Remote Democratic Jukebox

User Manual

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Team Name: Team #25

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Modification history:

Version	Date	Who	Comment
v0.0	05/13/13	S. Applegate	Template
v0.1	04/10/14	John Graham	Setup
v0.2	04/11/14	John Graham	Filling holes
v0.3	04/13/14	Tiffany Loon	Formatting Document
v0.4	04/14/14	John Graham	Added screenshots, cleaned things up.
v1.0	04/21/14	John Graham	Cleaning up.

Contents of this Document

System Description

Remote Digital Jukebox, or RDJ, is a digital audio player that allows anyone on the network local to the playing device to have a vote in the audio player's play queue. It is intended for use in

any social gathering, from small gatherings of friends for cards to a weekend house party. Our system allows you to add a more social aspect to the atmosphere of your event, providing a balance between the ruthless totalitarianism of a pre-arranged evening and the chaotic democracy of a flash mob. Far from being a party gimmick, one can use this to allow the very party itself to dynamically change mood, within predefined constraints.

System States

- Using this system without network connection: the system defaults into a basic mp3 music player, though the host user (on the host system) can open a browser to apply upvotes themselves.
- Using this system with a wired network connection: the system displays a web address (IP:Port) that would allow other computers connected over that same network to access a voting page, allowing them to manipulate the play queue, democratically.
- Using the system with a wireless network connection: the system operates the same under these circumstances as with a wired connection, but this hardware setup is more ideal for the intended use: having guests with no computing equipment outside of a smartphone available.
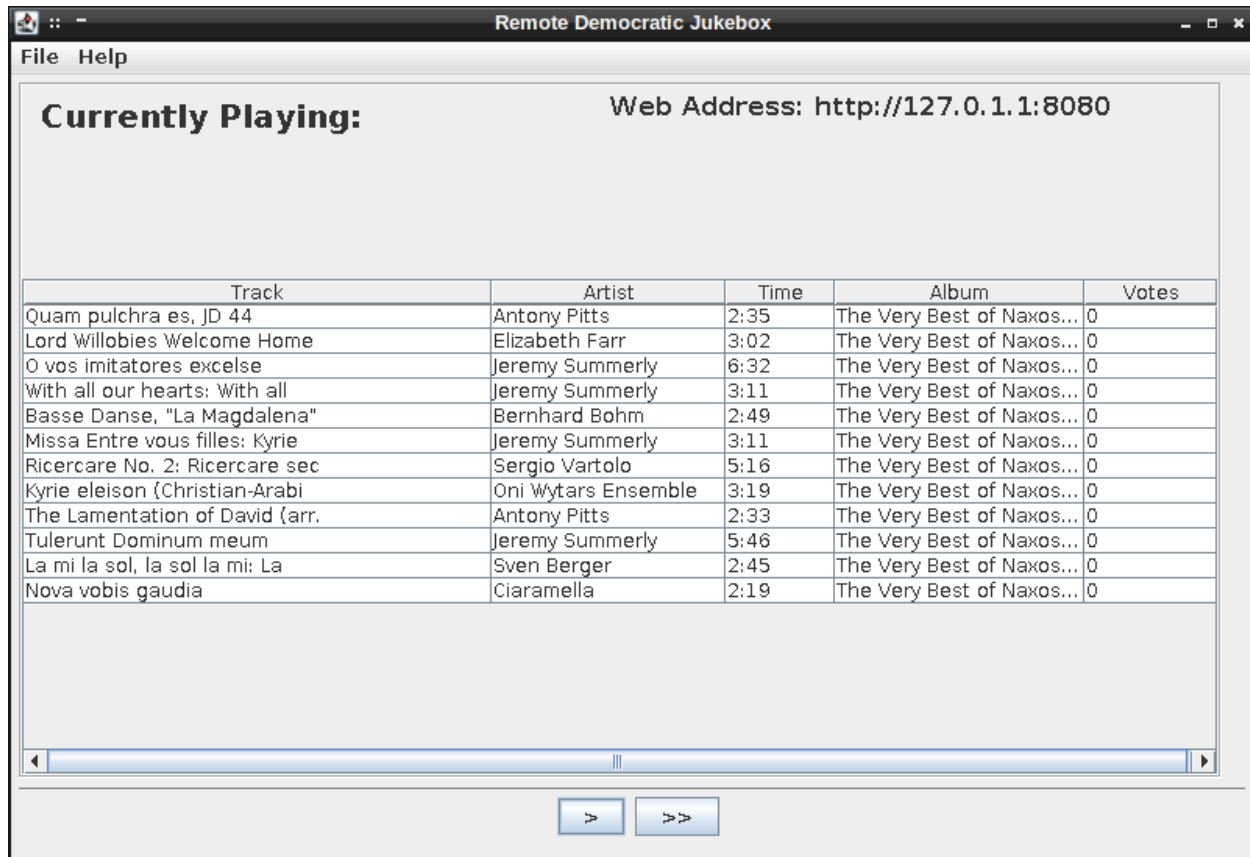
System Functions

