

Re: MP3 Playlist and Sync

Source: <http://linux.derkeiler.com/Newsgroups/alt.linux/2007-10/msg00009.html>

- *From:* alishadevotchka@xxxxxxxxxx
 - *Date:* Thu, 04 Oct 2007 02:27:47 -0700
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On Oct 4, 1:03 am, jellybean stonerfish <stonerf...@xxxxxxxxxxxxxxxx> wrote:

On Wed, 03 Oct 2007 21:26:44 -0700, alishadevotchka wrote:

Oh, I really don't like any of this!!! I use to have this SI Player (cheap chinese USB MP3 player). These used to have this folder browser features.. I would turned on my mp3, and browse my folders... Pretty cool.. I really wish I can get something like this with AA or AAA battery + 2GB or 3 GB.

If anyone know any decent mp3 player of this sort let me know...

For about 40 bucks, you can get a 1gb Zen from Creative. It only plays wma and mp3, but allows simple folder access. Works on linux. I think it plays the songs in the order of time. *Oldest file first* I haven't bothered to download the software and try it though wine. If I want to move the play order around, I think I need to change the modification time. Still experimenting, as I have only had it for a day. I was happy when I plugged it in and had instant access to it as a drive. It is a very cheap and simple device, with rechargeable battery. USB.

1Gb is bit too small for me ---- I want something around 2 -4 Gig. My Audio books' collection goes about 620MB (for one Book!) I know I can reduce it from 320 bit to 64bit -- but too much work :-)

You see my older SI mp3 player was something like this. I plug into USB. I created folders Audio Book -- Harry Potter (files Chapter 01 - 20).. That's it. I would go into browse root and than Audio Book That's it! Chinese SI Player are really good when it comes to simplicity.

I will give another example of what I had go through to listen to following copy left audio book

<http://librivox.org/the-road-to-oz-by-l-frank-baum/> it's about 137 MB.

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I decided to play them in RCA Lyra Pearl — a nice player, and very nice sound. I run this player on AAA recharable battery on 4 days, yes four days on 3 hours use. I normally use it as a data storage.

Problem with this player?

This is what I end up with

1 – Chapter 1: The Way to Butterfield – 00:20:14

2 – Amazon Rain forest

3 – L5 Où Sont Passés Les Hommes?

It's insane!!!

Anyway, after googling I found following script which solve the probelm — files must be name as "01 – Chapter – ABC" not "Chapter 01 — ABC".

```
-----
#!/usr/bin/perl
# Puts subdirectory items into a decent filesystem order.
# Useful only for crazy applications that use the filesystem order at
all!

@ARGV = grep length($_), @ARGV;
@ARGV = '.' unless @ARGV;

#use SMB::UniqueProc qw(sortdir);

use strict;
use warnings;
use constant DEBUG => 1;
my $temp = $ENV{'TEMP'}
|| do { (grep -e $_, '/tmp', 'c:/windows/temp', '/windows/temp')
[0];}
|| die "where's temp?"
;
open LOG, ">$temp/sortdir.log" or die $!;

my $count = 0;
foreach my $dir (@ARGV) { sortdir($dir) }
exit;

sub sortdir {
my $dir = $_[0];
opendir(DIR, $dir) or die "Can't opendir $dir: $!";
my @in =
```

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```
sort { lc($a) cmp lc($b) }
grep { $_ ne '.' and $_ ne '..' }
readdir(DIR)
;
closedir(DIR);
DEBUG > 3 and print map(" $_\n", @in, "");
my $rando = 'temp_'.rando();

mkdir "$dir../$rando" or die "Can't mkdir $dir../$rando: $!";
if(-e "$dir/$rando") {
  rmdir "$dir../$rando" or die "I can't rmdir $rando!";
  die "I'm in a crazy place!";
}

foreach my $f (map "$dir/$_", @in) { sortdir($f) if -d $f } #
Recurse!

{
  my( @undo, $from, $to );
  foreach my $f (@in) {
    my($from, $to) = ("$dir/$f", "$dir../$rando/$f");
    print LOG "$from\n\t$to\n";
    DEBUG > 2 and print "$from\n\t$to\n";
    if(rename $from, $to) {
      push @undo, $to, $from;
      ++$count;
    } else {
      print LOG "Can't rename $from to $to : $!\n";
      warn "Can't rename $from to $to : $!\n";
    }
  }
  # now undo it all
  while( ($from, $to) = splice(@undo, 0, 2) ) {
    if(rename $from, $to) {
      # As planned.
    } else {
      print LOG "Can't back-rename $from to $to : $!\n";
      warn "Can't back-rename $from to $to : $!\n";
    }
  }
  print "$count items moved as of $dir\n";

  rmdir "$dir../$rando" or do {
    print LOG "I can't rmdir $rando: $!\n";
    warn "I can't rmdir $rando: $!\n";
  };

  return;
}
```

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```
my %used;
sub rando {
my $x;
do { $x = join " ", map sprintf('%04x', rand(0x10000)), 0 .. 3; }
while exists $used{$x};
$used{$x} = undef;
#print $x;
return $x;
}
```

__END__

save the file as "sortdir" in /usr/bin/

chmod -R a+rwX /media/PEARL/Audio; sortdir /media/PEARL/Audio

I shouldn't have to go through this hell...

This what I want in a mp3 players;

- Allows me to browse folders,
- Able to play from folder & subfolder of my choice!
- Plays MP3 in alphabetical order!
- Able to play.m3u list + play them as I set them up in xmms (some mp3s don't do this!)
- Runs on AA or AAA battery.
- Can be used as USB drive
- Exanpdable with SD cards, or Micro SD

Oh, last but no least -- must be Linux friendly :-)

PS: Guy who created this script

<http://forum.ecoustics.com/bbs/messages/1/17072.html>

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