

How to Install Music Box

Music Box is built on top of an open source app called podcastgen
We run it on a locally hosted mesh network but you could also use host it on the web.

What do I need to know?

[How to install Ubuntu](#)

[How to open a terminal window in linux](#)

[Know what an IP address is](#)

[Open compressed files in Ubuntu](#)

What Operating Systems to Use

You can use Ubuntu 14.04 Its server if you are familiar with it or use Ubuntu desktop if you are used to using a graphical user interface (gui).

Music Box will work on Raspberry Pi “Raspbian” and many other debian or ubuntu based linux distributions

Installation Steps

1. Find the computer’s IP address

(NOTE: It is good to set a static IP address if you won’t be moving the server to a new network: [how-to link](#))

2. Open the terminal and enter the following command

```
sudo ifconfig <enter>
```

You will see a number like 192.168.1.17 - This is your computer’s IP address

3. Update apt-get

enter in terminal:

```
sudo apt-get update <enter>  
sudo apt-get upgrade <enter>
```

4. Install php5 and apache

enter in terminal:

```
sudo apt-get install apache2 php5 libapache2-mod-php5 <enter>  
sudo /etc/init.d/apache2 restart <enter>
```

Disregard if you get the following error:

```
“AH00558: apache2: Could not reliably determine the server’s fully qualified domain name, using 127.0.1.1. Set the ‘ServerName’ directive globally to suppress this message”
```

5. Install a Text Editor if you are using a Ubuntu desktop or a Graphical User Interface

We used gedit for this tutorial

enter in terminal:

```
sudo apt-get install gedit <enter>
```

6. Download the newest version of Podcastgen

Unzip or Extract to your home folder
then move the podcastgen folder to the html folder
enter into terminal:

```
sudo mv podcastgen /var/www/html/ <enter>
sudo chmod -R 777 /var/www/html/podcastgen <enter>
```

open a web browser and go to:
localhost/podcastgen or yourserver-ip-address/podcastgen

run the web config wizard
everything should be good - just enter in a user name and password
#meshadmin
#yourpassword

7. Change php.ini settings

enter into terminal:

```
sudo gedit /etc/php5/apache2/php.ini
```

Find the following settings in php.ini and change to fit your needs. We used 100mb.

```
upload_max_filesize (php.ini) = 100M
post_max_size (php.ini) = 100M
```

8. Restart the server

enter into terminal:

```
apachectl -k graceful
```

Install Music Box Files:

1. Download the files from here

2. Arrange your folders

Put the musicbox folder inside /podcastgen/themes/ folder
put functions.php in /podcastgen/core/ folder

3. Set Theme

login to the "Admin" link in the upper right corner of your browser
Under "Theme and Aspect"
Select "change theme" and choose the "musicbox" theme

4. Configure Musicbox

Under "My Podcast Details" Fill in the name and other details of your Musicbox installation to your liking.

To edit the Banner modify or switch out with your own png file to customize your Music Box!

```
/var/www/html/podcastgen/themes/musicbox/imgs/logoWslogan.png">
```

Freebox

If you have a icecast server or radio stream, you can enter the address into the freebox. If you don't, you can disable it in administration configuration in podcastgen

This is the code we use for our streaming server in the Freebox:

```
<p> </p>
<p>Music Box Radio Stream</p>
<script type="text/css">// 
.center {
margin: 0 auto;
}
// ]]&gt;&lt;/script&gt;
&lt;div class="center"&gt;&lt;audio controls="controls"&gt;
&lt;source src="http://192.168.2.25:8000/airtime_128" type="audio/mpeg" /&gt;
&lt;em&gt;Sorry, your browser doesn't support HTML5 audio.&lt;/em&gt;&lt;/audio&gt;&lt;/div&gt;</pre></div><div data-bbox="55 346 260 368" data-label="Section-Header"><h2>Troubleshooting:</h2><hr/></div><div data-bbox="55 379 940 420" data-label="Text"><p>If your Server changes IP addresses after setup, you need to change it in the config files. You can use gedit</p><pre>sudo gedit /var/www/html/podcastgen/config.php</pre></div><div data-bbox="55 442 526 460" data-label="Text"><p>change the existing ip address to your new one. example:</p></div><div data-bbox="94 464 851 501" data-label="Text"><pre>$url = "http://10.1.10.15/podcastgen/"; // Complete URL of the script
(Trailing slash REQUIRED)</pre></div><div data-bbox="55 519 183 536" data-label="Text"><p>The next file is:</p></div><div data-bbox="94 541 776 560" data-label="Text"><pre>sudo gedit /var/www/html/podcastgen/themes/musicbox/index.htm</pre></div><div data-bbox="55 566 609 585" data-label="Text"><p>You will need to change the old IP address in 3 lines of "index.html"</p></div>
```