Playdo

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Playdo, is a music player with voice recognition and an app that will obey voice commands provided by the user. This app caters to the music loving people, and provides them with enhanced accessibility features. The music player is aimed at the android platform as its most popular today.

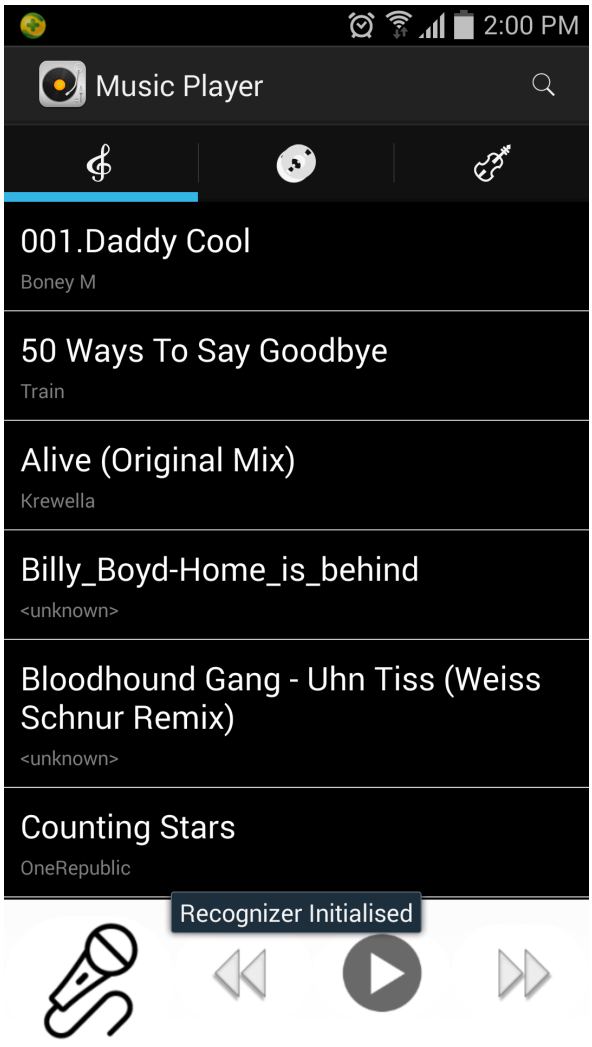
1 User Manual

1.1 Installing the application

To install the application you need to search for and download the app from the Playstore. If you have access to the .apk install file you can also simply click on the file to install it.

1.2 Starting the app

Click on the app icon to start. Once the app is opened, all the songs presen on the device will be listed. When the app starts the voice recogniser engine begins to initialise, this may take a while. Please be patient and wait. The app will notify you with a toast message telling you that the recogniser is initialised and then you can start issuing voice commands.



