

Phonebill

COLLABORATORS

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WRITTEN BY		July 27, 2024
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	Phonebill	1
1.1	Phonebill Documentation	1
1.2	Disclaimer	1
1.3	Shareware	2
1.4	Copyright and Distribution	2
1.5	Introduction	2
1.6	System Requirements	3
1.7	Installation	3
1.8	CLI Arguments	3
1.9	Using Phonebill	4
1.10	Supported Logfiles	6
1.11	log_terminus	7
1.12	log_magicall	7
1.13	log_termact	7
1.14	log_termcall	8
1.15	TrapDoor	8
1.16	Program history	9
1.17	Version 1.08	9
1.18	Version 1.07	10
1.19	Version 1.00	11
1.20	Future improvements	11
1.21	Registration	11
1.22	Contacting the author	11
1.23	Program Updates	12
1.24	Miscellaneous	12

Chapter 1

Phonebill

1.1 Phonebill Documentation

Welcome to the Phonebill V1.08 Documentation.

Please select any of the topics listed below.

```
@{ " Disclaimer                " link disclaimer }
@{ " Shareware                " link shareware }
@{ " Copyright and Distribution " link copyright }
@{ " Introduction             " link introduction }
@{ " System Requirements       " link systemreqs }
@{ " Installation             " link installation }
@{ " Using Phonebill           " link using }
@{ " CLI Arguments            " link cliusage }
@{ " Supported Logfiles        " link logfiles }
@{ " Contacting the author     " link contact }
@{ " Registration              " link registration }
@{ " Program history           " link changes }
@{ " Program updates           " link programupdates }
@{ " Future improvements       " link improvements }
@{ " Miscellaneous             " link misc }
```

1.2 Disclaimer

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS 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 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 PROGRAM), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

1.3 Shareware

This program is SHAREWARE. This means that if, after a reasonable trial period, you continue to use this product you should pay the author a small fee (read the @{" REGISTRATION " link registration } section for more information ← about this). The

author is giving you the opportunity to try the full version of Phonebill, before you pay for it. It is just that simple. Try it; either pay or quit using it. How long is the trial period? You should be able to determine that Phonebill meets your needs within 3 weeks. If you require a longer period, please consider your motives: the requested fee is inexpensive, there is no need to abuse it.

1.4 Copyright and Distribution

```
|~ ~_____~ ~| |~~| |~~| |~ ~| |~ ~\ |~~| \~ ~\ /~ ~/
|: |___  ___| || |: |__| || || | || \ | || \_ \// _/
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```

- a REFLECTION of PERFECTION -

Phonebill
Copyright (C) 1993 SPHINX

Phonebill Documentation
Copyright (C) 1993 SPHINX

Phonebill, Copyright (C) 1993 SPHINX. All rights reserved. This program is @{" SHAREWARE " link shareware } . You may make copies of the software and ← documentation

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1.5 Introduction

Phonebill is, simply said, a logfile analyser. What it basically does is scan the logfile(s) generated by a terminal program or a mailer, extract all information about calls you have made by using your modem, and store this in its own (short) format. Then Phonebill can give you details like the exact costs of the calls, and much more. You might wonder: why did I write this program? Sure... there are hundreds of logfile analysers that sometimes even calculate the costs correctly, but all these programs are just simple, very limited, uncomfortable, CLI-based programs, that don't offer the features Phonebill is offering.

1.6 System Requirements

Phonebill requires at least AmigaOS 2.04. It should work on any Amiga satisfying this condition. I don't know if it is possible to use this program without a harddisk, and I really don't care. A computer without a harddisk looks like a Nintendo! Phonebill has been tested on:

- A4000/040, AmigaOS 3.0, 6MB Memory.
- A4000/030, AmigaOS 3.0, 4MB Memory.
- A2000, Z-Kicked AmigaOS 2.04, 3MB Memory.
- An ANCIENT A500, AmigaOS 2.04 (once it had 1.2), 2.25MB Memory.

(If you really want to know, it passed the test! :-)

1.7 Installation

Just drag the Phonebill drawer over to the drawer where you would like to copy it to. That's all there is to it!

Upgrading from V1.00: please note that all the configuration files have changed. This means that you can't use your V1.00 configuration files anymore. You may delete all phonebill files found in the S: drawer, except for the "S:Phonebill.Log" file. I am sorry for the inconvenience. This will *NOT* happen again.

1.8 CLI Arguments

When started from the CLI or Shell, Phonebill accepts commandline arguments. To view all known arguments, supply a "?" as only argument to the program, for example:

```
1.SPHINX-O-HD:Comm/Misc> Phonebill ?
```

So far only one argument is accepted:

- Process/S Phonebill will process the logfiles, and return control to the CLI/Shell when done.

1.9 Using Phonebill

Using Phonebill is fairly easy. To start it, double-click its icon. When the program is loaded, you should see a window pop up. From now on I'll refer to this window as the main window. It contains the following gadgets:

•~Main window

Process Logs	Process the logfiles and add new calls to the binary logfile.
Preferences	In the preferences window you can control the various options of the program. You'll also find the host- and logmanager there.
About	This will open a requester with some information in it concerning the version, author, etc.
From, To	At 'From' and 'To' you can specify the period you wish to scan. Only dates in DOS format (e.g. "17-Jul-93", "Today") are allowed.
List Calls	Lists all calls in the range specified by 'From' and 'To'.
Phonebill	Generates a complete list of the costs for each host you've called. At the bottom of the overview you'll find the total amount.
Statistics	Calculates miscellaneous statistics.

First setup the preferences by clicking on "Preferences" in the main window. Now the preferences window appears, containing the following gadgets:

• Preferences window

TextViewer	The textviewer to be used for displaying the file generated by the 'Phonebill', 'List Calls' and 'Statistics' options.
Report File	The filename of the report to be generated.
Log File	The filename of the binary log file generated by phonebill.
CON: Window	Specifies the console window which will be used for miscellaneous output.
Delete report after viewing	If this option is checked, the report will be deleted after it has been viewed.
Save <from> and <to>	If this option is checked, the <from> and

date on exit	<to> date will be saved automatically when you exit the program.
Carrier Detect Time	It always takes some time before your modem has detected a carrier. The connect time in the logfiles generated by your terminal program are therefore incorrect, because the modem has been online trying to get a carrier for a couple of seconds. This takes my 14K4 (V.32bis) approx. 15 secs.
Log Manager	In the Log Manager window you can add, remove and edit logfiles and their options, for use with the Phonebill program.
Host Manager	A window appears containing a list of all 'known' host systems. You can add, remove and edit hosts.
Save	Saves current preferences, and closes the preferences window. The from/to dates from the main window are also saved.
Use	Closes the preferences window, without saving the preferences.

Now specify a textviewer (you can use e.g. the More utility from Commodore). You may also fill in the Carrier Detect Time. You normally don't have to use the host manager (yet), because all hosts get automatically added when you do the scanning. So the only thing left to do is use the log manager.

When clicking on 'Log Manager' a window appears, containing a list of all active logs. You can add, edit, and remove logfiles from the list, and when done, you can either save the new settings, or use them. If you're using the program for the first time there will probably no logs in the list yet, so click 'Add' to add one or more logfiles. Now the 'Log Settings' window appears, containing the following gadgets:

- Log Settings

Log File	The filename of the logfile to be used.
Log Format	Specifies the type of the logfile. See @{"Supported Logfiles " link logfiles } for more information. ←
Max. Logsize	The maximum size (in KB) of the logfile. If its size exceeds this value, the file will be truncated to 50% of the maximum size. This only works if the TRUNCATE option is activated.
SCAN log for phonecalls	If this option is enabled, the logfile will be scanned for calls.
TRUNCATE log if maximum size is reached	See 'Max. Logsize'.

Use ARCHIVE bit to check If enabled, Phonebill will set the archive bit of the logfile after processing. When it processes this file again it recognizes whether or not the file has changed. This will speed-up the processing.

You can add e.g. the logfile of your terminal program, and the logfile of your mailer if you are using one. When done, exit the logmanager using the 'Save' gadget. After that exit the preferences window, then press the 'Process Logs' gadget in the main window. Now a console window, named 'Phonebill Output', appears, where you can see exactly what Phonebill is doing. After some time, the text "Done. Close window to continue." appears, so you can close the window in order to continue. Phonebill has extracted all information about calls from the logfiles, and it has saved this information in its own binary logfile. This binary logfile uses a very compact format: it can hold lots of calls without getting really big (like normal logfiles produced by terminal programs).

Now you can calculate the Phonebill, list all calls or look at the statistics. In order to do this, first enter a 'From' date and 'To' date. You might wonder, how does Phonebill know how to calculate the costs? Well, it doesn't. It still needs some additional information, but it will ask for this when the information is needed. So just click on 'List Calls', 'Phonebill' or 'Statistics', whatever you want. Since no information about the hosts is provided yet, a requester will pop up: "Unlisted Host found...". You can either abort the scanning completely, skip this host, or add it to the logmanagers' list. We choose the latter.

A new window pops up: the 'Host System Settings'. The name and/or number of the host have already been filled in. If the rate applicable to this host system is already in the 'Call Rates' list, click on it and then press 'Ok' to continue scanning. If it isn't present, you'll have to create a new rate by clicking the 'Add' gadget. Now the 'Rate Editor' appears. Fill in the rates' name, the cost per unit, and the time unit which are to be used. Normally this is not enough, because there are always exceptions for the rate, e.g.: calling at night may be cheaper etc. If this is the case, click on 'Add' to add a rate exception. When you've completed the rate, click 'Ok' and select the rate in the 'Host System Settings'. Then press 'Ok' again, and Phonebill continues the scanning. This goes on until all hosts have been added to the list, and then it will present you the overview of the costs using the textviewer. Remember to save ('Save' in the Host Manager) the hosts when you've added or modified them.

THAT'S ALL FOLKS!

1.10 Supported Logfiles

Here follows a list of all currently supported logfiles:

```
@{ " TrapDoor           " link log_trapdoor }
@{ " Term call log      " link log_termcall }
@{ " Term action log    " link log_termact }
@{ " N-Comm             " link log_termcall }
@{ " Magicall           " link log_magicall }
```

```
@{ " Terminus          " link log_terminus }
```

Select one of the above items to view how such a logfile looks like, in case you don't know what type of logfile you have.

1.11 log_terminus

```
21-07-93 16:58:14 Session start
21-07-93 16:59:59 Connection at 14400bps to: SomeBBS @ 5485321
21-07-93 17:01:00 Carrier lost
21-07-93 20:49:59 Hangup modem
21-07-93 20:49:59 Session end
21-07-93 21:35:20 Session start
21-07-93 21:35:58 Connection at 14400bps to: Suncity @ 5489171
21-07-93 21:36:58 ZMODEM d/l opts: Binary - Overwrite
21-07-93 21:36:58 ZMODEM download: hdl:comm/xfer/pbill999.lha
21-07-93 21:37:02 Completed transfer - size: 44530, time: 00:00:04, cps: 1372
21-07-93 21:37:35 Hangup modem
21-07-93 21:37:35 Carrier lost
21-07-93 22:48:35 Phonebill LogScan
```

1.12 log_magicall

```
06/30/93 00:41:46 - MagiCall session started.
06/30/93 00:42:07 - Connected to: E! XS BBS.
06/30/93 00:43:30 - Disconnected.
06/30/93 00:50:55 - Connected to: The Cross.
06/30/93 00:55:16 - Disconnected.
06/30/93 00:55:44 - Connected to: Unknown Carrier.
06/30/93 00:59:23 - Disconnected.
06/30/93 01:00:03 - Connected to: The Cross.
06/30/93 01:04:45 - Disconnected.
06/30/93 01:05:14 - Connected to: AUGS BBS 1.
06/30/93 01:05:37 - Disconnected.
06/30/93 01:06:07 - Connected to: ANet Testbench.
06/30/93 01:08:53 - Disconnected.
06/30/93 01:11:37 - Connected to: The Cross.
06/30/93 01:13:54 - Uploaded file DH1:amanda.
06/30/93 01:14:43 - Disconnected.
06/30/93 01:14:47 - MagiCall session finished.
07/04/93 12:20:45 - PhoneBill LogScan.
```

1.13 log_termact

```
12-jul-93 21:41:02 Start of session (term 3.3 30.4.93).
12-jul-93 21:41:38 Connected to "TUE Dial-in" (040-435049).
12-jul-93 21:47:03 Initiate binary download.
12-jul-93 21:47:11 Initiate binary download.
12-jul-93 21:47:12 Receive file "TERM:/xfer/tinyclock.lha".
```

