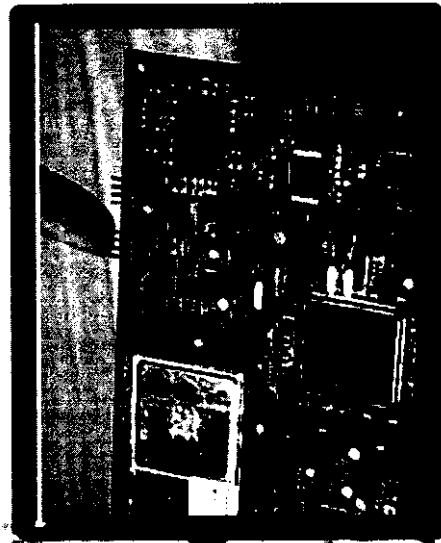
Step 2

Locate the **audio out** connector on the Channel Surfer TV. Compare your TV card with the TV card below.



Step 3

Connect one end of the audio patch cable to the audio out connector on the Channel Surfer TV as shown in the picture below.



Step 4

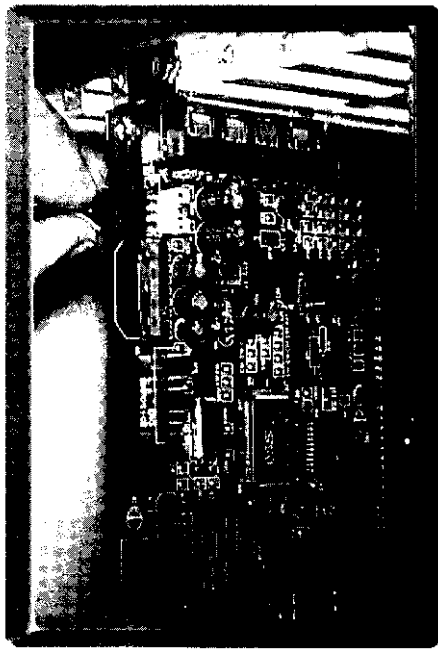
Locate the audio in on your sound card. It is typically found next to the external audio connectors.

NOTE: Please see your sound cards user manual for additional information.

Step 5

Connect the remaining end of the audio patch cable to the sound cards CD in or line in.

NOTE: The picture below is meant only as a reference photo. Your sound cards connections may vary. Please see your sound cards documentation to locate the line in or cd in.



Step 10

Replace the computers shell and screw it in place.



Step 11

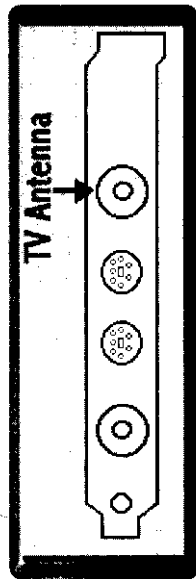
Now that your Channel Surfer TV card is installed and the shell is in place, you can safely connect the power cable and move on to the section titled "Connecting a Cable TV or Air Antennae" on the following page.

Connecting a Cable TV or Air Antenna

Connecting a cable TV or air antenna is basically the same. Please follow the step by step instructions below.

Step 1

Locate the coax connector for your cable TV or air antenna as shown in the picture below.



Step 2

Now that you have located it, attach the cable to the Channel Surfer TV as shown in the picture below.



Step 3

You may now proceed with the section titled "Connecting an FM Radio Antenna".*

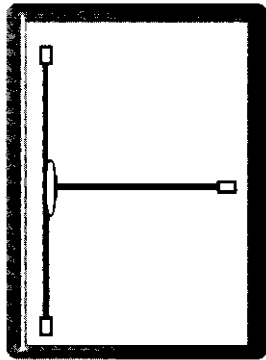
* These features are only included in the "Channel Surfer TV with FM radio."

Connecting an FM Radio Antenna*

To connect your FM radio antenna please follow the step by step instructions below.

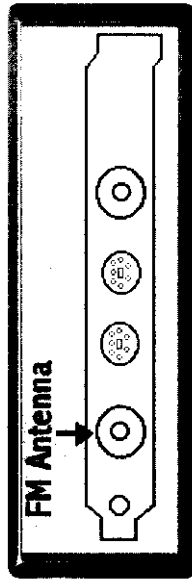
Step 1

Locate the FM Radio antennae. It should look something like the picture below.



Step 2

Locate the FM coax connector on the Channel Surfer TV as shown in the picture below.



Step 3

Now that you have located it, attach your FM antenna to the Channel Surfer TV as shown in the picture below.



* These features are only included in the "Channel Surfer TV with FM radio."

Step 4

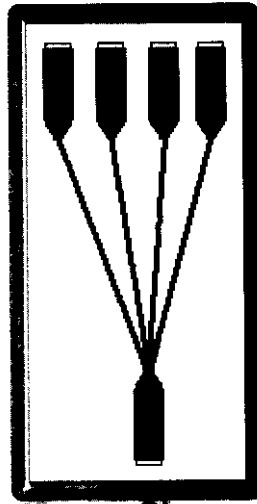
You may now proceed with the section titled "Connecting the AV Octopus Cable" below.

Connecting the AV Octopus Cable

To connect the AV Octopus cable to the A/V octopus port, please follow the step by step instructions below.

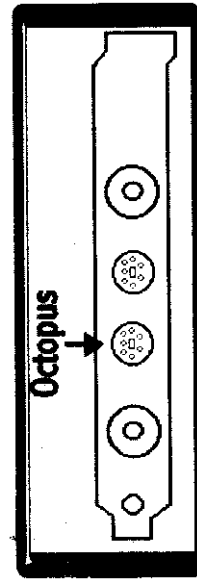
Step 1

Locate the AV Octopus cable. It should look like the picture below.



Step 2

Locate the A/V Octopus Port on the Channel Surfer TV as shown in the diagram below.



Step 3

Plug the AV Octopus cable into the A/V Octopus port on the Channel Surfer TV as shown in the picture below.



Step 4

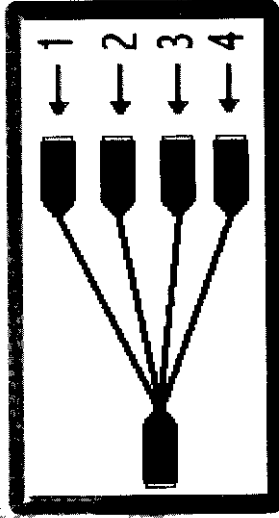
You are now finished with the AV Octopus Cable installation. To find out more about the octopus cable and how to connect to it see the heading "Connecting an External Video Source" below.

Connecting an External Video Source

We will first cover the use of the AV octopus cable followed by the S-Video port. Connecting an external video source is just like connecting your VCR to your TV or your video camera to your VCR.

The AV Octopus Cable Explained

Before we proceed with using the AV octopus cable we will define what each connector is used for. Please study the diagram on the following page before continuing with this section.



1. Composite video in. (Yellow)
2. Composite audio right in. (Red)
3. Composite audio left in. (White)
4. Audio out. (Black)

Connecting to the Octopus Cable

Composite Video In (Yellow)

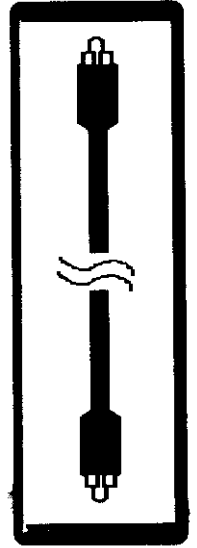
To make use of the octopus cables video in, please follow the step by step instructions below.

Step 1

Verify that the A/V octopus cable is installed correctly.

Step 2

You will need to obtain a composite video cable*. A composite video cable looks similar to the picture below.



* The composite video cable was not included with the Channel Surfing TV.

Step 3

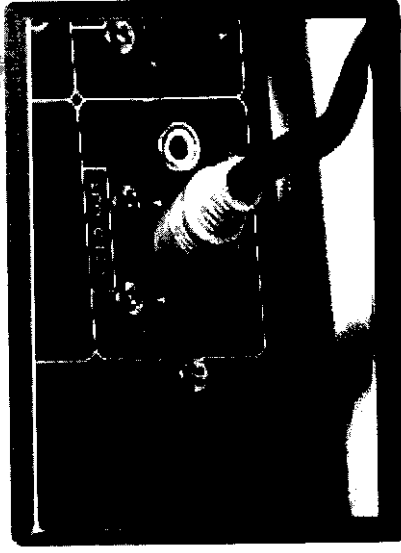
Connect one end to the A/V octopus cable as shown in the picture below.



Step 4

Connect the remaining end to your external video sources "video out" as shown in the picture below.

NOTE: In our example we will use a VCR, although you could use this procedure with any video device which has composite video out.



Step 5

The video portion of this installation is now complete. Move on to the audio section below titled "Composite Audio Left & Right".

Composite Audio Left & Right (White & Red)

To make use of the octopus cables audio in, please follow the step by step instructions below.

Step 1

Verify that the A/V octopus cable is installed correctly.

Step 2

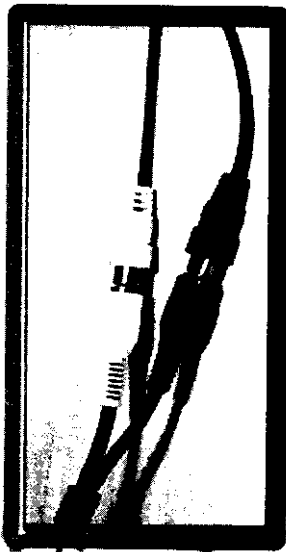
You will need to obtain a composite A/V cable.* It looks something like the picture below.



Step 3

Connect the composite A/V cable to the audio left and right on the A/V octopus cable as shown in the picture below.

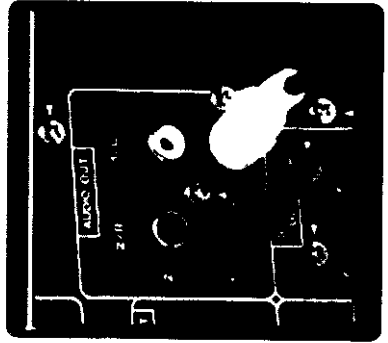
NOTE: *The red connector on the A/V octopus cable is for your right audio channel and the white connector is for the left audio channel.*



Step 4

Connect the remaining ends to your external video source "audio out (left & right)" as shown in the picture below.

NOTE: *In our example we will use a VCR, although you could use this procedure with any video device which has composite audio out.*



* The composite A/V cable was not included with the Channel Surfer TV.

Step 5

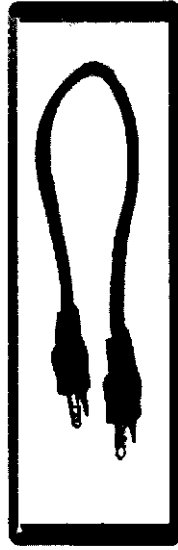
The installation for composite audio in is now complete. If you followed the previous instruction you should now be able to receive audio and video from a composite audio and video source.

Audio Out (Black)

The audio out on the A/V octopus cable covers many uses, such as connecting to your stereo, connecting to its own set of speakers, or looping to the audio line in on your sound card. To connect to a set of speakers simply plug them into the audio out cable. Since there are so many other variations we will only cover one. This should give you insight on connecting to different sources as all uses are basically the same. In our example we are going to run a cable to the sound cards audio in, in the event that you cannot connect internally.

Step 1

You will need to obtain a 1/8 inch male phono connector as shown in the picture below.*



Step 2

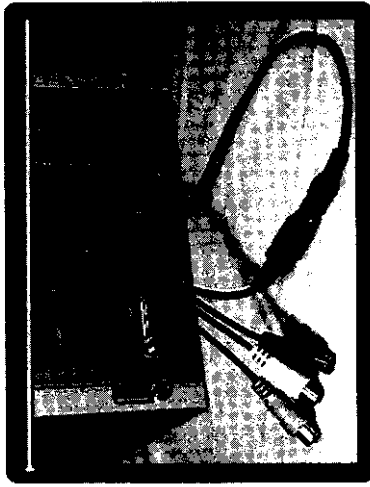
Connect one end to the audio out on the A/V octopus cable as shown in the picture below.



* The 1/8 inch male phono cable was not included with the Channel Surfer TV.

Step 3

Connect the remaining end into your sound cards line in as shown in the picture below.



Step 4

The audio out installation is now complete. Please proceed with the section below titled "The S-Video Port".

The S-Video Port

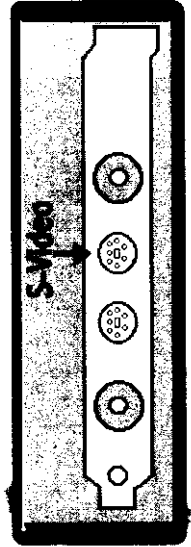
This section explains how to connect an external video source using the S-Video port. Though your external video source may vary, we will use the example of a VCR. Connecting an external video source using the S-Video port is essentially the same on all video capable devices.

Step 1

You will first need to obtain an S-Video cable. This cable typically is included in any video device you purchase.*

Step 2

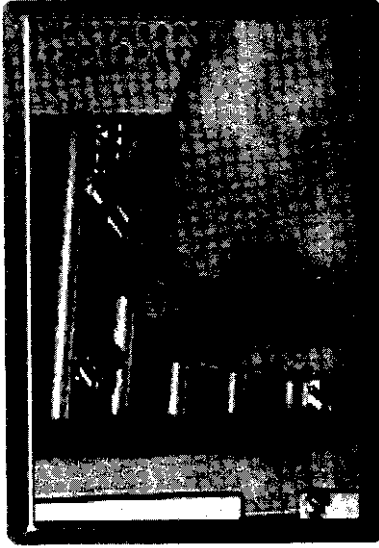
Locate the S-Video port on the Channel Surfer TV as shown in the diagram below.



* The S-Video cable was not included with the Channel Surfer TV.

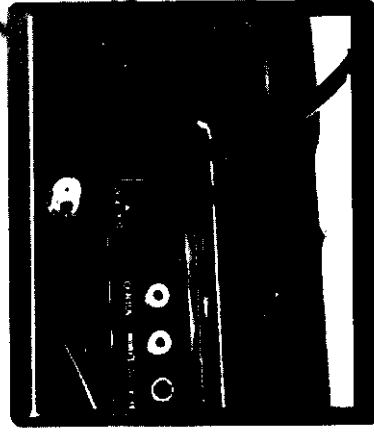
Step 3

Connect one end of the S-Video cable to the Channel Surfer TV as shown in the picture below.



Step 4

Connect the remaining end of the S-Video cable to the S-Video out on your external video source as shown in the picture below.



Step 5

To connect audio from your external video source please refer to page 27 under the section titled "Composite Audio Left & Right".

Step 6

Congratulations! The hardware installation of your Channel Surfer TV is now complete. You may now proceed with the software installation section on the following page titled "Software Installation".

