Default

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WRITTEN BY		February 12, 2023	

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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Default

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CID Logger V1.11
"""""""""""""""""

Caller IDentification software for the UK system.

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1.2 Copyright Information

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                 Copyright Notice
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Conditions of distribution and use include, but are not limited to:

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                 contact the Author
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A charge may be made for a license for commercial distribution or use.

1.3 Requirements

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                 Requirements
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The CID Logger package.

An Amiga with a spare serial port.

Workbench 1.3 or greater, some options require > V2.0

narrator.device and translator.library (Only if SPEECH required)

Some form of
                    hardware
                     to catch the information.

1.4 Introduction

                    Introduction
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CID Logger takes BT Caller Display information at 1200 bps from a serial port
on any Amiga computer and converts this into a useable form, CID Logger will..

    Log all incoming calls with date, time, number and optional name.

    Announce calls with a beep and/or speech announcement.

    Look up a personal Phone Book to see if caller is known.

    Warn of Withheld or Unavailable numbers.

    Hang up on numbers which are WITHHELD (requires modem)

    Announce when a local call is received.

    Set the system time to BT time.

    Maintain the last callers number in ENV:LastCaller

    Maintain its logfile to a set number of lines.

    CID Logger is BT name ready. (Hopefully)

All you have to do is provide the CID information to your chosen serial port
and away you go.

This software will enable you to use ANY
                    hardware
                     which outputs the
standard 1200 bps stream.

1.5 Hardware

Hardware
""""""""
Unfortunately, at this writing there is no official way of getting the
required data into your Amiga.

I have seen two hardware projects around, one of them, MINIBOX.ZIP, requires

you to etch your own PCB while the other, CIDBox.LHA, does not. The hardware
for EITHER of them will work but as they require a direct connection to the
line they are not approved for connection to a BT line so of course I don't
recommend that you use them. :)

MINIBOX.ZIP is available at ftp.demon.co.uk in the pub/doc/misc directory.
Not sure where CIDBox.LHA is available for ftp at the moment but I have seen
both of these packages on BBSs in the UK.

Hopefully modems will soon appear which support BT CLID or perhaps someone
can come up with a circuit similar to Minibox but which uses some sort of
pick-up coil placed next to the line negating the need for approval. If you
do I'd like to see it.

1.6   Installation

Installation
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There are three main bits of CID Logger to install,

     CIDLogger   -   The Executable, best to insert this in your startup
                       somewhere so that it is always running. Put it in
                       WBStartup along with the icon or in c: and add a line
                       to your Startup-Sequence to run it.

     CIDLogger.cfg - The configuration file, see later for options. CID Logger
                       will search for this in the current directory, ENV: and S:

     CIDPhoneBook - An optional phone book which lists all the people who
                       most commonly call you with their numbers and an optional
                       string to announce them when they call. You can put the
                       phone book wherever you want, just tell CID Logger where
                       to find it in your CIDLogger.cfg

NOTE: To use the speech facility in CID Logger you must have narrator.device
in DEVS: and translator.library in LIBS: Later versions of the OS did not
include these. It should be possible to buy an older WB version quite cheaply
and you can then legally install these files to your newer system.

Also to use the clock setting facility you must be using version 2.1 or later.

1.7   Configuration

             Configuration
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Each option should have its own line in the file, comments are preceded by a
semi-colon. Do NOT use quotes when an option requires a string. A minimum

configuration file needs a DEVICE and UNIT. Everything else defaults to OFF.

Options...

DEVICE   A string of up to 35 bytes which is the name of the serial device
             unit which CID Logger will use. Case is important in device names
             so make sure it exactly matches the name in DEVS:

UNIT   The Unit number of this device, this is one character, 0-9. The
             internal unit is serial.device, unit 0

HANGUPDEVICE
             As for DEVICE but if you have a modem on the same line as your
             CID hardware then you can set this to the port which the modem
             is connected to and have CID Logger hang up on any caller whose
             number is WITHHELD. If you are running a BBS then you would be
             better to use BBSMODE and check for WITHHELD so that you can
             inform your caller WHY you are hanging up.

HANGUPUNIT   As for UNIT but defines the unit for your modem. If EITHER/OR
             these two options are not defined then auto-hangup is disabled.

LOG   ON or OFF. If you want all callers to be stored in LOGFILE.

LOGFILE   A string of up to 255 bytes giving the full path and name of the
             file where CID Logger will log all incoming calls. Not required
             when logging is turned off. The logfile will be automatically
             created when the first call is received and will be formatted
             to fit on an 80 character display.

             eg. dh0:Logs/CIDLogfile

LOGLENGTH   If this is defined then CID Logger will keep your logfile below
             this number of lines. Each line is 79 bytes so if you set it to
             500 lines the maximum size of your logfile would be under 40K.

