

# Cleanup Invalid MP3 Files

1. Install mp3check
  1. Probably already available in your distro. Example: `sudo apt install mp3check`
2. Scan a directory of MP3 files with: `mp3check -erBR3 "SOME_DIR"`
  1. This only scans files and reports issues, it does not make any changes
  2. This is recursive. Remove the lowercase `-r` to not dive into subdirectories
  3. `-B` causes it to allow variable bitrate files. If your player doesn't support VBR, remove this flag to identify files that are VBR. Note: mp3check cannot convert VBR to CBR, you need to re-encode for that.
3. Fix files with command: `mp3check -r3 --cut-junk-start --cut-junk-end "SOME_DIR"`
  1. This will write changes to the files stripping out the invalid chunks. The file modified time will be updated

## Notes:

- The recursive option does not appear to work properly and only seems to go 1 directory deep
- The Dirname handling seems unusual. You may need to use a `/*` at the end for it to scan the entire dir

## Example cleanup output:

```
... What You Believe (asia Deluxe Edition)-WEB-2014/13-chvrches-strong_hand.mp3:
cut-junk-start: removing first 31754 bytes, retrying
cut-junk-start: no junk found
cut-junk-end: valid id3 tag trailer v1.1 found, protecting it
cut-junk-end: removing last 99 bytes, retrying
cut-junk-end: tag successfully restored
cut-junk-start: no junk found
cut-junk-end: valid id3 tag trailer v1.1 found, protecting it
cut-junk-end: no junk found
```

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