Software Installation Guide

Installing the Channel Surfer TV Drivers

The Channel Surfer TV is a plug and play hardware device therefore Windows 95 will automatically detect your new hardware the first time your system boots up. You must first install the *hardware drivers*. If you do not install the software in the correct order, it may cause the Channel Surfer TV not to work properly. Windows 95 currently comes in 2 versions, Windows 95 and Windows 95 release B. To find out what version of windows you have, follow the step by step instructions found on page 117 titled "Which version of Windows 95 do I have?". If you have Windows 95 release B then skip to the Windows 95 release B driver installation guide. Otherwise continue with this section.

Windows 95 Driver Installation

Follow the proceeding steps for installation of the software drivers.

Step 1

Verify that all connections are correct.

Step 2

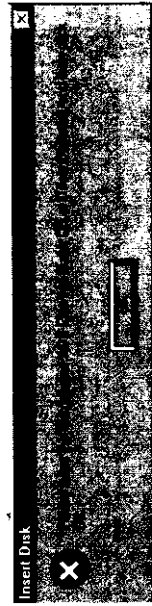
Power on your computer.

Step 3

When your computer enters Windows 95, it will automatically detect there is new hardware installed.

Step 4

Windows will now ask for the driver disk as shown below.



Step 5

Insert the Channel Surfer TV CD into your CD ROM drive.

Step 6

Click on the "OK" button to proceed with the driver installation.

Step 7

The drivers will now be installed on to your system.

Step 8

You may now proceed to the software interface installation.

Windows 95 Release B Driver Installation

Installing the Channel Surfer TV Drivers

Follow the proceeding step by step instructions for installation of the software drivers for Windows 95 release B on the proceeding page.

Step 1

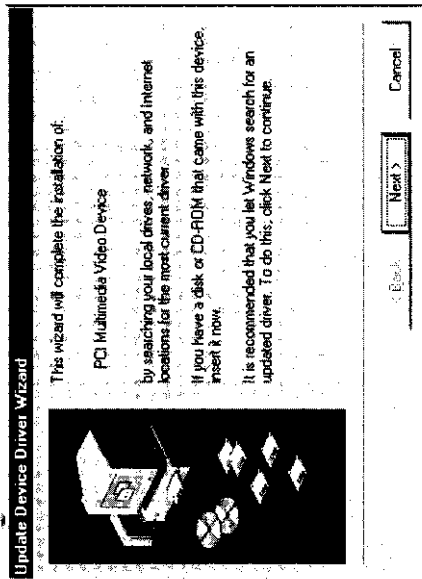
Verify that all connections are correct.

Step 2

Power on your computer.

Step 3

When your computer enters Windows 95 Release B, it will automatically detect there is new hardware installed as shown in the picture on the following page.



Step 4

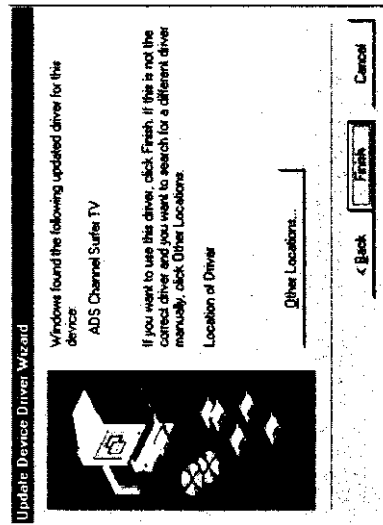
Insert the Channel Surfer TV CD into your CD-ROM drive.

Step 5

Now left mouse click one time on the button that says "Next". Windows will now automatically search all drives for the driver information.

Step 6

Windows will find the driver information on your CD drive. You should see something like the picture below.



Step 7

Take a moment to verify that the path is correct.

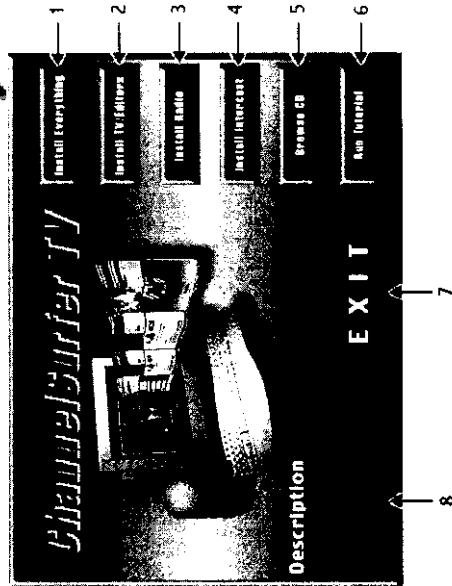
Step 8

Left mouse click one time on the "Finish" button to install the drivers on to your system as shown in the picture below.

Step 9

You may now proceed to the software interface installation.

Channel Surfer TV Software Interface Installation



- 1. Install Everything
- 2. Install TV and Editors
- 3. Install Radio Software
- 4. Install Intel Intercast
- 5. Browse CD
- 6. Run Tutorial
- 7. Exit
- 8. Description

1. Install Everything

Install Everything

The install everything button will install all applications. This includes the TV and Editors, Intel Intercast, Intel Smart Guide, and the Radio Software.

2. Install TV and Editors

Install TV/Editors

The install TV and editors button will start the install program for the TV software and editors only.

3. Install Radio Software

Install Radio

The install radio button will start the install program for the Radio software only.

4. Install Intel Intercast

Install Intercast

The install Intercast button will start the install program for the Intel Intercast application only.

5. Browse CD

Browse CD

The browse CD button will open Windows Explorer so you can browse through the Channel Surfer TV CD.

6. Run Tutorial

Run Tutorial

The run tutorial button will launch the on-line tutorial which includes video's on installing and using your Channel Surfer TV.

7. Exit

EXIT

The exit button will exit the autorun application.

8. Description

Description

The description area will display detailed information of each button as your cursor moves over them.

The Software Installation Step By Step Instructions

Step 1

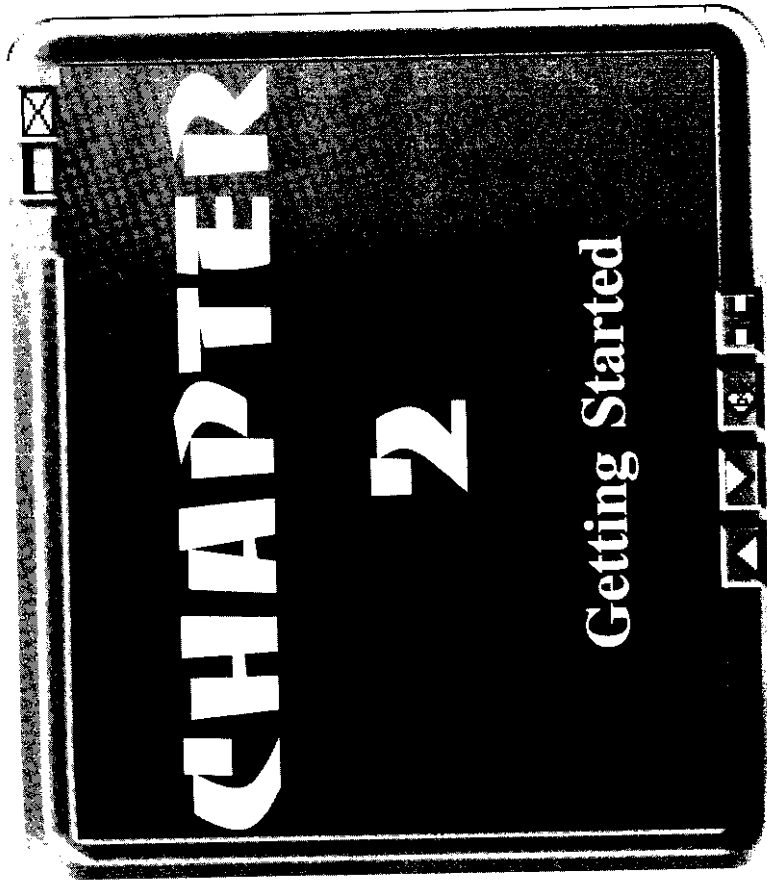
Insert the Channel Surfer CD into your CD-ROM drive.

Step 2

You will now see the autostart window. Move your cursor over each button and look in the description window so you may make the proper selection.

Step 3

Left mouse click on the button that best suits your needs and follow the on-screen directions.



Getting Started

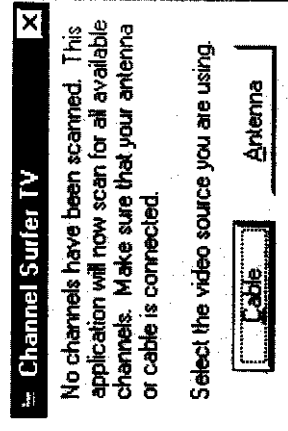


The First Time You Start Channel Surfer TV

Now that you have installed the Channel Surfer TV software, lets go over a few key steps to get you watching TV.

Scanning for Available Channels

The first time you run the Channel Surfer TV application it will scan for all available channels. You will see a message pop-up telling you no channels have been scanned for. You will then left mouse click one time on the correct antenna option, whether it be cable TV or an air antenna. The message box looks like the picture below.



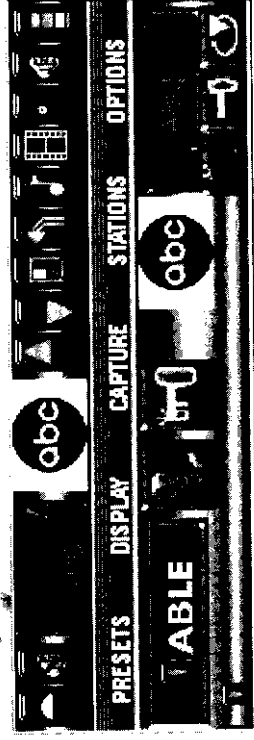
You will then get a message informing you that the channel scan is complete. Please move forward to station setup.

TV Station Setup


Now that the Channel Surfer TV has logged all the stations in your area, you can set your preferences for each station.

Step 1

Left mouse click on the **STATIONS** tab. The stations window will slide out from under the main Channel Surfer TV window as shown in the picture below.




Step 2

The channel select slide bar is the bar at the bottom of the stations window. It allows you to choose which channel you would like to setup. To select the desired station, move your cursor over the slider button  where the channel select bar is located. Hold down the left mouse button and slide the slider button to the left to decrease the station number or to the right to increase the station number. Now release the left mouse button when you have the channel you would like to adjust settings for.

Example

Let's set up channel 7. In our area channel 7 is an ABC station.

Step 1

Slide the channel selection button so that channel 7 is displayed in the small current channel window. 

Step 2

Click on the logo window and select the ABC icon from the dialog box. Now ABC should be displayed in the TV logo box.

Step 3

Now left mouse click on the station name box  and type in ABC.

Step 4

Now the ABC logo and the ABC name will appear on the TV task bar when you tune to channel 7.

NOTE: You can advance channels by holding down the control (ctrl) button and pressing the left or right arrow keys on your keyboard to make the slider button advance and decrease. For other HOTKEY tips, see the quick guide.

Station Enable/Disable

Channel Surfer TV will automatically add stations to your viewable channel list when you do an available channel scan. However, you can enable or disable channels manually.

Step 1

Use the channel select slide bar to select the desired channel.

Step 2

Left mouse click one time on the channel enable button to enable or disable the channel.



This is what the channel enable button will look like when the channel is enabled.



This is what the channel enable button will look like when the channel is *not* enabled.

Parental Control

The small key icon is to lock our individual channels for parental control.



This is what the parental control button will look like when parental control is enabled.



This is what the parental control button will look like when parental control is *not* enabled.



Use the large key button to set the parental control password.

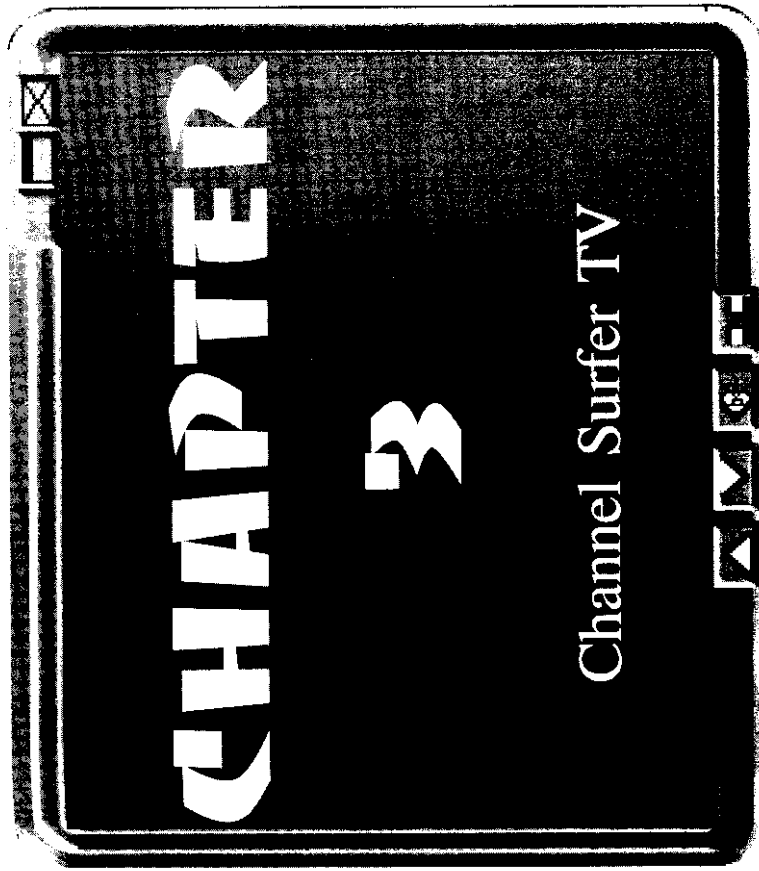
NOTE: For more information on this see the section on parental control on page 67.

The Task Bar Concept

The Channel Surfer TV interface uses a new concept called the "Floating Task Bar". The idea of the task bar is that the most often used controls are located right on the small task bar interface. The taskbar takes up less screen space than other types of interfaces. The taskbar is movable, just drag and drop it anyplace on the screen. The taskbar is also dockable.

What is a "dockable" task bar? Dockable means that you can drag and drop the task bar to the top or the bottom of the computer screen and it will stay docked to the screen and it will stay docked to the screen and all applications will make room for the interface.

You can also set the task bar to "auto-hide". This is the cool part. Dock the task bar to the top of the computer screen. Under the options tab, click on the auto-hide button. Now the task bar will slide up and disappear when you move your mouse away from the task bar. The task bar will slide back into view when move your mouse cursor to the top of the screen where the task bar has been docked. The task bar interface will then only be present when you want to use it, maximizing screen space.



