

LControlE

COLLABORATORS

	<i>TITLE :</i> LControlE		
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REVISION HISTORY

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Chapter 1

LControlE

1.1 LControlE.guide

LControl 1.41

(C) 1993-1995 by Juergen Frank and Michael Watzl

LControl is freely distributable as long as no profit is made.
Please note: LControl is shareware and of course, a hardware is required to control cameras. If you want to use LControl you have to register, See Registering.

LControl may only be spread without the schematics for the hardware.

YOU USE LCONTROL ON YOUR OWN RISK. NO WARRANTY CAN BE GIVEN.

What Is LControl
Installation
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1.2 LControlE.guide/What Is LControl

What is LControl

LControl is a program to control video cameras via a special control hardware. The cameras must have a control-L or LANC interface (Sony kompatibel).

The hardware is very easy to construct. Schematics, construction kit or the complete hardware will be sendt to you after registering, See Registering.

The control hardware is connected to the parralel port. Two cameras

can be connected to the hardware. You can switch between the two cameras via the software.

LControl is a commodity and it has an arexx port. Therefore LControl can work in the background and your camera can be "programmed" via arexx.

See also IR-Master-Support.

1.3 LControlE.guide/Installation

Installation

Requirements:

* Kickstart 2.04 or better

* Workbench 2.04 or better

1. Copy LControl into any drawer you want.
2. Copy LANC.library to LIBS:
3. If you use WB2.1 or better: You do not need to install an english catalog - it is built in. For other languages (so far, only german is supported):

Copy the file lcontrol.catalog from catalogs/<your language> to
LOCALE:catalogs/<your language>.

When you copy LControl to the WBStartup-drawer, you should also add the DONOTWAIT tooltype.

1.4 LControlE.guide/How To Use

How To Use

Menus
Gadgets
ARexx Port
Tooltypes

1.5 LControlE.guide/Menus

Menus

=====

Project

About...

Some information about the authors and the program

Hide

Closes the LControl window. However LControl stays active.

Fix position

Snapshots the current position. This piece of information is saved in the tooltypes, See Tooltypes.

Quit

Quits LControl

Special

Reset counter

Resets the counter of the camera.

Zoom in

Sends "Zoom In" to the camera

Zoom out

Sends "Zoom Out" to the camera

Record

Sends "Record" to the camera.

Eject

Sends "Eject" to the camera.

Gotomode

In the submenu you can select one of these commands.

0

Play

1

Stop

2

Pause

3

Record The selected command is sent when a successful "goto" was made.

Goto

You may enter a counter. Then the tape is winded to this position an the command selected with gotomode is sent.

Special-II

Note:

All the commands in this menu refer directly to standard camera commands. Please look up their meaning in your camera's user manual.

1.6 LControlE.guide/Gadgets

Gadgets

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Swap

Swaps to the other camera

Play

Sends a "Play"-command to the camera

Stop

Sends a "Stop"-command to the camera

Pause

Sends a "Pause"-command to the camera

FREW

Sends a "fast rewind" command to the camera

FFOR

Sends a "fast forward" to the camera

PREW

Sends a "picture rewind" to the camera

PFOR

Sends a "picture forward" to the camera

--

Sends a "slow motion rewind" to the camera

-

Sends a "single pic back" to the camera

+

Sends a "singse pic forward" to the camera

++

Sends a "slow motion forward" to the camera

1.7 LControlE.guide/ARexx Port

ARexx Port

=====

The name of the arexx port is LControl_rexx

So far, the following commands are supported:

LC_QUIT

Quits LControl

LC_SHOW

Opens the LControl window

LC_HIDE

Closes the LControl window

LC_ENABLE

Opens the LControl window and opens the arexx port (if closed)

LC_DISABLE

Closes the LControl window and the arexx port

LC_PLAY

LC_STOP

LC_PAUSE

LC_FREW

LC_FFOR

LC_PREW

LC_PFOR

LC_PLUS

LC_MINUS

LC_SLOW

LC_RSLOW

LC_GETCOUNTER

the current counter will be returned in RESULT

LC_GETSTATUS

returns the current status in RESULT:

NO CAMERA

If no camera/hardware is connected

CAMERA0: <action>

Slot 1: active camera is connected.

CAMERA1: <action>

Slot 2: active camera is connected.

LC_RESET

resets the counter of the camera

LC_SWAP

swaps to the other camera

LC_ZOOMIN
Zooms in one step.

LC_ZOOMOUT
Zooms out one step.

LC_RECORD
Sends Record to the camera.

LC_EJECT
Sends Eject to the camera.

LC_GOTOMODE
Expects a number (0,1,2 or 3) as parameter. See Menus.

LC_GOTO
Expects a counter as parameter. See Menus.

LC_INSAUDIO
LC_INSVVIDEO
LC_ASSEMBLE
LC_INSA_LON
LC_INSA_LOFF
LC_INSA_ROM
LC_INSA_ROFF
LC_INSV_ON
LC_INSV_OFF
LC_ASSEMBLEON
LC_ASSEMBLEOFF
LC_RAWCOMMAND

This command directly sends data to the camera.

