

Hydracom

MaXiM

COLLABORATORS

	<i>TITLE :</i> Hydracom		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	MaXiM	February 12, 2023	

REVISION HISTORY

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Chapter 1

Hydracom

1.1 Hydracom MUI 1.11

HYDRACOM MUI 1.11

```
Disclaimer~~~~~
  Legal stuff

Introduction~~
  What is it?

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Author~~~~~
  Who did it?

Future~~~~~
  Where do you want to be tomorrow ?! :)

Greetinx~~~~~
  Thanx to ...
```

1.2 Disclaimer

Disclaimer

This software is provided "as-is" and the author accepts no responsibility for damage and/or loss of data/equipment resulting from the use of this software.

1.3 Introduction

INTRODUCTION

Hydracom MUI is an implementation of the Hydracom-Transfer-Protocol. You don't know Hydra?? Some Features:

- Bidirectional transfer with maximum speed
- You can chat while transferring

Some special features of Hydracom MUI:

- You can add files to your upload-list while uploading
- The transfer-window is a very nice looking MUI-window
- The transfer-window is an appwindow in which you can drag the files you want to upload.

It's quite impressive when you transfer with about 7800 cps in both directions (ISDN makes it possible) and chat at the same time with your Sysop.

1.4 Installation

INSTALLATION

OK, you want to install this Masterpiece ? OK, here we go:

Copy 'hydracom' to the place you want to have it.

Then configure your Terminal-Program:

Term 4.x or higher:

In the Term-Documentation there's an example how to use hydracom in Term. For those who hate 'RTFM' :

- Start Term
 - Go into the 'Settings' Menu and choose 'Transfer-Protocols'
-

- A window pops up. Choose 'binary'
- Choose 'external program' for both Sending & Receiving
- Enter something like this in the Send-String (->


```
CONFIGURATION
    ):

    run c:hydracom device %p speed %b line %c rec %> pub %s nol size
    80/234/655/320 send %m
```
- Enter something like this in the Receiving-String (->


```
CONFIGURATION
    ):

    run c:hydracom device %p speed %b line %c rec %> pub %s nol size
    80/234/655/320 get
```
- Enter '^XcA\f5\a3^Xa' at the receiving-signature

That's it! Save the Settings. Now Hydracom is automatically started when the BBS starts to transfer.

NCOMM 3.x :

I've included a little script for NCOMM in the 'scripts'-directory. Edit it

```
(
    CONFIG
    ) and define a Macro with:

    {script}Work:dfue/NCOMM/Scripts/Hydra.script
```

Press the Hotkey, when you want to transfer.

Terminus:

I added a little Script by D-SIYA/THE VIKINGS '94 to this archive. Edit this

```
(
    CONFIG
    ) script. Then make a Macro on any Hotkey you like and insert this ←
    :
    !&HYDRA.SCP Now when you want to Transfer just press the Hotkey!
```

1.5 Configuration

CONFIGURATION

Look into the Original-Doc for further information.

The Template for Hydracom MUI is:

Hydracom [options] <command>

The three commands are:

SEND <files> Hydracom automatically starts with sending <files> when started.
 <files> must be divided by spaces (i.e. send dl:hello.txt dl:toll. ←
 txt)
 If you don't specify any files, you must be sure that you set
the 'requester'-option or that you have added files to Term's
UL-List

GET [<path>[<name>]] Only get file(s), if filename is specified, get
 first file (name override) and skip all others

TERM Small terminal + send & AutoStart capability

OPTIONS:

port N Comport (default: 0)

speed N Com-speed (default current speed)

device <name> Name of serial device driver to use

line N Actual line speed (use 'speed' to set comport)

parity Set 7E1 instead of 8N1 (forces option highbit)

dropdtr Drop DTR if carrier is lost

nocarrier Disable carrier detection

noinit Don't init/deinit FOSSIL driver

handshake <flg> Enable soft (XON/XOFF), hard (RTS/CTS) or both

log <file> Logfile to log the goings on

level N Level of logging, 0=max, 6=min (default=2)

result <file> Log transfer info to DSZ compatible logfile

noresume Disable receive bad-transfer recovery

nostamp Don't stamp with original but current filetime

receive <path> Path to store any received files

upload <path> Path to use in the file-requester

nobell Disable bell noise in Hydra session chat feature

pubscreen <name>Open Windows on any Pubscreen

nologwin Don't open Log Window

noxwin Don't open Xfer Window

size x/y/w/h Set the Region the windows will use

request Open Upload-Requester before starting Transfer

buffer N Set size of Read/Write-Buffer. default: N=16384

1.6 Changes

[Pre-History deleted]

1.7 (Released: 27.4.95)

25.4.95:

(ADDED) -Option 'NoLogWin'~added: The (useless?) LogWindow will not be opened

(BETTER) -The German 'öäüß' can now be used in the chat

(ADDED) -Option 'NoXWin' added: The Xfer-Window will not be opened

(ADDED) -Added RAmiga+X to Open/Close Xfer-Window

(ADDED) -Option 'Size x/y/w/h' added: This sets the Region on the Screen that will be used by the Hydracom Windows (except the x-fer Window)

(BETTER) -At Chat-Start the chat-color will be reset

(CHANGE) -Some texts changed

26.4.95:

(BETTER) -ReActivates the Local-Window after opening the x-fer Window

(CHANGE) -The current upload-file will be removed at once in the upload-list, not after uploaded

(ADDED) -Del-Button to delete the activated file in the upload-list

(ADDED) -X-fer Window has now a Close-Button to Close it (not to quit Hydra!!)