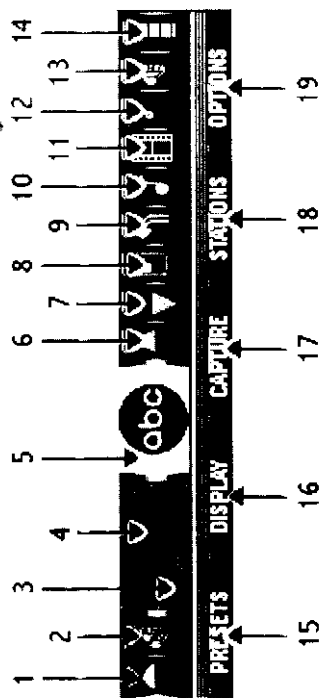
The Channel Surfer TV Interface



The Channel Surfer TV Interface Explained

This chapter will explain how to use the Channel Surfer TV's main interface. It is recommended you read this portion so that you can have a greater understanding of the interface. We will try to make this process as painless as possible.

The Main Interface



- 1. Power
- 2. Mute
- 3. Station Call Sign
- 4. Channel Number
- 5. Station Logo
- 6. Channel Up
- 7. Channel Down
- 8. Preview Scan
- 9. Previous Station
- 10. Audio Capture
- 11. Still Image Capture
- 12. Video Capture
- 13. Mixer
- 14. Intel Smart Guide™
- 15. Channel Presets
- 16. Display Settings
- 17. Capture Settings
- 18. Station Settings
- 19. Options

1. Power Button

By clicking on the power button one time you will close the Channel Surfer TV interface.

2. Mute Blitton

When you click on the mute button it will toggle the sound of the Channel Surfer TV on and off.



This is what the mute button will look like when the Channel Surfer TV is muted.



This is what the mute button will look like when the Channel Surfer TV is not muted.

3. Station Call Sign

This area of the Channel Surfer TV displays the call sign for the channel you are currently tuned to.

4. Channel Number

This area of the Channel Surfer TV displays the number for the channel you are currently tuned to.

5. Station Logo

This area of the Channel Surfer TV displays the station logo for the channel you are currently tuned to.

6. Channel Up Button

By clicking on the channel up button one time you will tune to the next higher available channel.

7. Channel Down Button

By clicking on the channel down button one time you will tune to the next lower available channel.

8. Preview Scan Button

By clicking on the preview scan button one time the Channel Surfer TV will close the normal TV window and automatically scan through all available channels in a 16 channel preview window.

Follow the step by step instructions below.

Step 1

Click on the preview button one time. This will close the normal TV window and open the preview scan window as shown in the picture below




Step 2

Click on one of the channels in the preview scan window. This will close the preview scan window and open the normal TV window tuning to the channel which you had selected.

Step 3

You have two other options to close the preview scan window and return to the normal TV window.

1. Click on the  in the top right hand corner.
2. Click the preview scan button a second time.

9. Previous Station Button

By clicking on the previous station button you will toggle between the channel you are currently tuned to and to the last channel you were tuned to.

10. Audio Capture Button

The audio capture button records the TV or videos' audio only. It records the audio in the form of a wave file.

Follow the step by step instructions below.

Step 1

Click on the audio capture button one time. This will start the recording process.

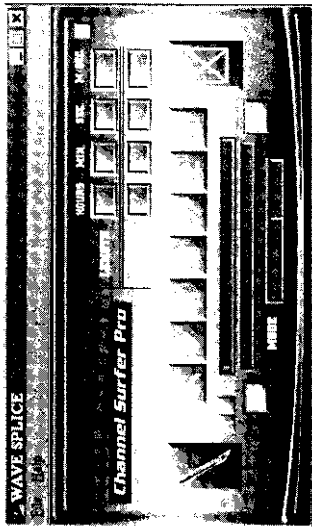
Step 2

Click on the audio capture button a second time to stop recording. The Wave Splice application will automatically start. For every audio capture you make a new instance of Wave Splice will start.

Step 3

From this point you will be able to save, edit, delete, and name your wave file. The Wave Splice application looks like the picture on the following page.

NOTE: If you close the Wave Splice application without saving your audio file, it will automatically be deleted.

**11. Still Image Capture Button**

The still image capture button captures a single frame of video initially in the form of a bitmap.

Follow the step by step instructions below.

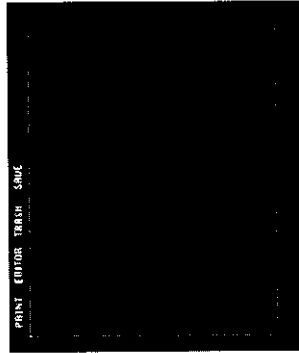
Step 1

Click on the still image capture button one time. You will now see the video format window where you can choose what size and color format you would like to save your capture in. The video format window looks like the picture below.



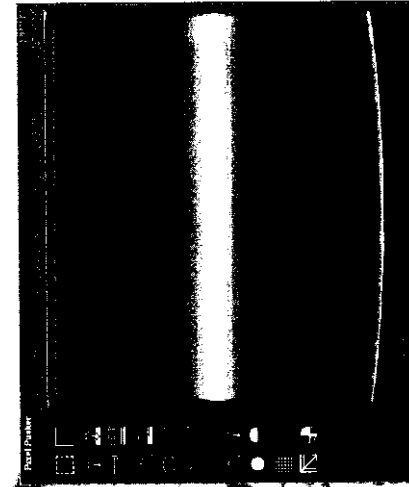
Step 2

Once you have chosen a color format and capture size your image then the image preview window will appear with the picture you have just captured. You will be able to save your image file in a format other than bitmap if you desire. You will also be able to trash the image, open the Pixel Pusher application, or print the picture. The preview window looks like the picture below.

**Step 3**

If you choose to open the Pixel Pusher application you will be able to edit, adjust, name or delete your picture. The pixel pusher application looks like the picture below.

NOTE: If you close the Preview Window or the Pixel Pusher application without saving your image file it will automatically be deleted.

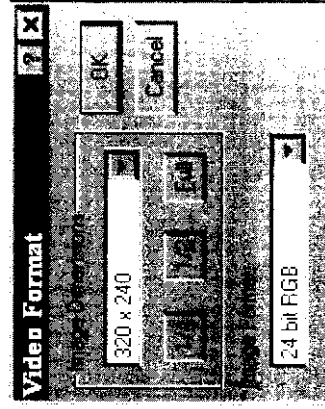
**12. Video Capture Button**

The video capture button captures full motion video in the form of an avi.

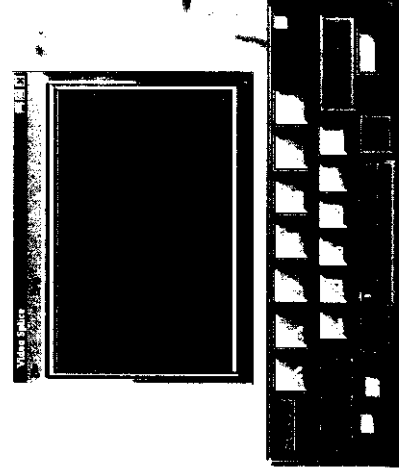
Follow the step by step instructions below.

Step 1

Click on the video capture button one time. You will now see the video format window where you can choose the color format and size of the video capture. The video format window looks like the picture below. Once you have chosen your settings the video capture will start automatically.

**Step 2**

Click on the video capture button a second time. This will end the capture process and automatically start the Video Splice application. The Video Splice application looks like the picture below.



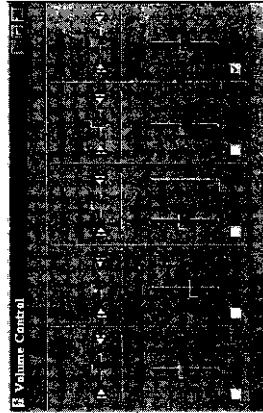
Step 3

From this point you will be able to save, edit, delete, and name your full motion video file.

NOTE: If you close the Video Splice application without saving your full motion video file it will automatically be deleted.

13. Mixer Button

By clicking on the mixer button you will launch your sound mixer so you may adjust volume levels. Your mixer settings and interface may vary but it should look similar to the picture below.

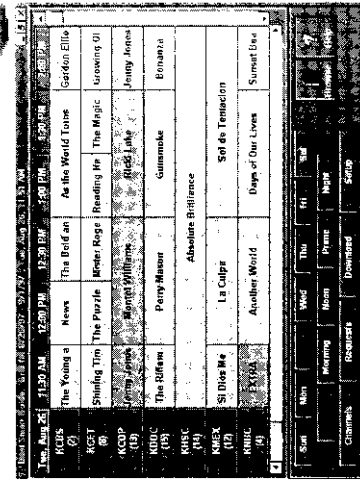


14. Intel Smart Guide™ Button

When you click on the Intel Smart Guide™ button it will launch the Intel Smart Guide™ interface.

NOTE: This will only launch the application if you have installed the Intel Smart Guide™.

To launch Intel Smart Guide™ simply left mouse click one time on the Intel Smart Guide™ button. You will now see the Intel Smart Guide™ application as shown in the picture on the following page.



15. Channel Presets Tab PRESETS

When you click on the channel presets tab the channel preset window will slide out from under the main Channel Surfer TV window. From here you will be able to setup your channel presets and access your favorite channels in just a click. The channel presets window looks like the picture below.



16. Display Settings Tab DISPLAY

When you click on the display settings tab the display settings window will slide out from under the main Channel Surfer TV window. From here you will be able to setup color, hue, contrast, brightness, TV window size, TV signal format, on top for the TV window, and maintain aspect ratio for the TV window. The display settings property window looks like the picture below.



17. Capture Settings Tab **CAPTURE**

When you click on the capture settings tab, the capture settings window will slide out from under the main Channel Surfer TV window. From here you will be able to setup the settings for the capture process such as audio quality, color format, frames per second, capture time, buffer drive, and buffer file size. The capture settings window looks like the picture below.



18. Station Settings Tab **STATIONS**

When you click on the station settings tab, the station settings window will slide out from under the main Channel Surfer TV window. From here you will be able to setup the input source, channel scan, set a password for parental control, channel image, channel name, and enable or disable a channel. The station settings window looks like the picture below.



19. Options Tab **OPTIONS**

When you click on the options tab, the options window will slide out from under the main Channel Surfer TV window. From here you will be able to setup closed captioning, auto help for the main Channel Surfer TV pop-up help, and always on top for the main Channel Surfer TV bar. You will also be able to skip the buffer file for an avi capture to increase capture processing speed.



The Preset Window

This section will explain the preset window. From the preset window you will be able to save and access your favorite channels.

The preset window looks like the picture below.



Saving and Tuning to a Favorite Station

To save a favorite station follow the steps below.

STEP 1

Tune to a favorite station you would like to save as one of your station preset buttons.

STEP 2

Click on the **PRESETS** tab. The preset window will slide out from under the main Channel Surfer TV window as shown in the picture below.



STEP 3

Move your cursor over the preset button you would like to use.

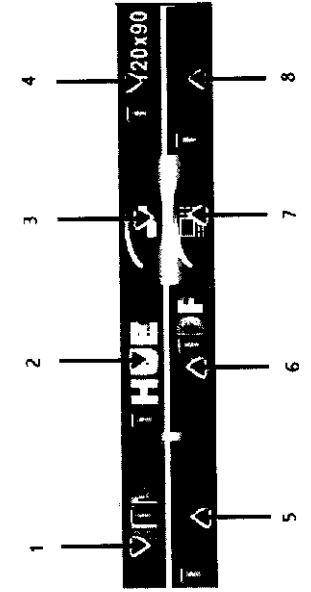
STEP 4

Right click on the button you have chosen as a preset for the current channel you are tuned to.

STEP 5

Now to tune to that station simply left click on the preset button.

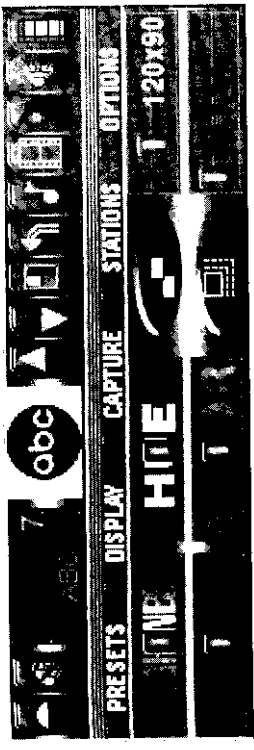
The Display Window



1. Brightness Adjustment
2. Hue Adjustment
3. Always On Top Setting
4. Size Adjustment
5. Contrast Adjustment
6. Color Adjustment
7. Maintain Aspect Ratio Setting
8. Format Setting

Accessing the Display Window

To access the display window left mouse click on the **DISPLAY** tab. The display window will slide out from under the main Channel Surfer TV window as shown in the picture on the following page.



1. Brightness Adjustment


To adjust your TV pictures brightness level, move your mouse cursor over the slider button **1** where it says brightness. Hold down the left mouse button and slide the slider button to the left to *decrease* the brightness level or right to *increase* the brightness level. Now release the left mouse button when you have the brightness level desired.


2. Hue Adjustment

To adjust your TV pictures hue level, move your mouse cursor over the slider button **2** where it says hue. Hold down the left mouse button and slide the slider button to the left to *increase the green hue level* or to the right to *increase the red hue level*. Now release the left mouse button when you have the hue level desired.


3. Always On Top Setting

When you set your TV window to always on top, it will be on top of any application you run. Left mouse click on the always on top button one time to set it to remain on top of all applications.


 This is what the always on top button will look like when the TV window is set to always on top.

 This is what the always on top button will look like when the TV window is *not* set to always on top.


4. Size Adjustment 120x90

The size option will allow you to adjust your main TV windows size. To adjust your main TV pictures size, move your mouse cursor over the slider button  where it says size. Hold down the left mouse button and slide the slider button to the left to decrease the TV picture size or to the right to increase the TV picture size. Now release the left mouse button when you have the TV picture size desired.

5. Contrast Adjustment

The contrast option will allow you to adjust the TV's contrast level. To adjust your main TV pictures contrast level, move your mouse cursor over the slider button where it  says contrast. Hold down the left mouse button and slide the slider button to the left to decrease the TV's contrast level or to the right to increase the TV's contrast level. Now release the left mouse button when you have the contrast level desired.

6. Color Adjustment

The color option will allow you to adjust the TV's color level. To adjust your TV pictures color level, move your mouse cursor over the slider button  where it says color. Hold down the left mouse button and slide the slider button to the left to decrease the TV's color level or to the right to increase the TV's color level. Now release the left mouse button when you have the color level desired.


7. Maintain Aspect Ratio Setting

When you set your TV window to maintain its aspect ratio, the picture will automatically adjust its size to preserve the picture's size integrity, otherwise the picture will stretch to fit whatever size you have chosen. To set the TV to maintain its aspect ratio simply left mouse click one time on the maintain aspect ratio button.

This is what the maintain aspect ratio button will look like when the TV window is set to always on top.