WARNING:Use this command only when you really know what you are doing!

Expects hexadecimal bytes as parameters. Example:
LC_Rawcommand ff 10 aa

This will send 255, 16 and 170 to your camera.

Basic VTR-commands

hex	command
00	CH-1/1
40	CH-2/2
20	CH-3/3
60	CH-4/4
10	CH-5/5
50	CH-6/6
30	CH-7/7
70	CH-8/8
08	CH-9/9
48	CH-10/10
28	CH-11
68	CH-12/CH/ENTER/#
18	CH-13/1-

58	CH-14/2-
38	CH-15
78	CH-16
04	CH-HIGH
44	CH-LOW
14	X3 OR 2X
54	POWER ON/OFF
22	SLOW 2
62	SLOW 3
32	HIGH DOUBLE SPEED
2A	ANT-SW
5A	ANT-VTR
3A	POWER ON
7A	POWER OFF
06	REVERSE
46	FORWARD
09	INDEX WRITE
49	INDEX ERASE
65	INDEX

1.8 LControlE.guide/Tooltypes

Tooltypes

=====

The following tooltypes are recognized:

CX_POPUP=

"YES" or "NO"

YES

Pop window up on startup

NO

Start hidden

CX_POPKEY=

Hotkey for LControl E.g.: lshift f10 ==> left shift-key + F10

Default: lcommand esc.

LEFT=xxx

Leftedge of the window

TOP=yyy

Topedge of the window

PUBSCREEN=name

If specified, LControl tries to open its gui on the pbublicscreen named name.

GOTOMODE=

Expects a decimal number (0,1,2 or 3) as parameter. See Menus,

gotomode. You can specify the default command which should be sent when positioning with the goto-function.

LIBNAME=

This should always be set to "LANC". This is for further expansion (Rapid, Panasonic).

1.9 LControlE.guide/Appendix

Appendix

Support & Bugreports
Registering
IR-Master-Support
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1.10 LControlE.guide/Support & Bugreports

Support & Bugreports

Support

=====

You may simply send a disk and enough stamps to one of the following addresses to get the newest software version of LControl:

Michael Watzl	or	Jürgen Frank
Konradstr. 11		Wittelsbacherweg 7
86609 Donauwörth		86609 Donauwörth
Tel.: +49 906 5834		Tel.: +49 906 1057
Germany		Germany

Bugreports

=====

Bugreports or suggestions are welcome and should be sent to one of the addresses above mentioned.

Please include a brief description of your computer and its configuration -- this will help us to reproduce the bugs.

1.11 LControlE.guide/Registering

Registering

REGISTRATION FORM (1.41)

NAME: _____

STREET: _____

ZIP-CODE: _____ CITY: _____

COUNTRY: _____ TEL: _____

I want to become registered user of LControl, therefore I

- o enclose a cheque
(europe: euro cheque
others: drawn on a german bank)

- o transfer payment to
Raiffeisen-Volksbank Donauwoerth eG
86609 Donauwoerth
Acc: 4185455 Bank code: 722 901 00
Comment "LCONTROL REGISTRIERUNG"

Please send me:

- o Latest version + scematics for the hardware
for \$12 / DM 20

- o Latest version + contruction kit
for \$18 / DM 30

- o Latest version + complete Hardware
for \$25 / DM 40

Optional Hardware:

[for the construction kit]

- o Two camera set [allows to connect two cameras and
switch between them]
plus \$3 / DM 5

[for complete hardware]

- o Two camera set [allows to connect two cameras and
switch between them]
plus \$6 / DM 10

locality, date

sign

1.12 LControlE.guide/IR-Master-Support

IR-Master-Support

Taken from "IR-Master.guide":

"The IR-Master project consists of two software components and a control hardware, which is connected to the joystick port of your Amiga.

At first you start editing your virtual remote control with the IR-Editor... This one is saved to disk then. Afterwards you activate the IR-Runner...

Your edited remote control opens as a window on the workbench. With this window you can interactively control your device[s], you can use the IR-Runner's ARexx-port for programming your devices... Finally you can send infra red codes from within other applications or edit scripts which will automatically control e.g. your video recorder.

Since version 2.5 of the IR-Master two new features were introduced: You can directly send commands to LControl and Rapid. This allows you to control video cameras supported with an LANC/Control-Linterface and video recorders supported with an GSE-Rapid-interface ..."

1.13 LControlE.guide/History

History

- V1.00
 - first Release
 - V1.01
 - arexx-command: GETSTATUS added
 - fixed some minor bugs
 - V1.02
 - Support for 2 cameras added [Switch]
 - minor bugfixes
 - V1.05
 - Zoom in/Zoom out added
 - Record added
 - V1.1
 - Goto added
 - Better SWAP implementation
 - V1.2
 - [never released]
 - V1.3
 - Now LControl uses a library (LANC.library)
-

- goto added (automatic positioning)
- many other minor bugfixes an features

V1.4

- localized

1.14 LControlE.guide/Index

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LC_GOTOMODE	ARexx Port
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LC_INSA_LON	ARexx Port
LC_INSA_ROFF	ARexx Port

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