

miroMEDIA Manager

USER'S GUIDE

miroMEDIA Manager

User's Guide

Version 4.0/GB February 1997

700524

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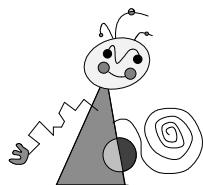
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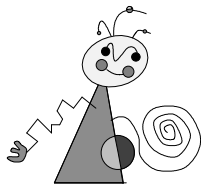
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About the manual

This user's guide explains how to install, configure, and use the miroMEDIA Manager.

Subheadings

In the margins are subheadings to help you quickly find your way through this manual.



Important text passages are marked with the “notepad” and this format.

Numbers mark step by step instructions:

1. Start Windows.

All keyboard commands appear in this font:

install <↵>

<↵> represents the enter key.

Bullets mark instructions for optional steps the order of which is not important.

- Connect the miro board to the microphone.

Menus, commands, options or buttons which the user can select are written in *italics*.



For changes that have occurred after the manual has been printed, refer to the README file!



GENERAL

The miroMEDIA Manager is a standardised graphical user interface which allows you to operate the miro sound, video, and communications hardware integrated in your PC in a user-friendly, intuitive way.

Instead of launching an application for each multimedia device, you use the miroMEDIA Manager to operate your devices quickly and easily. To do so, use the mouse, the keyboard, or the remote control miroMEDIA Remote.

The miroMEDIA Manager runs under Windows 95. It supports the **miro boards** miroMEDIA View, miroMEDIA View TV, miroMEDIA TV upgrade, miroMEDIA Radio upgrade, miroMEDIA 3D, miroMEDIA Online, miroCONNECT 34, miroSOUND PCM20 radio, miroVIDEO DC10, and miroMEDIA PCTV. Furthermore, **modem boards** supporting the TAPI interface and working with the UniModem V driver, and **sound boards** which are compatible with the Windows Sound System are supported.

SYSTEM REQUIREMENTS

Before you start to install the miroMEDIA Manager, check to make sure that your system meets the following requirements:

- ♦ at least 486 or compatible PC,
- ♦ at least 8 MB memory,
- ♦ CD-ROM drive,
- ♦ at least 11 MB hard disk memory,
- ♦ Windows 95,
- ♦ font "Times New Roman".
- ♦ The miroMEDIA Manager supports the following boards:
miroMEDIA View, miroMEDIA View TV, miroMEDIA TV upgrade,
miroMEDIA Radio upgrade, miroMEDIA 3D, miroMEDIA Online,
miroCONNECT 34, miroSOUND PCM20 radio, miroVIDEO DC10, and
miroMEDIA PCTV.

PACKAGE CONTENTS

The miroMEDIA Manager package contents include:

- ♦ miroMEDIA Manager-CD-ROM containing the miroMEDIA Manager software and the online documentation,
- ♦ Quick Installation Guide.



Installation and configuration



Before you start installing the miroMEDIA Manager, it is required that you have inserted the hardware you want to operate using the miroMEDIA Manager (miroMEDIA View, miroMEDIA View TV, miroMEDIA TV upgrade, miroMEDIA Radio upgrade, miroMEDIA Online, miroMEDIA 3D, miroCONNECT 34, miroSOUND PCM20 radio, miroVIDEO DC10, and miroMEDIA PCTV), that you have connected the remote control (miroMEDIA Remote) and that you have installed the corresponding driver software. For the miroMEDIA 3D board the MPEG player supplied with these boards has to be installed.

INSTALLING THE miroMEDIA Manager

To install the miroMEDIA Manager using the CD-ROM, use the miroSETUP-Manager from the supplied CD-ROM.

If other installation programs are started during the installation, the miroSETUP-Manager is minimized. To maximize it again, click the button miroSETUP-manager in the Task bar. After the installation has been completed, restart Windows.

Automatical installation

The automatical miroSETUP-Manager installation proceeds as follows:

1. If you have not done so already, start Windows.
2. Insert the miro CD-ROM into the CD-ROM drive.

Under Windows 95 the installation program should be started automatically. If this is not the case, it may be that your *Autostart* option of your CD-ROM drive is disabled.

Manual installation

In this case proceed as follows:

1. Select *Run...* from the *Start* menu.
2. Depending on your CD-ROM drive, enter **d:\setup**, where **d:** is the drive letter of your CD-ROM drive.
3. Click *OK*.

Now, you are in the *Language Selection* menu. The *Information* button gives you information about the miroSETUP-Manager and its modules.

4. Click *Install*.

Now you are in the *miroSETUP-Manager Module Selection* window.

Here you have the possibility to install the *miroMEDIA Manager*, the *miroMEDIA Screensaver*, the *Documentation*, and the demo drivers (in case no miro board has been installed).

5. Follow the instructions on the screen.

Exit/Back Use the *Exit* button to quit the miroMEDIA Manager. Use *Back* to go to the previous window.

After the software has been copied to your hard disk, the *User configuration* dialog appears.

CONFIGURING THE miroMEDIA Manager

User settings

After you have installed the miroMEDIA Manager software, use the *miroMEDIA Manager User settings* program to set additional parameters for the miroMEDIA Manager and the individual modules.

To facilitate decision-making when setting the parameters, we recommend you to start the miroMEDIA Manager first and to make yourself familiar with the user interface. To do so, read the “Using the miroMEDIA Manager” chapter.

The *miroMEDIA Manager User Configuration* consists of several file cards. To select a file card, click the desired topic (e.g. *Audio-CD*). The program starts with the *Shell* file card where you can make several settings modifying the user interface.



After you have changed the settings in the *miroMEDIA User Configuration*, restart the miroMEDIA Manager for the settings to take effect.

Shell

Setting	Value	Unit
Power off delay	2	Sec.
Actor hide delay	4	Sec.
Button hide delay	8	Sec.
Select delay	1	Sec.
Eject, if CD tray empty	☐	
Background	miro Design	
Font color		
Font color (Highlight)		

Power off delay:

Specify how long you want to press the power button in the icon bar to switch miroMEDIA Manager applications off.

Actor hide delay:

Here you can specify the time until the actor disappears from the full-screen TV or video image.

Button hide delay:

Specify the time until the icon bar disappears from the full-screen TV or video image.

Select delay:

If several devices have been switched on and are active, e.g. radio and television, and you move on the icon bar changing from one device to the other, the miroMEDIA Manager does not switch to the other device immediately but after the time specified here.

Eject empty tray:

If no CD is inserted in your CD-ROM drive and you activate the CD button in the miroMEDIA Manager, the tray will open automatically when this option has been enabled.

Background:

Here you can select a background graphics for the miroMEDIA Manager.

Font color:

Here you can select the font color for the selection boxes (e.g. list of channel names in the TV control element).

Font color (Highlight):

Lets you select the font color for highlighted options in selection boxes.

Audio CD

Audio-CD

Skip time	slow		fast
Play time	short		long
Play off	☐		
Record quality	good 		
Audio level	20  %		
Max. record time	20. Sec		

Skip time:

Here you can adjust the speed for the fast forward/rewind function.

Play time:

Specifies how long the pieces are played when using the fast forward function (0.5 to 2.0 seconds). A CD cannot be played back at a high speed like a tape. Therefore the CD Player plays a short interval in the fast forward function and then jumps forward to the next piece.

Play off:

Switches the sound off for the fast forward/rewind function.

Record quality:

Here you can choose the recording quality when using the *Rec* button.

Recording quality

good	average	poor
44.1 kHz, 8 bits, stereo	22.05 kHz, 8 bits, stereo	11.025 kHz, 8 bits, mono

The quality *good* equals CD quality, *average* equals radio quality and *poor* equals telephone quality.

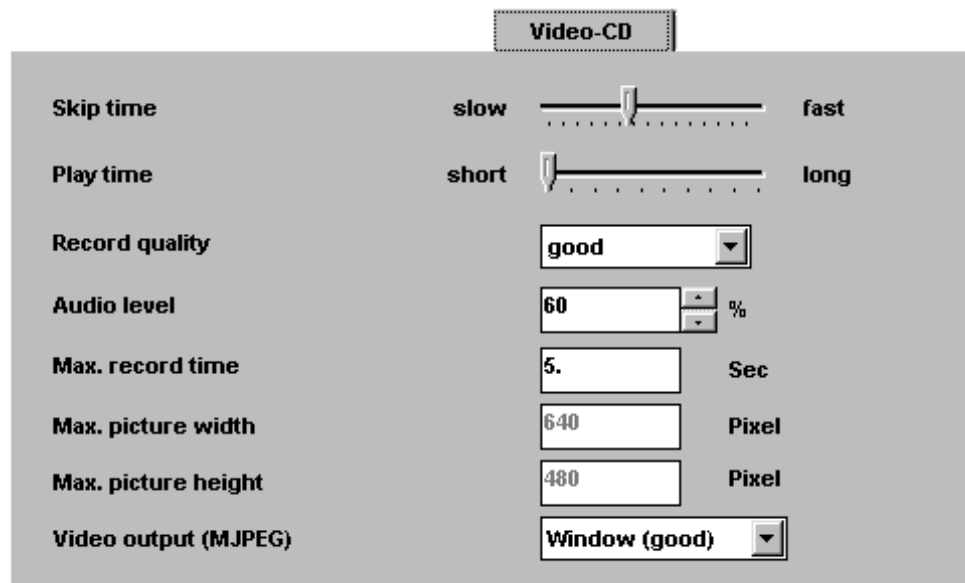
Audio level:

Lets you specify the audio level for the recording.

Max. record time:

Here you can choose the maximum amount of time the miromEDIA Manager will record data when you press the *Rec* button.

Video CD



The screenshot shows a dialog box titled "Video-CD". It contains several settings:

- Skip time:** A slider control with "slow" on the left and "fast" on the right. The slider is positioned towards the "slow" end.
- Play time:** A slider control with "short" on the left and "long" on the right. The slider is positioned towards the "short" end.
- Record quality:** A dropdown menu currently set to "good".
- Audio level:** A numeric input field showing "60" with a percentage sign (%) to its right.
- Max. record time:** A numeric input field showing "5." followed by the unit "Sec".
- Max. picture width:** A numeric input field showing "640" followed by the unit "Pixel".
- Max. picture height:** A numeric input field showing "480" followed by the unit "Pixel".
- Video output (MJPEG):** A dropdown menu currently set to "Window (good)".

The first five options in the *Video-CD* file card are the same as the corresponding *Audio-CD* options.

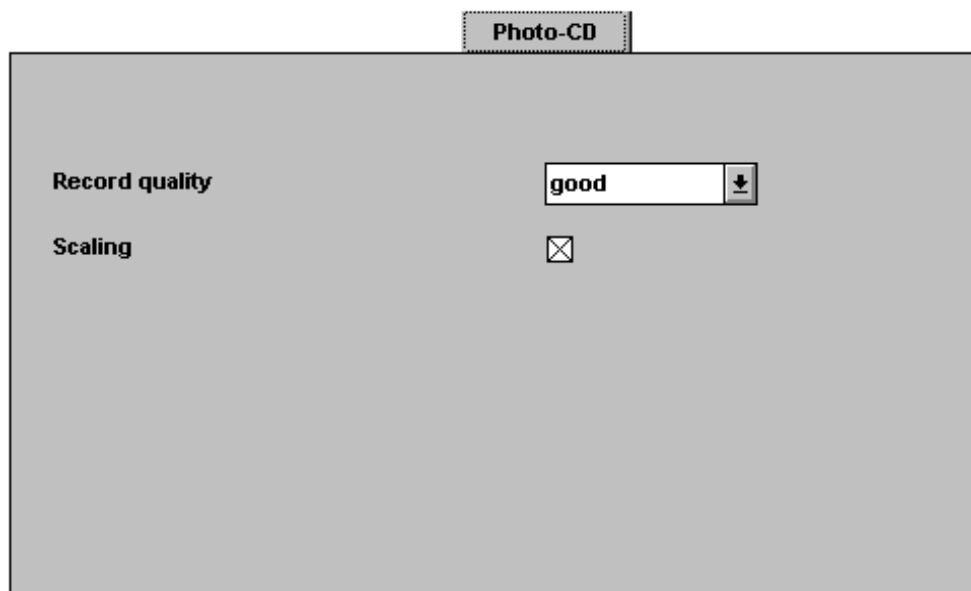
Max. picture width/Max. picture height:

Specify the max. picture width/height for the video image (only possible with software decoders).