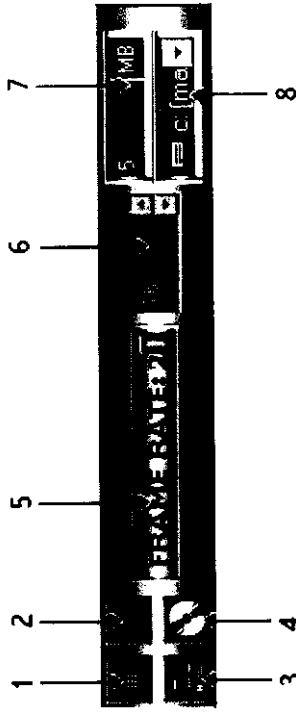
This is what the maintain aspect ratio button will look like when the TV window is *not* set to always on top.

8. Format Setting

The format option will allow you to adjust the TV format. To adjust the TV format, move your mouse cursor over the slider button  where it says format. Hold down the left mouse button and slide the slider button to the left and to the right until you see the correct format for the country you live in. Now release the left mouse button when you have the contrast level desired.

NOTE: The United States uses the NTSC format which is where the Channel Surfer TV defaults to. If you do not use the NTSC format choose the one which complies with your countries format.

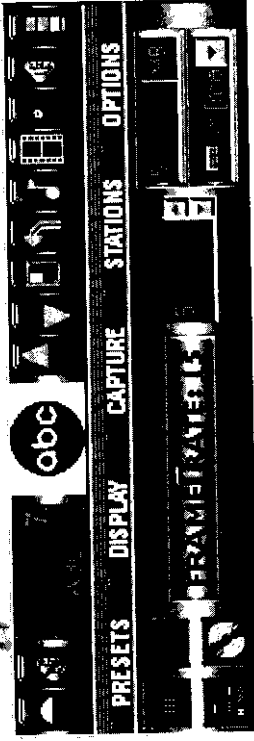
The Capture Window



1. Telephone Quality Mono
2. Radio Quality Mono
3. Radio Quality Stereo
4. CD Quality Stereo
5. Frames Per Second
6. Capture Duration
7. Buffer Size
8. Buffer Drive

Accessing the Capture Window

To access the capture window left mouse click on the **CAPTURE** tab. The capture window will slide out from under the main Channel Surfer TV window as shown in the picture below.



1. Telephone Mono (11,025Hz 8 Bits)

To set the recording quality to telephone mono, simply left mouse click one time on the telephone quality button.

NOTE: If no recording quality is selected then the video capture will record without sound.



This is what the telephone mono quality button will look like when the telephone mono quality is *not* selected.



This is what the telephone mono quality button will look like when the telephone mono quality is selected.

2. Radio Mono (22,050Hz 8 Bits)

To set the recording quality to radio mono, simply left mouse click on the radio mono button one time.

NOTE: If no recording quality is selected then the video capture will record without sound.



This is what the radio mono quality button will look like when the radio mono quality is *not* selected.



This is what the radio mono quality button will look like when the radio mono quality is selected.

3. Radio Stereo (22,050Hz 8 Bits)

To set the recording quality to radio stereo, simply left mouse click one time on the radio stereo button.

NOTE: If no recording quality is selected then the video capture will record without sound.



This is what the radio stereo quality button will look like when the radio stereo quality is *not* selected.



This is what the radio stereo quality button will look like when the radio stereo quality is selected.

4. CD Stereo (44,100Hz 16 Bits)

To set the recording quality to CD stereo, simply left mouse click one time on the CD stereo button.

NOTE: If no recording quality is selected then the video capture will record without sound.




This is what the radio stereo quality button will look like when the CD stereo quality is *not* selected.



This is what the radio stereo quality button will look like when the CD stereo quality is selected.


5. Frames Per Second

The frames per second setting will allow you to set how many frames per second you want captured in a full motion video capture. You will be able to capture 1 - 30 frames per second.

To set the amount of frames per second for your full motion video capture, move your mouse cursor over the slider button  where it says frame rate. Hold down the left mouse button and slide the slider button to the left to decrease the amount of frames per second or to the right to increase the amount of frames per second.

NOTE: The higher the amount of frames per second captured, the higher the quality of the capture will be, thus more hard drive space will be used.



6. Buffer Drive

The buffer drive setting allows you to choose which drive you would like to place your capture buffer file. The buffer file is the temporary file used for your capture. To set the buffer drive for your audio or video capture, left mouse click on the down button  located inside the buffer drive box. A drop down box will appear so you can choose a drive letter for your file, as shown in the picture on the following page.



7. Capture Duration


The capture duration setting allows you to select a maximum time limit for a full motion video capture. The duration setting is measured in seconds. You are allowed a range from 1 to 3,600 seconds.

To set the capture duration for your full motion video capture, left mouse click on the up button  to increase the duration time or click on the down button  to decrease the duration time of your full motion video capture. You can also type in the amount of seconds you wish the capture duration to be.

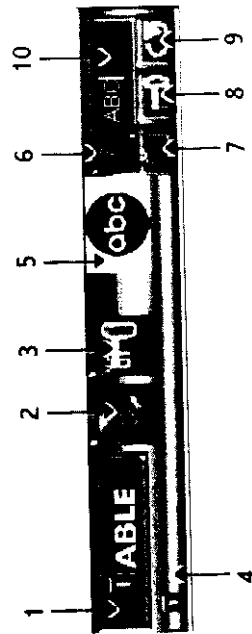
NOTE: The longer the amount of time used for a capture, the more hard drive space will be used.

8. Buffer Size

The buffer size setting allows you to choose the maximum size of your buffer file. The buffer file is the temporary file used for your capture. The buffer file size number is in megabytes.

To set the buffer size for your audio or video capture, left mouse click on the buffer size area . Type in the maximum size you would like the buffer file to be.

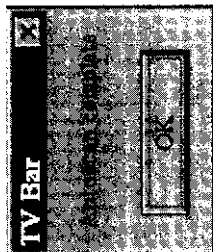
The Stations Window



1. Input Source
2. Available Channel Scan
3. Set Parental Control Password
4. Channel Select Bar
5. Current Channel Logo
6. Current Channel Number
7. Channel Enable/Disable
8. Parental Control Enable/Disable
9. In Preview Scan
10. Channel Name

2. Available Channel Scan

The available station scan button will scan all stations and enable any that are valid. To scan for all available stations left mouse click one time on the available station scan button. The TV window will change channels rapidly as it scans for all valid stations. When the available station scan has completed you will get a message as shown in the picture below.



This is what the available station scan button will look like when it is *not* scanning for available stations.



This is what the available station scan button will look like when it is scanning for available stations.



3. Set Parental Control Password

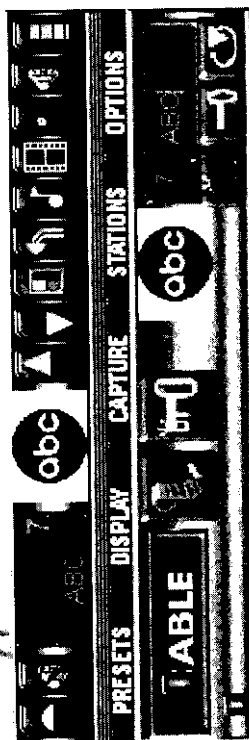
The set parental control password button will allow you to create a password for parental control. With the password enabled you can choose a desired channel and lock it with the password you chose. To set your password follow the step by step instructions below.

STEP 1

Left mouse click one time on the set parental control password button.

Accessing the Stations Window

To access the stations window left mouse click on the **STATIONS** tab. The stations window will slide out from under the main Channel Surfer TV window as shown in the picture below.



1. Input Source

The input source selector will allow you to select what source you want to view from. You can choose between 4 formats.

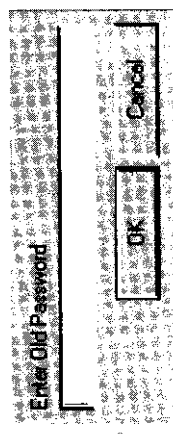
1. Air Antenna
2. Cable TV
3. A/V (Composite Video)
4. S-Video

To select your input source, move your mouse cursor over the slider button where it says cable (it may say air, A/V, or s-video depending on its current settings). Hold down the left mouse button and slide the slider button to the left or to the right to change the video source. Now release the left mouse button when you have the video source you desire.

NOTE: If you close the Channel Surfer TV application before resetting your input source back to air antenna or cable TV antenna, the Channel Surfer TV will default to cable TV.

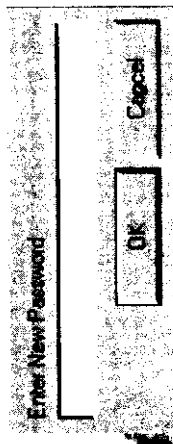
STEP 2

You will now see a box that says enter old password. If you have never entered a password **DO NOT TYPE ANYTHING** just click on the OK button one time. If you have set the password before, type it now otherwise you will get a message box that says invalid password.



STEP 3

You will now see a box that says enter new password as shown in the picture below. You may now type in your desired password.



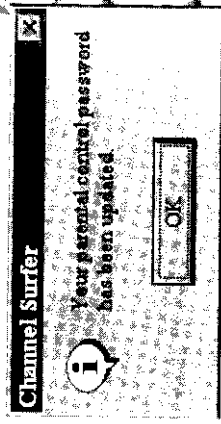
STEP 4

You will now see a box that says confirm new password as shown in the picture below. You may now retype the password you have chosen.



STEP 5

You will now see a message box informing you that your new password has been set as shown in the picture below.



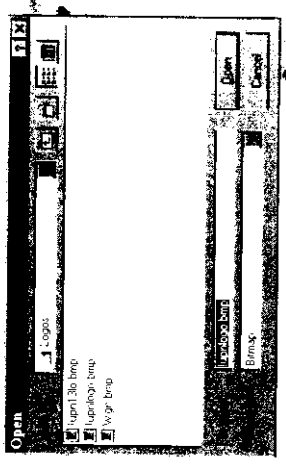
4. Channel Select Bar

The channel select slide bar allows you to choose which channel you would like to setup. To select the desired station, move your cursor over the slider button where the channel select bar is located. Hold down the left mouse button and slide the slider button to the left to decrease the station number or to the right to increase the station number. Now release the left mouse button when you have the channel you would like to adjust settings for.



5. Channel Logo*

The channel logo section will allow you to assign a graphic to the current setup station. To assign a graphic or a logo, left mouse click one time on the logo area. You will now see a file browsing window as shown in the picture below. Locate the graphic file you wish to use and either double click on the file or left mouse click on open. This will return you to the station window with your graphic file displayed in the logo box. Simply right mouse click one time over the graphic to remove it.



* For channel logo updates visit the ADS web site at www.adstech.com

9. In Preview Scan

The preview scan button will allow you to add or remove an enabled station from the channel preview list. To enable or disable a preview station, left mouse click one time on the preview scan button.



This is what the preview scan button will look like when preview scan is enabled.



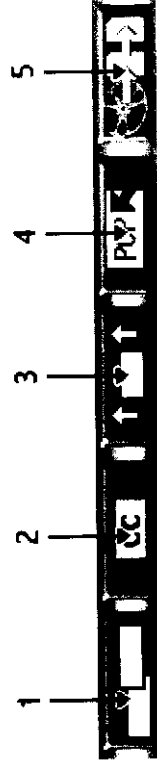
This is what the preview scan button will look like when preview scan is *not* enabled.

10. Channel Name

The channel name selection will allow you to type in text and name your channel. It will be displayed in the channel name window on the main Channel Surfer TV window when you tune to that channel. To set the channel name, left mouse click one time on the channel name section. Now simply type in the current channels name.

NOTE: You have a maximum length of ten characters.

The Options Window



1. Always On Top
2. Closed Caption
3. Auto Hide
4. Pop-Up Help
5. Buffer File Enable/Disable

6. Current Channel Number

The current channel number displays the channel you are currently adjusting settings for.

7. Channel Enable/Disable

The channel enable button allows you to enable or disable a channel from your available channel list. With the button in disabled mode you will only be able to direct tune to that channel. With the button in enabled mode you will be able to tune to that channel using your channel up and channel down buttons. To enable or disable a station, left mouse click one time on the channel enable button.



This is what the station enable button will look like when the channel is enabled.



This is what the station enable button will look like when the channel is *not* enabled.

8. Parental Control Enable/Disable

The parental control button will allow you to enable or disable parental control for each specific station once you have set the parental control password as discussed earlier in this section. To enable or disable the parental control password, left mouse click one time on the parental control button to enable or disable parental control.



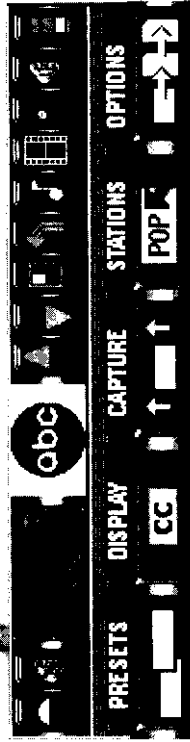
This is what the parental control button will look like when parental control is enabled.



This is what the parental control button will look like when parental control is *not* enabled.

Accessing the Options Window

To access the options window left mouse click on the **OPTIONS** tab. The options window will slide out from under the main Channel Surfer TV window as shown in the picture below.



1. Always On Top

The always on top function in the options window will enable or disable the main Channel Surfer TV bar to always remain on top of all windows. To enable or disable the always on top selection for your Channel Surfer TV bar, left mouse click on the always on top button one time.



This is what the always on top button will look like when always on top is enabled.



This is what the always on top button will look like when always on top is not enabled.

2. Closed Caption

The closed caption option will allow you to enable or disable closed caption. To enable or disable closed caption, left mouse click one time on the closed caption button.



This is what the closed caption button will look like when closed caption is enabled.



This is what the closed caption button will look like when closed caption is not enabled.

3. Auto Hide



The auto hide option will allow you to make the main Channel Surfer TV bar slide in and out of the screen when the application is docked to the top or bottom of your screen.

When the TV bar is hidden, simply move your cursor to the top or bottom of the screen where the Channel Surfer TV bar is hidden and it will automatically slide into view. To set the Channel Surfer TV bar to auto hide, left mouse click one time on the auto hide button.



This is what the auto hide button will look like when auto hide is enabled.



This is what the auto hide button will look like when auto hide is not enabled.

4. Pop-Up Help



The pop-up help option will allow you to receive pop-up help when the cursor is on top of any of the buttons or text fields. This will allow you to learn quickly what each button is for. To enable or disable pop-up help, left mouse click one time on the pop-up help button.



This is what the pop-up help button will look like when pop-up help is enabled.



This is what the pop-up help button will look like when pop-up help is not enabled.

5. Buffer File Enable/Disable



The buffer file enable button will allow you to enable or disable the use of a buffer file for your avi captures. When you use an avi buffer the process time is longer, although you may receive a higher frame rate. If you choose not to use a buffer file the process time would shorten greatly but you may also have a lower frame rate. To enable or disable the buffer file feature, left mouse click one time on the buffer file button.

NOTE: The lower frame rate mentioned varies greatly from computer to computer and either setting may not have any affect on your systems capturing performance.

