

elCID.master

Carsten Scholling

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Chapter 1

elCID.master

1.1 elCID V2.0Pre - Documentation ©1997-98 by Carsten Scholling

Now it is done! After many month of hard work, I now present you the result:

```
_/ _/ _/ _/ _/ _/ _/
_/ _/ _/ _/ Copyright
_/ _/ _/ _/ _/ (C)1997-1998 by
_/ _/ _/ _/ _/ Carsten Scholling
_/ _/ _/ _/ _/ All rights reserved.
_/ _/ _/ _/ _/
_/ _/ _/ _/ _/ _/ _/ _/ V2.0Pre
e l C I D V2.0PreRelease
```

A new multifunctional
module based communication
environment including
ISDN monitor,
caller ID logger,
chat module (chat for free over d-channel),
environment controlling module, ...

!!PLEASE READ THIS FIRST!! (PreRelease)

!!THEN READ THIS!! (Known Bugs)

Now go on and read the documentation carefully...

»

1.2 elCID V2.0Pre - Jump'n Run Table

JUMP'N RUN

!!PreRelease!! What you should know about this release!

Introduction What the hell is THIS?

Concept Which concepts are behind elCID?

Features What is possible yet and what is not?

System Requirements elCID's needings...

Installation Should i use Installer or make my life hard?

Getting started How to start this thing?

elCIDWatch The controlling module.

elCIDISDN ISDN data collector module.

elCIDSerial Serial device data collector.

elCIDSerPatch Serial device data collector using system patches.

elCIDISDNMon ISDN monitor.

elCIDProcess Data processing module.

elCIDDisplay Caller ID logger.

elCIDRapChat Chat module (free of charge over D-channel).

elCIDPrefs Preferences module for the whole elCID.

C-style formatting codes Formatting codes.

Placeholder Placeholder overview.

Registering What can you do for me?

Updates Where to find the updates and bugfixes??

Support About the author and support.

Acknowledgements Thanks to all who helped making elCID possible

Frequently Asked Questions Frequently asked questions!

History What was done until now?

Future What will be done in future?

Known Bugs Momentary problems and curious things.

Disclaimer Warranty? None!

Copyright and Distribution What do you think?

About VMC Why VMC and not BSC or ITH?

1.3 elCID V2.0Pre - Prerelease Info

THIS IS A PRERELEASE!

This means, that all programs are fully tested, but not all features are implemented yet. All analog parts for example are currently under destr...
ahem... construction and will be released as soon as possible. Notice that every part can change until the final release. Not in general, but in some serious parts.

Harald Frank is currently changing the device base frequently. Because elCID uses the device base for getting and setting some data, elCID currently may not work under some special configurations, conditions or device versions. elCID is

tested with vmcisdX.device versions from 2.91 to 2.96b without problems.

Future versions of elCID will use a new VMC support library where such problems are history.

If you encounter problems or think, that some little parts are not working as expected, see [Known Bugs](#) for more information. If you don't find any information about your problem, that's your problem ;-) Nonsense! If you have problems and you think there should be no problem, please contact [me](#). Then i will make my very best to help you. Maybe i have forgotten something to note.

1.4 elCID V2.0Pre - Introduction

INTRODUCTION

elCID, in short, is a module based program system for watching EVERY serial device. It is not necessary to own or open the device. You have full control over the watched devices.

elCID in general supports every ISDN-card, modem and/or similar which is controlled over devices. Special features (like ISDN monitor and chat free of charge over D-channel) are included for [VMC-ISDN](#) driven ISDN cards (all currently available ISDN-cards for Amiga are supported by VMC-ISDN). Other ISDN devices like [BSC](#) and [ITH](#) will be supported in future.

1.5 elCID V2.0Pre - Concept

CONCEPT

The concept behind elCID is, to provide full control over all communication which is done over and through various ISDN-cards, modems and devices. The main elCID part is for controlling the whole communication in your home and on your computer, reacting on various events like rejecting a call or saving the call data to a logfile for later analysing.

You are able to simply configure which devices, modems or ISDN-cards should be watched and which type (normal serial, serial with OwnDevUnit support, serial patch or direct ISDN) should be used. There are no limits!

Using the analog parts of elCID will provide you a simple to use configuration for all possible and impossible events which may occur. You are able to get some information out of the serial data stream such as "ATDxxxx", "CONNECT", "NO CARRIER", "RING" and so on... More about the possible event handling and configuration you will find in the preferences part.

Because you don't want to waste any memory, elCID is based on various independant modules you can start and stop as you like. It is not necessary to

have the ISDN part of eICID in memory if you only want to watch an analog device. For watching the ISDN device, you simply have to start eICIDISDN. It will collect all needed information for later use. Then, if you start the processing module, the data will be prepared for use with the display module. The communication between the modules is made through the eICID own communication ports. All modules are able to send data to and receive data from another module.

1.6 eICID V2.0Pre - Features

FEATURES

- Compared with the old versions, only the name is the same (yes, that is a feature)
 - Is based on various modules instead of just one single overloaded program. Currently there are three data collecting modules including ISDN-, Serial- and SerPatch-Module, an ISDN monitor, one data processing module, a data displaying module (caller ID logger), eICIDRapChat (free of charge chat module), a watch module for easy controlling the whole eICID environment and a preferences program which is a little bit overloaded ;-)
 - All modules are completely independant. If you are running the ISDN-Module for example, it will collect all incoming data for you. And if you later start an other module like ISDN monitor too, all collected information will show up. Is that great? Another example: If you run the display module without one of the data collecting modules it is independant too, but you can wait for data until you are old and gray... Funny, isn't it?
 - eICID now supports the D-channel protocol layer 3 and 2 when using VMC device driver (thank you Harald ;-). In future I maybe support BSC and ITH device driver too, but this is based on your needings and the acknowledgement of my work.
 - All modules (only those with a graphical interface, of course) using MUI.
 - You are not limited to only catch the telephone number out of the data stream. There are several methods for processing the data including direction, type of call, type of supplied number and so on.
 - It is supported. Currently and in future (I think that is an important point). That means, that there are several new modules planned (a telephone module called "AppleShot" for example ->@:-).
-

1.7 elCID V2.0Pre - Requirements

REQUIREMENTS

elCID works fine with AmigaOS 3.0 or higher, but should work with AmigaOS 2.0 as well. A minimum of OS2.1 is required for locale support. elCID is programmed to work with all future OS version too.