Video output (MJPEG, miroVIDEO DC10):

Use this option to optimize the output of MJPEG videos: *Super-VHS*, *Composite Video*, *Accelerated Window*, *Standard Window*. With *Accelerated Window*, images are constructed more rapidly, but are not as sharp. *Standard Window* provides the highest quality.

Photo CD



The screenshot shows a dialog box titled "Photo-CD". It contains two settings:

- Record quality:** A dropdown menu currently set to "good" with a small icon to its right.
- Scaling:** A checkbox that is currently checked (indicated by an 'X' in the box).

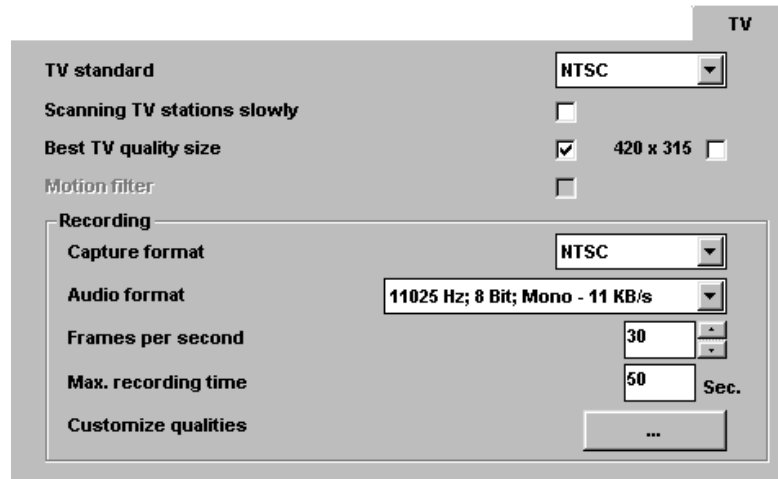
Record quality:

Select the quality for capturing photos when using the *Rec* button.

Scaling:

When clicking this options the photos will cover the whole screen.

TV



TV standard:

Please select here which TV standard you use.

Scanning TV stations slowly:

Normally the TV channels will be scanned automatically as soon as the TV control element is started. When no channels have been found, you can select this option to scan slower and more accurately.

Best TV quality size:

Graphics boards which do not support the miroMEDIA Manager may cause problems in the TV image together with the miroMEDIA PCTV board. You can solve these problems by enabling the *Best TV quality size* option. If there are still problems, enable the 420 x 315 option additionally.

Motion filter:

When enabling *Motion filter*, one field of the TV image is shown, if not two fields are shown.

Recording

If you have a miroVIDEO DC10 board installed in your computer, you can use the miroMEDIA Manager to control the recording of video. The video clips will be saved as *.AVI files.

Max. recording time:

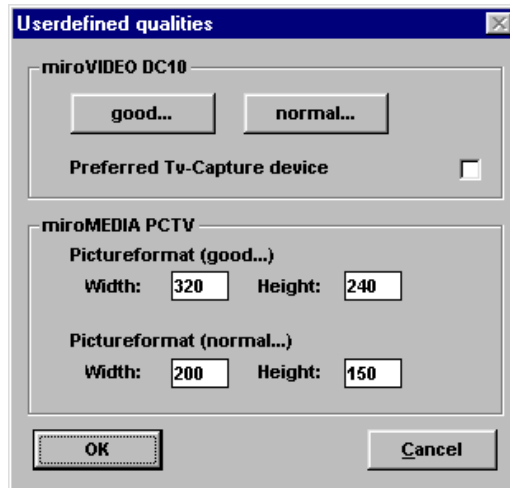
Here you can select the maximum time you want to capture video. If the capturing process is not stopped before, it will be stopped at the latest after this time. You can enter from 1 to 9999 seconds. The default is 10 seconds.

Frames per second:

Here you can enter the number of frames per second for capturing video. For the PAL and SECAM standard the default is 25 and for NTSC it is 30.

Customize qualities:

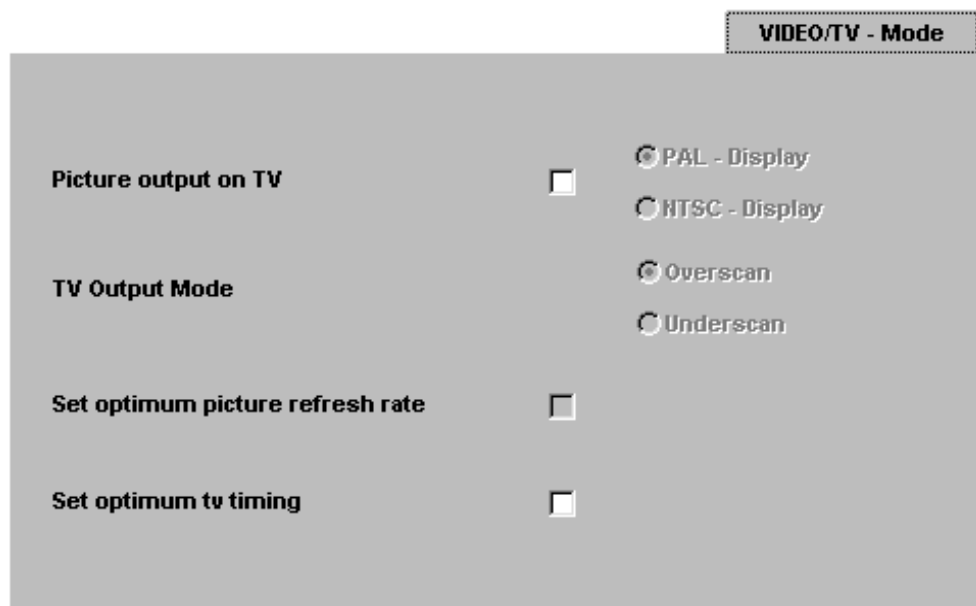
The miroMEDIA Manager lets you record video in several qualities. There are five pre-defined qualities (one of them for capturing single-frames) and two qualities you can define yourself. When you click on the *Define own qualities* button the following dialog box appears.



For the miroVIDEO DC10 board you can pre-define a good and a normal quality. When clicking the *good...* or the *normal...* buttons, first the *Video Settings* dialog box, then the *Video format* box is started. There you can make the required settings for the video capture. If you use the miroVIDEO DC10 board for capturing instead of the miroMEDIA PCTV board, click *Preferred TV capture device*.

You can predefine a large and a small image size for the miroMEDIA PCTV board.

Video/TV-Mode



Picture output on TV:

If you connected a TV set to your miroMEDIA View board in addition to the computer monitor, you can route the video image to the TV set.

TV Output Mode:

Here you can select the output mode for the TV output (only possible for PAL). In the underscan mode a TV image is displayed which you would normally see on your TV set. In the overscan mode the complete TV image (with a black margin) is displayed.

Set optimum picture refresh rate:

When you view video clips from video CD on your computer monitor, play

back MPEG files, or watch television, you can use this button to set the optimum picture refresh rate for displaying video.

Set optimum tv timing:

When enabling this option, your monitor switches to the PAL resolution (768 x 568 pixels).

miroMEDIA Remote	
Acceleration delay of miroMEDIA Remote:	slow fast
miroMEDIA Remote is connected to:	COM2

miroMEDIA Remote is connected to:
Select the interface to which you connected miroMEDIA Remote.

Recording	
Min. available disk space after recording:	1024 KB
Recording path:	C:\MIRO\RECORD\

10 miroMEDIA Manager

Telephone

Telephone

Use the phone numbers from miroOFFICE?

Path to data base:

Dial mode: ☒ Ton ☐ Pulse

Enable telephone answering machine ☐

Max. recording time: Sek.

Ring count:

Path to messages:

Path to recorded calls:

Password for remote control

Use the phone numbers from miroOFFICE?

Select here if you want to use the telephone numbers from the miroOFFICE package.

Path to data bank:

If you want to use the numbers from the miroOFFICE package, enter the path of the data base.

Dial mode:

Select either the tone dial mode or the pulse dial mode depending on the dial mode you use with miroCONNECT 34/miroMEDIA Online.

Enable telephone answering machine:

Here you can enable the telephone answering machine the miroMEDIA Manager provides.

Max. recording time:

You can enter the maximum recording time you want to use to record calls.

Ring count:

Please enter the number of rings before the telephone answering machine will answer.

Path to messages:

Enter the path where you want to save the recorded messages.

Path to recorded calls:

Please enter the path where you want to save the recorded calls.

Password for remote control:

If you wish to access your answering machine via remote access, enter a three-digit number which you can use as password. The default number is 000 which disables the remote access.

Radio

Radio

Record quality

good

↓

Audio level

20

↑

↓

%

Max. record time

20.

Sec

Record quality:

Lets you select the recording quality used when you press the *Rec* button.

Audio level:

Lets you select the audio level for the recording.

Max. record time:

Selects the recording time used when pressing the *Rec* button.

Teletext

Teletext		
Topic	Channel	Pages
Music	MTV 	100,110
Sports	EUROSPORT 	235-240
News	CNN 	460,480-485
		
		

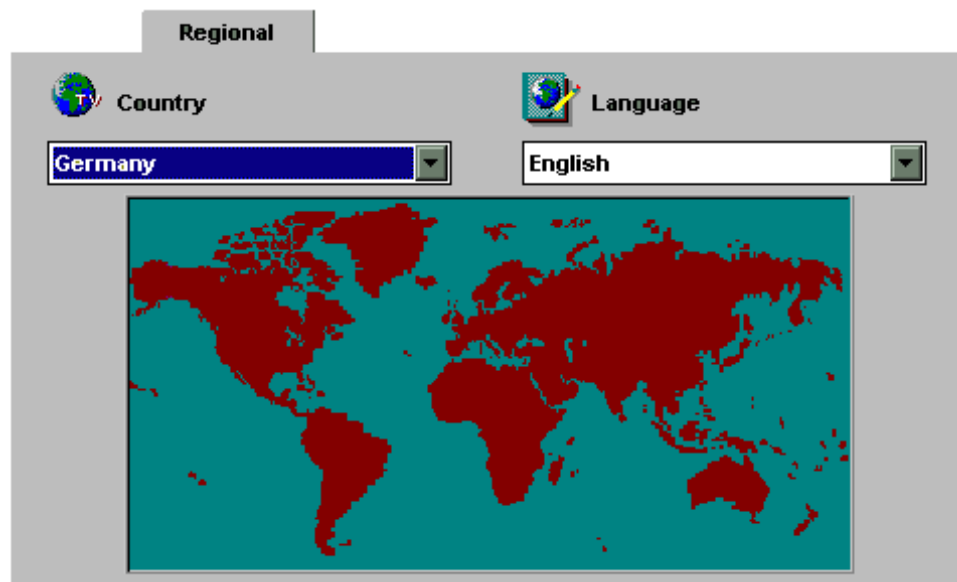
Enter the topics and enter the channels you prefer and the corresponding pages. Separate the page numbers by commas and by hyphens.

Internet

Internet	
Call to internet browser:	
Homepage:	http://www.miro.de
Deactivate Internetbutton when no call is defined	☐

The miroMEDIA Manager allows to call your Internet browser. To be able to do so, you have to specify the path of your Internet browser under *Call to internet browser*. Under *Homepage* you can enter the page you want to see first when starting the browser. You can remove the internet button from the icon bar by enabling the *Deactivate Internetbutton when no call is defined* check box.

Regional



Under *Regional* you can make country and language settings for the miroMEDIA Manager. Under country you can select the country where you are currently staying. This is required for the TV function of the miroMEDIA Manager.