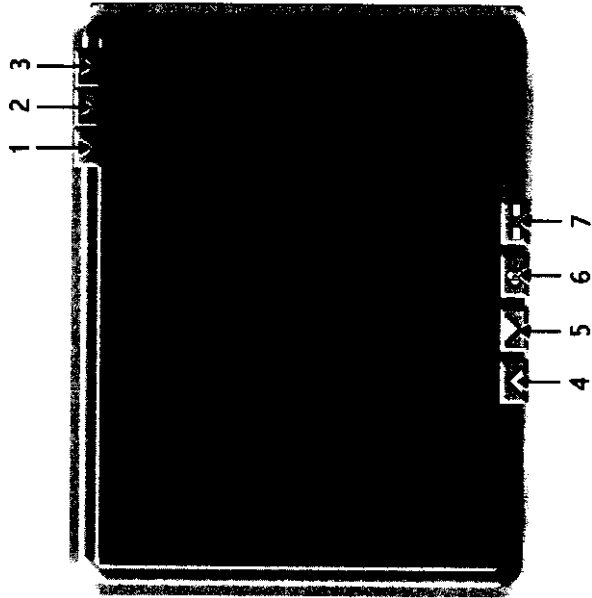


This is what the buffer file button will look like when the TV captures to a memory buffer file.



This is what the buffer file button will look like when the TV captures directly to hard disk.

The Main TV Window



- 1. Minimize
- 2. Full Screen
- 3. Exit Program
- 4. Channel Up
- 5. Channel Down
- 6. Mixer
- 7. Dock to TV bar

1. Minimize



The minimize button will hide the Channel Surfer TV window and TV bar. To minimize simply left mouse click one time on the minimize button. To restore the Channel Surfer TV application left mouse click one time on the Channel Surfer TV tray icon as shown in the picture below.



2. Full Screen



The full screen button will allow you to view TV at borderless full screen. Simply left mouse click one time on the full screen button to view TV at full screen. To return to your previous setting simply left mouse click one time on the slide bar TV's restore button.

3. Exit Program



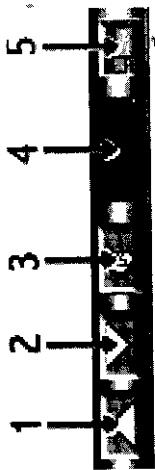
The exit program function will close the Channel Surfer TV application. Simply left mouse click on the exit program button one time.

4. Channel Up



The channel up button will tune the station to the next higher available channel. Simply left mouse click one time on the channel up button.

The Full Screen Quick Bar



The quick bar appears automatically in your upper right hand corner in auto hide mode when you are viewing the TV at full screen. Move your mouse cursor to the top right hand corner of your screen and it will slide into view. Below are the functions of the quick bar application.

- 1. Channel Up
- 2. Channel Down
- 3. Mixer
- 4. Current Channel
- 5. Restore Windowed TV

1. Channel Up

The channel up button will tune the station to the next higher available channel. Simply left mouse click one time on the channel up button.

2. Channel Down

The channel down button will tune the station to the next lower available channel. Simply left mouse click one time on the channel down button.

3. Mixer

The mixer button will launch your system mixer so you may adjust your volume and other sound settings. To launch your mixer simply left mouse click one time on the mixer button.

5. Channel Down

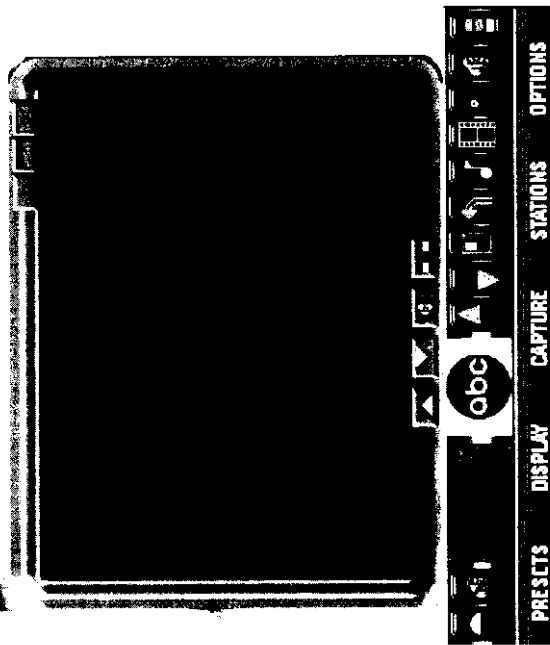
The channel down button will tune the station to the next lower available channel. Simply left mouse click one time on the channel down button.

6. Mixer

The mixer button will launch your system mixer so you may adjust your volume and other sound settings. To launch your mixer simply left mouse click one time on the mixer button.

7. Dock to TV Bar

The dock to TV bar button will dock the TV bar to the TV window. To dock the TV bar to the TV window simply left mouse click one time on the dock to TV bar button. The Channel Surfer TV application will look like the picture on the following page.



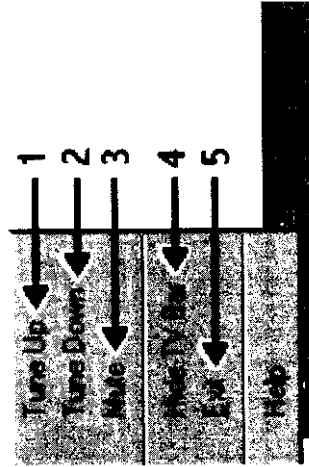
4. Current Channel

This area of the full screen quick bar tells you the channel number you are currently tuned to.

5. Restore Windowed TV

The restore windowed TV button will switch from full screen TV back to your previous windowed size. To return to normal windowed TV, simply left mouse click one time on the restore windowed TV button.

The Channel Surfer TV Tray Icon



The Channel Surfer TV tray icon gives the added convenience of normal TV functions. The tray icon sits in the tray of your Windows 95 task bar as shown in the picture above. Each of these functions are explained below.

1. Tune Up
2. Tune Down
3. Mute
4. Hide TV Bar
5. Exit

1. Tune Up

The tune up function will tune the station to the next higher available channel. Simply left mouse click one time on the Channel Surfer TV tray icon, then left mouse click one time on the section that says channel up.

2. Tune Down

The tune down function will tune the station to the next lower available channel. Simply left mouse click one time on the Channel Surfer TV tray icon, then left mouse click one time on the section that says channel down.

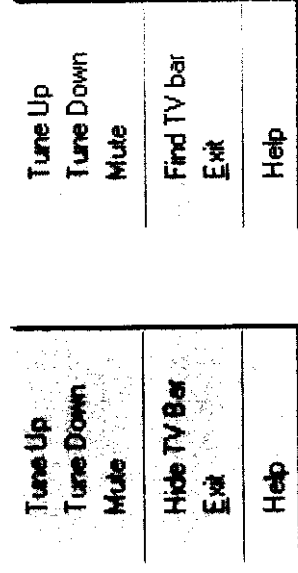
3. Mute

The mute function will allow you to mute the audio of the Channel Surfer TV. Simply left mouse click one time on the Channel Surfer TV tray icon, then left mouse click one time on the section that says mute.

4. Hide TV Bar

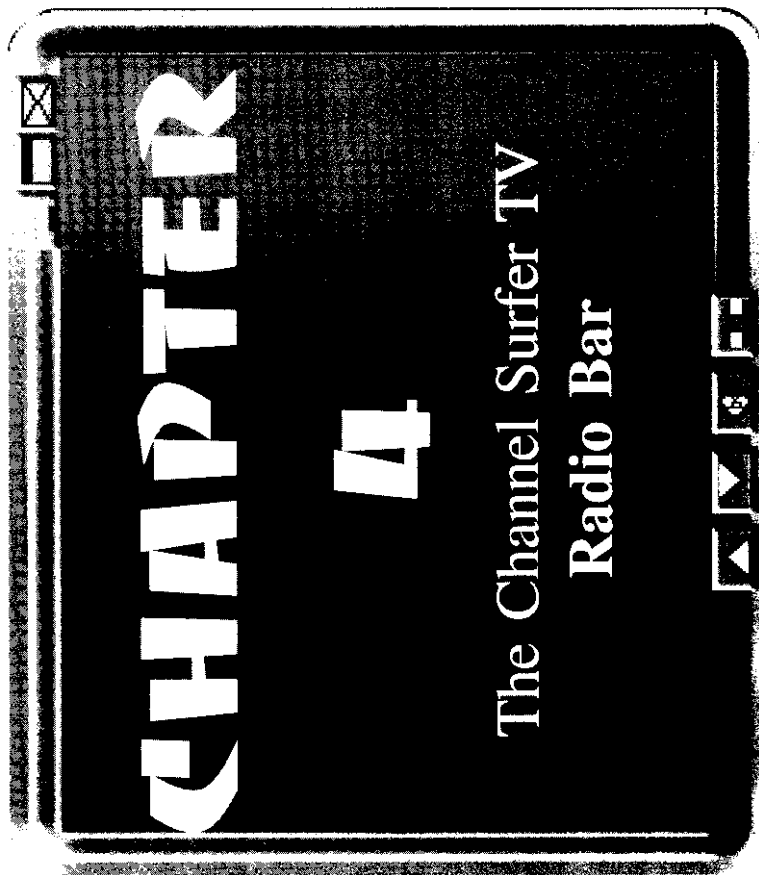
The hide function will hide only the Channel Surfer TV bar. Simply left mouse click one time on the Channel Surfer TV tray icon, then left mouse click one time on the section that says hide.

To restore the Channel Surfer TV bar simply left mouse click one time on the Channel Surfer TV tray icon, then left mouse click one time on the section that says find control bar. Find will be located in the same spot as well as the hide function as shown by the two pictures below.

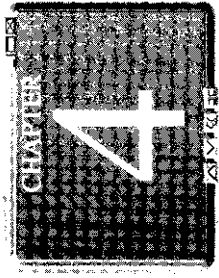


5. Exit

The exit function will allow you to close the Channel Surfer TV application. Simply left mouse click one time on the Channel Surfer TV tray icon, then left mouse click one time on the section that says exit.



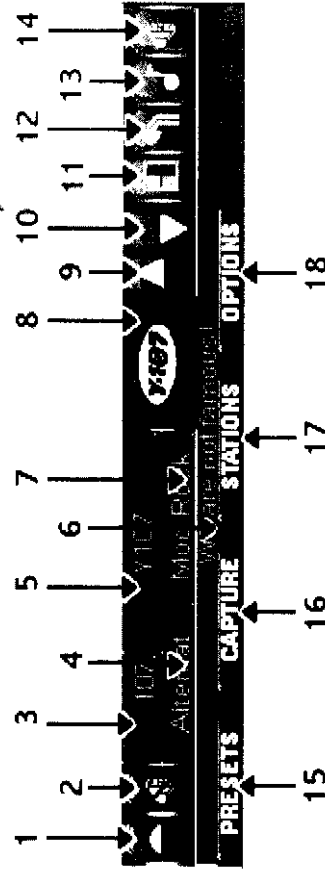
The Radio Bar Interface



The Radio Bar Interface Explained

This chapter will explain how to use the Radio Bar interface. It is recommended you read this portion so that you can have a greater understanding of the interface. We will try to make this process as painless as possible.

The Main Interface Window



1. Power
2. Mute
3. Station Frequency
4. Program Type
5. Station Call Letters
6. Program Service Name
7. Radio Text
8. Station Logo
9. Station Up
10. Station Down
11. Preview Scan
12. Previous Station
13. Audio Capture
14. Mixer
15. Station Presets
16. Capture Settings
17. Station Settings
18. Options

1. Power Button

By clicking on the power button one time you will close the Radio Bar interface.

2. Mute Button

When you click on the mute button it will toggle the sound of the FM radio on and off.



This what the mute button will look like when the FM radio is muted.



This is what the mute button will look like when the FM radio is not muted.

3. Station Frequency

This area of the Radio Bar displays the frequency for the station you are currently tuned to.

4. Program Type

This area of the Radio Bar displays the program type of the station you are currently tuned to. (Example: Rock, Traffic, Weather, Rap etc.)

5. Station Call Letters

This area of the Radio Bar displays the call letters for the station you are currently tuned to. (Example: KLOS, KXWB, KROQ, KBIG etc.)

6. Program Service Name

This area of the Radio Bar displays the program service name for the station you are currently tuned to. (Example: KLOS FM, KBig Mix, The Wave etc.)

7. Radio Text



This area of the Radio Bar displays the radio text information that the station you are currently tuned to broadcasts. This information varies greatly. The station can broadcast current song titles, traffic information, upcoming concerts etc..

8. Station Logo

This area of the Radio Bar displays the station logo for the station you are currently tuned to.

9. Station Up

By clicking on the station up button one time you will tune to the next higher available station.

10. Station Down

By clicking on the station down button one time you will tune to the next lower available station.

11. Preview Scan

By clicking on the preview scan button your FM radio will scan through all the available stations you choose to include in the scan. To exit the scan simply left mouse click a second time on the preview scan button.



This what the preview scan button will look like when the FM radio is scanning.



This is what the preview scan button will look like when the FM radio is not scanning.

12. Previous Station Button

By clicking on the previous station button you will toggle between the station you are currently tuned to and to the last station you were tuned to.

13. Audio Capture Button

The audio capture button records the radios audio. It records the audio in the form of a wave file.

Follow the step by step instructions below.

Step 1

Click on the audio capture button one time. This will start the recording process.

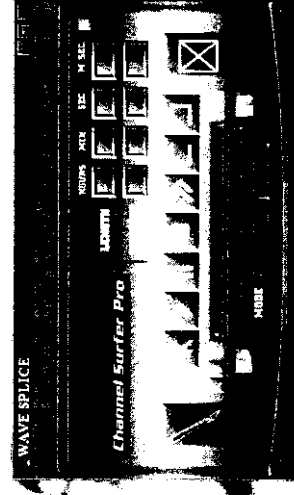
Step 2

Click on the radio capture button a second time to stop recording. The Wave Splice application will automatically start. For every audio capture you make a new instance of Wave Splice will start.

Step 3

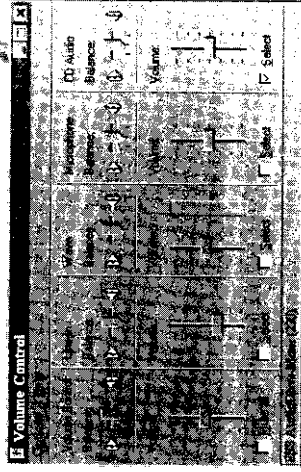
From this point you will be able to save, edit, delete, and name your wave file. The Wave Splice application looks like the picture below.

NOTE: If you close the Wave Splice application without saving your audio file, it will automatically be deleted.



14. Mixer Button

By clicking on the mixer button you will launch your sound mixer so you may adjust volume levels. Your mixer settings and interface may vary but it should look similar to the picture below.



15. Station Presets Tab

When you click on the station presets tab the station preset window will slide out from under the main Radio Bar window. From here you will be able to setup your station presets and access your favorite stations in just a click. The stations presets window looks like the picture below.



16. Capture Settings Tab

When you click on the capture settings tab, the capture settings window will slide out from under the main Radio Bar window. From here you will be able to setup the settings for the capture process such as audio quality, capture time, buffer drive, and buffer file size. The capture settings window looks like the picture below.