If you want to use the sound feature, a minimum of OS 3.0 is required, because the sound files are decoded and played via datatypes.

elCID uses MagicUserInterface copyright by Stefan Stuntz. A minimum version of 3.3 is required to run elCID. Because some MUI features need OS3.0 or higher, not all features may be usable in older versions.

You should use a harddisk (anyone out there without a hd?). It is possible to run elCID from floppy, but not recommended. Due to the module concept, it may take some seconds to startup elCID from floppy.

No special processor is required, but a 68020 is recommended for MUI.

You should have at least 1MB of free memory when starting elCID, because MUI needs some memory too and there are a "few" bytes elCID requires for storing the preferences and the saved events data in memory.

For this PreRelease you MUST have an ISDN-card with VMC-ISDN device installed.

If not, elCID will fail.

In short:

- AmigaOS 2.0 (2.1 for locale support) (hope it works, not tested)
- AmigaOS 3.0 or higher for datatype support (sound)
- MagicUserInterface (MUI) 3.3 or higher
- For this PreRelease you need the VMC-ISDN device driver to work.
- Therefore an ISDN-card is required.

1.8 elCID V2.0Pre - Installation

INSTALLATION

To install elCID, use the supplied installer script. Simply click on "Install_elCID" after unpacking the archive. Please don't install elCID manually, because some setups are done inside the script. The script requires Installer V42.9 or higher installed and in the path.

1.9 elCID V2.0Pre - Starting

GETTING STARTED

After installation, you will find a directory called "elCID" in the destination directory. Simply open it by doubleclick and see the result.

At first, you should start **elCIDPrefs** and take a look into the supplied default-configuration. You may change this upon your needings (see **elCIDPrefs** for further information).

Then, after adjusting the preferences, you should start **elCIDWatch** and see what happens. After some seconds, two windows should appear on Workbench. At first a window called **elCID watch module** and at second **elCID display module**.

In the elCIDWatch window there should be three checked checkmarks (**ISDN**, **Process** and **Display**) after some seconds. Now you have to wait for any events to appear. That's all.

1.10 elCID V2.0Pre - elCIDWatch

elCIDWatch

=====

Bill Gates would call this CCC98 (Communication Command Center). Here you can start and stop all other modules and in future show a status window for an easy module status overview.

After starting elCIDWatch, you see a window with seven checkmarks as follows:

```

_____
| elCIDWatch | Some checkmarks maybe checked, depending on your
| _____ | Tooltypes or command line options.
| ___ |
| ISDN |___| | Each checkmark controls the state of the named
| ___ | module. If you change the state of a checkmark,
| Serial |___| | the corresponding modules will be activated or
| ___ | deactivated, depending on the old state.
| Serial Patch |___| |
| ___ | Maybe you see only a short check-flashing after
| ISDNMon |___| | selecting a checkmark. That is for internal
| ___ | reasons: elCIDWatch checks the state of each
| Process |___| | module right after changing the state of a
| ___ | checkmark. Normally the selected module is not
| Display |___| | activated just in this microsecond and need a
| ___ | moment to startup. After signalling elCIDWatch

```

| RapChat | ____ | | the module is up and running, the checkmark will
| _____ | be shown in selected state.

|Project | eICIDWatch has one menu called "Project". Here you can open an
|-----| "About"-window, hide the module as selected in the MUI-Prefs, or
| | simply quit the module.

|About A ?|

|-----|

|Iconify A I|

|-----|

|Quit A Q|

| _____ |

The following command line options and tooltypes are supported in eICIDWatch:

I=ISDN/S,S=SERIAL/S,SP=SERPATCH/S,IM=ISDNMON/S,P=PROCESS/S,D=DISPLAY/S,
RC=RAPCHAT/S,QA=QUITALL/S,QS=QUITSTARTED/S

Usage: eICIDWatch [ISDN] [SERIAL] [SERPATCH] [ISDNMON] [PROCESS]
[DISPLAY] [RAPCHAT] [QUITALL] [QUITSTARTED]

ISDN · Activates ISDN-Module at startup

SERIAL · Activates Serial-Module at startup

SERPATCH · Activates SerPatch-Module at startup

ISDNMON · Activates ISDNMon-Module at startup

PROCESS · Activates Process-Module at startup

DISPLAY · Activates Display-Module at startup

RAPCHAT · Activates RapChat-Module at startup

QUITALL · Quits all modules when leaving eICIDWatch

QUITSTARTED · Quits started modules when leaving eICIDWatch

All options are implemented as switches. If you specify one of these
options, the corresponding module will be started or, if QUITALL or

QUITSTARTED is specified the corresponding modules will be disposed after
quitting eICIDWatch.

1.11 eICID V2.0Pre · eICIDISDN

eICIDISDN

=====

The first of three data collecting modules. This module is designed for getting
data from an ISDN device like **VMC, BSC or ITH** device as configured in
eICIDPrefs. The device must NOT be opened by eICIDISDN for this. Therefore
the device is free for other purposes.

All D-Channel data received from the device will be send to **eICIDProcess** and
eICIDISDNMon if they are up and running. If not, all data will be saved until
the configured limit is reached.

1.12 elCID V2.0Pre · elCIDSerial

elCIDSerial

=====

Used to collect data from any analog serial device. This is the way, the old versions received their data for processing and analysing. The device is opened the normal way and is NOT usable for other programs, except OwnDevUnit support is activated. Then, a request is send to elCIDSerial by the other program and the device is handled as configured in **elCIDPrefs**.