- Add tracks to the play queue:
    a. Open the "File" menu at the top-left of the main window on the host system, then select "Add tracks to library".
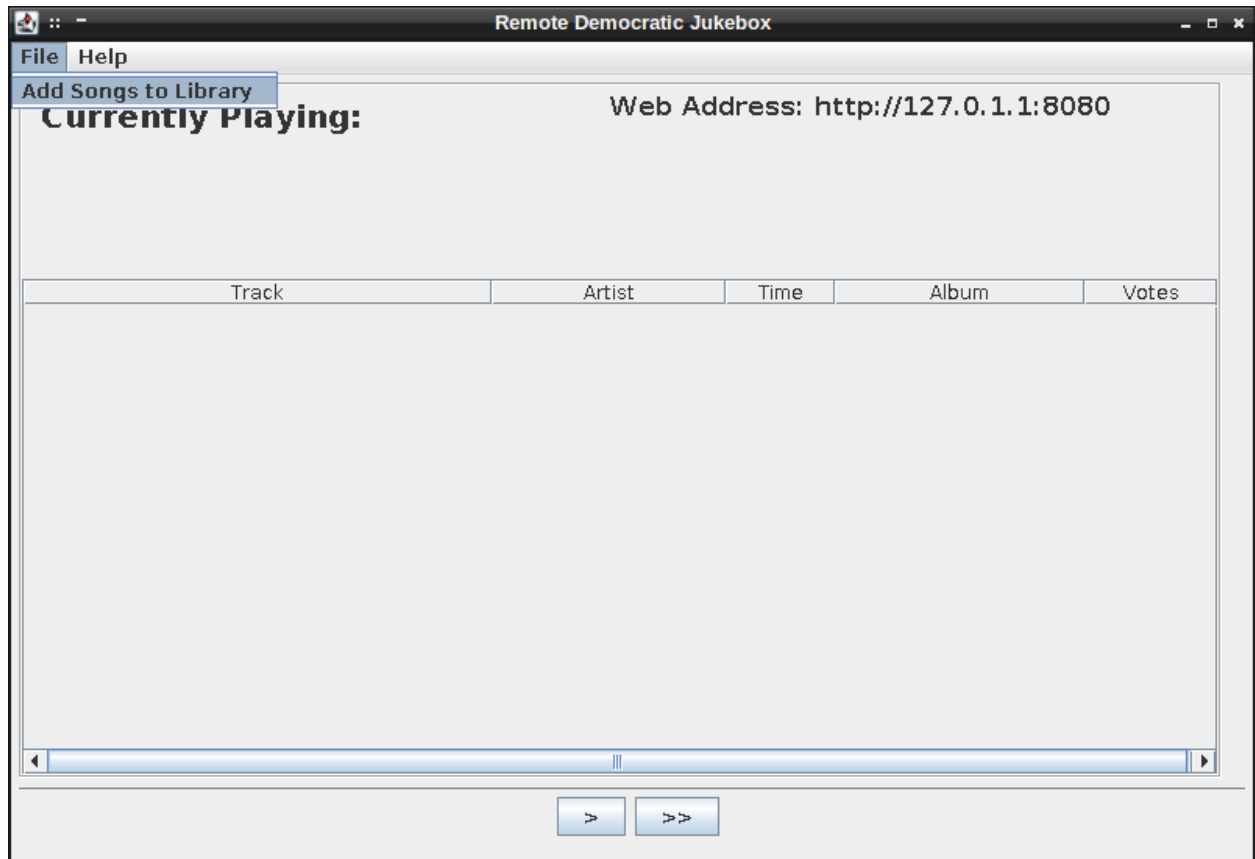
b. Navigate to the folder containing the tracks, then select one or more of the tracks and click "Open" or press the "Enter" key.
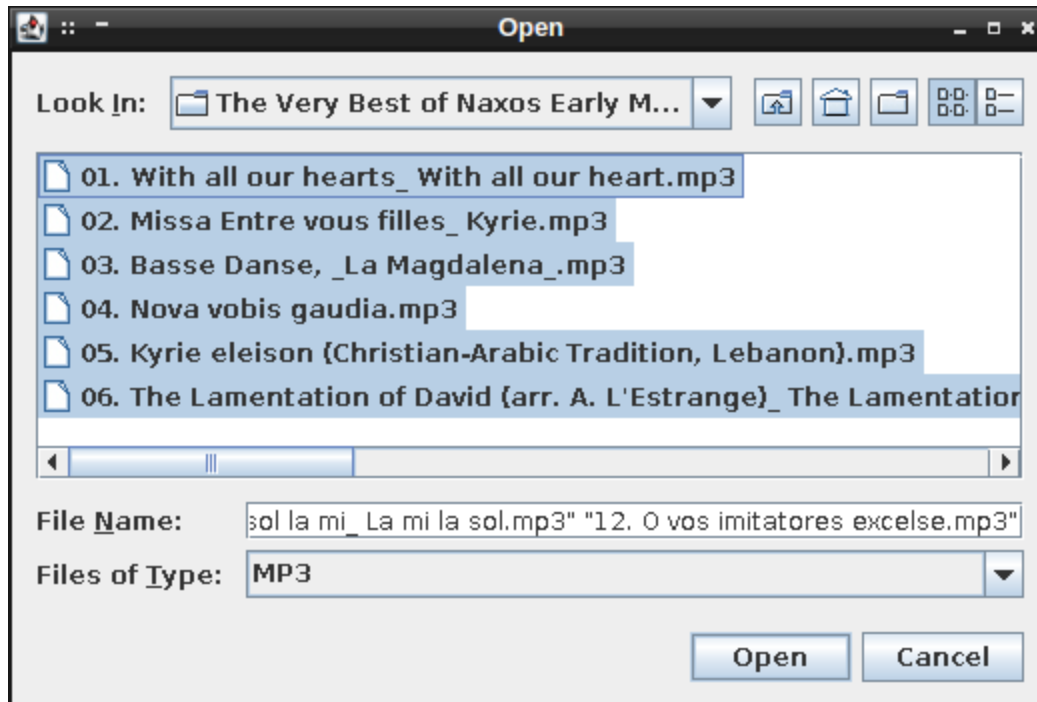
      c. Tracks should now start displaying in the play queue and on any client-browser window.
- Start/stop playback:
      a. Once one or more tracks have been added to the play queue, one can click on the "Play" button (represented by a traditional "play" icon) on the main host system window to begin playback. The track at the top of the play queue (the one with the most votes) will begin playing first.