18. Station Settings Tab STATIONS

When you click on the station settings tab, the station settings window will slide out from under the main Radio Bar window. From here you will be able to setup the available stations, password settings, station logo, station program type, station call letters, station program service name, radio text, and enable or disable a station. The station settings window look like the picture below.



19. Options Tab OPTIONS

When you click on the options tab, the options window will slide out from under the main Radio Bar window. From here you will be able to setup always on top, mute on exit, auto hide, and pop-up help.



The Preset Window

This section will explain the preset window. From the preset window you will be able to save and access your favorite stations.

The preset window looks like the picture below.



Saving and Tuning to a Favorite Station

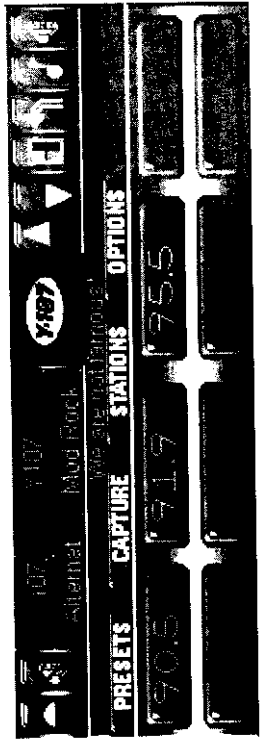
To save a favorite station follow the steps below.

STEP 1

Tune to a favorite station you would like to save as one of your station preset buttons.

STEP 2

Click on the **PRESETS** tab. The preset window will slide out from under the main Radio Bar window as shown in the picture below.



STEP 3

Move your cursor over the preset button you would like to use.

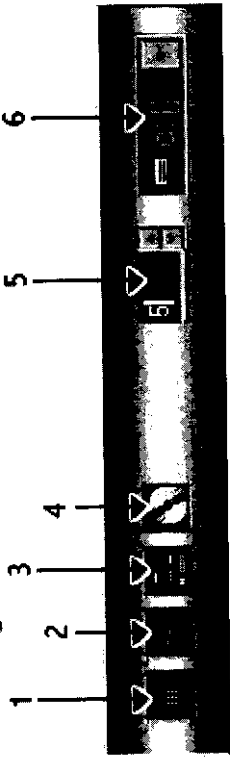
STEP 4

Right click on the button you have chosen as a preset for the current station you are tuned to.

STEP 5

Now to tune to that station simply left click on the preset button.

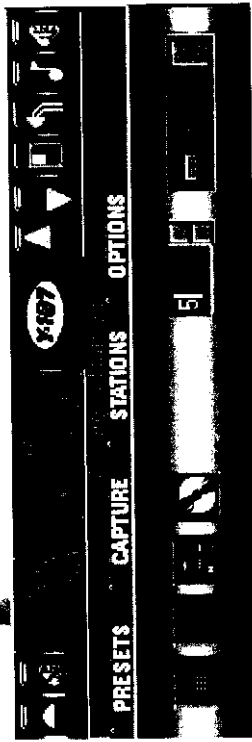
The Capture Window



1. Phone Quality Mono
2. Radio Quality Mono
3. Radio Quality Stereo
4. CD Quality Stereo
5. Capture Duration
6. Capture Drive

Accessing the Capture Window

To access the capture window left mouse click on the **CAPTURE** tab. The capture window will slide out from under the main Channel Surfer TV window as shown in the picture below.



1. Telephone Quality Mono (11,025Hz 8 Bits)

To set the recording quality to telephone mono, left mouse click one time on the phone quality mono button.

This is what the telephone mono quality button will look like when the telephone mono quality *is not* selected.



This is what the telephone mono quality button will look like when the telephone mono quality *is* selected.



2. Radio Quality Mono (22,050Hz 8 Bits)

To set the recording quality to radio mono, left mouse click one time on the radio mono button.



This is what the radio mono quality button will look like when the radio mono quality *is not* selected.



This is what the radio mono quality button will look like when the radio mono quality *is* selected.

3. Radio Stereo (22,050Hz 8 Bits)

To set the recording quality to radio stereo, left mouse click one time on the stereo button.



This is what the radio stereo quality button will look like when the radio stereo quality *is not* selected.



This is what the radio stereo quality button will look like when the radio stereo quality *is* selected.

4. CD Stereo (44,100Hz 16 Bits)

To set the recording quality to CD stereo, left mouse click one time on the CD stereo button.





This is what the radio stereo quality button will look like when the CD stereo quality *is not* selected.



This is what the radio stereo quality button will look like when the CD stereo quality *is* selected.

5. Capture Duration

The capture duration setting allows you to select a maximum time limit for an audio capture. The duration setting is measured in seconds. You are allowed a range for 1 to 3,600 seconds.

To set the capture duration for your audio capture, left mouse click on the up button  to increase the duration time or click on the down button  to decrease the duration time of your full motion video capture. You can also simply type in the amount of seconds you wish the capture duration to be.

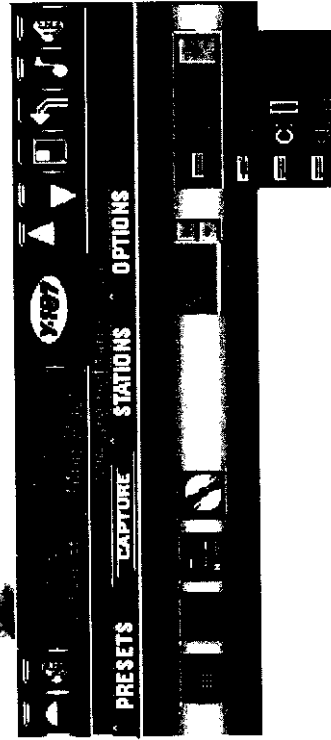
6. Capture Drive

The capture drive setting allows you to choose which drive you would like to place your temporary audio capture file.

To set the capture drive for your audio capture, follow the step by step instructions below.

STEP 1

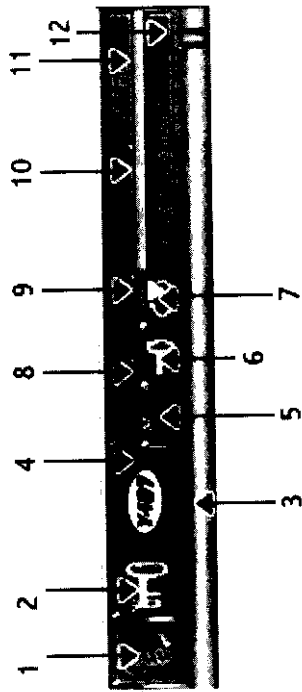
Left mouse click on the down button  located inside the capture drive box. A drop down box will appear as shown in the picture below.



STEP 2

Now select the drive you would like to place your temporary capture file on.

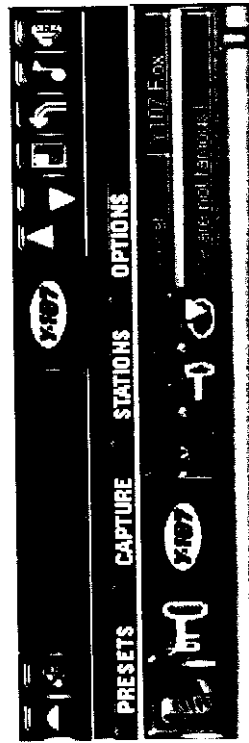
The Stations Window



1. Available Station Scan
2. Set Parental Control Password
3. Station Select
4. Current Station Logo
5. Station Enable/Disable
6. Parental Control Enable/Disable
7. Station Scan Enable/Disable
8. Current Setup Station
9. Station Call Letters
10. Station Program Type
11. Station Program Service Name
12. Station Radio Text

Accessing the Stations Window

To access the stations window left mouse click on the **STATIONS** tab. The stations window will slide out from under the main Channel Surfer TV window as shown in the picture below.



1. Available Station Scan

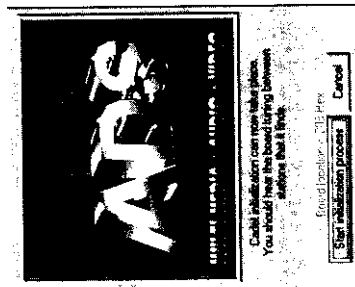
The available station scan button will scan through all stations and enable any that are valid. To scan for all available stations please follow the step by step instructions below.

STEP 1

Left mouse click one time on the available station scan button.

STEP 2

The initialization program will now start. The initialization interface looks like the picture below.



STEP 3

Left mouse click on the start button to initialize the available station scan process. You will now hear the FM radio stations change as the available station scan searches for all valid stations. You will receive a message notifying you when the scan is complete.

2. Set Parental Control Password

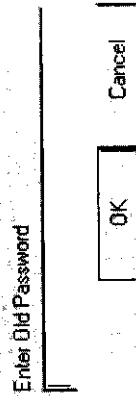
The set parental control password button will allow you to create a password for parental control. With the password enabled you can choose a desired station and lock it with the password you chose. To set your password follow the step by step instructions on the following page.

STEP 1

Left mouse click one time on the set parental password button.

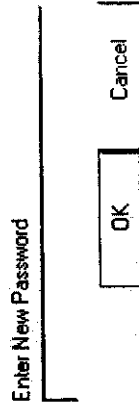
STEP 2

You will now see a box that says enter old password. If you have never entered a password **DO NOT TYPE ANYTHING** just click on the **OK** button one time. If you have set the password before, type it now otherwise you will get a message box that says invalid password.



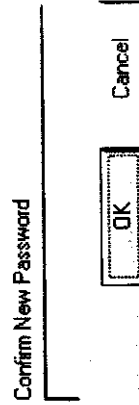
STEP 3

You will now see a box that says enter new password as shown in the picture below. You may now type in your desired password.



STEP 4

You will now see a box that says confirm new password as shown in the picture below. You may now retype the password you have chosen.



5. Station Enable/Disable

The station enable button allows you to enable or disable a station from your available station list. With the button in disabled mode you will only be able to direct tune to that station. With the button in enabled mode you will be able to tune to that station using your station up and station down buttons. To enable or disable a station left mouse click one time on the station enable button.

 This is what the station enable button will look like when the station is enabled.

 This is what the station enable button will look like when the station is *not* enabled.

6. Parental Control Enable/Disable

The parental control button will allow you to enable or disable parental control once you have set the parental control password as discussed earlier in this section. To enable or disable the parental control password, left mouse click one time on the parental control button.


 This is what the parental control button will look like when parental control is enabled.

 This is what the parental control button will look like when parental control is *not* enabled.

7. In Preview Scan Enable/Disable

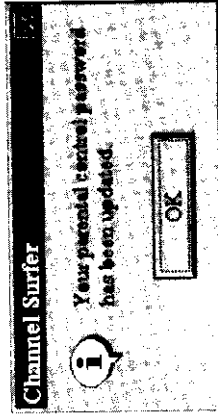
The preview scan button will allow you to add or remove an enabled station from the station preview list. To enable or disable a preview scan station, left mouse click one time on the preview scan button.

 This is what the in preview scan button will look like when preview scan is enabled.


 This is what the in preview scan button will look like when preview scan is *not* enabled.

STEP 5

You will now see a message box informing you that your new password has been set as shown in the picture below.

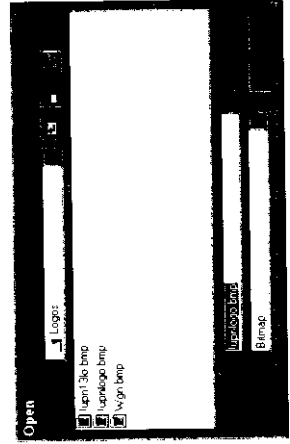


3. Station Select Bar

The station select slider bar allows you to choose which station you would like to setup. To select the desired station, move your cursor over the slider button  where the station select bar is located. Hold down the left mouse button and slide the slider button to the left to decrease the station number or to the right to increase the station number. Now release the left mouse button when you have the station you would like to adjust settings for.

4. Current Station Logo*

The current station logo section will allow you to assign a graphic to the current setup station. To assign a graphic or a logo, left mouse click one time on the logo area. You will now see a file browsing window as shown in the picture below. Locate the graphic file you wish to use and either double click on the file or left mouse click on open. This will return you to the station window with your graphic file displayed in the logo box. Simply right mouse click one time over the graphic to remove it.



* For channel logo updates visit the ADS web site at www.adstech.com

8. Current Setup Station

The current station number displays the station you are currently adjusting settings for.

9. Station Call Letters

The station call letters selection will allow you to type in the station call letters for the current setup station in the event that a particular station does not broadcast RDS. It will be displayed in the station call letters section on the main Radio Bar window when you tune to that station. To set the station call letters, left mouse click one time on the station call letters section. Now simply type in the current stations call letters.

NOTE: You have a maximum length of four characters.

10. Station Program Type

The station program type selection will allow you to type in the station program type for the current setup station in the event that a particular station does not broadcast RDS. It will be displayed in the station program type section on the main Radio Bar window when you tune to that station. To set the station program type, left mouse click one time on the station program type section. Now simply type in the current stations program type.

NOTE: You have a maximum length of eight characters.

11. Station Program Service Name

The station program service name selection will allow you to type in the station program service name for the current setup station in the event that a particular station does not broadcast RDS. It will be displayed in the station program service name section on the main Radio Bar window when you tune to that station. To set the station program service name, left mouse click one time on the station program service name section. Now simply type in the current stations program service name.

NOTE: You have a maximum length of eight characters.

12. Station Radio Text

The station radio text selection will allow you to type in the station radio text for the current setup station in the event that a particular station does not broadcast RDS. It will be displayed in the station radio text section on the main Radio Bar window when you tune to that station. To set the station radio text, left mouse click one time on the station radio text section. Now simply type in the current stations radio text.

NOTE: You have a maximum length of sixty-four characters.

The Options Window



1. Always On Top
2. Mute On Exit
3. Auto Hide
4. Pop-Up Help

Accessing the Options Window

To access the options window left mouse click on the **OPTIONS** tab. The options window will slide out from under the main Channel Surfer TV window as shown in the picture below.



1. Always On Top



The always on top function in the options window will enable or disable the main Radio Bar to always remain on top of all windows. To enable or disable the always on top selection for your Radio Bar, left mouse click on the always on top button one time.



This is what the always on top button will look like when always on top is enabled.



This is what the always on top button will look like when always on top is not enabled.

2. Mute On Exit



The mute on exit function in the options window will enable or disable the radio audio when you close the Radio Bar application. To enable or disable the mute on exit function for your Radio Bar, left mouse click on the mute on exit button one time.



This is what the mute on exit button will look like when mute on exit is enabled.



This is what the mute on exit button will look like when mute on exit is not enabled.

3. Auto Hide



The auto hide option will allow you to make the main Radio Bar slide in and out of the screen when the application is docked to the top or bottom of your screen. Simply move your cursor to the top or bottom of the screen where the Radio Bar is hidden and it will automatically slide into view. To set the Radio Bar to auto hide, left mouse click one time on the auto hide button.