             Note that you must have this amount of free memory to use this
             option, if CIDLogger cannot get the memory then the logfile will
             continue to grow until the memory IS available when it will be
             cut to size. Also make sure your logfile is not protected from
             deletion.

SEPERATOR   A single character which tells CID Logger what character seperates
             entries in the PHONEBOOK. Not required if PHONEBOOK is not defined.
             The default is the | character.

             eg. :

PHONEBOOK   A string of up to 255 bytes giving the full path and name of a
             text file containing a list of all numbers which you wish CID
             Logger to recognise. See the section on
                 PhoneBook
                  and the example
             Phone Book included with this package for more information.
             If PHONEBOOK is not defined then it will be turned OFF.

eg. MAIL:CIDLogger.Phone

BEEP   ON or OFF. If ON CID Logger will issue an Amiga DisplayBeep alert
             as soon as a CID string is received, probably before your phone
             actually starts to ring.

BBSMODE   ON or OFF. If ON then the last number called is always available in
             ENV:LastCaller making it easy to check from an ARexx script. The
             string will be the number, 'UNAVAILABLE' or 'WITHHELD'.
             UNAVAILABLE means the call is from an exchange which does not
             support UK CID and WITHHELD means the number was deliberately
             withheld by the caller.

             See
                 Note to Sysops
                 SETCLOCK   ON or OFF. If ON and using WB>2 then everytime a call ←
                     is received
             CID Logger will set your system clock to the time sent by BT. It
             will also set your battery backed clock if present.

             NOTE1-BT don't send the seconds so this is only accurate to the
                     nearest minute.
             NOTE2-BT Don't send the year either, sooooo, CID Logger uses the
                     current system year to work out if it's a leap year or not.
                     If the year is not right then the date wont be either.
                     Obviously this isn't going to be a problem for 99.999% of
                     users, the only possible hitch would be if your system is
                     out a minute or two around 00:00 at new year AND you
                     receive a phone call which corrects this back or forward
                     but doesn't change the year. To allow for this (slight)
                     possibility CID Logger will not set the clock when
                     receiving a call in the first or last hour of a year.

DEBUG   ON or OFF. If ON CID Logger will return a meaningful message to
             the CLI if it fails to start up. Use this only if you're having
             trouble getting CID Logger to work. Note that it will only
             report failure of things which are essential to its running.
             ie. If you have SETCLOCK turned ON but are using a version of
             Workbench which doesn't support it CID Logger will just turn it
             OFF and continue. See also
                 Troubleshooting
                 .

** The following options all refer to the SPEECH facility in CID Logger and **
**   so require that you have translator.library and the narrator.device.   **

SPEECH   ON or OFF. If ON then CID Logger will announce all calls either
             from the data you give it in the
                 PHONEBOOK
                  or from the BT info.

             Possible speech output examples are.....

             Any string defined in PHONEBOOK or..

             Number Withheld
             Number Unavailable

```
               Unknown number, 01234 567890
               Unknown local number, 567890
               Unknown, Mr. G Smith   (BT Names, when available)
```

LOCAL   A string of up to 20 characters giving your local STD code so
             that CID Logger can announce when the caller is local.

             eg. 01234

BTNAMES   ON or OFF. When ON, if there is no entry for this caller in
             PHONEBOOK *and* BT have sent the name of the caller then CID
             Logger will simply announce the caller string as sent by BT
             instead of the number.

             eg. Mr. G Smith

             This will also affect how other things like payphones are
             announced. If BTNAMES is OFF then a payphone which has no entry
             in your phonebook would be announced as 'unknown number xxxxx'
             but if ON it would be 'unknown payphone'

             The logfile will always hold both the number and the name.

             Any entry for the number in your phonebook will override any
             BTNAME for both the announcement and the logfile.

1.8   CID Logger Phonebook

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The PhoneBook
"""""""""""""
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The phonebook is where you can store all the numbers which you wish CID Logger
to recognise and use for both the SPEECH and LOGFILE, here is a typical entry
in a phonebook...

01234-567890 | Mr. G Smith | What a great guy.

Right :) here I have used the '|' character for a seperator which is the default
anyway, you can also use tabs and spaces as I have to keep everything really
neat but CID Logger will ignore them, or, you can just bunch everything up
together with only the seperator character between them.

The first bit in the line is the phone number exactly as received from BT and
shown in the LOGFILE. Mostly they should come in the format above or if there
are more digits something like 01234-567-8910.

Next is the seperator and then the name as you want it to appear in the LOGFILE.
This will be shortened to 40 characters so that the LOGFILE will always be
correctly formatted so try and keep it <40 characters long.