Track	Artist	Time	Album	Votes
Quam pulchra es, JD 44	Antony Pitts	2:35	The Very Best of Naxos...	0
Lord Willobies Welcome Home	Elizabeth Farr	3:02	The Very Best of Naxos...	0
O vos imitatores excelse	Jeremy Summerly	6:32	The Very Best of Naxos...	0
With all our hearts: With all	Jeremy Summerly	3:11	The Very Best of Naxos...	0
Basse Danse, "La Magdalena"	Bernhard Bohm	2:49	The Very Best of Naxos...	0
Missa Entre vous filles: Kyrie	Jeremy Summerly	3:11	The Very Best of Naxos...	0
Ricercare No. 2: Ricercare sec	Sergio Vartolo	5:16	The Very Best of Naxos...	0
Kyrie eleison {Christian-Arabi	Oni Wytars Ensemble	3:19	The Very Best of Naxos...	0
The Lamentation of David {arr.	Antony Pitts	2:33	The Very Best of Naxos...	0
Tulerunt Dominum meum	Jeremy Summerly	5:46	The Very Best of Naxos...	0
La mi la sol, la sol la mi: La	Sven Berger	2:45	The Very Best of Naxos...	0
Nova vobis gaudia	Ciaramella	2:19	The Very Best of Naxos...	0

b. After playback has commenced, the "Play" button will change icon to a traditional "pause" icon to signify that it now has changed functionality. Click it in this mode to pause playback.

● Skip currently playing track:

a. From the main host client, at the bottom of the window, there should be a skip button represented by a right-pointing arrow. Click it, and the player will skip to the next track in play queue.

● Upvote track on the play queue:

a. Check to make sure that the device you wish to open the guest interface in is connected to the same network as the main host system.

b. Go to the main window on the host system, there will be an IP address followed by a port number. Enter this into your web browser and either press the "Enter" key or click "Go".