This is what the auto hide button will look like when auto hide is enabled.



This is what the auto hide button will look like when auto hide is not enabled.

4. Pop-Up Help



The pop-up help option will allow you to receive pop-up help when the cursor is on top of any of the buttons or text fields. This will allow you to learn quickly what each button is for. To enable or disable pop-up help, left mouse click one time on the pop-up help button.

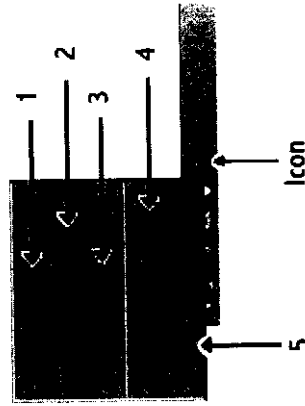


This is what the pop-up help button will look like when pop-up help is enabled.



This is what the pop-up help button will look like when pop-up help is not enabled.

The Radio Bar Tray Icon



The Radio Bar tray icon gives the added convenience of normal radio functions. The tray icon sits in the tray of your Windows 95 task bar as shown in the picture above. Each of these functions are explained below.

1. Tune Up

4. Hide Radio Bar

2. Tune Down

5. Exit

3. Mute

5. Exit

The exit function will allow you to close the Radio Bar application. Simply left mouse click one time on the Radio Bar tray icon, then left mouse click one time on the section that says exit.

1. Tune Up

The tune up function will turn the radio to the next higher available station. Simply left mouse click one time on the Radio Bar tray icon, then left mouse click one time on the section that says tune up.

2. Tune Down

The tune down function will tune the radio to the next lower available station. Simply left mouse click one time on the Radio Bar tray icon, then left mouse click one time on the section that says channel down.

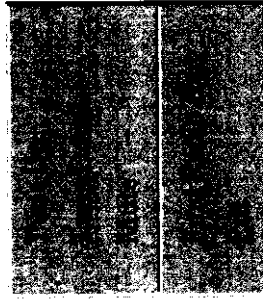
3. Mute

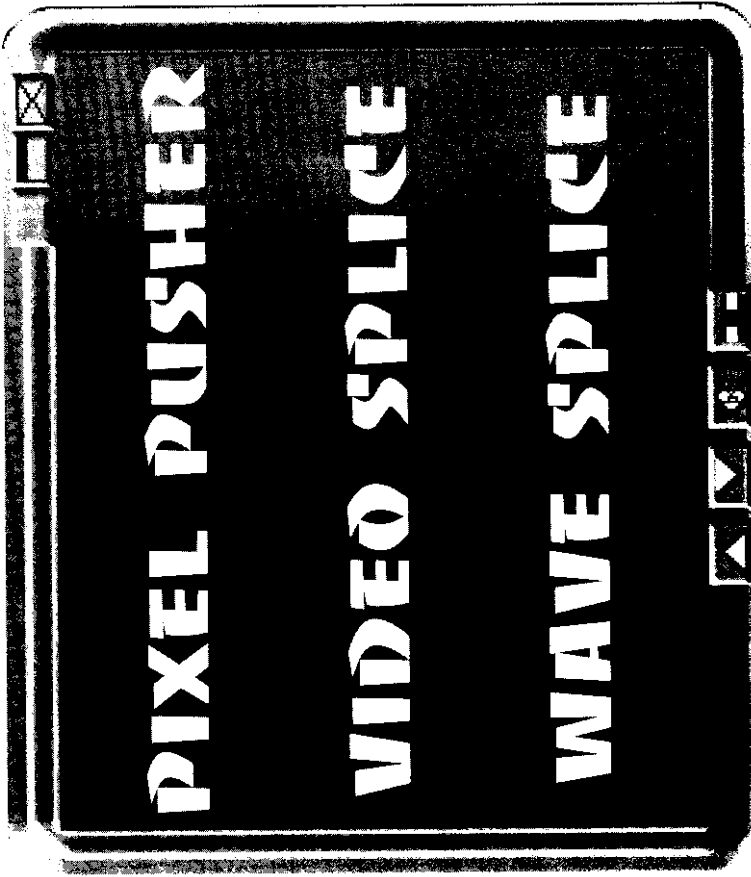
The mute function will allow you to mute the audio of the FM radio. Simply left mouse click one time on the Radio Bar tray icon, then left mouse click one time on the section that says mute.

4. Hide Radio Bar

The hide radio bar function will hide the Radio Bar application. Simply left mouse click one time on the Radio Bar tray icon, then left mouse click one time on the section that says hide radio bar.

To restore the Radio Bar simply left mouse click one time on the Radio Bar tray icon, then left mouse click one time on the section that says find radio bar. Find radio bar will be located in the same spot as was the hide radio bar function as shown by the two pictures below.





PIXEL PUSHER

VIDEO SPLICE

WAVE SPLICE



Pixel Pusher



Above is a picture of the Pixel Pusher application. Within the Pixel Pusher application you will be able to print, altar, adjust, add special effects and more to your still frame capture.

The Pixel Pusher application's functions are somewhat in-depth. There are on-line documents called help files that will lead you through the operations and effects of the Pixel Pusher application. The help files are there to answer any questions you may have as you use the application.

To access the help files simply left mouse click one time on the title bar where it says help. A list will then drop down. Now left mouse click one time on the section that says contents. The help file will now be open and ready to navigate you through your questions.

Wave Splice

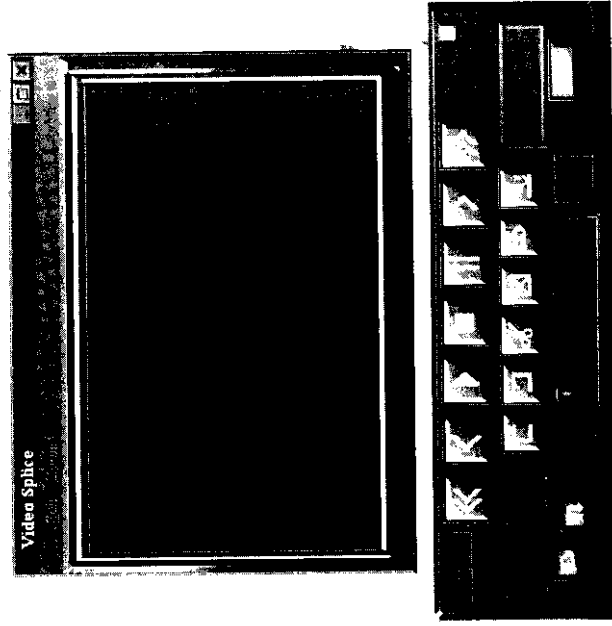


Above is a picture of the Wave Splice application. Within the Wave Splice application you will be able to edit name, and alter your wave files you capture with you Channel Surfer TV.

The Wave Splice application's functions are somewhat in-depth. There are on-line documents called help files that will lead you through the operations and effects of the Wave Splice application. The help files are there to answer any questions you may have as you use the application.

To access the help files simply left mouse click one time on the title bar where it says help. A list will then drop down. Now left mouse click one time on the section that says contents. The help file will now be open and ready to navigate you through your questions.

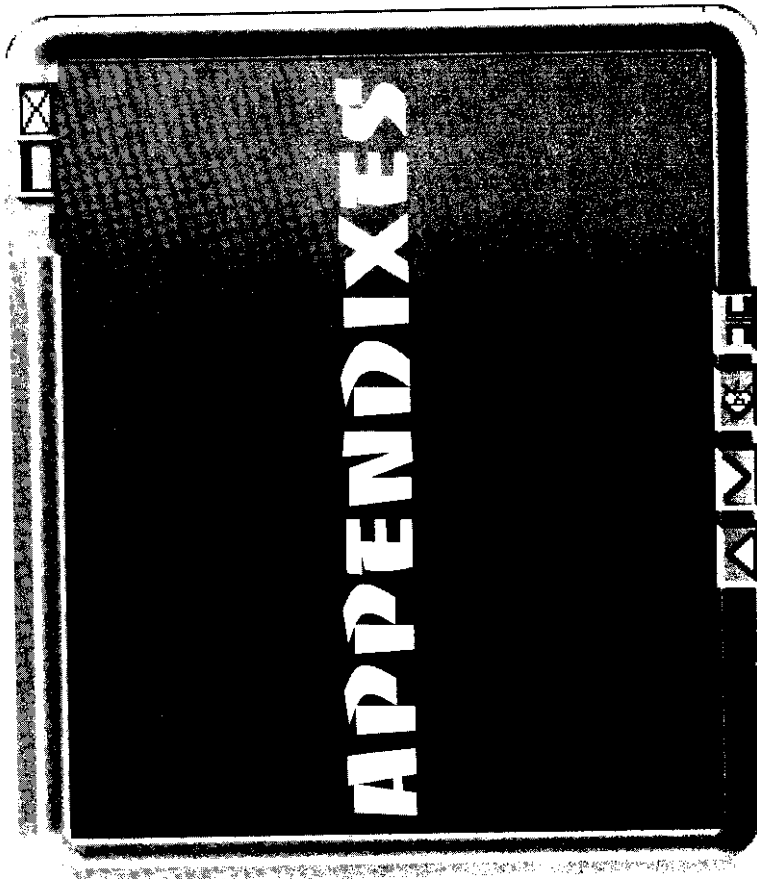
Video Splice



Above is a picture of the Video Splice application. Within the Video Splice application you will be able to edit and "paste" together the video captures you make with your Channel Surfer TV.

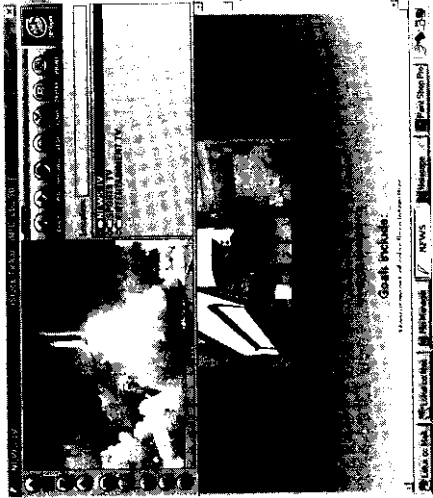
The Video Splice application's functions are somewhat in-depth. There are on-line documents called help files that will lead you through the operations and effects of the Video Splice application. The help files are there to answer any questions you may have as you use the application.

To access the help files simply left mouse click one time on the title bar where it says help. A list will then drop down. Now left mouse click one time on the section that says contents. The help file will now be open and ready to navigate you through your questions.



Appendix A

Intel Intercast™



The Intel Intercast application is included on the CD-ROM that has been provided with your Channel Surfer TV. Please follow the installation instructions below. You have two ways to install the Intercast application. **The second installation should be followed only for after you have installed the Channel Surfer TV drivers and software.**

Options For Initial Channel Surfer TV Install

If you have not yet installed the Channel Surfer TV you may include the Intel Intercast installation with the main Channel Surfer TV installation. Simply insert the Channel Surfer TV CD into your CD-ROM drive. In a few seconds you will see the autorun screen. Simply left mouse click one time on the button that says "Install All". This will install the main Channel Surfer TV applications as well as Intel Intercast and Intel Smart TV. Now follow the on-screen instructions.

Installing Intel Intercast Only

Insert the Channel Surfer TV CD-ROM into your CD-ROM drive. The autorun application will start a few seconds after you have inserted the CD. Now, simply left mouse click one time on the button that says "Install Inter-cast". The Intel Intercast installation program will now start. From this point, follow the on-screen instructions.

What Is RBDS?

FM radio now has the ability to transmit data along with the audio program. This means that you can listen to Stereo radio and be receiving data at the same time. The Channel Surfer TV Plus FM receiver has the unique ability to receive several FM data broadcasting standards, differentiate among them and process the data type in the proper fashion. Below is a description of each data type and how it can be used by the Channel Surfer TV Plus FM receiver.

RDN (Radio Data Network)

The Radio Data Network is a network made up of radio stations that provide data broadcasting to the populations of the United States and Canada. Radio stations receive data via satellite transmissions, then rebroadcast the data in their local area. The RDN network can transmit data for a variety of uses and applications, below is a list of potential data broadcasting services.

- Paging - Numeric paging services Local, Regional and Nationwide
- DGPS (Differential GPS) the transmission of correctional data to make GPS (Global Positioning Satellite) data error free.
- Radio Data Network Wireless News and information services
- E-Mail Alerts via Internet Service Providers
- Sports Score Alerts
- Stock Market Alerts & end of the day market results
- National Weather Alerts
- Emergency Broadcast Warning Alerts
- Other subscription based alerting and notification services

Radio Data System (RDS)

The Radio Data System (RDS) is a European Data transmission standard developed over ten years ago. It is adhered to by more than 23 European countries and several other countries around the world such as Hong Kong, Singapore, India and many others. The US standard, RBDS, discussed below is based on the European standard. Therefore RDS is quickly becoming a Worldwide standard for transmitting digital information on an FM radio subcarrier.

In Europe the Radio stations operate in Networks much like the US TV networks (ABC, NBC, CBS). No matter what city you are in you can tune in one of these network stations and receive identical programming. This is fine when you are sitting at home watching a show on CBS. But when you are driving down the Autobahn at 150 km/hour listening to your favorite program on BBC1, after a short while you will get out of the broadcasting range of the local BBC1 station.

Then you must fiddle with the radio to find the BBC1 station in the next town. RDS solves this problem. Each station has the ability to transmit an AF (alternate frequency) list. This means that the BBC1 station you were listening to sends data about the other stations in the area who are also BBC1 stations. The RDS receiver in your car receives the AF list and when the station signal grows weak it scans the AF list for the strongest station. Thus the RDS receiver automatically returns to the strongest BBC1 station. Imagine driving 800 km down the Autobahn and listening to the same radio program all the way with out ever touching the radio to retune!

RDS also provides a method to show more information about the radio station you are listening to such as the station call letters, i.e. BBC1 instead of just seeing 104.3 MHz. Newer RDS receivers even allow the ability to search of radio programming by the type of program, i.e. National, Classical, Jazz.

Traffic is always a problem no matter where you go, but RDS helps keep you informed about traffic conditions. Ever miss the announcers traffic announcement because you were listening to the CD or just day dreaming? RDS receivers allow the radio station to send out a digital code. This digital traffic alert code will pause the CD player and switch back to the radio program. The traffic alert will also raise the radio volume during the traffic announcement, just to wake you from your day dream, then lower the volume or switch you back to the CD again at the end of the report.

The Enhanced Other Networks (EON) feature of RDS takes traffic alerts one more step. Remember the AF list we mentioned before? EON is the AF list on steroids! In the U.K., for example, they have several BBC stations; i.e. BBC1, BBC2, BBC3. EON lets us hear the traffic report on any BBC station no matter which station we are tuned to. When BBC1 is about to do a traffic report, the traffic alert for BBC1 is transmitted on BBC1, BBC2 & BBC3 all at the same time along with the frequency list for BBC1. If you are listening to BBC3, your RDS receiver will automatically switch to BBC1 while the traffic announcement plays, then automatically switches back to BBC3 when the announcement is over.