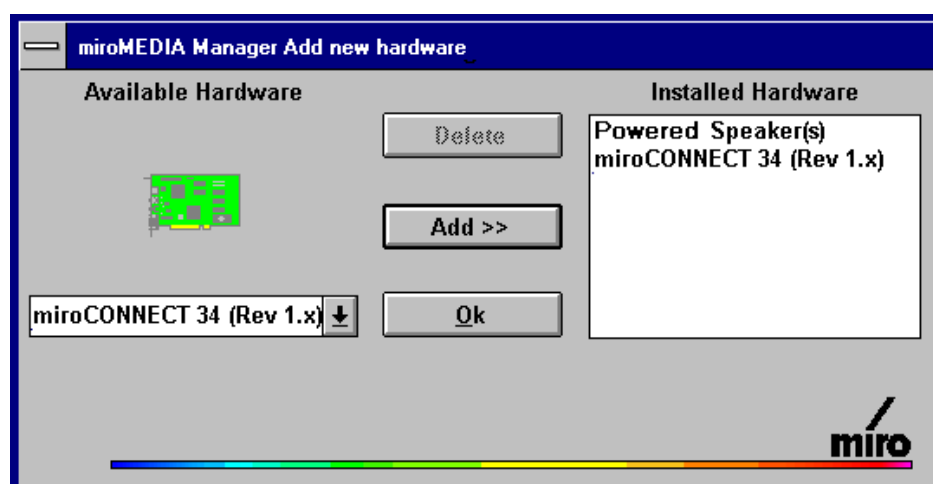
Under *Language* you can select different miroMEDIA Manager language version.

New configuration

If you install new hardware components you want to control using the miroMEDIA Manager or you changed the connections after you installed the miroMEDIA Manager, you have to re-configure the miroMEDIA Manager. To do so, call the Add new hardware and the Configuration programs from the miroMEDIA Manager program group.

Add new hardware

1. Call the *Add new hardware* program from the miroMEDIA Manager program group.



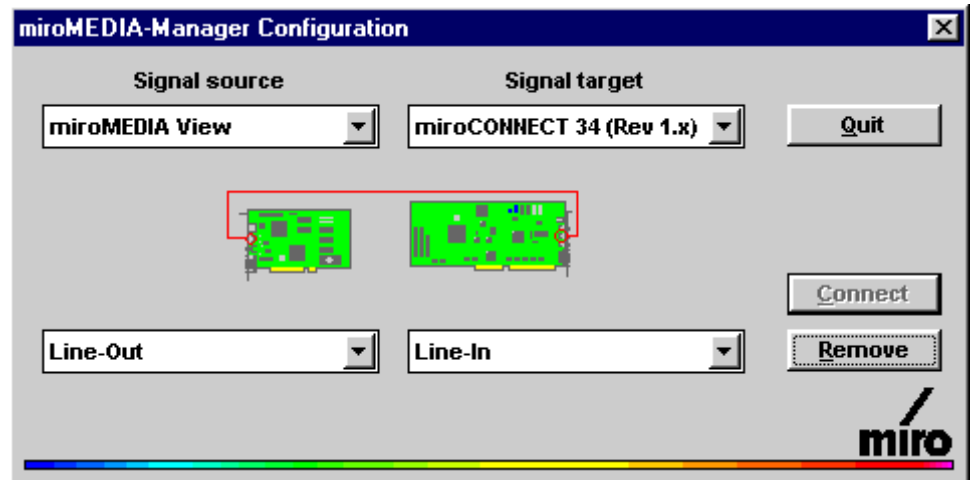
2. Open the *Available Hardware* list box.
3. Select the item you want to add to the list.
4. Click *Add*.
5. If you want to add other hardware components, repeat the two preceding steps.

Specifying the connections

6. Click OK.

7. When being asked if you want to configure the hardware, answer Yes.

To be able to operate your hardware and your devices you just installed with the miroMEDIA Manager, specify in the *miroMEDIA Manager Configuration* dialog box how these components are connected to each other. This configuration is necessary for the miroMEDIA Manager to recognize the hardware connections.



Specify the connections of your hardware in the following way:

1. Start the *Configuration* program from the miroMEDIA Manager program group.
2. Select a hardware component in the list box at the top on the left-hand side under *Signal source*.
3. In the list box at the top on the right-hand side under *Signal target*, select the component to which the signal source output is connected.
4. In the list box at the bottom on the left-hand side under *Signal source*, select the output of this component.
5. In the list box at the bottom on the right-hand side under *Signal target*, select the input of this target component.
6. Click *Connect*.
7. Repeat the preceding five steps for other hardware components.
8. After you specified all connections, click *Quit*.

Installing miroMEDIA Remote

If you want to use miroMEDIA Remote to operate the miroMEDIA Managers, install the miroMEDIA Remote hardware and software.



Using the miroMEDIA Manager

miroMEDIA Manager PROGRAMS

The miroMEDIA Manager software includes the following programs:

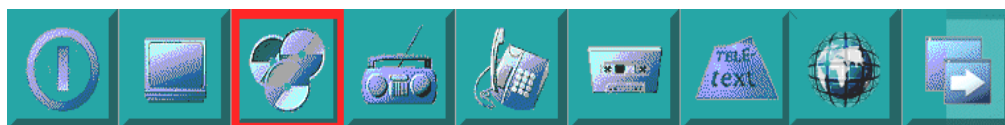
- ♦ miroMEDIA Manager,
- ♦ Add new hardware (for selecting the hardware you want to operate using the miroMEDIA Manager),
- ♦ Configure hardware (for specifying the connections),
- ♦ User settings (for configuring the interface and the parameters),
- ♦ Deinstallation.

STARTING THE miroMEDIA Manager

To start the miroMEDIA Manager,

- click the miroMEDIA Manager icon in the miroMEDIA Manager program group or in the Windows 95 desktop.

First, you see a start-up screen. At the bottom is a bar consisting of icons representing the multimedia devices installed in your computer, e.g. TV, CD player, radio, telephone. You will see the icons for those devices you specified in the *Add New hardware* and *Hardware Configuration* dialog.



Icon bar

OPERATION

Switching devices on

To be able to switch a device on, proceed as follows:

1. Select a device by moving the mouse on the icon bar or by using the arrow key on the remote control or the keyboard. A frame appears around the selected icon.
2. *Mouse*: click the device icon.
miroMEDIA Remote (remote control): press the OK button.
Keyboard: Press <↵>.

The icon background color will then change from blue to golden showing you that the device is active. “Active” means that is the device is ready to play back video and audio CDs, record audio or video data etc.

When a device is active, the control elements for the selected device (red frame) will be shown.

Control elements for video or TV devices disappear when they have not been used for a while. You can specify the amount of time it takes until the control elements disappear in the *User settings* program under *Shell*.

**Switching
control elements
off/on**

To switch the devices off, proceed as follows:

- *Mouse*: click the device icon in the icon bar.
miroMEDIA Remote (remote control): press the  button.
Keyboard: click <Esc>.

To enable a control element,

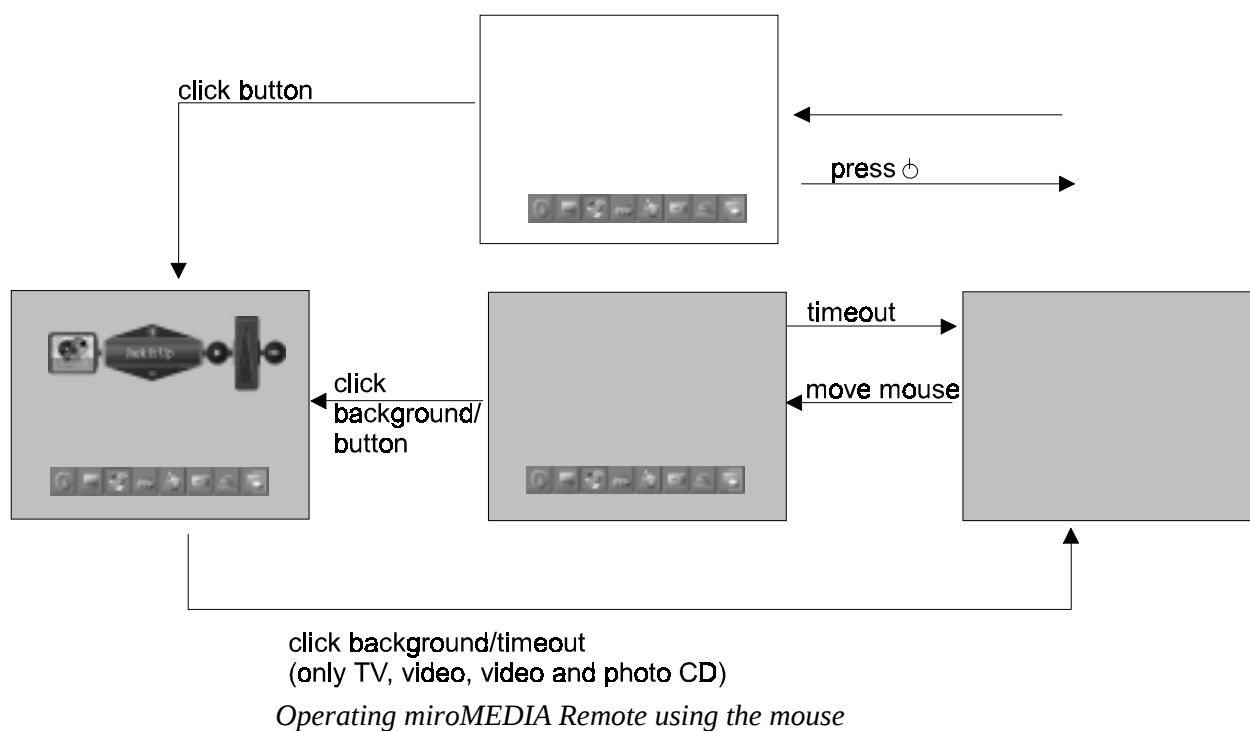
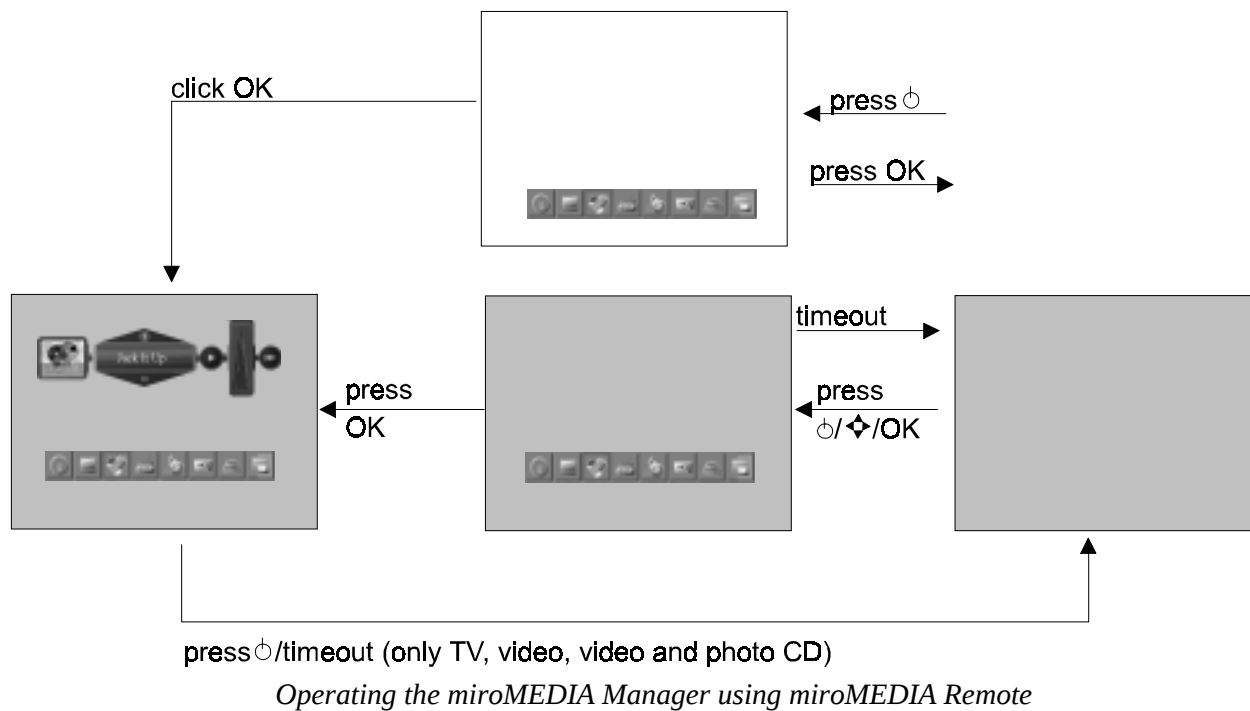
- *Mouse*: click on the background.
miroMEDIA Remote (remote control): press the  key, the  arrow keys or the *OK* key.
Keyboard: Click <↵>.