1.13 elCID V2.0Pre · elCIDSerPatch

elCIDSerPatch

=====

Collects data from serial devices like **elCIDSerial**, but in a completely different way: When starting elCIDSerPatch, some system patches are installed in a most "system-friendly" manner and as secure as possible (you only have 100% security without ANY patches!!). Then all data sent through this device will be collected by elCIDSerPatch and sent to **elCIDProcess** for further analysing.

Following system functions are patched:

OpenDevice() · For checking if the opened device has to be watched

CloseDevice() · Stop watching of closed device.

SendIO() · All data sent or received via these three functions will

DoIO() be saved to a local buffer and then sent to **elCIDProcess**

WaitIO() for analysing.

1.14 elCID V2.0Pre · elCIDISDNMon

elCIDISDNMon

=====

Phu! Now it will be more difficult. elCIDISDNMon is a very complex piece of software.

The ISDN monitor is a little bit outside the module concept of elCID. It receives it's data directly from the ISDN-Module without passing it through the Process-Module. All layer 3 messages are supported. In future, layer 2 should be supported too. Decoding of facility-packets is currently in work.

Layer 3 messages can be watched a little bit closer by doubleclicking the selected entry. Sometimes 7 description lines for 1 byte d-channel data. That IS a little bit closer, isn't it?

The messages (about 50k) are never and really NEVER translated! Be sure!

But let's see how the ISDN monitor looks like:

```

| elCID ISDN monitor |
|_____|
|_____|
||Date |Time |CRV |Offs |I/O |Data |Description ||
||---- |---- |--- |---- |--- |----- ||
||28.01.98 |15:35:02 |01 |[03] |O- |%00000101 |L3: SETUP ||
||28.01.98 |15:35:02 |81 |[03] |I- |%00001101 |L3: SETUP ACKNOWLEDGE ||
||28.01.98 |15:35:03 |81 |[03] |I- |%00000010 |L3: CALL PROCEEDING ||
|| | | | | | | |
|| . | . | . | . | . | . | . |
|| . | . | . | . | . | . | . |
|| . | . | . | . | . | . | . |
||_____||
|_____|

```

In the window above, you see the plain layer 3 message header (message type) packets. There are several fields:

- Date: Date, the D-channel packet has arrived
- Time: Time, the D-channel packet has arrived
- CRV: "Call Reference Value" sent with each packet
- Offs: Offset of layer 3 message header
- I/O: Specifies an incoming or outgoing packet
- Data: Binary header data
- Descr.: Description of the header message

When doubleclicking an message type entry in the window above, the following window with the information inside the message packet called "Information Elements" will be shown. This look is a little bit closer than the simple header format in the first window.

```

| elCID ISDN monitor IE |
|_____|
|_____|
||Offs |Oct |Data |Description ||
||---- |--- |---- |----- ||
||[04] | 1 |%00000100 |IE: BEARER CAPABILITY ||
||[05] | 2 |%00000010 |IE length: 02 octets. ||
||[06] | | |IE Data: 88 90 ||

```

```

||---- |--- |----- |-----||
|[08] | 1 |%01101100 |IE: CALLING PARTY NUMBER ||
|[09] | 2 |%00000111 |IE length: 07 octets. ||
|[0A] | 3 |%0----- |Extension bit: continued ||
|[0A] | |%-100---- |Type of number: subscriber number ||
|[0A] | |%----0001 |Numbering plan: ISDN/Telephony numbering plan (CCITT Rec. E.164/E.163)||
|[0B] | 4 |%1----- |Extension bit: not continued ||
|[0B] | |%-00---- |Presentation indic.: presentation allowed ||
|[0B] | |%---000-- |Spare ||
|[0B] | |%-----00 |Screening indicator: user-provided, not screened ||
|[0C] | 5 |***** |Number: [96053] ||
||---- |--- |----- |-----||
|[11] | 1 |%00011000 |IE: CHANNEL IDENTIFICATION ||
|[12] | 2 |%00000001 |IE length: 01 octet. ||
|[13] | 3 |%1----- |Extension bit: not continued ||
|[13] | |%-0----- |Interface identific.: interface implicitly identified ||
|[13] | |%--0----- |Interface type: basic interface ||
|[13] | |%---0---- |Spare ||
|[13] | |%----0--- |Preferred/exclusive: indicated channel is preferred ||
|[13] | |%-----0-- |D-channel indicator: the channel identified is not the D-channel ||
|[13] | |%-----11 |Info. chan. sel.: any channel ||
||---- |--- |----- |-----||
|[14] | 1 |%01110000 |IE: CALLED PARTY NUMBER ||
|[15] | 2 |%00001011 |IE length: 11 octets. ||
|[16] | 3 |%1----- |Extension bit: not continued ||
|[16] | |%-000---- |Type of number: unknown ||
|[16] | |%----0001 |Numbering plan: ISDN/Telephony numbering plan (CCITT Rec. E.164/E.163)||
|[17] | 4 |***** |Number: [0526599054] ||
|| | | |
|| · | · | · | · ||
|| · | · | · | · ||
|| · | · | · | · ||
|| _____ ||
|_____

```

- Offs: Offset of each information element inside the packet
- Oct: The octett number inside the information element blocks
- Data: Binary data
- Description: Description of the information element

Now the menus:

|Project | With "Open..." you can load previously saved

|-----| D-Channel packets.

| _____

|Open... |New A O| "New" clears the listview and loads the entries.

|Save |Merge | "Merge" adds the entries to the and of the listview.

|SaveAs... | _____|

|-----|

|Clear list »| All manually loaded entries will be shown in

|-----| "italic" state and with "fillpen" color.

|About A ?|

|-----|

|Iconify A I|

|-----|

|Quit A Q|

| _____|

|Project | Write D-Channel packets to disk.

|-----|

| |

|Open... _____

|Save |All A S| Save all packets to disk using name "elCIDISDN.pkt".