These digital features added to analog FM radio have made RDS a hit World wide. In less than 10 years one manufacturer of RDS decoder chips that are built in to RDS receivers has sold more than 25 million chips.

Radio Broadcast Data System (RBDS)

The US radio broadcast industry became excited about RDS after the European RDS forum leaders gave a presentation at an industry conference in 1986. The National Radio Standards Committee set out to adapt RDS so that it could meet the unique needs of the US marketplace. In January of 1993 the US standard was

Appendix A

published. The US standard had a few features that differed from the European standard. The US standard allows for Radio Text, a 64 character field for transmitting text information such as the artist name and song title while a song played. Radio text can be used for any type of text information including, station messages, news, advertising and even radio coupons. The list of program types; i.e. country, rock, classic rock, differs from the European list. The US standard also made allowance for the existing FM radio paging network that is based on the MBS protocol. Actually only minor differences exist between the US and European standards and there are ongoing efforts to harmonize the two standards.

In just three years more than 700 FM station across the US have installed RBDS transmission equipment. Companies like Delco (GM), Ford, Pioneer, Denon, Onkyo, Kenwood and ADS Technologies, Inc. are shipping RDS receivers or have announced plans to ship receivers in the near future.

Although the Standard in the US is officially named RBDS, the industry commonly refers to the technology as simply RDS. We will refer to the technology as RDS throughout this manual.

Appendix B

Which version of Windows 95 do I have?

Windows 95 is currently distributed in two different versions, Windows 95 and windows 95 release B. To find out which version you have installed on your system, follow the step by step instructions below.

STEP 1

Double click on the icon that says "My Computer".



STEP 2

Double click on the icon that says "Control Panel".



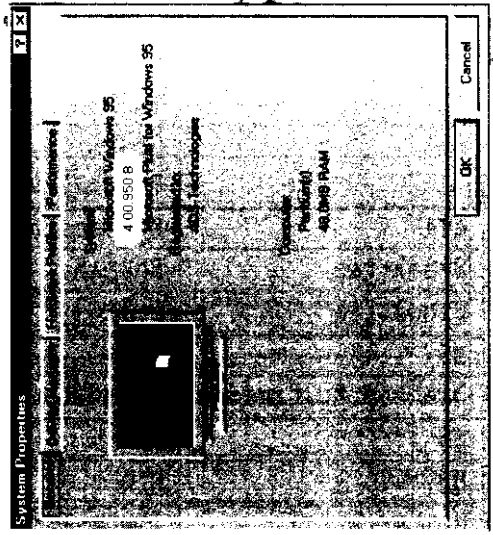
STEP 3

Double click on the icon that says "System".



STEP 4

You will now see something like the picture below. If you have Windows 95 release B it will read like the highlighted section of the picture below. If it dose not say "B" at the end of the version number then you have the first release of Windows 95. Now proceed with the proper driver installation instructions.



Channel Surfer TV Compatible Video Cards

Graphics Card	Manufacturer	Model #	Graphics Chip	Model #	Driver Version
ATI	ATI	3D Xpression	ATI	3D Range II	4.03.2119 (ATI)
ATI	ATI	Mach 64 Win Turbo	ATI	Mach 64	
ATI	ATI	Graphics Pro Turbo	ATI	Mach 64	
ATI	ATI	Expression	ATI	Range II	4.02
Brooktree	Brooktree	Bt2115	Brooktree	Bt2115	4.03.2030 (Bt)
Brooktree	Brooktree	Bt2164	Brooktree	Bt2164	4.03.2029 (Bt)
MB	N/A	Chips & Tech	Chips & Tech	B65550	
Diamond Multimedia	Speedstar 64	Cirrus Logic	CL-GD5434-HC-D	CL5430/40 PCI	4.03.00.2030 (me)
MB	N/A	Cirrus Logic		CL5446	
MB	N/A	Cirrus Logic		CL5446	
Number Nine	Image 128	Cirrus Logic		CL5446	---
STB	Nitro	Cirrus Logic		CL5446	4.02.4003
MB	N/A	Cirrus Logic		GD54M30	
Integrated Micro	Twin Turbo 128	Integrated Micro	Twin Turbo 128+		4.0
Solutions +		Solutions			
Matrox	Millennium	Matrox	MGA 64 Bit		

Matrox	Mystique	Matrox	MGA 64 Bit	4.0
Matrox	Millennium	MGA	MGA 64 Bit	4.03.00.1096 (me)
Matrox	Mystique	MGA	MGA 64 Bit	4.03.00.3110 (ATI)
Creative Labs	3D Blaster	Rendition	V10000-E	4.03.00.2030 (me)
Number 9	Trio 64 V+	S3	Trio 64 V+	4.03.00.2030 (me)
Videologic	GratiXStar 400	S3	Trio 64 V+	4.3.004
STB	PG	S3	Trio 64 V+	2.02.01
Videologic	GratiXStar 450	S3	Virge	4.3.004
STB	Power Graph 64	S3	Virge	4.03.00.2030 (me)
STB	Velocity 3D	S3	Virge VX	4.0
Diamond Multimedia	Stealth 3D 3000	S3	Virge VX	4.03.00.2030 (me)
Number 9	Virge 966	S3	Virge 966	4.03.00.2030 (me)
STB	Light Speed	Virge Labs	ET6000	4.02.966
Videologic	Platypus 64	Virge Labs	ET6000	4.3.003
MB			ET6000	

Trouble Shooting and Technical Support

Channel Surfer TV

Problem When I start the application the channel number says 0 and I can't change the channel.

Solution Shut down the TV application and restart it.

Problem The TV picture tares or distorts.

Solution Check the video card compatibility list on the previous page to make sure your VGA card is compatible.

Problem The TV picture has speckles in it.

Solution Check the video card compatibility list on the previous page to make sure your VGA card is compatible.

Problem The TV picture is not aligned properly.

Solution Check the video card compatibility list on the previous page to make sure your VGA card is compatible.

Problem I get an insufficient disk space error when I start the TV application.

Solution Check the buffer drive and the buffer file size and make sure the settings are correct.

Problem When I start the TV application the TV window is not the same size it left it in last.

Solution The TV window size comes up whatever size it is set for in the display section. Check the display settings tab under size.

Problem I click on the mixer button but nothing happens.

Solution The TV bar launches the Windows mixer by default. If you are using a mixer other than the Windows mixer call our technical support at 562-926-4338 for help on setting up your mixer.

Problem I get an error saying "Can't connect to capture driver."

Solution There is either another application using the capture driver or a device that was using the capture driver was not shut down properly. Restart your computer.

Problem When I click on the capture button then on cancel, it captures anyway.

Solution This is a known bug in Windows and will be fixed in the next release of Channel Surfer TV.

Video Splice/Wave Splice

Problem I get an error when I try to overwrite a file.

Solution The file you are overwriting with may be too large for your hard drive.

Problem I get an error that says "Error cutting video stream."

Solution Make sure you have both a beginning and ending splice mark.

How To Contact ADS

The ADS team has tried their hardest to make the Channel Surfer TV as trouble free as possible. However we know problems may still arise or you may simply have questions. There are a couple of ways to contact ADS.

Sales

Phone Number: 562-926-1928

E-Mail Address: sales@adstech.com

Technical Support

Phone Number: 562-926-4338

E-Mail Address: adstech@adstech.com

Internet Web Site:

www.adstech.com

Fax Number: 562-926-0518

Service and Warranty

Service:

If you require assistance with the installation, operation, or application of your ADS Technologies, Inc. product there are several options available to you as described in the technical support section of this manual. Your primary source for information and assistance is always your computer store or computer parts dealer. If your ADS product needs repair or replacement, contact your dealer for on-site repair service.

The ADS Technologies technical support and customer service staff can aid in solving many problems. Our technical support department is available to repair any ADS Technologies product. Products must be returned by you or your dealer to our factory for repair or warranty replacement.

Return/Replacement:

If you need to return your ADS Technologies product you should return the product directly to the dealer or store that you purchased the product. Product return policies are set by each individual computer store or dealer. ADS Technologies, Inc. cannot be responsible for the actions or policies set by our dealers. If your desire is to return the product for a refund, you must get the refund from the dealer or store you purchased the product from. If you purchased the product directly from ADS please see the "Terms and Conditions of Sale" on the reverse side of your sales invoice.

Returns to ADS Technologies, Inc. are for repair or warranty replacement only. If you need to return product to ADS Technologies, Inc. for repair or replacement you must follow these important steps:

1. Call our Technical Support department at (562) 926-4338 to obtain a Return Merchandise Authorization (RMA) number.
2. The RMA number is valid for 30 days.
3. Ship the product to the ADS factory with the RMA number marked on the inside and outside of the package. If there is no RMA number on the package, the RMA number has expired, the shipment will be refused. ADS will not be liable for lost or mis-shipped products.
4. Replacement product cannot be shipped to you until the defective product has been received by ADS.
5. Once the product is received at the factory it will be tested and then repaired or replaced.

6. Turn around time is approximately one week. A repaired or replacement product will be shipped back to you.

Warranty:

This ADS Technologies, Inc. product comes with a One (1) year hardware warranty. ADS Technologies, Inc. (ADS) warrants this product against defects in material and workmanship for a period of One (1) year from the date of original purchase from ADS or an authorized ADS dealer. This warranty applies only to the original purchase of the product and is not transferable. This warranty does not cover any incompatibilities due to the user's computer, hardware, software or other related system configuration in which the product interfaces. Proof of purchase will be required before any warranty consideration by ADS occurs.

This warranty does not cover any damage caused by negligence, non-authorized modifications, or parts installed without prior written permission from ADS.

This warranty does not apply if the product has been damaged by accident, abuse, or misapplication, nor as a result of service to the product by anyone other than ADS.

If your ADS product is not in working order, your only recourse is repair or warranty replacement, as described above. UNDER NO CIRCUMSTANCES will ADS Technologies, Inc. be liable for consequential damages, including but not limited to any lost savings, lost profits, or any other damages, caused by the use of any ADS Technologies, Inc. product or inability to use the product, even if the dealer or ADS Technologies, Inc. has been advised of such liability or other claims. This includes damage to property and, to the extent permitted by law, damages for personal injury. This warranty is in lieu of all other warranties including implied warranties of merchantability and fitness for a particular purpose.

Appendix C

FCC Information

Federal Communications Commission Radio Frequency Interference Statement

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio TV technician for help.

Notice:

- (1) The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- (2) Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

QUALITY

PROFESSOR AND ONLINE DOCUMENTATION

DESIGN AND LAYOUT SOFTWARE

John J. Smith III

Lead Editor

Therese Swartz

Software Engineers

Lead Software and Interface Engineer

David Reedman

Assembly-Software Engineer

David Franco

Graphic Designer

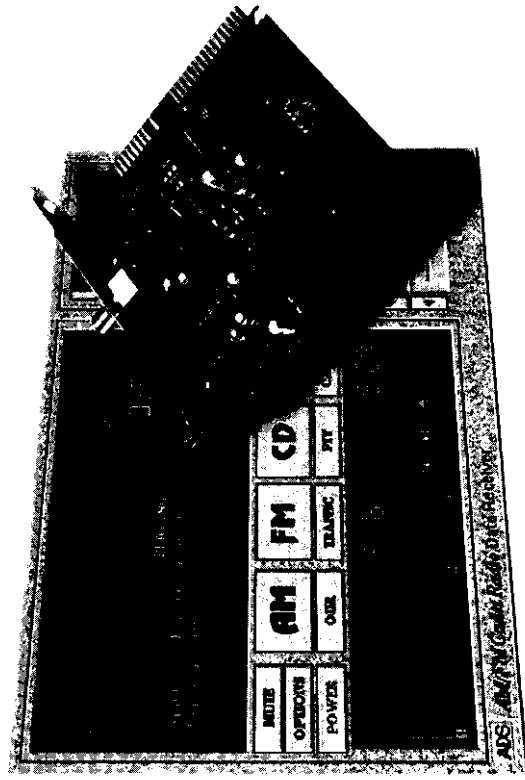
Production Designer

Copy Editor



CADET Data Radio

AM/FM Radio and Data in your PC



AM/FM stereo receiver featuring RDS (Radio Data System) which displays data sent via radio broadcasts. The CADET produces home-stereo quality audio so you can work or surf the web while you listen to music or the ball game.

- Installs in seconds - Plug and Play
- Display of station call letters, artist name, song title and other data
- Seek/Scan by station format (rock, jazz, talk, country etc.)
- 100 FM presets - 50 AM presets
- Radio on Demand™ (VCR-like programmed recording of radio programs)
- Future software enhancements for radio paging, e-mail alerts and more...

For more information or dealer nearest you call:

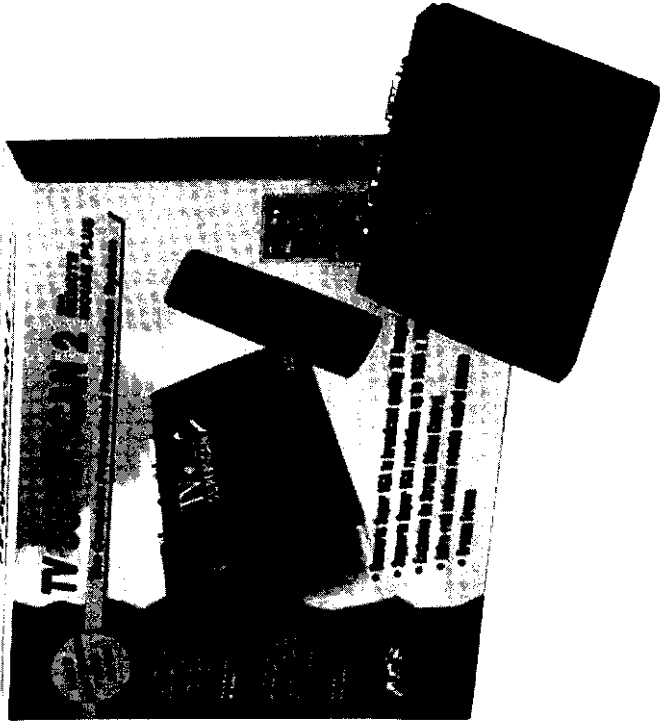
Sales 562 926-1928
FAX 562 926-0518

Literature FaxBack Service (562) 926-5207
Visit our website @ <http://www.ADSTECH.com>



CADET Data Radio

AM/FM Radio and Data in your PC



TV SuperScan2 converts SVGA (up to 1024 x 768) into a video signal. This scan converter has exclusive Video Buffer technology and will work with any operating system or platform using SVGA.

- New with infra-red remote mouse
- Supports 1024 x 768 in up to 16.7 million colors
- On-Screen menu
- Broadcast Quality (RS-170) for video broadcasting or taping
- Now with Zoom, Draw, Screen Capture and more!

Literature FaxBack Service: (562) 926-5207
Visit our website at <http://www.ADSTECH.com>



For more information
or dealer nearest you call:
Sales (562) 926-1928
FAX (562) 926-0518

NOTES