NAME
>   7zr – A file archiver with high compression ratio format

SYNOPSIS
>   **7zr <command>** [**<switches>**...] **<archive_name>** [**<file_names>**...] [**<@listfiles>**...]

DESCRIPTION
>   7-Zip is a file archiver supporting 7z (that implements LZMA compression algorithm featuring very high compression ratio), LZMA2, XZ, ZIP, Zip64, CAB, RAR (if the non-free p7zip-rar package is installed), ARJ, GZIP, BZIP2, TAR, CPIO, RPM, ISO, most filesystem images and DEB formats. Compression ratio in the new 7z format is 30-50% better than ratio in ZIP format.
>
>   **7zr** is a stand-alone executable. **7zr** is a "light-version" of **7za**(1). **7zr** handles password-less archives in the 7z, LZMA2, and XZ formats only.

COMMANDS
> | | |
> |---|---|
> | **a** | Add files to archive |
> | **b** | Benchmark |
> | **d** | Delete files from archive |
> | **e** | Extract files from archive (without using directory names) |
> | **h** | Calculate hash values for files |
> | **i** | Show information about supported formats |
> | **l** | List contents of archive |
> | **rn** | Rename files in archive |
> | **t** | Test integrity of archive |
> | **u** | Update files to archive |
> | **x** | eXtract files with full paths |

SWITCHES
>   **−−**   Stop switches parsing
>
>   **−ai[r[-|0]]{@listfile|!wildcard}**
>   >   Include archives
>
>   **−ax[r[-|0]]{@listfile|!wildcard}**
>   >   Exclude archives
>
>   **−ao{a|s|t|u}**
>   >   Set Overwrite mode
>
>   **−an**   Disable archive_name field
>
>   **-bb[0-3]**
>   >   Set output log level
>
>   **−bd**   Disable progress indicator
>
>   **−bs{o|e|p}{0|1|2}**
>   >   Set output stream for output/error/progress line
>
>   **−bt**   Show execution time statistics
>
>   **−i[r[−|0]]{@listfile|!wildcard}**
>   >   Include filenames
>
>   **−m{Parameters}**
>   >   Set   Compression   Method   (see   /usr/share/doc/p7zip/DOC/MANUAL/cmd-line/switches/method.htm from the p7zip-full package for a list of methods)

−o{Directory}
> Set Output directory

−r[−|0]   Recurse subdirectories (CAUTION: this flag does not do what you think, avoid using it)

−sa{a|e|s}
> Set archive name mode

−scc{UTF−8|WIN|DOS}
> Set charset for for console input/output

−scs{UTF−8|UTF−16LE|UTF−16BE|WIN|DOS|{id}}
> Set charset for list files

−scrc[CRC32|CRC64|SHA1|SHA256|*]
> Set hash function for x, e, h commands

−sdel   Delete files after compression

−seml[.]
> Send archive by email

−sfx[{name}]
> Create SFX archive

−si[{name}]
> Read data from stdin (e.g. tar cf − directory | 7zr a −si directory.tar.7z)

−slp   Set Large Pages mode

−slt   Show technical information for l (List) command

−snh   Store hard links as links

−snl   Store symbolic links as links

−sni   Store NT security information

−sns[−]
> Store NTFS alternate streams

−sfx[{name}]
> Create SFX archive

−so   Write data to stdout (e.g. 7zr x −so directory.tar.7z | tar xf −)

−spd   Disable wildcard matching for file names

−spe   Eliminate duplication of root folder for extract command

−spf   Use fully qualified file paths

−ssc[−]   Set sensitive case mode

−ssw   Compress shared files

−stl   Set archive timestamp from the most recently modified file

−stm{HexMask}
> Set CPU thread affinity mask (hexadecimal number)

−stx{Type}
> Exclude archive type

−t{Type}
> Set type of archive

−u[-][p#][q#][r#][x#][y#][z#][!newArchiveName]
> Update options

−v{Size}[b|k|m|g]
>   Create volumes

−w[path]
>   Set working directory. Empty path means a temporary directory

−x[r[−|0]]]{@listfile|!wildcard}
>   Exclude filenames

−y   Assume Yes on all queries

DIAGNOSTICS

>   7-Zip returns the following exit codes:

> | | |
> | --- | --- |
> | 0 | Normal (no errors or warnings detected) |
> | 1 | Warning (Non fatal error(s)). For example, some files cannot be read during compressing, so they were not compressed |
> | 2 | Fatal error |
> | 7 | Bad command line parameters |
> | 8 | Not enough memory for operation |
> | 255 | User stopped the process with control-C (or similar) |

Backup and limitations

>   DO NOT USE the 7-zip format for backup purpose on Linux/Unix because :
>   − 7-zip does not store the owner/group of the file.

>   On Linux/Unix, in order to backup directories you must use tar :
>   − to backup a directory : tar cf − directory | 7zr a −si directory.tar.7z
>   − to restore your backup : 7zr x −so directory.tar.7z | tar xf −

>   If you want to send files and directories (not the owner of file) to others Unix/MacOS/Windows users, you can use the 7-zip format.

>   example : 7zr a directory.7z directory

>   Do not use "−r" because this flag does not do what you think.

>   Do not use directory/* because of ".*" files (example : "directory/*" does not match "directory/.profile")

EXAMPLE 1

7zr a −t7z −m0=lzma −mx=9 −mfb=64 −md=32m −ms=on archive.7z dir1
>   adds all files from directory "dir1" to archive archive.7z using "ultra settings"

−t7z   7z archive

−m0=lzma
>   lzma method

−mx=9   level of compression = 9 (Ultra)

−mfb=64
>   number of fast bytes for LZMA = 64

−md=32m
>   dictionary size = 32 megabytes

−ms=on
>   solid archive = on

EXAMPLE 2

      7zr a −sfx archive.exe dir1

            add all files from directory "dir1" to SFX archive archive.exe (Remark : SFX archive MUST end with ".exe")

SEE ALSO

      7za(1), **7z**(1), **p7zip**(1), **bzip2**(1), **gzip**(1), **zip(1),**

HTML Documentation

      /usr/share/doc/p7zip/DOC/MANUAL/start.htm (avabilable when the p7zip-full package is installed)

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