|SaveAs... |Selected | Save selected packets to disk ("elCIDISDN.pkt")

|-----| _____|

|Clear list |

|-----|

|About A ?|

|-----|

|Iconify A I|

|-----|

|Quit A Q|

| _____|

|Project | Write D-Channel packets to disk, opening a file-

|-----| requester to select the name.

| |

|Open... »|

|Save _____

|SaveAs... |All | Save all packets to disk, selecting a name first.

|-----|Selected | Save selected packets to disk, selecting name.

|Clear list |_____|

|-----|

|About A ?|

|-----|

|Iconify A I|

|-----|

|Quit A Q|

|_____|

|Project | Delete ISDN packets from listview.

|-----|

| |

|Open... »|

|Save »|

|SaveAs... »|

|-----|_____

|Clear list |All A C| Deletes all entries.

|-----|Selected | Deletes only selected entries.

|About A|_____|

|-----|

|Iconify A I|

|-----|

|Quit A Q|

|_____|

|Project |

|-----|

| |

|Open... »|

|Save »|

|SaveAs... »|

|-----|

|Clear list »|

|-----|

|About A ?| The rest is simple: You can open an "About"-window, hide the
|-----| module as selected in the MUI-Prefs, or simply quit the module.

|Iconify A I|

|-----|

|Quit A Q|

|_____|

1.15 elCID V2.0Pre · elCIDProcess

elCIDProcess

=====

Analysing, converting and processing of data packets send by **elCIDISDN**, **elCIDSerial** and **elCIDSerPatch** . Data will be converted into an internal format for easier use and then send to **elCIDDisplay** to cause actions configured for this event.

1.16 elCID V2.0Pre · elCIDDisplay

elCIDDisplay

=====

A very important part of elCID is the display module. But elCIDDisplay is not only for displaying events. It also does all other actions as configured for each event. The information displayed and all other actions can be configured inside **elCIDPrefs**. See there for more information.

All calls will be added to the listview as and if configured. The entries will be updated every time the state of the call changes or more information is available. This includes the detail requester. The used B-Channel for outgoing calls for example is "ANY" first and will be updated to the real used channel.

The elCIDDisplay window only consists of one listview:

```
| elCID display module |
|_____|
|_____|
||
|| This listview is splitted into several columns, based on the configuration. ||
|| (see elCIDPrefs) ||
||
||
||_____||
|_____|
```

|Project| elCIDDisplay has one menu called "Project". Here you can open an
|-----| "About"-window, hide the module as selected in the MUI-Prefs, or
|| simply quit the module.

|About A ?|

|-----|

|Iconify A ||

|-----|

|Quit A Q|

|_____|

1.17 elCID V2.0Pre · elCIDRapChat

elCIDRapChat

=====

The elCIDRapChat module is a goodie you will never miss after you have used it the first time. Chat for free! A dream? NOPE! With VMC-ISDN and elCIDRapChat you are able to chat with other people over the ISDN D-channel for nothing (except the shareware fee ;-). With VMC-ISDN you are able to simply chat with ONE other people. But elCIDRapChat is able to handle up to 5 connections at one time (limited to five, because of the high traffic caused by more people). It is possible to have a IRC like connection through the D-channel for free.

Fantastic?

NOTE: This program is designed for internal use only. You are not allowed to use elCIDRapChat in an official telephone net. Check your local provider for further information.

1.18 elCID V2.0Pre · elCIDPrefs

elCIDPrefs

=====

elCIDPrefs currently consists of 10 sections, where 8 are used for configuration purposes. Because elCIDPrefs is a little bit overloaded, it may be a little bit complicated to get a fast overview over all configuration possibilities.

These are the available sections:

- About
- General
- Paths
- Devices
- DeviceInit
- Events
- MSNs
- Phonebook
- DisplayFormat
- Miscellaneous

The window looks something like this:

| elCIDPrefs - Preferences editor for elCID |

| _____ |

| _____ |

```

||About| | | |
||General| | |
||Paths| | |
||Devices| | Different configuration stuff ||
||DeviceInit| | |
||Events| | |
||MSNs| | |
||Phonebook| | |
||DisplayFormat| | |
||Miscellaneous| | |
|| | | |
|| | | |
|| _____ ||
| _____ |
|| | |
|| |
|| _____ ||
| _____ |
|| Save | | Cancel ||
|| _____ | | _____ ||
| _____ |

```

And a bit closer:

eICIDPrefs\About The "About" part.

eICIDPrefs\General General prefs.

eICIDPrefs\Paths Path settings.

eICIDPrefs\Devices Device setup.

eICIDPrefs\DeviceInit Device initialization.

eICIDPrefs\Events Configuring the events.

eICIDPrefs\MSNs MSN setup.

eICIDPrefs\Phonebook Your phonebook.

eICIDPrefs\DisplayFormat Select the display format.

eICIDPrefs\Miscellaneous The rest.

1.19 eICID V2.0Pre · eICIDPrefs\About

About:

Here you only see a nice picture and some copyright stuff. At the bottom of this virtual group there is a button called "Key info".

Pressing this button will cause a window to appear with information about the person who is registred with this file. That should be your name, address and your key number or "UNREGISTERED", if your copy is not registered.

(No picture. Make your own experience ;-)

1.20 elCID V2.0Pre · elCIDPrefs\General

General:

The General-page is for configuring some "Display" and "ISDNMon" related things. Inside the General-page there are two other pages for "Display" and "ISDNMon" and the "Display" page is also splitted into two different pages.