Then, if you're using SPEECH, another seperator followed by the string you wish
to be sent to the Amiga translator, you may have to fiddle about with it a bit
to get it to sound just right, try it in the Commodore 'Say' program first to
see if it sounds OK. Also have a look at the example phonebook to see the sort

of sounds you can alter by using different letters than you would expect.

The phonebook can be as big as you like and the speech string can be as long
as your editor will allow but remember that CID Logger must find enough memory
to hold the whole phonebook.

1.9   System CPU usage

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CPU Usage
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CID Logger will use *no* CPU time in itself when it is not receiving a signal
from the serial port so it is safe to increase the priority by using the
TOOLPRI= tooltype in the icon if you find that it is not picking up calls when
the system is under a heavy load. Talking into the phone or using a modem on the
line WILL send data to CID Logger which it will ignore as it is not a BT string,
however this will take some processing time and so be careful not to set the
priority TOO high and ALWAYS make sure it is lower than your comms software
when using a modem on the same phone line CID Logger is connected to.

1.10   How to QUIT CID Logger

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Quitting
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Just send CID Logger a CTRL C.

1.11   Troubleshooting

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Troubleshooting
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** Total Failure **
 If CID Logger fails to run then try using the DEBUG option and running it
 from the CLI, this should give you a better idea of why it is failing.

** Partial Failure **
 If it runs but fails to do something, ie. no speech, then it is probably
 because something is missing or in use, in this case it could be a missing
 library or because the audio is in use by something else.

 Another possibility is lack of memory, this is unlikely as CID Logger
 doesn't use much but if you are short it could manifest itself in a number
 of ways such as no speech or clipping the end off the speech.

** Phantom Phonecalls **
 When I first experienced this I though it was a bug, it may be but it's
 with BTs software not mine :)

What happens is that you receive a CID string but the phone doesn't even
begin to ring. I'm not sure why this happens, perhaps the information is
sent down the wrong line but if you dial 1471 you will find that it holds
the same number as CID Logger reported.

I've even had it happen when the phone is off hook which shouldn't happen at
all, CID Logger cannot make things up though, if it reports a CID string
then you DID receive it, this can be confirmed by checking the date and time.

1.12 Note to Sysops

                    Note to Sysops
"""""""""""""""""

CID Logger is FREEWARE as long as your BBS provides FREE access,
subscription charges are OK as long as users can still get free access
albeit at a reduced level. Commercial systems should
                    contact the author
                        .

It would be nice though if you could perhaps give CID Logger a mention on
your login screen, and me if your like :)

Currently there is no support for multiline BBSs. It would be a fairly
simple change to allow you to run multiple copies of CID Logger for each
line but as each one needs its own serial port and hardware it seems a bit
of overkill. I can't really think of a way around this until we have modems
which support CID.

1.13 Contacting the Author

Contacting the Author
""""""""""""""""""""""""

I hope you find CID Logger to be useful, I've been running it in various forms
since May 1995 and hope I have found all the bugs, if you find any bugs which
I have missed or if you have suggestions on how to improve CID Logger then
feel free to contact me.

Contact the author by email on fidonet at 2:250/107.106 or

                    gordon@gjasmith.demon.co.uk

                Gordon JA Smith - Mystic Source Software
                ""

1.14 History

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History
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V1.0   (16-06-95)
         -*-    - Initial Release


V1.1   (16-10-95)
         Bugfix - Fixed bug in SETCLOCK option, some dates didn't work.
         Change - Tidied up strings outputed to ENV:LastCaller to make it
                  simpler for checking. Now outputs either the number,
                  WITHHELD or UNAVAILABLE.
         Change - Improved speech string when number is UNAVAILABLE.
         New    - Added auto hang-up (with modem) if number is WITHHELD. }:-)
         New    - Added Logfile size Maintenance option.
         New    - Some extra checks added for receiving a corrupt CID string.

V1.11 (11-02-96)
         -*-    - First Aminet release.
         Bugfix - Killed another bug in the SETCLOCK option.
```

1.15 To Do

```
To Do
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Possible changes I have in mind are...

Remove internal checking for WITHHELD and UNAVAILABLE. These could be added to the PhoneBook so that the user can select what is announced when one of these is encountered.

A blacklist of numbers which would cause CID Logger to auto hang-up on the caller. WITHHELD could then be included in this blacklist.

The facility to play samples instead of using the narrator.device.

Make it a commodity. I'm still working with WB1.3 docs.

Add support for voice modems to let caller know *why* you're hanging up on them when blacklisted.

If I get as far as the final idea then the next stage would be a voice mail type package. I have some ideas for this that *I* would find very useful. If I take this route then this may be the last release of CID Logger as it would emerge as a new integrated package, hopefully with a GUI.

Maybe by that time modems will support UK caller display.