**Switching icon
bar on**

To switch the icon bar on after it has disappeared,

- *Mouse*: move the mouse.
miroMEDIA Remote (remote control): press the , the *OK* button, or the arrow keys .
Keyboard: click <↵>, <Esc> or the arrow keys.

The following diagrams shall give you a quick overview over the operation of the miroMEDIA Manager and miroMEDIA Remote.



BASIC ELEMENTS

Icon bar

The elements of the icon bar represent the devices integrated in your computer:



off TV CD player Radio Telephone Player Teletext Internet Windows

Use this icon, to close the miroMEDIA Manager:



Close

Use this icon to minimize the miroMEDIA Manager on your Windows desktop:



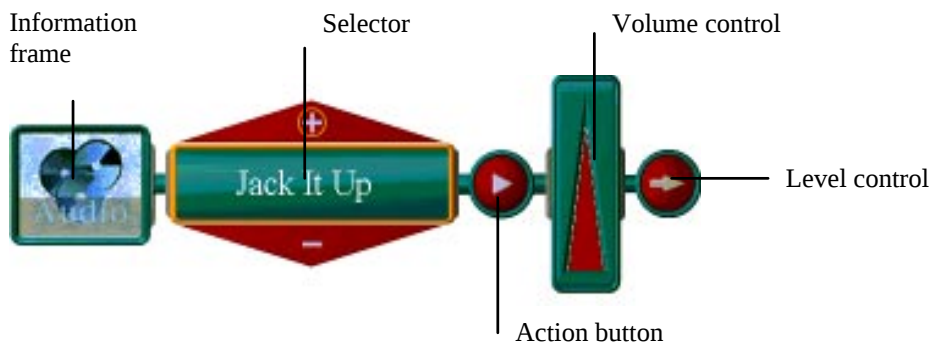
Windows desktop

Use this button to quit the miroMEDIA Manager environment and to go back to the Windows environment. The miroMEDIA Manager will then appear as a minimized horizontal icon bar on the screen. The TV, video CD, and teletext function have a Windows-compatible user interface.

Basic control elements

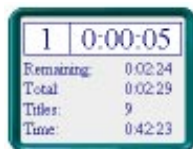
To activate a basic action button,

- click or double-click one of the icons.



The basic control element usually consist of an **information frame**, a **selector**, a **basic action button**, a **volume control** and a **level control** to go to a more complex control level.

Information frame The information frame displays complex information, such as the preview of photo, video CD and TV images, program and image information.



Selector The selector lets you choose CD titles, channels etc. To scroll through options, use the mouse, the + and – keys of the remote control (miroMEDIA Remote) or the ↑/↓ keys on the keyboard. For some function clicking on the selection box, brings up a list of channels, telephone numbers etc. To select TV channels or radio stations etc., you may also type in the first letter of the channel/station name.



Volume control The volume control allows you to adjust continuous parameters such as volume, brightness, or contrast. The intensity of these parameters is represented by the size of the red pyramid.



- ♦ *Mouse operation:*
Click the red pyramid and drag it into the desired direction. You can also click into the pyramid and the pyramid will follow the mouse click. Click the outer turquoise area to switch the sound off (muting).
- ♦ *miroMEDIA Remote (remote control):*
Pressing the Vol + or the Vol - keys increases/decreases the pyramid and the parameter you want to change. Use the  key to mute the volume.
- ♦ *Keyboard:*
Use the ←/→ keys to move to the selector and press the ↑/↓ keys. The <↵> key toggles muting on and off.

Basic action button The basic action button has only one function you can start by clicking the button, e.g. playing a CD. When clicking this element, the color changes briefly.



Level control The level control allows you to switch to a more complex action button.



The basic action buttons change their appearance for example when CDs are being played back.



Rec button This button lets you record sound while e.g. CDs are played back. You can specify the duration of the recording using the *User settings* program. The files will be saved to the directory you specified in the *User settings* program.

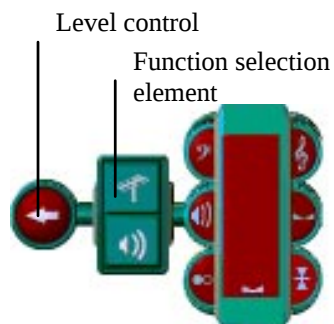
Complex action button In contrast to the basic action button, the complex action button offers you several buttons. A complex action button can be for example the title, position, pause button for the CD player. If the pause key has been pressed, it blinks so that you can recognize the state of the device immediately.



Complex control elements

To enable complex control elements,

- click the level control button (right arrow).

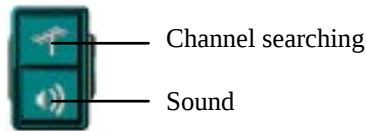


Complex control elements provide further settings for the active device (TV, CD player etc.).

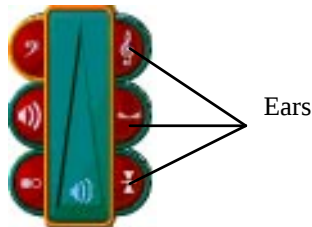
Level control Use the level control to switch from the complex control element to the basic control element.



Function selector You can use the function selector to select the desired function. In the example below these are the functions *Channel searching* and *Sound*.



“Ears” The ears attached to the volume control let you select the property you want to change.



CD-ROM

The function range of this module depends on the type of CD inserted in the CD-ROM drive (audio, photo or video CD). When clicking the CD button in the icon bar, the color of the button changes and the type of the inserted CD will be recognized. Depending on the CD type, the audio CD, photo CD or video CD will appear in the middle of the screen.

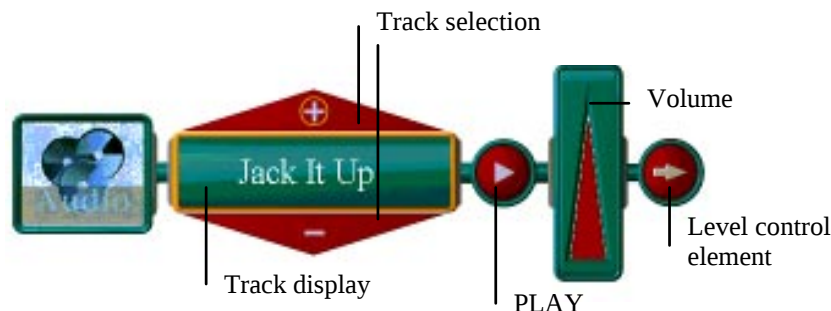
If you enabled the *Eject empty tray* option in the *User Settings* program, the CD tray opens automatically when you click the CD icon and if there is no CD in the tray.

Audio CD

The control elements for audio CDs let you:

- ♦ control the playback (*START, STOP, PAUSE*),
- ♦ adjust the volume,
- ♦ mute the sound,
- ♦ adjust the sound quality (pitch, bass, balance),
- ♦ select a title,
- ♦ view information on the title,
- ♦ record the sound display as *.WAV file to hard disk.

Audio CD inserted When an audio CD is inserted, the following control element appears:



The control element shows either the title or the number and duration of the current track. The title only appears if it has been registered already (under

Windows 95 with the CD-Player). If you click on the track display, a list of tracks pops up.

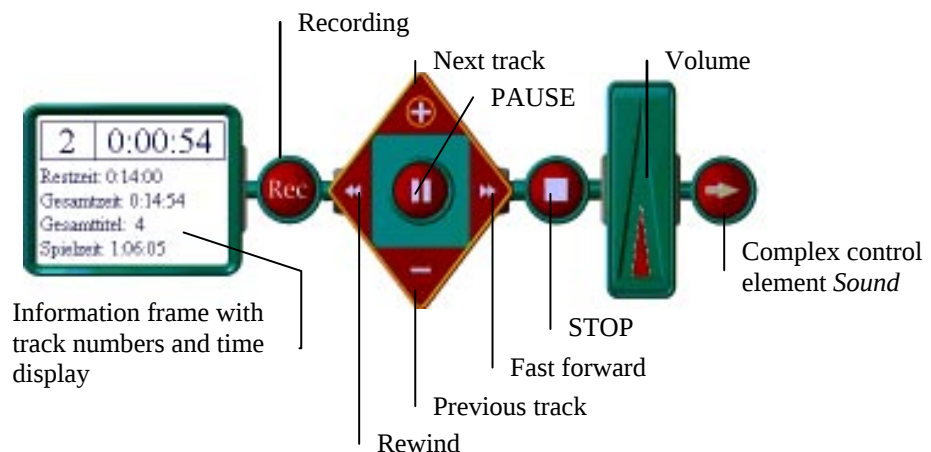
The longer you press the +/- buttons the quicker the titles scroll through the track display.

To adjust the volume, use the volume control.

The basic control element disappears by clicking the device icon or pressing the <Esc> key. To enable the complex control element *Sound* click the right arrow.

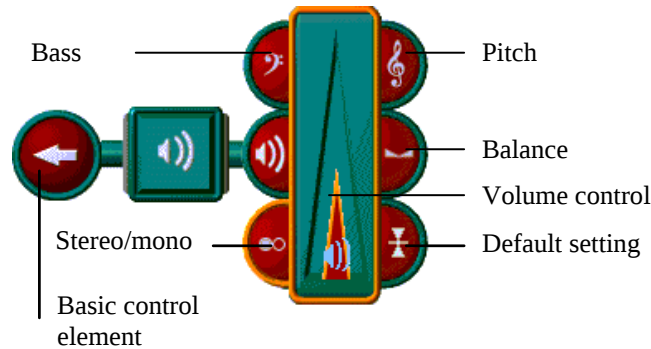
Action	Function
information frame	no function
+ button	the selector displays the next track
– button	the selector displays the previous track
PLAY	the selected track is played back, the control element switches to the active mode
pyramid area	volume changes
turquoise area	muting on/off
right arrow	switches to the complex <i>Sound</i> control element

Playing back When clicking the *PLAY* key, the control element switches to the active mode. The selected track will be played back. *PLAY* changes into *STOP*. When pressing *PAUSE*, the current track stops and the button blinks.



Action	Function
information frame	no function
Rec button	recording after a predefined time with a predefined quality
next track button	next track is played back
previous track button	goes to the beginning of the current track, then to the previous ones
fast forward button	current track is winded forward
rewind button	current track is rewinded
PAUSE button	current track is stopped, <i>PAUSE</i> blinks
STOP button	current track is stopped, control element changes into the passive mode
pyramid area	volume changes
turquoise area	muting on/off
right arrow	switches to the complex sound control element

Sound After clicking on the right arrow in the basic control element *audio CD*, the complex control element *Sound* appears.



The ears attached to the volume control let you assign the selected property (e.g. pitch) to the control. The property is displayed at the bottom of the control. Use the volume control, to adjust the selected property. For *balance* the pyramid converts into a rhombus.