Normally, all events are suppressed if the corresponding GUI module is iconified. The following options force the module to wake up or do the configured actions even if iconified.

```

| elCIDPrefs - Preferences editor for elCID |
|_____|
|_____|
||About || Display | ISDNMon || | | | | |
||General || |_____||
||Paths || Page 1 | Page 2 ||
||Devices || |_____||
||DeviceInit || _____ Incoming _____ Outgoing _____ ||
||Events || |__| |__| ||
||MSNs || |Uniconify on events |__|| |Uniconify on events |__||
||Phonebook || |__| |__| ||
||DisplayFormat| |Detail req. if icon. |__|| |Detail req. if icon. |__||
||Miscellaneous| |__| |__| ||
|| | |Play sound if icon. |__|| |Play sound if icon. |__||
|| | |__| |__| ||
|| | |Exec. prg. if icon. |__|| |Exec. prg. if icon. |__||
|| | |_____|| |_____||
|| | |
||_____||
| |

```

~~~~~

General/Display/Page1/Incoming:

- Uniconify on events - If checked, tells elCIDDisplay to uniconify on any incoming event even if iconified.
  - Detail requester if iconified - If activated, elCIDDisplay shows the incoming detail requesters, even if iconified.
-

- Play sound if iconified - Forces elCIDDisplay to play the configured incoming soundfile even if iconified.
- Execute program if iconified - The configured incoming program is executed, even if elCIDDisplay is iconified.

#### General/Display/Page1/Outgoing:

- Uniconify on events - If checked, tells elCIDDisplay to uniconify on any outgoing event even if iconified.
- Detail requester if iconified - If activated, elCIDDisplay shows the outgoing detail requesters, even if iconified.
- Play sound if iconified - Forces elCIDDisplay to play the configured outgoing soundfile even if iconified.
- Execute program if iconified - The configured outgoing program is executed, even if elCIDDisplay is iconified.

The following options are for memory saving purposes:

---

| elCIDPrefs - Preferences editor for elCID |

| \_\_\_\_\_ |

| \_\_\_\_\_ |

||About || Display | ISDNMon |

||General || | \_\_\_\_\_ |

||Paths || Page 1 | Page 2 ||

||Devices || | \_\_\_\_\_ | ||

||DeviceInit || ||

||Events || | \_\_\_\_\_ Display \_\_\_\_\_ ||

||MSNs || | \_\_\_\_ ||

||Phonebook || | Show old queued at startup | \_\_\_\_ || ||

||DisplayFormat || | \_\_\_\_\_ | ||

||Miscellaneous| | Maximum queue size | \_\_\_\_\_ |100| \_\_\_\_\_ || ||

|| | | \_\_\_\_\_ | ||

|| | | ||

|| | | \_\_\_\_\_ Log \_\_\_\_\_ ||

|| | | \_\_\_\_ ||

|| | | Write log after disconnect | \_\_\_\_ || ||

---









```

||Events| ||VMC-DEV| || || | |
||MSNs| ||_____||_____||
||Phonebook| | _____Device_____ ||
||DisplayFormat| || _____ ||
||Miscellaneous| ||Device: lvmcisdn0.device |#| Unit: |_|0|_____||
|| | | _____|_| ||
|| | | _____ ||
|| | | _____ ||
|| | | Add | | Del | | Sort | |
|| | | _____| | _____| | _____| |
|| _____| | _____||
| |

```

~~~~~

Devices:

- Listview - In the listview above, you have a short overview over the configured devices. This includes the choosen name for the device, the device name itself, unit number and selected type (see there).
- Name - In the name field below the listview you can choose a name for the device. Normally you should use the default name "<Device>/<Unit>" that is automatically set when selecting a device and unit.

Devices/DeviceFlags:

- Type - You are able to choose the watch type with this cycle-gadget. The following types are supported:
 - VMC-ISDN - VMC ISDN driver support
 - BSC-ISDN - BSC ISDN driver support (n/a) \$\$\$
 - ITH-ISDN - ITH ISDN driver support (n/a) \$\$\$
 - OwnDevUnit - Normal device handling with OwnDevUnit support
 - Device patch - Using sys-patches for collecting data.
 - Normal - Fully normal device handling.

Devices/Device:

- Device - There are two ways to tell eICIDPrefs which device should be used: You can type in the name directly or use the pop-up gadget to get a list of all available devices.
- Unit - This slider is for changing the unit number of the device. You can change it in the range from 0 to 100.
- Add - Pressing this button will add a "» New «" entry to the list.
- Del - Deletes an old entry without warning.
- Sort - You can sort the device list by pressing this button.

- ```
| eICIDPrefs - Preferences editor for eICID |
|_____
| _____ |
	About		_____				
	General		VMC-DEV				
	Paths						
	Devices						
	DeviceInit		_____				
	Events		_____				
	MSNs		Page 1	Page 2	Page 3		
	Phonebook		_____	_____			
	DisplayFormat		_____				
	Miscellaneous		Reject string:	ATH			

		Global reject string:	ATH1				

		Global reject off string:	ATH0				

	_____	_____					
~~~~~
```

| elCIDPrefs - Preferences editor for elCID |

|