```
12-jul-93 21:47:40 Close file "SPHINX-O-HD:Comm/xfer/tinyclock.lha", 6512 bytes, ←
min. CPS 197, average CPS 646, max. CPS 3648.
12-jul-93 21:47:53 Initiate binary download.
12-jul-93 21:47:53 Receive file "TERM:/xfer/tinyclock2_0.lha".
12-jul-93 21:48:54 Close file "SPHINX-O-HD:Comm/xfer/tinyclock2_0.lha", 13799 ←
bytes, min. CPS 196, average CPS 450, max. CPS 3648.
12-jul-93 21:49:05 Hung up the line.
12-jul-93 21:49:10 PhoneBill LogScan.
12-jul-93 21:51:19 End of session.
12-jul-93 21:57:37 Start of session (term 3.3 30.4.93).
12-jul-93 22:24:44 Initiate binary upload.
12-jul-93 22:24:44 Send file "SPHINX-O-HD:Comm/xfer/RECENT".
12-jul-93 22:24:49 Close file "SPHINX-O-HD:Comm/xfer/RECENT".
12-jul-93 22:33:39 Initiate ASCII upload.
12-jul-93 22:33:39 Send file "Workbench:S/user-startup".
12-jul-93 22:33:40 Close file "Workbench:S/user-startup".
12-jul-93 22:46:59 Initiate binary upload.
12-jul-93 23:16:20 Hung up the line.
12-jul-93 23:16:23 End of session.
14-Jul-93 11:05:45 PhoneBill LogScan.
```

1.14 log_termcall

Amiga Workbench (05430-24097)

```
-----
Login:  Mon Jan 25 21:57:29 1993
Logout: Mon Jan 25 22:08:49 1993
Time online: 00:11:12
```

Mothership Con. (020-6892708)

```
-----
Login:  Tue Jan 26 21:37:13 1993
Logout: Tue Jan 26 21:38:49 1993
Time online: 00:01:36
```

BBS Waterland(1) (02990-40202)

```
-----
Login:  Wed Jan 27 21:10:40 1993
Logout: Wed Jan 27 21:15:41 1993
Time online: 00:05:01
```

Chat 14400 (5) (046-750624)

```
-----
Login:  Thu Jan 28 21:59:57 1993
Logout: Thu Jan 28 22:41:13 1993
Time online: 00:41:16
--- PhoneBill LogScan
```

1.15 TrapDoor

The trapdoor log file looks something like this. Please notice phonebills' signature at the end of the logfile. This signature is used as a mark to

remember what calls already have been scanned.

```
+ 11-Jul-93 12:05:10 TrapDoor 1.83 opened
+ 11-Jul-93 12:05:14 Calling 046-581998
~ 11-Jul-93 12:05:25 BUSY
+ 11-Jul-93 12:05:32 TrapDoor 1.83 closed

+ 11-Jul-93 12:05:55 TrapDoor 1.83 opened
+ 11-Jul-93 12:05:59 Calling 05430-24097
~ 11-Jul-93 12:06:29 CONNECT 14400/ARQ
: 11-Jul-93 12:06:34 Name: The Amiga Workbench (2:283/410.0)
: 11-Jul-93 12:06:34 AKA: 14:105/201.0 39:157/1.0 39:157/100.0 39:157/101.0 ←
    66:666/205.0 16:400/204.0 63:101/101.0 211:211/10282.0
: 11-Jul-93 12:06:34 Sysop: Robert Udo
: 11-Jul-93 12:06:34 Place: Winterswijk - Gelderland (31-5430-24097)
: 11-Jul-93 12:06:34 Flags: CM
: 11-Jul-93 12:06:34 Using: InterMail 2.22
: 11-Jul-93 12:06:34 Offer: Emsi FReqs ZedZap
| 11-Jul-93 12:06:37 Receiving 000c043c.pkt (4410 bytes)
| 11-Jul-93 12:06:40 Took 0:02, Cps: 1575, Efficiency: 109%
= 11-Jul-93 12:07:10 Session connect time 0:40
+ 11-Jul-93 12:07:14 TrapDoor 1.83 closed
+ 11-Jul-93 12:15:45 PhoneBill LogScan
```

1.16 Program history

The program changes are listed using the following bullets:

- + Addition
- Change
- ! Bugfix

Please select the version of wich you you want to see the changes:

```
@{ " Version 1.00           " link ver100 }
@{ " Version 1.07           " link ver107 }
@{ " Version 1.08           " link ver108 }
```

1.17 Version 1.08

Version 1.08 was released 1-Aug-1993:

- + Added Terminus support.

! Severe bugs were found in in Term, Magicall and NComm scanning (thanks to Benno Zuure, Henrik Gelius and Frank Petzold). I've rewritten all log scanning routines to avoid software failures when unknown log messages were encountered.

! The saved configuration files had the wrong version/revision tag. Also, Phonebill would disregard this tag and load any configuration

file. So if the configuration files need to be changed in the future, the old version of the program would load the new config files which would probably result in a software failure.

! Under some circumstances phonebill refused to remove a rate, although it wasn't in use.

1.18 Version 1.07

Version 1.07 was released 14-Jul-1993:

- Compiled on A4000 :-)
 - All configuration files now use the IFF format, and are stored in ENV: and ENVARC:.
 - The documentation is now in guide format.
 - Improved preferences: more options.
 - + Added requester that warns you on exit if the configuration has been modified.
 - + Keyboard shortcuts for most of the gadgets.
 - + Requester warning if <from> date is 'above' <to> date.
 - + At the beginning of the report you'll now see the time period.
 - + If no calls were found during scanning the report will state an error message. (In V1.00 an empty textfile would be displayed)
 - + Included built-in rates: German, French, Dutch, Swedish rates.
 - + Added commandline arguments. Try "Phonebill ?".
 - + Added menus to the main window.
 - + Added support for MagiCall logfile.
 - ! In the report produced by "List Calls" sometimes only the phonenumber would be displayed, although a name was provided in the hostmanager.
 - ! If Phonebill was running under a localized workbench, the default from-date ("Yesterday") and to-date ("Today") weren't accepted anymore.
 - ! Fixed some V39 problems: the busy pointer now appears in the same resolution as the normal mouse pointer, and some problem concerning V39 listviews is fixed too.
 - ! If you were using a bigger system font the rate exception editor would mess up. Also, if you de-zoomed the editor window you wouldn't see the exception anymore.
-

1.19 Version 1.00

Version 1.00 was released 6-Jun-1993:

- First public release.

1.20 Future improvements

- The possibility to create your own log scanner.
- Binary logfile maintenance.
- Localization.
- Support for other logfile formats, e.g. JrComm, X-Comm. Please send me some logfiles!
- More CLI Arguments.
- Phonenummer patterns so that Phonebill is able to add hosts automatically.

1.21 Registration

If you like this program, then please support the author by paying him a small fee of \$5 US, 10 DM or the equivalent amount of money in any other currency. You can send me a letter (see @{ " Contacting the author " link contact ↔ } for my complete address) containing:

- a note with your complete address (if you've got email please specify your email address too).
- \$5 US, 10 DM or the equivalent (or more) amount of money in any other currency.

1.22 Contacting the author

Send bug reports, logfiles, suggestions, comments, postcards, flames, contributions, etc. to:

- Snail-Mail: Raymond Penners
Berkenlaan 4
NL-6241 AZ Bunde (The Netherlands)
 - Internet: raymond@stack.urc.tue.nl
 - Fido: 2:283/410.15
 - AmigaNet: 39:157/101.15
 - NLA: 14:105/201.15
 - You may also find me (nickname "Sphinx") on IRC in channel #amiga.
-

1.23 Program Updates

Whenever a new release of Phonebill becomes available it will be uploaded to:

The Amiga Workbench (SysOp Robert Udo)
+31-(0)5430-24097 (ZyXEL+ 19K2, 24 hours online)

FidoNet: 2:283/410.0
AmigaNet: 39:157/101.0
NLA: 14:105/2.0

I will also try to upload it to the aminet as soon as possible.

1.24 Miscellaneous

Special thanks to the following people:

- Richard Schiffelers : for being a temporarily P.S.C. :-), replying all the mail, and the 2.04 roms which speed up the development alot! :-)
- Maurice Lahaye : for calling like a mad man, so that I had some logfiles to test my program on.
- Matthias Scheler : for supplying me with the German callrates.
- Philippe Duchein : for the French callrates. (My condolences, the French callrates are really horrible :)
- Johan Billing : for the Swedish callrates
- Henrik Gelius : for sending me information about the MagiCall logfile.

Some quick greetings to:

- Erwin Penders, Mel Nijsten, Maurice Penners, Walter Konrad, Frans Bouma (Not at ericson anymore? What's your e-mail adr.?), Robert Udo, Bart Cremers, Arnaud Gouder de Beauregard, Walter Dees, Rino Roufs, Rex (the ONE and ONLY SPHINX-O-Dog), Marcel Meuldijk, Edwin Boesten, Marcel Franquinet, Claudio Zani, ...

Furthermore I would like to say hello to all 'dudes' IRC :

- Ikke, Bilbol, Savage, Dense, Milano, Pjotr, ALFred, Mnemo, Xed, SteveVai, Zop, Janne, Outland, Mjoelnir, Juggi, Goldrnr, Lundman, Shocker, Mag, VAG, Herb, Merbot, Mama, and everyone I know but forgot to mention here!

These are all listed in ANALPHABETIC :-) order! I am sorry if I forgot someone (which I'm sure I have) ...