Audio CD and Windows 95 During the miroMEDIA Manager installation the AutoPlay function under Windows 95 has been switched off. To switch this function on again, proceed as follows:

1. Double-click the *My Computer* icon.
2. In the *View* menu, select the *Options...* command.
3. Under *File Types*, select *Audio CD*.
4. Click *Edit*.
5. Enter *CDPLAYER.EXE* and select *Run* under *Action*.

Video CD

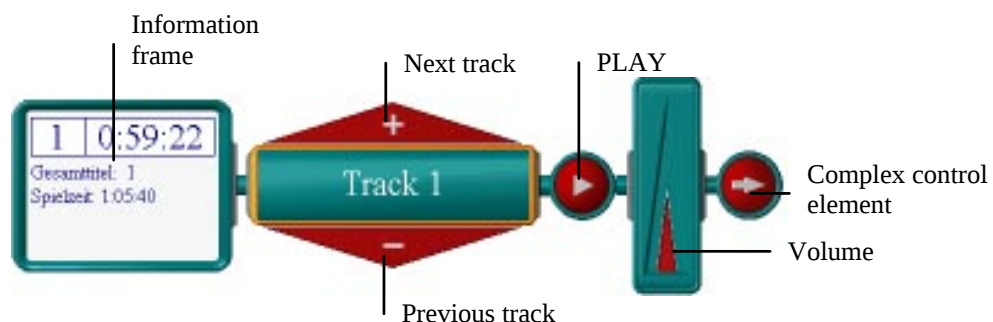
The control elements for Video CDs let you:

- ♦ control the playback (*START*, *STOP*, *PAUSE*),
- ♦ set the full-screen mode,
- ♦ adjust the volume,
- ♦ mute the sound,
- ♦ adjust the sound quality (pitch, bass, balance),
- ♦ select a title,
- ♦ view information on the title,
- ♦ record the video signal as *.MPG file to hard disk.



If the TV function is active and you enable a Video CD function, the TV function is automatically disabled.

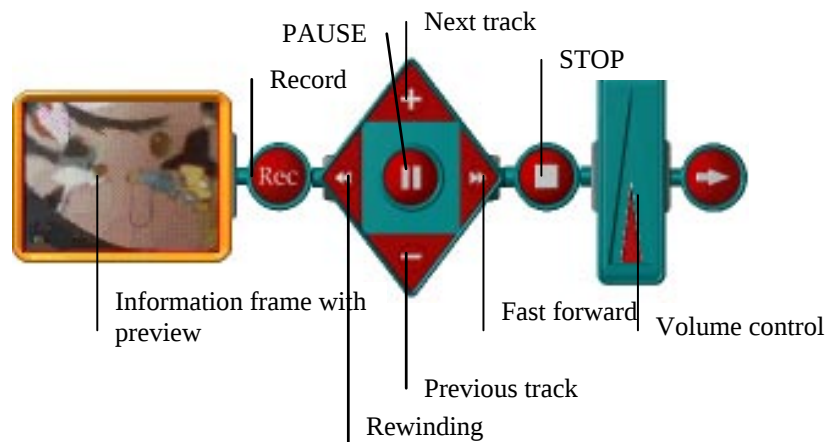
The information frame shows you information on the video clip saved on the CD. After clicking the *PLAY* button the information frame displays (plays back) the video. Clicking on the information frame maximizes the video to full-screen size, clicking the frame again minimizes the video.



You can browse through the videos saved on the video CD using the +/- buttons. To set the volume, use the volume control. Click the arrow to call up the complex *Color* control element.

Action	Function
information frame	toggles between full-screen/preview
<i>Next track</i> button	title of the next video is displayed, information frame displays a frame of this video
<i>Previous track</i> button	title of the previous video is displayed, information frame displays a frame of this video
<i>PLAY</i> button	selected video is played back in the information frame, control element switches to the active mode
within the pyramid area	changes the volume
turquoise area in the volume control	muting on/off
arrow	switches to the complex <i>Color</i> control element

During playback If you clicked the *PLAY* key, the control element switches to the active mode. The selected video is played back in the information frame. *PLAY* changes into *STOP*. When pressing the *PAUSE* button, the video stops and the button blinks.



Action	Function
information frame	switching between full-screen/preview
Rec button	records a predefined time with a predefined quality
Next track button	next track is played back
Previous track button	title of the previous track is played back
Fast forward button	current video winds fast forward
Rewind button	current video rewinds
STOP button	current video is stopped, control element changes into the passive mode
within the pyramid	volume changes
turquoise area in the volume control	muting on/off
arrow	switches to the complex control element <i>Sound</i>

Sound When clicking on the arrow in the *Video CD* actor, the complex *Sound* actor appears.

This actor has been described for the Audio-CD function.

Video CD under Windows

In the Windows environment the following window appears for the video CD function.



The function for the individual buttons are:



Jumps one video clip back.



Rewind.



Pause. If you press the button a second time the playback continues at this place.



Fast forward.



Jumps one video clip forward.



Stops the current video clip.



Lowers the volume.



Muting.



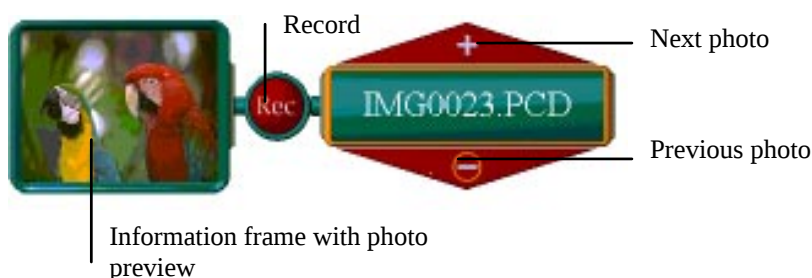
Increases the volume.

When you click on the system menu (left upper edge), you can choose between several image sizes. At the 4:3 option the image will be displayed at the usual 4:3 ratio of width to height, 16:9 corresponds to the cinemascope format. In addition, you can select the original size, the original size (x2), the original size (x3), and the original size (x4) to select either once, twice, three times, or four times the original size. *Always on top* puts the TV image in the foreground.

Photo CD

The control elements for photo CDs let you:

- ♦ browse,
- ♦ select the full-screen mode.



The information frame shows the first image saved on the CD. When clicking the information frame, the photo is shown in the full-screen mode. When clicking the image again the image will appear in the information frame.

To browse through the photos saved on the photo CD use the + and – keys.

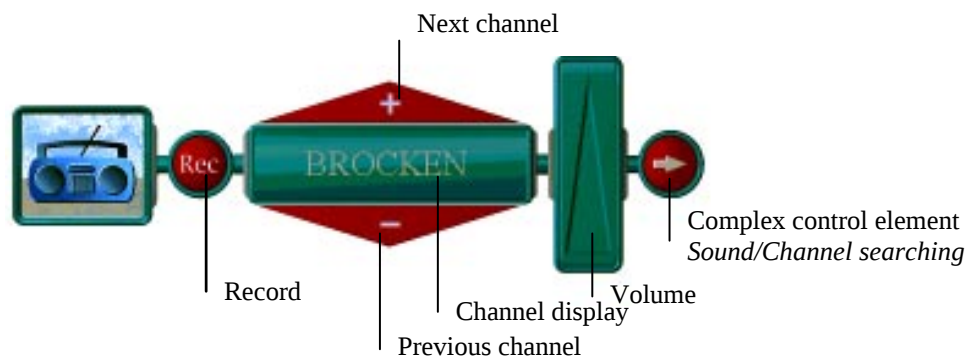
RADIO

The control elements for the radio function let you:

- ♦ select channels,
- ♦ adjust the volume,
- ♦ mute the sound,
- ♦ adjust the sound quality (pitch, bass, balance),
- ♦ search for channels automatically,
- ♦ configure the channel allocation (add/delete channels, change the list order),
- ♦ view the frequency and the RDS text,
- ♦ record the selected channel as *.WAV file on hard disk.

After you selected the radio icon, the color of the button changes and the basic control element *Radio* is displayed in the middle of the screen.

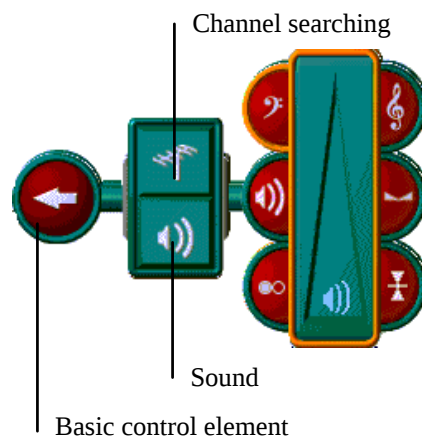
After you called the program for the first time, the channels are allocated to subsequent program positions. After that has done the channel you listened to last will be selected and shown in the channel display.



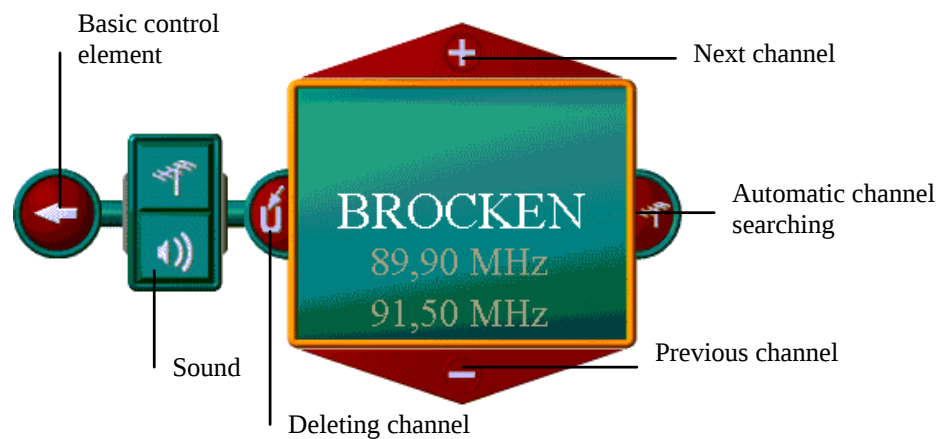
Simultaneously you will be listening to the displayed channel. To adjust the volume, use the volume control. You will only hear the sound of the active control element (radio). To make the basic control element *Radio* disappear, click the device icon or the <Esc> key, to call the complex control element *Sound*, click the right arrow.

Action	Function
information frame	no function
<i>Rec</i> button	recording a predefined time with a predefined quality
<i>next channel</i> button	goes to the next channel
<i>previous track</i> button	goes to the previous channel
pyramid area	volume changes
turquoise area	muting on/off
right arrow	switches to the complex sound control element

Sound After you clicked on the right arrow in the basic control element *Radio*, the complex actor *Sound* appears on the screen. The sound functions of this control element are identical with the control element described in the *Sound* section.



Channel settings If you click the *Channel settings* icon, the complex *Channel settings* control element appears.



Action	Function
<i>Sound</i> button	switches to the <i>Sound</i> control element
<i>Deleting channel</i> button	deletes channel information
<i>Next channel</i> button	selects the next channel
<i>Previous channel</i> button	selects the previous channel
<i>Channel searching</i> button	starts channel searching

TV

The TV controls allow you to:

- ♦ select channels,
- ♦ adjust the volume,
- ♦ mute the sound,
- ♦ adjust the image parameters (contrast, brightness, saturation, sharpness),
- ♦ adjust the sound (pitch, bass, balance),
- ♦ set the fullscreen mode for the TV image,
- ♦ preview the current TV image and view the title of the current channel from teletext,
- ♦ search channels automatically and enter the channel names,
- ♦ configure the channel allocation (adding/deleting channels, change the list order and names),
- ♦ save a single frame from the current TV programme as BMP file or a video clip as AVI file*.



When you switch on the TV function while the video CD function is active, the video CD function is automatically switched off.