```
| _____ |  
||About || _____ || | | | |
||General || VMC-DEV ||  
||Paths || ||  
||Devices || ||  
||DeviceInit || _____ ||  
||Events || _____ ||  
||MSNs || Page 1 | Page 2 | Page 3 ||  
||Phonebook || _____ | _____ | ||  
||DisplayFormat| || ||  
||Miscellaneous| || ||  
|| || _____ | ||  
|| || OwnDevUnit request: |# | Release || ||  
|| || | _____ || ||  
|| || _____ | ||  
|| || Set ISDN debug flag: |# | Auto || ||  
|| || | _____ || ||  
|| || ||  
|| || _____ | ||  
|| _____ | _____ ||  
||
```

## DeviceInit/Page3:

· OwnDevUnit request - An unit request from another program through OwnDevUnit can cause several actions in eICID:

- Release - Immediately release the

device. This opens a re-

quester, waiting for the

user to select "Go back"

or "Quit".

- Keep open - Keep the device open.

- Close - Close the device (no re-

quester).

- Auto reown - Reown device automatically

after freeing by the other

program.

- Ask - Ask the user what to do.

- Set ISDN debug flag - This is a bit special: Currently for VMC only

you can specify here how to handle the debug

flag. This is based on the state of the VMC driver and the debug fields:

- Auto - Do automatic debug-flag and -task related changes and actions.
- Man - Let the user manually set the debug flag.
- Force - Forces the debug flag and task to be set to eICID.

Further information:

- If the VMC device driver is not activated, it will be activated by opening and closing it right after if "Auto" or "Force" is selected.
  - If the device is up and running and no valid debug task is selected, eICID makes itself the debug task and sets the debug flag if "Auto" is selected.
- If you have specified "Force", eICID does no further checks and overwrites the old debug task and flag.
- After quitting eICIDISDN, the old state will be restored to it's original values if "Man" or "Force" is selected.

## 1.24 eICID V2.0Pre · eICIDPrefs\Events

Events:

This will added when analog parts are available. \$\$\$

## 1.25 eICID V2.0Pre · eICIDPrefs\MSNs

MSNs:

Here you specify your MSNs (Multi Subscriber Number). If you only have an analog connection, you have to add your telephone number here.

---

| eICIDPrefs - Preferences editor for eICID |

| \_\_\_\_\_ |

| \_\_\_\_\_ |

||About | | \_\_\_\_\_ ||

||General | ||Name MSN Location | ||

||Paths | ||---- --- ----- | ||

||Devices | ||Bath 12345 Bathroom, Fax | ||

---



[illegible]

Phonebook:

- Listview - Here you see an overview of your configured phonebook entries.
- Name - The name of the selected entry.
- Edit - Pressing this button let you edit the selected entry.
- Add - Pressing this button will add a "» New «" entry to the list.
- Del - Deletes an old entry without warning.
- Sort - You can sort the phonebook list by pressing this button.

When adding or editing (doubleclick) entries, another window called "Phonebook edit" will be opened. If you select one of the special entries, the "Action" page will be shown and the "General" page is disabled.

I Phonebook edit I

I \_\_\_\_\_ I

I \_\_\_\_\_ I

|| General | Action ||

|| \_\_\_\_\_ ||

|| \_\_\_\_\_ ||

|| Forename: | | ||

|| \_\_\_\_\_ | ||

|| \_\_\_\_\_ ||



||Surname: || ||

|| | \_\_\_\_\_ | ||

|| \_\_\_\_\_ ||

||Street: || ||

|| | \_\_\_\_\_ | ||

|| \_\_\_\_\_ ||

||ZIP: || City: || ||

|| | \_\_\_\_\_ | | \_\_\_\_\_ | ||

|| \_\_\_\_\_ ||

||Phone: || ||

|| | \_\_\_\_\_ | ||

|| \_\_\_\_\_ ||

||Info: || ||

|| | \_\_\_\_\_ | ||

|| \_\_\_\_\_ ||

| \_\_\_\_\_ |

|| Use || Cancel ||

|| \_\_\_\_\_ | | \_\_\_\_\_ | |

| \_\_\_\_\_ |

Phonebook/Edit/General:

Should i explain these?? Ok!

- Forename - The forename of the person.
- Surname - The last name of the person.
- Street - The street the person lives in.
- ZIP - The ZIP code.
- City - The city the person lives in.
- Phone - Phone number of that person.
- Info - Some information about this person.

| Phonebook edit |

| \_\_\_\_\_ |

| \_\_\_\_\_ |

|| General | Action ||

|| || ||

|| \_\_\_\_\_ ||

|| Incoming | Outgoing ||

|| | \_\_\_\_\_ ||

|| \_\_\_\_\_ ||

|| | \_\_ | ||

```

|| Show listview text: |__| | _____ || | | | |
|| | | | _____ | ||
|| |__| | Play sound: |InSound.aiff |#| | Play ||
|| Show detail requester: |__| | | _____ | | | _____ ||
|| | | | _____ | ||
|| |__| | Execute: |InProgram |#| | Executell ||
|| Add logfile text: |__| | | _____ | | | _____ ||
|| | | | _____ | ||
|| |__| | Modem string: | ||
|| Reject call: |__| | | _____ ||
|| | | | _____ | ||
|| | _____ | ||
|| _____ ||
| _____ |
|| Use | | Cancel | |
|| _____ | | _____ | |
| _____ |

```

#### Phonebook/Edit/Action/Incoming:

- Show listview text - If a call occurs, an entry will be added to the listview (elCIDDisplay) if this checkmark is selected.
- Show detail requester - Same for the detail requester. If checked, a detail requester is opened and the configured information is shown.
- Add logfile text - Adds the call information to the logfile if checked.
- Reject call - Reject this call if checked. (n/a) \$\$\$
- Play sound - By pressing the popup button or simply type the name of the soundfile, you select the name of the file to be played when a call comes in. You can use all the **Placeholder** here.
- Play (button) - With this button you can check the soundfile by playing it.
- Execute (string) - This is the program that is executed when an incoming call is recognised. **Placeholder** are supported too.
- Execute (button) - Check the program.
- Modem string - here you specify the string that should be sent to the modem when an incoming call is de-

tected.

---

| Phonebook edit |

| \_\_\_\_\_ |

| \_\_\_\_\_ |

|| General | Action ||

|| | |

| \_\_\_\_\_ | ||

|| Incoming | Outgoing ||

|| \_\_\_\_\_ | ||

|| \_\_\_\_\_ ||

|| | \_\_ | ||

|| | Show listview text: |\_\_| | \_\_\_\_\_ ||

|| | | \_\_\_\_\_ | ||

|| | \_\_ | | Play sound: |OutSound.aiff |#| | Play || |

|| | Show detail requester: |\_\_| | | \_\_\_\_\_ |\_\_| | \_\_\_\_\_ || |

|| | | \_\_\_\_\_ | ||

|| | \_\_ | | Execute: |OutProgram |#| |Execute|| |

|| | Add logfile text: |\_\_| | | \_\_\_\_\_ |\_\_| | \_\_\_\_\_ || |

|| | | \_\_\_\_\_ | ||

|| | \_\_ | | Modem string: | | ||

|| | Reject call: |\_\_| | | \_\_\_\_\_ || |

|| | | \_\_\_\_\_ | ||

|| | \_\_\_\_\_ | ||

|| \_\_\_\_\_ ||

| \_\_\_\_\_ |

|| Use | | Cancel | |

|| \_\_\_\_\_ | | \_\_\_\_\_ | |

| \_\_\_\_\_ |

Phonebook/Edit/Action/Outgoing:

- Show listview text - If a call occurs, an entry will be added to the listview (elCIDDisplay) if this checkmark is selected.
  - Show detail requester - Same for the detail requester. If checked, a detail requester is opened and the configured information is shown.
  - Add logfile text - Adds the call information to the logfile if checked.
  - Reject call - Reject this call if checked. (n/a) \$\$\$
-

- Play sound - By pressing the popup button or simply type the name of the soundfile, you select the name of the file to be played when a call goes out. You can use all the **Placeholder** here.
- Play (button) - With this button you can check the soundfile by playing it.
- Execute (string) - This is the program that is executed when an outgoing call is recognised. **Placeholder** are supported too.
- Execute (button) - Check the program.
- Modem string - here you specify the string that should be sent to the modem when an outgoing call is detected.

## 1.27 eICID V2.0Pre · eICIDPrefs\DisplayFormat

DisplayFormat:

Here you specify how to display each type of call in eICIDDisplay. All **Placeholder** can be used. In "Detail" and "Logfile" you can specify **Format Codes** too. This window is only an example. You should play with the preferences to see how it works. It is really simple.

---