Title	Artist	Votes	
Quam pulchra es, ...	Antony Pitts	0	Upvote
Lord Willobies We...	Elizabeth Farr	0	Upvote
O vos imitatores ...	Jeremy Summerly	0	Upvote
With all our hear...	Jeremy Summerly	0	Upvote
Basse Danse, "La ...	Bernhard Bohm	0	Upvote
Missa Entre vous ...	Jeremy Summerly	0	Upvote
Ricercare No. 2: ...	Sergio Vartolo	0	Upvote
Kyrie eleison (Ch...	Oni Wytars Ensemble	0	Upvote
The Lamentation o...	Antony Pitts	0	Upvote
Tulerunt Dominum ...	Jeremy Summerly	0	Upvote
La mi la sol, la ...	Sven Berger	0	Upvote
Nova vobis gaudia	Ciaramella	0	Upvote

  c. From the guest interface, if there have already been tracks added to the play queue, there should be a list of votable tracks in the window, along with a "Vote" button alongside each. Click on a vote button for a track you wish to promote in the list. Note: one guest interface can only vote once every 30 seconds.
- Open Help document:
  a. From the main host client, open the "Help" menu at the top-left of the window. From

there, select "Open Help Document", and a web browser window will open with this help document.
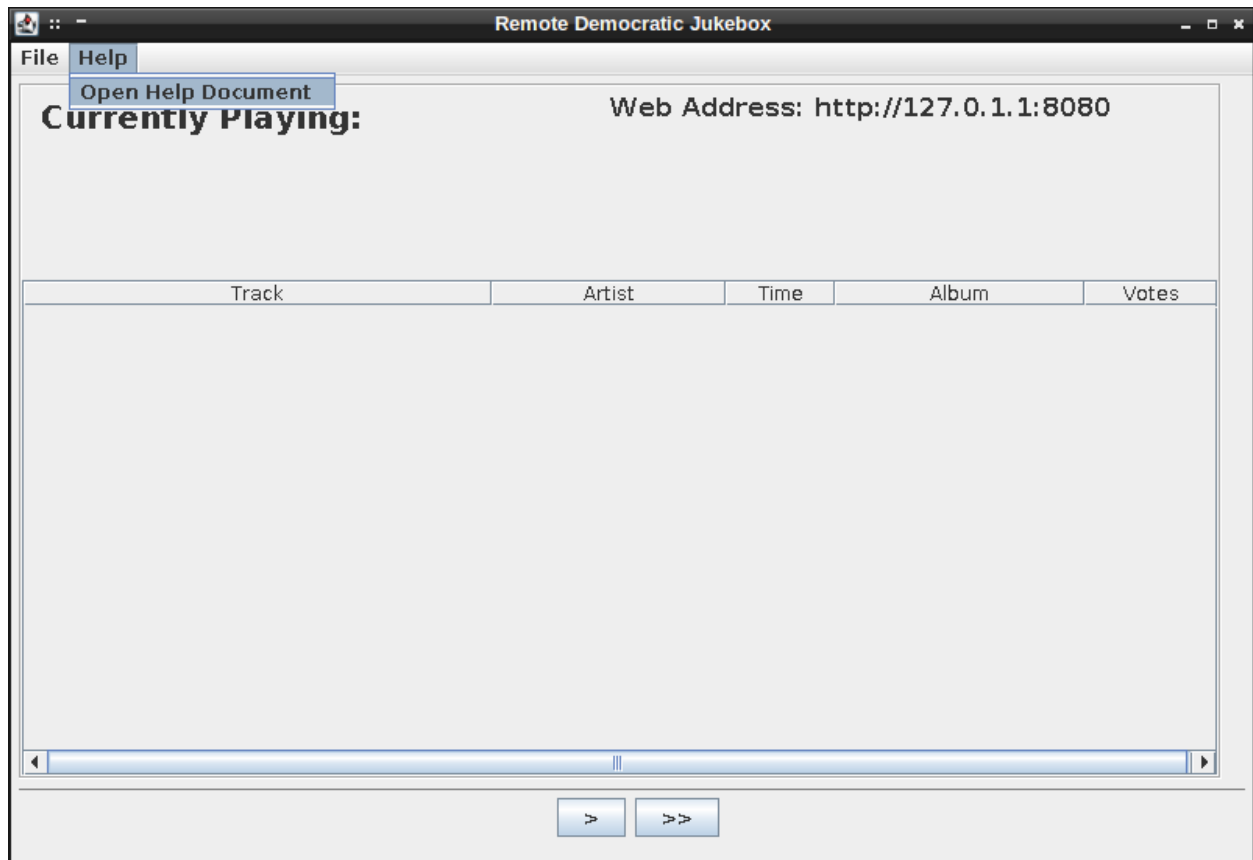
Appendix – Acronyms and Abbreviations

- RDJ: Remote Democratic Jukebox