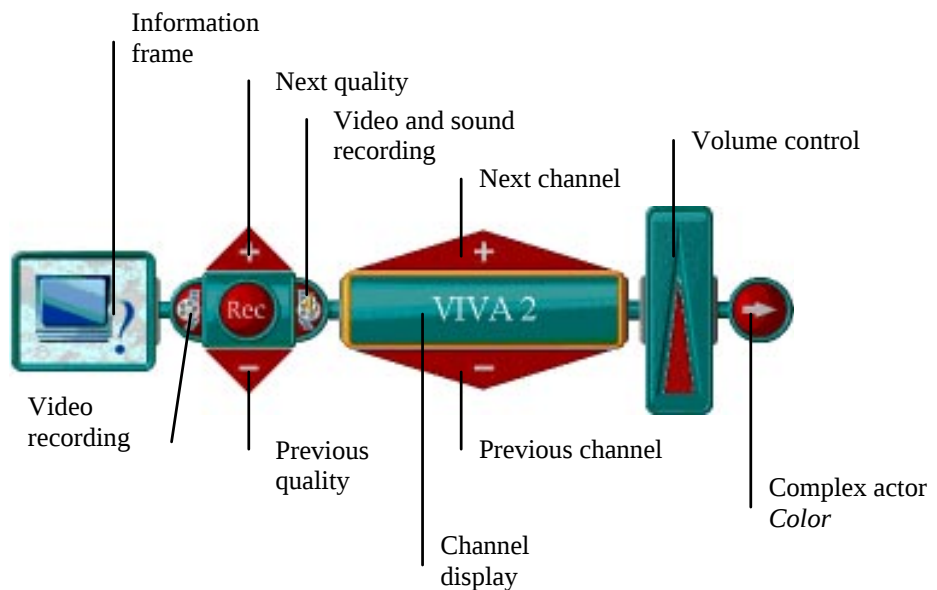
* Only possible if a miroVIDEO DC10 board is installed in your computer.

To enable the TV control element,

- click the TV button in the icon bar.

If you start the TV function for the first time, the channels are saved sequentially on the program places. When clicking the information frame, the TV image is displayed in the information frame.

After the channels have been saved, the TV image appears in the full-screen mode. The basic TV control element appears in the middle of the screen on the running TV image. The channel which was selected last is displayed in the channel display.



Capturing video[†]

At the same time, you will see the TV image in the information frame or in the full-screen mode. To set the volume, use the volume control.

To capture video or single-frames from the running program, you can use the recording button. When clicking on the left “ear”, video will be captured, clicking the right “ear”, video and sound will be recorded.

If the miroMEDIA Manager does not find a sound device, the right “ear” will be dimmed. During capturing the *Rec* button appears. You can stop capturing by clicking the left mouse key or the <ESC> key. Capturing stops automatically when the maximum recording time you selected in the User Configuration under *TV* has been reached or when only the minimum hard disk space you selected in the User configuration under *Recording* is left. The files will be saved in the directory you selected under *Recording*.

Before you start to capture video, you can select the quality. If you click the recording button (a golden frame appears), you will see an image in the frame which stands for the currently selected recording quality. The “+” and “-” buttons, the corresponding keys on the remote control or the <Arrow up> and < Arrow down> keys on the keyboard, let you select the quality. The following qualities are available: very good, good, medium, poor, a

[†] For the connections of the miroVIDEO DC10 and the miro TV tuner board (e.g. miroMEDIA PCTV), please refer to the “miroVIDEO DC10 and miro TV tuner board” section in the Appendix.

user-defined “good” and a user-defined “poor” quality. You can specify the qualities in the User configuration under *TV*.

Capture quality

The TV module of the miroMEDIA Managers supports six quality levels for capturing video. Four quality levels are fixed. Two more can be defined in the *miroMEDIA Manager User Configuration*. You can also capture single-frames.

Quality 1:



	Data rate	PAL(4:3)	NTSC(4:3)	SECAM(4:3)
miroVIDEO DC10	1800Kb/s	360 * 540	304 * 456	360 * 540
miroMEDIA PCTV	1800Kb/s	352 * 264	296 * 222	558 * 264

Quality 2:



	Data rate	PAL(4:3)	NTSC(4:3)	SECAM(4:3)
miroVIDEO DC10	900Kb/s	360 * 540	304 * 456	360 * 540
miroMEDIA PCTV	900Kb/s	264 * 198	222 * 165	264 * 198

Quality 3:



	Data rate	PAL(4:3)	NTSC(4:3)	SECAM(4:3)
miroVIDEO DC10	900Kb/s	360 * 270	304 * 228	360 * 270
miroMEDIA PCTV	900Kb/s	176 * 132	148 * 111	176 * 132

Quality 4:



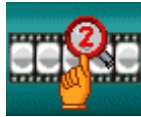
	Data rate	PAL(4:3)	NTSC(4:3)	SECAM(4:3)
miroVIDEO DC10	450Kb/s	360 * 270	304 * 228	360 * 270
miroMEDIA PCTV	450Kb/s	132 * 99	111 * 83	132 * 99

User-defined quality 1:



	Data rate	PAL(4:3)	NTSC(4:3)	SECAM(4:3)
miroVIDEO DC10	1400Kb/s	360 * 270	304 * 228	360 * 270
miroMEDIA PCTV	1400Kb/s	200 * 190	222 * 190	200 * 190

User-defined quality 2:



miroVIDEO DC10
miroMEDIA PCTV

Data rate	PAL(4:3)	NTSC(4:3)	SECAM(4:3)
700Kb/s	360 * 270	304 * 228	360 * 270
700Kb/s	200 * 190	222 * 190	200 * 190

Single-frame:



To make the basic TV control element invisible, click the device icon or press the <Esc> key.

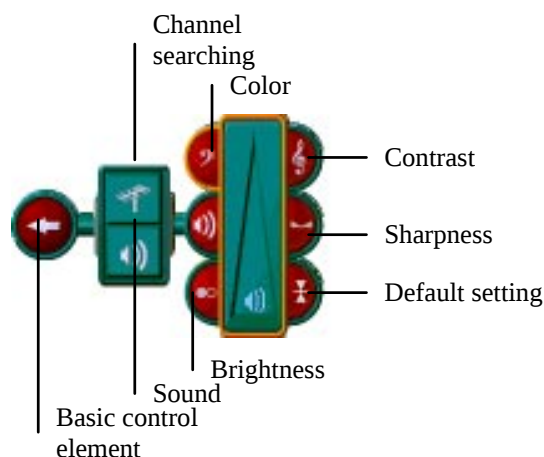
To go to the complex TV control element color setting, click the arrow.



If no miroVIDEO DC10 or miroMEDIA PCTV board is installed in your computer, the simple *Rec* button appears instead of the complex one.

Action	Function
information frame	toggles between full-screen and preview
Next channel button	shows the next channel, channel name is updated
Video recording button	records video
Video and sound recording button	records video and sound
Next quality button	switches to the next recording quality
Previous quality button	switches to the previous recording quality
Previous channel button	shows the previous channel, channel name is updated
within the pyramid	changes the volume
turquoise area in the volume control	switches muting on/off
level control	switches to the complex control element <i>Color</i>

Color Clicking the arrow in the basic TV control element starts the complex *Color* control element.



Use the ears attached to the volume control to select the property you want to change. The property which is currently selected is displayed in the volume control.

Action	Function
arrow	switches to the basic control element
function frame <i>Channel searching</i>	switches to the complex control element <i>Channel searching</i>
function frame <i>Sound</i>	switches to the complex control element <i>Sound</i>
<i>Color</i> button	assigns the color property to the volume control
<i>Volume</i> button	assigns the volume property to the volume control
<i>Brightness</i> button	assigns the brightness property to the volume control
<i>Contrast</i> button	assigns the contrast property to the volume control
<i>Sharpness</i> button	assigns the sharpness property to the volume control
within the pyramid	changes the selected property
turquoise area when <i>Volume</i> is active	muting on/off

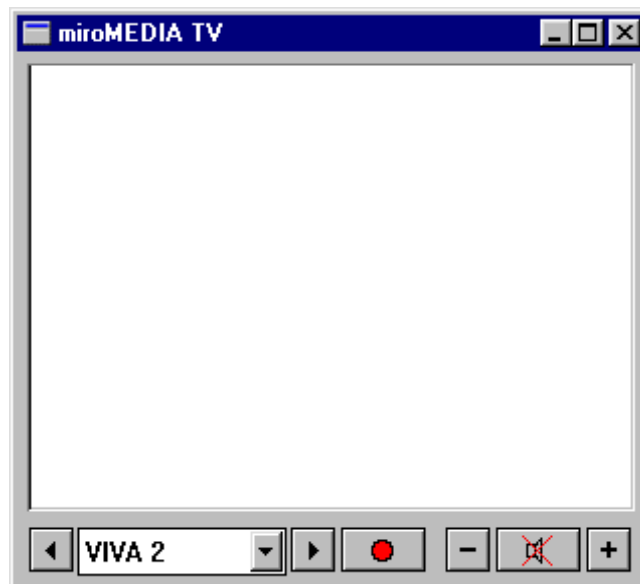
- Channel searching** The complex control element *Channel searching* works like in the radio function.
- Sound** The control element *Sound* works like in the Audio-CD and in the radio function.

TV under Windows

In the Windows environment the TV window looks like the one shown below. Click on the arrows directly next to the displayed station to select stations, or click on the + and - buttons to adjust the volume, and the crossed out loudspeaker to turn the sound off.

When clicking the system menu (left upper corner), you have three options *3:4*, *16:19*, and *Always on top*. For the *4:3* option the TV image is displayed in the normal 4:3 ratio, 16:9 corresponds to the cinemascope format, and *Always on top* lets the TV image lie always on top.

If you have installed a video capture board (miroVIDEO DC10 or a miroMEDIA PCTV) in your computer, you can record video clips or single-frames from the running program. To do so, click the record button (red dot). To play back the recorded clip, click the arrow to the left of the recording button.



TELEPHONE

Dialling properties

Before using the miroMEDIA Manager, it is required that you select the dialling properties under Windows 95.

To enter the dialling properties under Windows 95,

1. select the *Control Panel* from the *Start* menu.
2. Select *Modems*.
3. Under *General* click on *Dialing Properties*.

Enter the data for your country (country, local number) and confirm your entries.

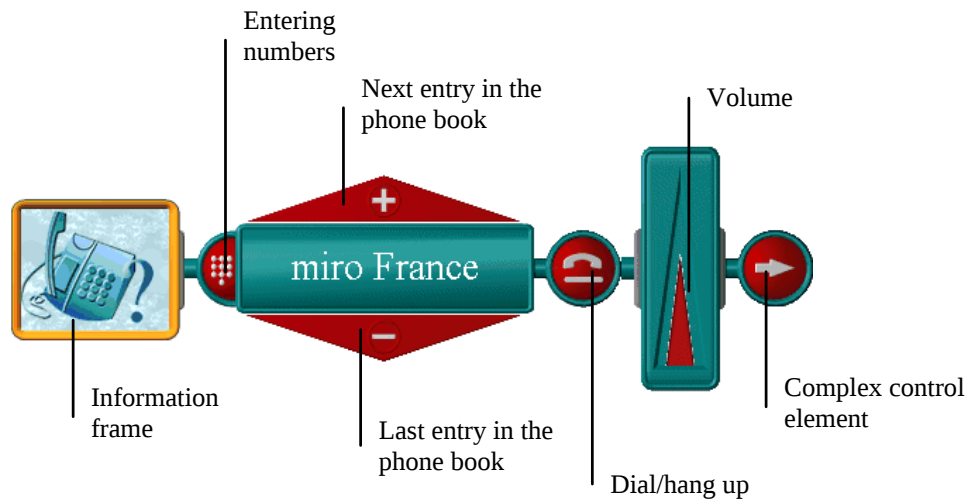
Functions

The telephone control element offers you the following functions:

- ♦ direct dialling,
- ♦ dialling list,
- ♦ muting,
- ♦ configuration of the dialling list (adding/deleting entries, changing the list order, changing the entry, recording the current conversation),
- ♦ muting,
- ♦ answering machine.