```

| eICIDPrefs - Preferences editor for eICID |
|_____|
|_____|
||About || Incoming | Outgoing || | | |
||General || || ||
||Paths || |_____||
||Devices || || Listview | Detail | Logfile ||
||DeviceInit || |_____||
||Events || |_____||
||MSNs || ||{ccp}|,{cdp} | ##||
||Phonebook || |_____||
||DispFormat || |_____||
||Miscellaneous|| ||555-STARWARS|,YOUR-NUMBER ||
|| | || ||
|| | || ||
|| | || ||
|| | || ||

```

---

|| | ||| ||||

|| | ||| ||||

|| | ||| \_\_\_\_\_ ||||

|| | || \_\_\_\_\_ |||

\_\_\_\_\_||\_\_\_\_\_||\_\_\_\_\_||

11

The pages are the following:

- Incoming - For incoming calls.
- Outgoing - For outgoing calls.

Both pages offering the following secondary pages:

- Listview - Here you specify the listview format for incoming and outgoing calls.
- Detail - This is the same for detail requesters.
- Logfile - The logfile format.

## 1.28 elCID V2.0Pre · elCIDPrefs\Miscellaneous

Miscellaneous:

(n/a) \$\$\$

## 1.29 elCID V2.0Pre . Format codes

## FORMAT CODES

It is possible to use several formatting codes inside of some preferences fields. Here is an overview:

ESC in the following text means '\033'. This is the octal escape code.

'\n' Start a new line.

ESC - Disable text engine, following chars will be printed without further parsing.

ESC u Set the soft style to underline.

ESC b Set the soft style to bold.

ESC i Set the soft style to italic.

ESC n Set the soft style back to normal.

ESC <n> Use pen number "n" (2..9) as front pen. "n" must be a valid

DrawInfo pen.

ESC c Center current (and following) line(s).

This sequence is only valid at the beginning of a string or after a newline character.

ESC r Right justify current (and following) line(s).

This sequence is only valid at the beginning of a string or after a newline character.

ESC l Left justify current (and following) line(s).

This sequence is only valid at the beginning of a string or after a newline character.

## 1.30 eICID V2.0Pre - Placeholder

### PLACEHOLDER

!!Entries marked with (n/a) are not available currently!!

First, two special listview only placeholders:

, - Split two entries

| - Insert bar into the listview

The following placeholders are useable in the whole eICID system:

{csd} - Call start date

{cst} - Call start time

{ced} - Call end date

{cet} - Call end time

{csw} - Call start weekday

{cew} - Call end weekday

{ccp} - Calling party number

{cdp} - Called party number

{cui} - Used channel value (0=unknown, 1, 2, 3=any)

{cut} - Used channel text

{cdi} - Incoming/outgoing call (0=outgoing, 1=incoming)

{cdt} - Incoming/outgoing text

{cri} - Rejected value (0=not rejected, 1=rejected)

{crt} - Rejected text (if rejected)

{cti} - Type of caller numbervalue

{ctt} - Type of caller numbertext (n/a) \$\$\$

{cyi} - Type of called numbervalue

{cyl} - Type of called numbertext (n/a) \$\$\$

{cpi} - Type of call value

{cpt} - Type of call text (n/a) \$\$\$

{cii} - Disconnect reason value

{cit} - Disconnect reason text (n/a) \$\$\$

{crv} - Call reference value

Now for some listview placeholders:

{ucf} - External party forename  
{ucs} - External party surname  
{ucn} - External party full name  
{uct} - External party street  
{ucz} - External party zip code  
{ucc} - External party city  
{uci} - External party info  
{ucp} - External party sound  
{uce} - External party execute  
{ucm} - External party modem string  
{udf} - Internal party name  
{uds} - Internal party location

The following placeholders are splitted into "incoming" and "outgoing":

In: {ucf} - Calling party forename  
{ucs} - Calling party surname  
{ucn} - Calling party full name  
{uct} - Calling party street  
{ucz} - Calling party zip code  
{ucc} - Calling party city  
{uci} - Calling party info  
{ucp} - Calling party sound  
{uce} - Calling party execute  
{ucm} - Calling party modem string  
{udf} - Called MSN name  
{uds} - Called MSN location  
Out: {ucf} - Called party forename  
{ucs} - Called party surname  
{ucn} - Called party full name  
{uct} - Called party street  
{ucz} - Called party zip code  
{ucc} - Called party city  
{uci} - Called party info  
{ucp} - Called party sound  
{uce} - Called party execute  
{ucm} - Called party modem string  
{udf} - Calling MSN name  
{uds} - Calling MSN location

---

## 1.31 elCID V2.0Pre · Register

### REGISTER

elCID is SHAREWARE. Everybody using this program for longer than 3 weeks has to register it **here** by email or snail-mail or must delete the whole installation.

For registration, fill out the registration form , send it to the author and pay the shareware fee of DM 30.- (\$20 or same amount in other currency). The keyfile will be send to you by email or snail-mail.

Address: see **Support**.

## 1.32 elCID V2.0Pre · Updates

### UPDATES

Updates are available on the elCID support page at <http://home.t-online.de/home/cscholling/>, VMC support BBS (+49-6227-880464) and on Aminet (comm/misc) one or two days later.

## 1.33 elCID V2.0Pre · Support

### SUPPORT

I attempt to reply to all elCID related mails as fast as possible. But due to my job and programming and some other things ;-), i'm very busy sometimes. Please don't be angry when not receiving an answer next day. Your mail will be read and replied, be sure.

You can reach me in the following ways:

email1: [elcid@galaxy5.com](mailto:elcid@galaxy5.com)

