

# Readme of mpd add-on 2.2.1

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## Abstract

We can use mpd with mpc as a jukebox on iLiad. This is an add-on for Adam B.'s port. It adds some nice features like volume control, playlist control, seeking or single track repeat mode. You can find the latest version of Jukebox in this [MR Thread](#).

## Contents

<b>1</b>	<b>Why this add-on?</b>	<b>2</b>
<b>2</b>	<b>Installation</b>	<b>2</b>
<b>3</b>	<b>Usage</b>	<b>2</b>
<b>4</b>	<b>Changelog</b>	<b>3</b>
4.1	v2.2.1 . . . . .	3
4.2	v2.2.beta . . . . .	4
4.3	v2.1.1 . . . . .	4
4.4	v2.1 . . . . .	5
4.5	v2.0 . . . . .	5
4.6	v1.0 . . . . .	5
<b>5</b>	<b>Known Bugs</b>	<b>6</b>

# 1 Why this add-on?

I tweaked mpd's config file & changed or added some shell scripts. This tiny or more comprehensive mods made my life more easier, because they added features which were missing in Adam B.'s release. Maybe you like it, too. The iLiad is *not* a perfect mp3-player but imho a very cool e-book reader with mp3/ogg jukebox.

## 2 Installation

- You need an installed [Shell Access Package](#). Please visit the [iLiad Software Wiki](#), if you don't know what this is all about.
  - You can install Jukebox on main memory/CF/MMC/SD/USB-Stick. Or you can use a memory card in USB-card-reader [e.g. 2 GB SD].
1. Copy the directories "mp3", "mpd\_install", & "Readme" from zip-file to a directory of your choice on choosen memory card.
  2. Copy your mp3/ogg files to the folder "mp3" on your memory card. If you want to use .m3u playlists, please copy them to the mp3 dir, too.
  3. Insert memory card in iLiad. Search for "Jukebox 2.2 Installation"->"Click on me to install Jukebox." in Contentlister.
  4. You can delete the entry "Jukebox is installed".

## 3 Usage

- You can use Jukebox on several memory cards, each memory card keeps it's own music files, status, settings, & playlists.

- All features of this jukebox are enabled and disabled by entries in Contentlister. The easiest way to handle reading & listening music is using of "Recent Documents".
- Search for "Jukebox"-"Click on me to jump to Jukebox directory" in Contentlister.
- Click on "Start 1st Playback HERE" to start playback. This creates the mpd database & loads all found songs as playlist.
- You can use the "Playlist Control" to load or generate playlists.
- You can use "simple .m3u" files. Please put them in the "mp3" dir. A sample .m3u playlist is included in this dir for your reference. You can load these playlists in jukebox's "Playlist Control" under "Load external .m3u Files". A sample .m3u file:

```
name of a directory in mp3 folder/song 1.mp3
...
dir xyz/song xyz.mp3
```

- You can turn off your iLiad during playback, in the next reading session you can click on "Continue Playback" to load last status.

## 4 Changelog

### 4.1 v2.2.1

1. optimization of shell scripts:
  - I removed the & *bug*.
  - I deactivated forgotten bug logging.
  - Searching for metadata in database does a shell script function: better overall view for me, easier to patch.
2. added "Contentlister Playlist of current Playlist", you can use this to navigate through running playlist.

## 4.2 v2.2.beta

Before uploading this version I changed the version number from 2.2 to 2.2.beta because of a *bug*: Contentlister doesn't show correct entries when & is included in metadata database.

I added features that a jukebox should offer but were missing in previous versions. The new playlist control is a cool thing. If you want to have "click on a song to skip to that position in playlist" like in previous versions, please let me know.

1. I have added more features of mpc:

- Playlist Control: You can load external .m3u playlists created with your favorite software music player, & generate playlists by searching for metadata in mpd's database (artist, album, genre, date).
- crossfading
- seeking

2. Modifications of installation:

- Jukebox is now path independent. You can install it anywhere you want.
- Installation script copies mpc to /usr/bin/mpc. If you use mrxvt, you can control jukebox in any path e.g. mpc next for play next song.
- installation script deletes old "mpd" & "Music" directories. -> less user interaction is needed.

3. "Terminate mpd" button - this kills the mpd process.

4. I have changed the status message: new 3rd line with information about status of volume, shuffle, & repeat.

5. Contentlister Link to "iLiad Settings" under "Other Controls"

## 4.3 v2.1.1

I removed a great bug: installation routine didn't work on CF & MMC. The crux of the matter was `scriptdir='/usr/bin/`

dirname \$0 `on CF & MMC starts with /media/, but on USB with /mnt/. The sed command in shell script was not written for /media/. Ouch!

```
/mnt # ls -l |grep media
lrwxrwxrwx 1 root root 11 Jun 1 13:16 card -> /media/card
lrwxrwxrwx 1 root root 9 Jun 1 13:16 cf -> /media/cf
lrwxrwxrwx 1 root root 10 Jun 1 13:16 net -> /media/net
lrwxrwxrwx 1 root root 10 Jun 1 13:16 ram -> /media/ram
/mnt #
```

## 4.4 v2.1

I wanted to simplify installation of jukebox. Therefore Adam B.'s mpd package is included, installation routine is added. Gzipped tar archives help to reduce size & number of files. User needs to download only one file & can use it for all memory cards which iLiad can read.

## 4.5 v2.0

1. Tweaking mpd's config file was easy but result looks like magic.
  - mpd saves status when it terminates, therefore scripts can load status of last playback.
  - volume control ;-)
2. scripts use more features of mpc
  - single track repeat mode
  - shuffle playlist
  - repeat playlist
3. removed the scripts "link buttons to Recent Document" & "Link Music Box dir to Buttons". They were not compatible with os 2.10.

## 4.6 v1.0

1. Reordered script entries in Contentlister

2. new covers, manifest.xml
3. "Update Playlist" script starts playback
4. now 2 "Update Playlist" Scripts: w/ and w/o Contentlister Playlist
5. Combined pause/play button
6. "Update Playlist", "Previous Song", "Next Song", "Pause/Resume" update the Status message
7. added scripts "Symbolic Link to the 4 Hardware Buttons"
8. removed 2 bugs of Contentlister Playlist:
  - no-cover bug [manifest.xml likes only relative cover image path]
  - wrong order of entries [1,10,11,...,2]

## 5 Known Bugs

- Playback stops for a short moment at some times: when you switch page in pdf viewer etc.

Feedback, comments are welcome.

We need a new "Link Recent Documents to Hardware Button" script [er\_registry.txt needs a tweak. Uhhh!]. I will add this later.

*Have fun with your little iLiad, yokos*