

LHA2LZX

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Contents

1	LHA2LZX	1
1.1	Homepage of LHA2LZX guide	1
1.2	The purpose of this utility	1
1.3	what you need to run LHA2LZX	1
1.4	how to install LHA2LZX	2
1.5	how to use LHA2LZX	2
1.6	options of LHA2LZX	3
1.7	what changed so far	4
1.8	the author of LHA2LZX	4

Chapter 1

LHA2LZX

1.1 Homepage of LHA2LZX guide

LHA2LZX

(Version 1.3)

[About](#)

[Requirements](#)

[Installation](#)

[Usage](#)

[Options](#)

[History](#)

[Author](#)

1.2 The purpose of this utility

LHA2LZX is an utility to convert files compressed with LHA/LZH into files compressed with LZX.

I know, there are other utilities on Aminet doing this job, but I wasn't satisfied with them. Just take a look at this script. It offers you some nice additional options, other converters don't have ... check it out!

Tell [me](#), what you think about it!

1.3 what you need to run LHA2LZX

Because it's an ARexx program, you need REXXMAST running in the background.

(E.g. insert rexxmast >NIL: into S:User-Startup)

You want to convert LHA files, so you need LHA to dearchive (/test).

(E.g. LHA 1.38 on Aminet)

Yes, you already guessed it! LZX is also needed.

(E.g. LZX 1.2 on Aminet)

LHA2LZX optionally offers you to test the files with VirusZ (Copyright by Georg Hörmann). You can get VirusZ from ... Aminet! (Where else!)

And of course, you need the command "say" (incl. speech synthesizer files like translator.library and narrator.device) if you want to use the 'speech' option.

1.4 how to install LHA2LZX

Just copy LHA2LZX.rexx to REXX: so that ARexx automatically finds it.

Otherwise you have to write the full path where LHA2LZX.rexx is located when you call it with rx.

LHA2LZX assumes that the commands LHA and LZX are in your search path (e.g. C:).

1.5 how to use LHA2LZX

Call LHA2LZX with

rx LHA2LZX [options] <LHA archive with full path> <destination path>

e.g.

rx LHA2LZX Work:Aminet/in/LHA2LZX.lha Work:Aminet/out/

LHA2LZX will dearchive LHA2LZX.lha into the temporary directory (default is RAM:LHA2LZX) and archive all the files in this directory to the new file LHA2LZX.lzx which will be placed in the destination directory

Work:Aminet/out/. Afterwards, the temporary directory will be deleted, unless you don't want this. (See [options](#).)

I use LHA2LZX with DOpus (4.12), so that I just have to select the LHA archive and press the defined button with LHA2LZX. Here is my button entry:
AmigaDOS RX LHA2LZX -t -f -n +vMISC:VIRUS/VirusZ/ +zTemp:t/ {f} {d}

The following flags are set:

Do all files

No filename quote

Output Window

Rescan destination

Attention!

If the archive contains a wildstar (*) as a (part of a) filename in the main directory (highest hierarchy in the archive), LZX has problems!

Well, LHA also has a problem with it (dearchiving), but this can be solved by explicitly stating the destination path. I tried out several settings with LZX and it only works if the * file is NOT located in the highest

hierarchy. A solution would be to state an explicit destination path (like LHA), but that would change the contents of the archive in a way, that all the files would be stored in this additional directory structure.

I don't think that this occurs often (in fact I never had such an archive, so far) and it's also a very bad thing to use wildcards in a filename, so that it's small wonder that it doesn't work.

VirusZ has problems no matter where the * occurs! The output stops but can be continued by pressing [RETURN] several times. VirusZ seems to continue without failure, but LZX behaves undefined afterwards. To cut a long story short: if VirusZ stops at an archive, list this archive as usual with LHA and look for a * in the archive.

Thanks to Uwe Mahnke for reporting this 'bug'. :-)

1.6 options of LHA2LZX

You can leave out the options and just convert LHA files to LZX without any checkings.

Otherwise, the following options can be specified:

-t Tests LHA archive before dearchiving.

If testing wasn't fully successful, LHA2LZX exits with an error message and adds the filenote "FAILED ..." to the archive.

Tests LZX archive after archiving.

-f Adding filenotes to archives. (Only active with -t option.)

The tested archive will get the filenote "archive tested".

-n This switch prevents LHA2LZX from deleting the temporary directory <TempPath>LHA2LZX. With this option set, I 'dearchive' my LHA files from Aminet with the nice effect that it's repacked with LZX. :-)

-s Enable Amiga talking. (This needs the say-command in your search path)

+v Test all files of the LHA archive for viruses with VirusZ.

You have to add the full path name of VirusZ. LHA2LZX will search the file "VirusZ" in this path.

+z Temporary path where LHA2LZX is storing the dearchived files. If you leave out this option, the default path is set to "RAM:". For big LHA files, it may be better to change the temporary path to a harddisc device, but that depends on your amount of free ram.

Example:

```
rx LHA2LZX -t -f -n +vMISC:VirusZ/ +zTemp:t/ Work:Aminet/Bla.lha Ram:T/
```

will test the LHA archive Bla.lha in the directory Work:Aminet/, decrunch it to the temporary directory Temp:t/LHA2LZX/, test all files with VirusZ

which is located in MISC:VirusZ/, crunch all files to the new archive Bla.lzx located in RAM:T/, test the LZX archive, add filenotes "archive tested" to Bla.lha and Bla.lzx and won't delete the temporary directory. So, after (successful) conversion, there are three changes:

1. Bla.lha has the filenote "archive tested"
2. There's a new LZX archive Bla.lzx in RAM:T/ with the same filenote
3. All files of Bla.lha are located unpacked in Temp:t/LHA2LZX/

1.7 what changed so far ...

Version Change

- 1.3 tilde (~) in the archive name will be converted to underscore (_), because LZX has trouble with it
- 1.2 added option "+z" (temporary path)
changed option "-v" to "+v"; it also doesn't have to be the last option anymore
added check for successful LZX archiving
LHA2LZX.rexx now has 5738 Bytes
- 1.1 added option "-s" (Amiga is talking)
script optimized -> a little faster
- 1.0 first public release

1.8 the author of LHA2LZX

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