email2: [cscholling@t-online.de](mailto:cscholling@t-online.de)

fidonet: 2:2432/1110.18@fidonet

amiganet: 39:170/101.18@amiganet

www: <http://home.t-online.de/home/cscholling/>

snail-mail: Carsten Scholling

Großer Lahweg 34

31020 Salzhemmendorf

Deutschland

Phone: +49-5153-96052 (only weekends)

email to [elcid@galaxy5.com](mailto:elcid@galaxy5.com) is preferred but not necessary.

Bank account:

Kreissparkasse Hameln-Pyrmont

Zweigstelle Salzhemmendorf

bank code number: 254 501 10

account number: 101 033 157

---



## 1.34 elCID V2.0Pre · Thanks

### THANKS

- Mainly i have to thank Harald Frank (VMC) for developing the ISDN-Master/Blaster and for his support, helpfull sourcecodes, new devices and so on...
- Many thanks to all the programmers and users who still work with this great machine. They let the Amiga still life on even the time is hard.

## 1.35 elCID V2.0Pre · FAQ

### FREQUENTLY ASKED QUESTIONS

Not available yet.

## 1.36 elCID V2.0Pre · History

### HISTORY

Hmm... What should i write here? elCID 2.0 is not an update to elCID 1.3. It is a complete new program. O.K. wait. I attempt to describe the changes:

- Delete Src:elCID/#? ALL QUIET NOREQ
- [Many month of hard work]
- SMake newrelease

That's all! Any questions??

## 1.37 elCID V2.0Pre · Future

### FUTURE

I have many ideas for future expansions to elCID. Currently the chat-module is under construction. It will be available soon. The analog parts are finished soon too.

- Bubble help in all GUI modules
- Module-Status window for elCIDWatch
- External address support (use external database for call recognition)
- ARexx interfaces for some modules

Some other ideas are:

- Direct BSC and ITH support
  - Telephone module
  - PatchTerm module for observation of patched devices and normal terminal functions
  - Fax module
-

## 1.38 eICID V2.0Pre · Bugs

### KNOWN BUGS

- Sometimes, eICIDDisplay does no normal call clearing (a call remains active). This is a problem with some analog/audio calls: In this case, only a SETUP message is sent over the D-Channel and eICID is unable to recognise the end of this call.

I have done a workaround for these cases. If a new call occurs, the old entries are scanned for a not yet finished call on the same channel. If found, the old call will be manually cleared and the new one will be added to the list.

- When you specify the same placeholder two or more times, you may see some curious results. This is a bug in AmigaOS and not my fault. In future i include a workaround for these cases, but for now, you should not use the same placeholder more than one time.

Some restrictions for this PreRelease:

- Analog parts "eICIDSerial" and "eICIDSerPatch" are not included
- eICIDRapChat is not included
- Rejecting a call (single or global) is not supported yet

## 1.39 eICID V2.0Pre · Disclaimer

### DISCLAIMER

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDER AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

---

## 1.40 elCID V2.0Pre · Copyright

### COPYRIGHT

elCID is copyright ©1997-1998 by **Carsten Scholling**. All rights reserved.

elCID is shareware. This means, that you need a personal keyfile to use the full functionality of elCID. Details about registration you will find in **Register**.

After a test period of 3 weeks you **MUST** register if you want to use it continuously or you have to delete the complete installation.

The user (you) will receive a keyfile from me, after registration. This keyfile is for private use only. It must not be shared with other users. Sharing of keyfiles is software piracy! So, please don't do something like that.

It is not allowed to sell, change or buy keyfiles from other users without a written permission from the author. All keyfiles are personalized. Only the registered user has the permission to use the keyfile.

All executables and the documentation must not be changed in any way, reassembled, patched or something similar, except this is an official patch or update direct from the author. The use of patched or changed executables and documentation is software piracy!

**YOU ARE NOT ALLOWED** to translate the documentation or any executable of elCID, except you are an official translator named by the author. Any changes are a copyright violation!!

No profit has to be made by passing on the software. For example a disc containing the package has to cost not more than DM 5.- or same amount in another currency.

## 1.41 elCID V2.0Pre · AboutVMC

### ABOUT VMC

So. You want to know, why elCID doesn't support BSC and ITH directly? O.k.

Open your eyes and see:

1. My ISDN card is an ISDN-Blaster-Z2 and therefore my first device driver was the vmcisdX.device.
2. The VMC software supports ALL available ISDN cards for the Amiga.
3. VMC software will be improved and updated frequently.
4. VMC supports programmers.
5. Is BSC or ITH software still under development? Where is ITH??

There are many more reasons. It is based on your needings and your acknowledgement of my work if elCID in future supports other devices directly.

---

## 1.42 hate

Hi!

Welcome on my secret page ;-)

Please note, that i really HATE writing docs! The reason is, that i could do the universe and all around in six days, but for the documentation i need at least the rest of my life...

Where the shit is the PI key???

## 1.43 elCID V2.0Pre - Index

INDEX

(n/a)