How to setup MusicBox for the ultimate party experience

i. What you need

- Raspberry Pi (I use model B)
- Ethernet Cord/Wifi Dongle
- SD Card (At least 1gb)
- Music (More on this later)

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ii. Installing MusicBox

Download MusicBox 0.5 (http://dl.mopidy.com/musicbox0.5.zip)

Mount the image to your SD card.
(http://elinux.org/RPi_Easy_SD_Card_Setup#Flashing_the_SD_Card_using_Windows)

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iii. Basic Configuration

Keep SD card connected to PC. Explore the SD card and navigate to config>settings.ini and open it with your favorite text editor.

A few things to note here…

- Set wifi_network and wifi_password if using wifi.
- You can change the name of the server with the name field.
- If you want to SSH into the box rather than connect a keyboard and monitor to it, set enable_ssh = true
- You will then get a list of services offered (spotify, scrobbler… etc.) Note: If using spotify, make sure you have Spotify Premium or it will not work. I recommend setting enabled = false for any services you do not wish to use. (You can turn them on later)
- On line 313 you can disable local music. I recommend disabling this if you do not plan to have any local music. (It just reduces the clutter and confusion of the party-goers)

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iv. Booting up the device

Go ahead and turn on the device. It should take anywhere from 2-5 min to boot. If you are using wifi I strongly suggest hooking a monitor up to the rpi to see if there are any errors. If using ethernet, attempt to SSH in after about 2 minutes.

The default username is: root and password is: musicbox

Go ahead and login.

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v. Making your device party friendly

MusicBox is very convenient. It allows users to Que songs that they find to a playlist. MusicBox does however have a few "party fowls" built into it.

By default, when you click/tap a song after you've searched for it, it will add the entire album/search/artist to the playlist, but not before clearing the playlist and stopping the music.

Most party-goers will want to be able to click/tap a song and have that song just be added to the bottom of the queue. This can be achieved by making a few edits to two of the java script files.

(Note this only works on 0.5 MusicBox, not 0.5.2b)

Use the following commands:

cd /

find -name "controls.js"

You should get the location of where this file is located.

sudo nano <file location from above>

This will open the controls.js file for editing.

Go to https://github.com/Originate/Mopidy-MusicBox-Webclient/commit/2462cee46149bc0e269b178ea817c319af1f9647 and make the changes as described. (I prefer to use Split view to see what it should look like after I'm done.)

Once those changes are done, go to https://github.com/Originate/Mopidy-MusicBox-Webclient/commit/ab87810c7100bd4cf5ea24f49

[a310961c0c09c6a?diff=unified](#) and make the changes for controls.js. You will see that there are also some changes made to functionsvars.js. This is conveniently located in the same directory as controls.js.

Ctrl+X then **Y** then **Return** to save controls.js

Then open up functionsvars.js. If you don't know where it is simply do a

find -name "functionsvars.js"

then a

sudo nano <file location from above>

Make the changes as described in the second link

Ctrl+X then **Y** then **Return** to save functionsvars.js

If you haven't done so already, go ahead and connect to your MusicBox to take a look how it is laid out. You should see that there is a menu bar on the left hand side which is cluttered, especially if you aren't using all the features. Connect to it by going to its local ip address or MusicBox/

I like to disable or **hide** some of the menu items from being seen. I feel that the Settings and System menu items should especially be hidden, so some drunken party-goer doesn't mess with your MusicBox. (Remember, we want this to be as simple as possible for our party-goers.)

Go ahead and find the index.html file.

find -name "index.html"

You will get a few results from this find.

We are looking for the **/opt/webclient/index.html**

chmod 755 "/opt/webclient/index.html"

Go ahead and open up this file.

sudo nano /opt/webclient/index.html

Scroll down to about line 70, where you see the **<ul class="ui-listview mainNav"...**

This will be the navigational menu code.
You can either completely delete the individual list items, or you can comment them out. It is up to you.

You comment out html code by doing the following

<!-- CODE HERE →

I only use Spotify for my MusicBox so I commented out the following:

- Browse
- Radio
- Fullscreen
- Exit Fullscreen
- Settings
- System

Fullscreen is nice if you are not using a mobile device.

Again **Ctrl+X** and **Y** and **Return** to save.

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vi. Reboot and enjoy

Once you have made these changes, simply reboot the device by typing in

shutdown -r 0

Go ahead and connect to your MusicBox by typing in its local ip address or MusicBox/
You may need to clear the cache of your browser for the previous changes to take affect.

If you'd like to make the MusicBox device connectable without having to be on the same network, portforward ports 80 and 6680 to the local ip address of your MusicBox. (This is convenient if you are partying in an area without good Wifi signal or you just don't want to have to get all your party-goers connected to your wifi at home.)

If you ever need to manage your MusicBox you can connect to MusicBox/index2.html which is a non gui version of all the menu items. (Convenient to have if you disabled some of the menu items in index.html.

Enjoy!