(ADDED) -Add-Button to add files to the upload-list (also WHILE uploading!!)

(BETTER) -The ASL-Filerequester runs now asynchronous

1.8 (Released: 28.4.95)

27.4.95:

(BUGFIX) -Shit bug fixed! Could crash everytime Hydracom wants to write to STDOUT.

28.4.95:

(ADDED) -Option 'Upload <path>'. <path> is the path to be used in the file-requester

(BUGFIX) -When the Option 'nologwin' was defined, hydracom supressed Messages

(FASTER) -Terminal is a little bit faster

(BUGFIX) -The Logwindow was opened under the RemoteWindow

1.9 (Released: 18.5.95)

29.4.95:

(FASTER) -Made Terminal a little bit faster (but still too slow)

03.5.95:

(FASTER) -Optimized the Carrier-check-routine a bit

(BUGFIX) -When Resuming, the CPS were calculated incorrect

(ADDED) -'Resuming from'~in uploading

(BUGFIX) -Fixed Screenlocking- problem (I hope)

04.5.95:

(BUGFIX) -When the Public-Screen wasn't found, it opened an own Screen
Now it gets the Default-Public-Screen.

05.5.95:

(BUGFIX) -Sometimes Hydra forgot to Close its Screen

(BETTER) -Download-Routine now uses a 16KB Write-Buffer

11.5.95:

(BUGFIX) -Hydracom now Handles 'receive' paths without ending '/'

(BUGFIX) -Hydracom will no more add unexisting files to the upload-list

(BUGFIX) -Hydracon won't quit when Upload-Requester is open

(BUGFIX) -The Upload-Requester did not work with ASL
(I didn't recognize it 'cause I'm using RTPatch. THX to VISION!)

12.5.95:

(BETTER) -Some Hydra-file-functions replaced by dos.library-Calls

(??????) -Compiled 68000 Version

(BETTER) -Now hydracom can also upload in GET-Mode if you're using TERM 4.x
and you have added files to the TERM-Upload-List.

(BUGFIX) -When aborting a transfer, the current Upload-File will be pushed
back into the UL-List

1.10 (Not released)

02.06.95:

(ADDED) -X-Fer Window is now an AppWindow: Dropped files will be added
to the upload-list

(ADDED) -'requester'-Option: An Upload-Requester will be opened before
starting the Transfer

1.11 (Released 23.12.95)

22.12.95 (long time nothing coded)

(FASTER) -Used Olaf Barthel's Time() functions to speedup a little bit

(ADDED) -'Buffer N'~Option. Sets the size of the Read/Write-Buffer

(??????) -Only 68020-only Version compiled

(BETTER) -MUI-Window or Console-Window is no longer activated on opening

(ADDED) -Balance-Button between DL and UL Group

(??????) -MUI 3.1 required

1.7 Future

THE FUTURE OF HYDRACOM MUI

In the future Hydracom MUI will be completely made with MUI including the chat window.

If you have any suggestions, contact the author

.

1.8 Greetinx

GREETINGS

Some greetinx must fly to:

Fellow

Flash

C.B.

Mario Kemper For all the aminet-stuff and more :)

Matthias Scheler For a lot of things

Olaf Barthel For writing Term and doing the amiga-port of hydracom

Stefan Stuntz For writing the wonderful MUI

Edd Dumbill For writing Heddley

1.9 author

AUTHOR

MaXiM@the-twin.domino.de

nothing more to say :)

1.10 Requirements

REQUIREMENTS

You need at least:

- An Amiga :)
- An 68020
- MUI 3.1
- Kickstart 2.0

Recommended:

- An 68030 (especially for High-Speed-Modems or ISDN)
- Kickstart 3.1
- A LARGE Harddisk :))

1.11 Using

HOW TO USE HYDRACOM

First of all Install Hydracom.

OK, you've installed hydracom correctly and you have dialed into a BBS to test it. First, tell the BBS that you want to use Hydra-Protocol instead of ZModem. If you've done it, flag some file in the BBS that you want to download and do the following:

Term 4.x:

If you haven't set the 'requester'~cli-argument for hydracomput the files that you want to upload into Term's Upload-List. Then tell the BBS that you want to download. Hydracom will grab the files from Term's Upload-List and will copy them into its own upload-list.

Other terminal-programs :

Set the 'requester' cli-argument for hydracom !! Start Hydracom when you want to transfer. A file requester pops up. Specify the files that you want to upload and press OK.