If you already entered some numbers in the telephone book and you click on the *Telephone* button, you go to the control element where you can enter telephone numbers (see page 37).

When you used the telephone function of the miroMEDIA Manager already, the simple *Telephone* control element will be displayed in the middle of the screen. The selection box shows the person you called last.



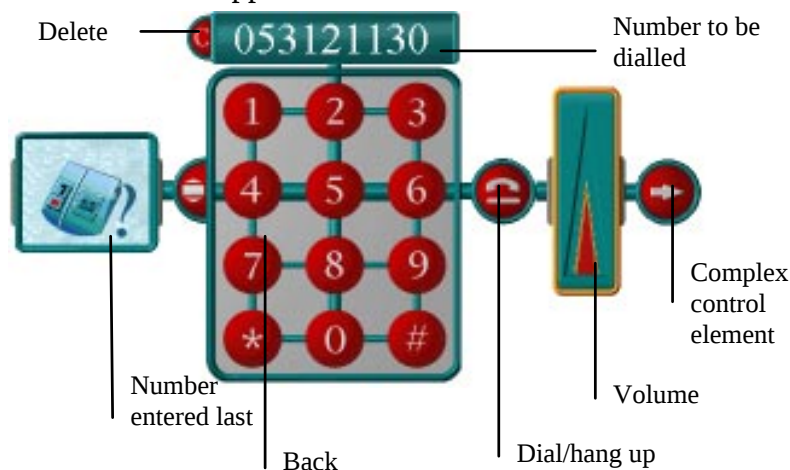
When clicking on the selection box, the telephone list pops up.

Use the *Dial/Hang up* button to dial the number of the selected person. After the call has been completed, use this button to hang up. You can only hear the sound of the active control element (telephone).

Action	Function
Information frame	switches the answering machine on/off
Entering numbers button	switches to the <i>Entering numbers</i> control element
Next entry button	shows the next entry in the phone book, information frame shows number
Previous entry button	shows the previous entry in the phone book, information frame shows number
Dial/hang up button	dials the number of the selected entry, hang up
arrow	switches to the complex <i>Phone book</i> control element

Entering numbers

When you use the telephone function of the miroMEDIA Manager for the first time or when pressing the *Entering numbers* button, the following control element appears.

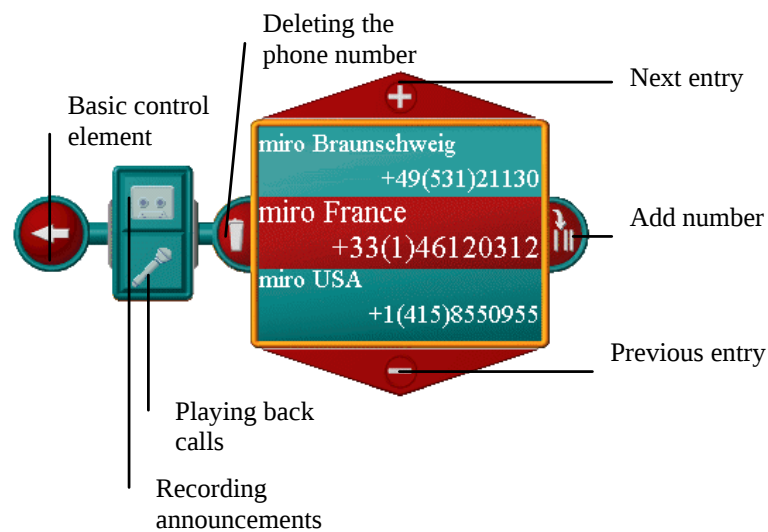


Before you dial a number, please make sure to enter the dialling parameters under Windows 95 (see page **Fehler! Textmarke nicht definiert.**). You can dial the numbers as you do on a usual telephone. Then, you can either click the *Dial* button or switch to the complex control element to enter the entered telephone number into the telephone book.

In case you use the miroMEDIA Manager e.g. on a laptop and you use the telephone function in different places, it is recommended to enter the complete number like this +49(531)2113876 (+49 is the country code without the zeroes, (531) is the local code). If you want to call from another country and enter the number of the country where you are staying in the *Dialing parameter* dialog box (see page **Fehler! Textmarke nicht definiert.**), the numbers from the phone book are automatically dialled with the correct dialling code.

At the top of this control element the number of the number you dialed last appears. When pressing the *Delete* button now, the number is deleted. Use the numerical keys to enter a number. You can use the *Delete* button to delete the number entered last. Use the *Back* button to go back to the previous control element. The *Dial/hang up* button lets you dial or hang up.

Phone book When clicking the arrow, the complex control element *Phone book* appears.



In the selection box you can directly enter new telephone numbers by clicking the *Add numbers* button and by entering the number with the keyboard. To add a name to the number which then also appears in the basic control element, write the name first, press the arrow down key and then enter the number.

To delete a number, click the *Delete telephone number* button. Use the button to go back to the basic control element.

Action	Function
arrow	switches to the basic control element
<i>Playing back calls</i> button	switches to the <i>Playing back calls</i> control element
<i>Recording messages</i> button	switches to the <i>Recording messages</i> control element
<i>Delete number</i> button	deletes the current telephone number
<i>Next entry</i> button	shows the next telephone number
<i>Previous entry</i> button	shows the previous telephone number
<i>Add number</i> button	adds the number to the phone book

If the telephone control element is active, the information frame blinks in case of an incoming call and the sound board outputs a signal. If the telephone control element is not active, the telephone icon in the icon bar blinks.

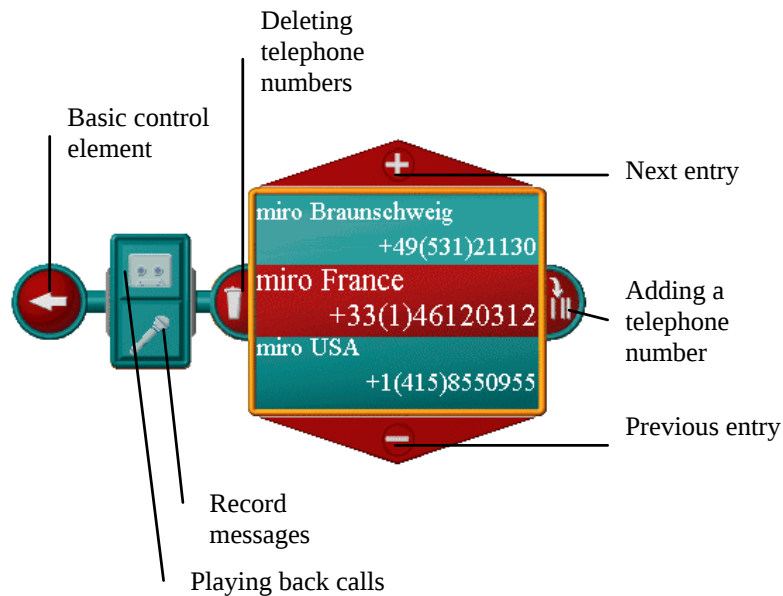
Answering machine

When clicking the multifunctional frame in the *Telephone* control element, the answering machine is switched on/off. If the answering machine is enabled, an answering machine appears in the information frame. To be able to use the answering machine, either the miroMEDIA Online or the miroCONNECT 34 board has to be installed in your computer. To be able to record messages, a microphone has to be connected.

The answering machine control element provides the following functions:

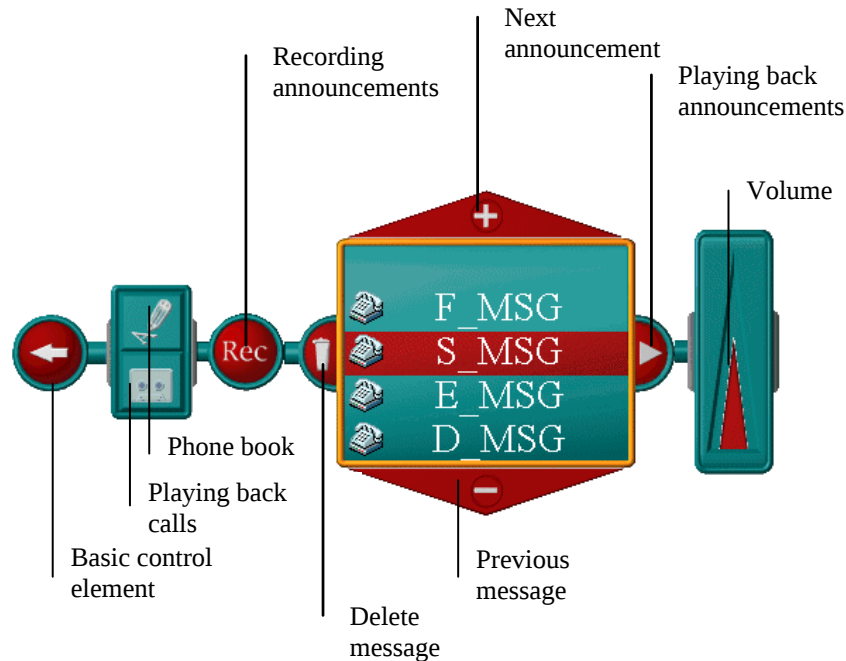
- ♦ record and play back several messages,
- ♦ delete messages,
- ♦ play back incoming calls,
- ♦ remote access to recorded calls,
- ♦ changing the message via a remote telephone.

To record message texts or to listen to recorded calls, switch to the complex control element.



Recording announcements

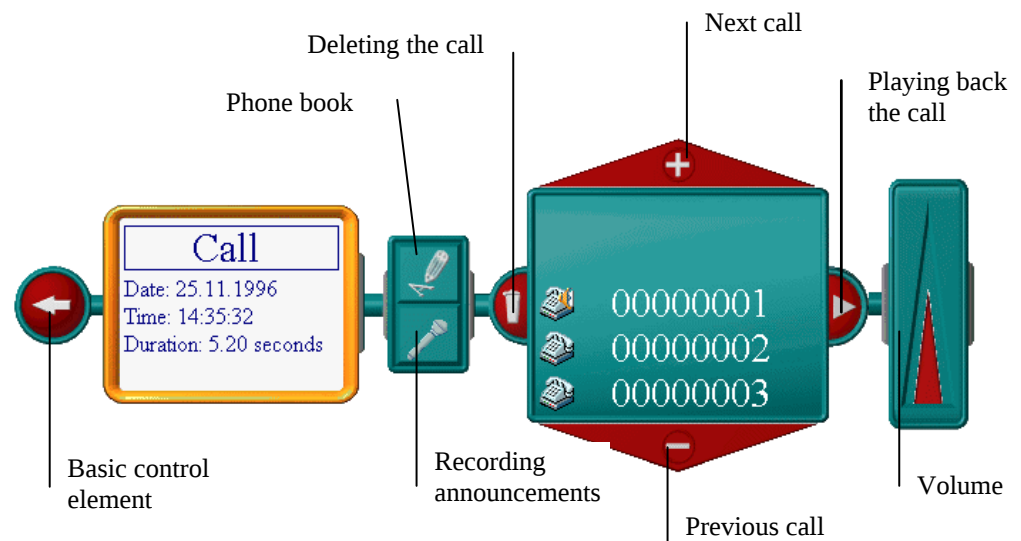
To record an announcement, click on the microphone. The *Recording announcements* control element appears.



The list box shows all recorded messages. The active message text is marked by a red bar. You can select the previous and the next message using the + and the – buttons. To record a message, click the *Rec* button, wait until it blinks, speak the message text and click on the *Rec* button again to stop recording. To play back messages, click the arrow.

Action	Function
Arrow	switches to the basic control elemen
Phone book button	switches to the complex <i>Phone book</i> control element
Playing back callsbutton	switches to the complex control element <i>Playing back calls</i>
Recording messages (<i>Rec</i>) button	records the messages
Deleting messages button	deletes the messages
Next message button	selects the next message in the list
Previous message button	selects the previous message in the list
Playing back message button	plays back recorded messages
Volume button	controls the volume during the playing back

Playing back calls To play back calls, click the tape icon. The complex *Playing back calls* control element appears.



In the list box all recorded calls are displayed. New calls which you have not played back yet, are marked by a telephone and a speaker, the calls you listened to already have just been marked by a telephone. The information frame shows you the date, the time, and the duration of the selected call. The + and the – buttons let you select the previous and the next call. To play back a call, click the arrow.

Action	Function
Arrow	switches to the basic control element
Phone book button	switches to the complex <i>Phone book</i> control element
Playing back calls button	switches to the complex control element <i>Playing back calls</i>
Deleting calls button	deletes the selected call
Next call button	selects the next call in the list
Previous call button	selects the previous call in the list
Playing back calls button	plays back incoming calls
Volume button	controls the volume

Remote access You can listen to your calls also by remote access.

This function is only available if the remote phone uses DTMF dialling. For the remote access dial your number and wait until the answering machine “answers”. During or after the message enter the password you entered in the *User configuration* for the remote access. (The default setting for the password is 000 disables the remote access.)

Now you will be guided to a “menu” geführt. To listen to all incoming calls, enter 5, to play back only the new calls, enter 6.

The menu offers the following options:

Number	Function
1	Previous message
2	Repeat current message
3	Next message
5	All messages
6	All new messages
8	Delete current message
9	Further options
0	Menu

Keys 5 and 6 preselect messages, that means, if you dialled either of both numbers, you can use the numbers 1,2, and 3 to jump between all messages (5) or only between the new messages (6). If you dialled 0, an announcement will explain the functions.



As soon as you entered the password, it is no longer possible that you record your call.

Further options

The answering machine of the miroMEDIA-Manager also offers you the possibility to record announcements from a remote telephone or to select different announcements.

To record a new announcement from a remote telephone,

1. dial your number.
2. As soon as the answering machine answers, dial the password.
3. Dial 9 to go to the extended mode.
4. Then dial 4.
5. Speak the new announcement after the signal and then dial *.
6. You can then either hang up or if you want to listen to the messages on your answering machine, you can dial 9, to go back to the main menu.

Then the new announcements will be played back.

To select another announcement,

1. dial your number.
2. As soon as the answering machine answers, dial the password.
3. Dial 9 to go to the extended mode.
4. Then dial 5.
5. Use the numbers 1,2, and 3 to select the previous, the current, and the next announcement. Dial * during or after the announcement to select the desired announcement.

6. You can then either hang up or if you want to listen to the messages on your answering machine, you can dial 9, to go back to the main menu.

Number	Function
4	Record new announcement
5	Select new announcement
6	Listen to current announcement
9	Back
0	Listen to the menu

If you selected another announcement, you can “browse” using the 1, 2, and 3 keys, and use the keys 8 and * to delete the current announcement. With key 9 you go back to the extended options, if you press 0, the menu will be explained.

The following table provides an overview over the answering machine functions:

Main menu

Key	Function
1	Previous message
2	Repeating current message
3	Next message
5	All messages
6	All new messages
8 and *	Deleting current messages
9	Further options
0	Menu

Extended options

Key	Function
4	Recording new announcement
5	Selecting other announcement
6	Listening to current announcement
9	Back
0	Menu

Selecting announcement

Key	Function
1	Previous announcement
2	Repeating current announcement
3	Next announcement
8 and *	Deleting announcement
9	Back
0	Menu
*	Selecting current announcement

TELETEXT

When clicking the *Teletext* button, the *miroMEDIA Manager* teletext program appears which you can use to browse through teletext. You can set channels and pages you prefer in the *User settings* program.

You can operate teletext using the following keys:

Action	Function
Pressing left mouse key	highlights valid page number
Releasing left mouse key	selects highlighted page number
<Ctrl> + <H>	hidden text on/off
<Ctrl> + <N>	blinking text on/off
<Ctrl> + <C>	copies page as text to the clipboard
<Ctrl> + <F>	copies page as text to the directory you specified in the user settings dialog under <i>Recording</i>
<Ctrl> + 	copies page as bitmap to the clipboard
number keys 0 - 9, backspace key	enter page numbers
Page ↑; Page ↓	select the next/previous valid page
Arrow keys →/←	select sub-pages
Arrow keys ↓/↑	highlight page numbers
↵	selects highlighted page number

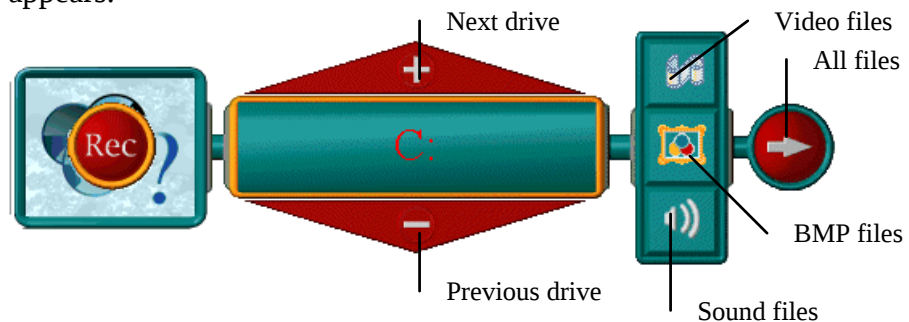
Teletext under Windows

You can also use teletext under Windows. The left arrow keys at the bottom of the window let you select the presets, the arrow keys in the middle let you select the channels, and the left ones the pages.

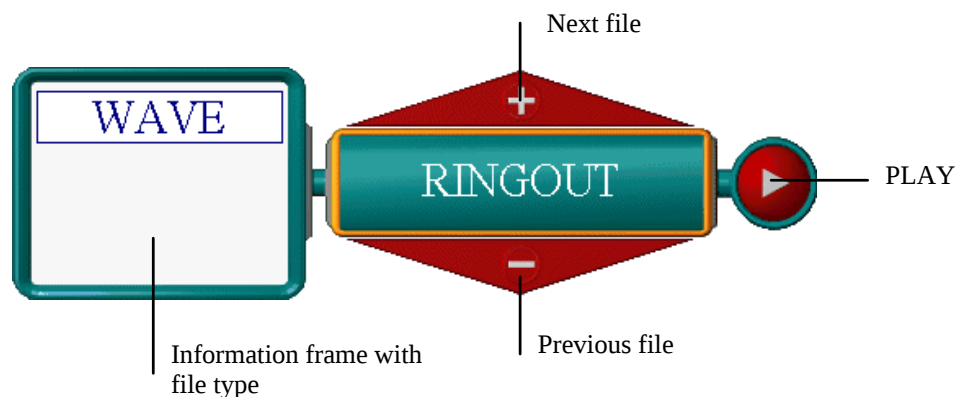
PLAYER

The Player lets you play back multimedia files.

After you clicked the *Player* button in the icon bar, the following actor appears.



This control element allows you to preselect the files you want to play back or to view. The *Next drive/Previous drive* buttons let you select the drive you want to browse. The Video files, Sound files, and BMP files buttons let you preselect the files. The current drive will be browsed and all files of the specified file type will be shown. The arrow button searches for all files. Then the following control element appears.



The information frame shows the file type of the file currently selected. The *Next file/Previous file* buttons let you browse through the files. The miromEDIA Manager names the files automatically. Use the *PLAY* button to play back the files.

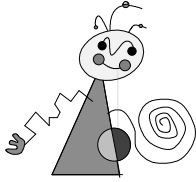
SCREENSAVER

If you copied the miro screensaver during the installation to your hard disk, You can select the VESA-DPMS mode under Windows 95, when the monitor supports this mode.

To select the VESA-DPMS mode under Windows 95, proceed as follows:

1. Select *Settings* from the *Start* menu.
2. Select *Control Panel*.
3. Select *Display*.
4. Click *Screensaver* and enable the DPMS option.

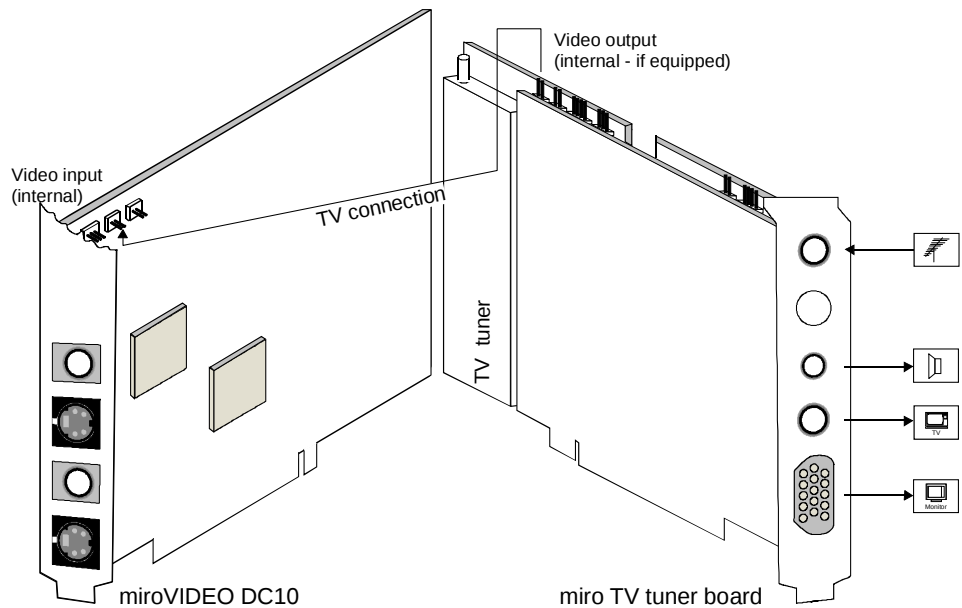
If you cannot use the DPMS function (e.g. under Windows 3.x), the screen gets darker at a color depth of 8 bits.



Appendix

miroVIDEO DC10 and miro TV tuner board

To use the miroVIDEO DC10 board together with a miro TV tuner, make the following connections:



TV connection

Connections Connect the external antenna cable via the adapter to the miro TV tuner board antenna input.

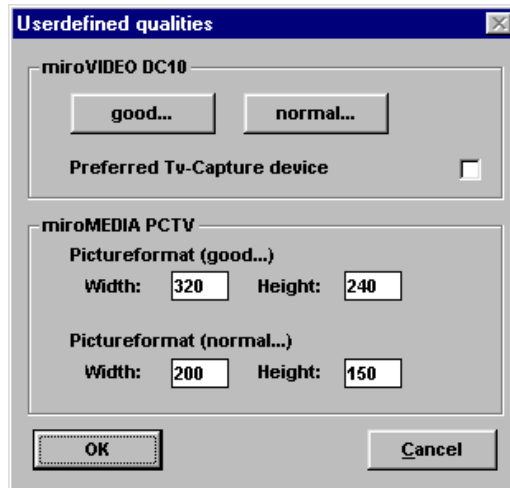
The internal miro TV tuner board composite video output (if exists) connects to the miroVIDEO DC10 composite video input (ST8) via a suitable cable. The required cable is not included in the package contents of your miro boards.

Function miroVIDEO DC10 digitizes and compresses the TV input signal and saves the signal to the hard disk.



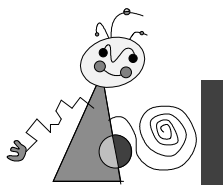
If your TV tuner board is not equipped with an internal video output, you cannot use the possibilities of the TV connection!

To be able to use the miroVIDEO DC10 board for capturing the TV image together with the miroMEDIA Manager, please enable the *Preferred TV capture device* option in the *miroMEDIA Manager User Configuration*.



If you selected the miroVIDEO DC10 board as preferred TV capture device, it is recommended to connect the boards as described. If this is not the case, the captured video will be black.

If you did not select the miroVIDEO DC10 board as preferred TV capture device, you can capture video using the TV tuner board, if there is a driver for digitizing video.



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