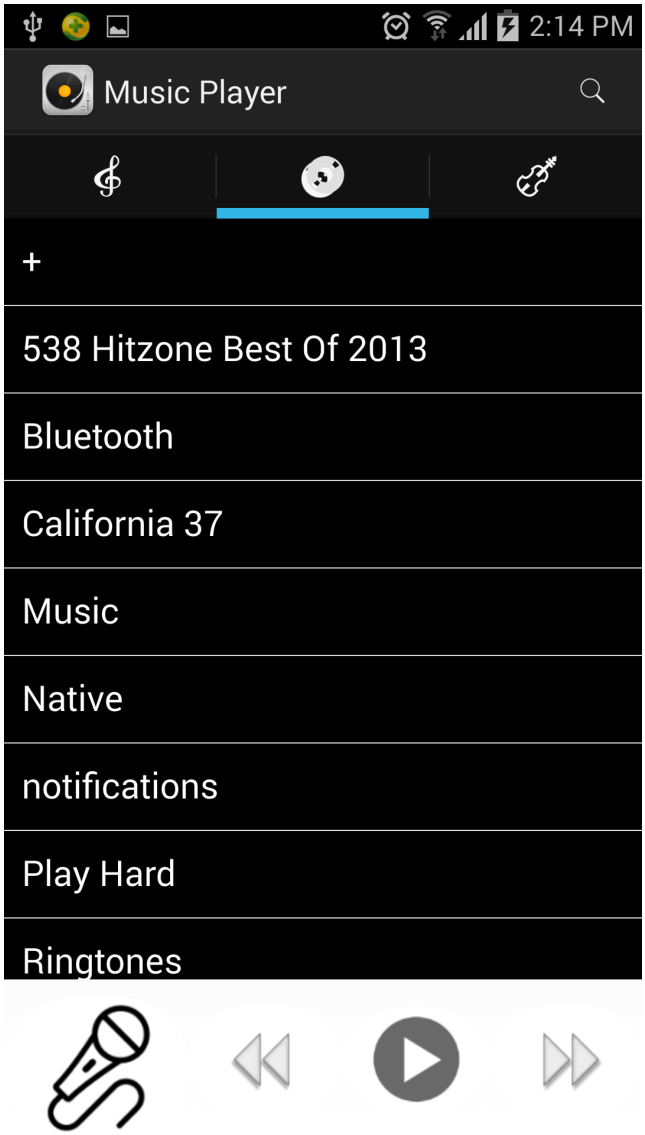
1.3 The Tabs

1.3.1 All Songs

The All songs tab is the first tab. It has a treble clef icon to it. You can at any time switch to it by clikcing on the icon in the tabbed menu. All the songs with their respective artists present on your device will be listed in this tab. To play any song from this list,

you have to simply scroll to the song and click on it.

1.3.2 All Albums



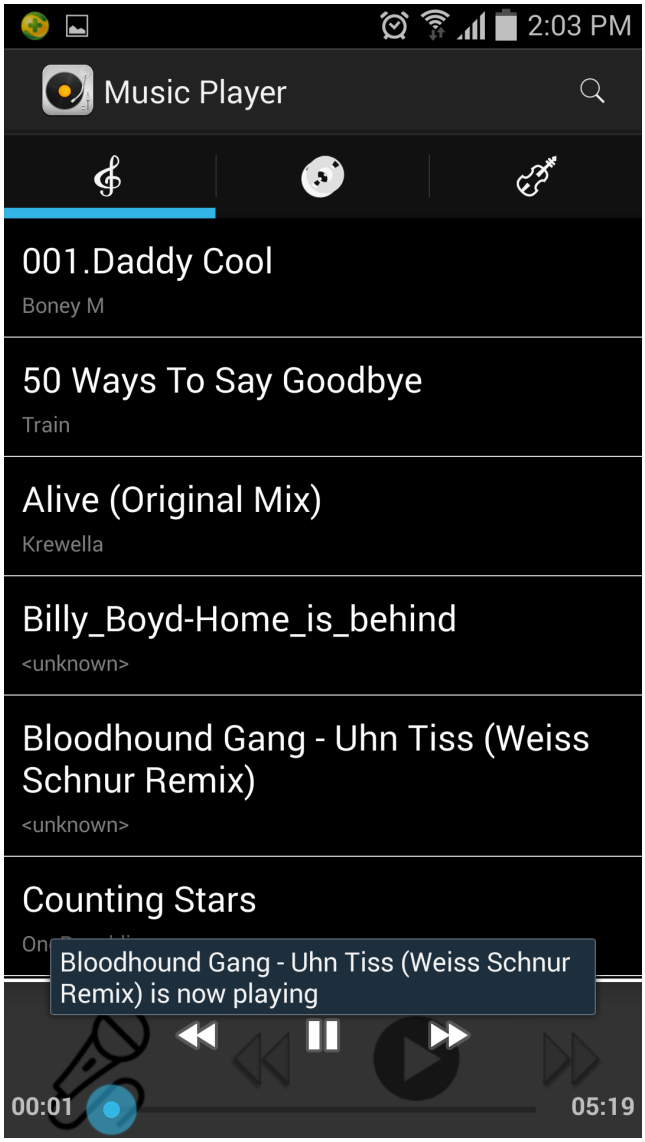
The All Albums tab is the second tab. It has a two cd superposed icon. You can at any time switch to it by clicking on the icon in the tabbed menu. All the albums are listed in this tab. On clicking any album, a new list is populated with the songs in that album. To then play a song from the list you can simply click on the desired song.

1.3.3 All Artists

The All Artists tab is the second tab. It has a guitar superposed icon. You can at any time switch to it by clicking on the icon in the tabbed menu. All the artists are listed in this tab. On clicking any artist, a new list is populated with the songs by that artist. To then play a song from the list you can simply click on the desired song.

1.4 Controlling Playback

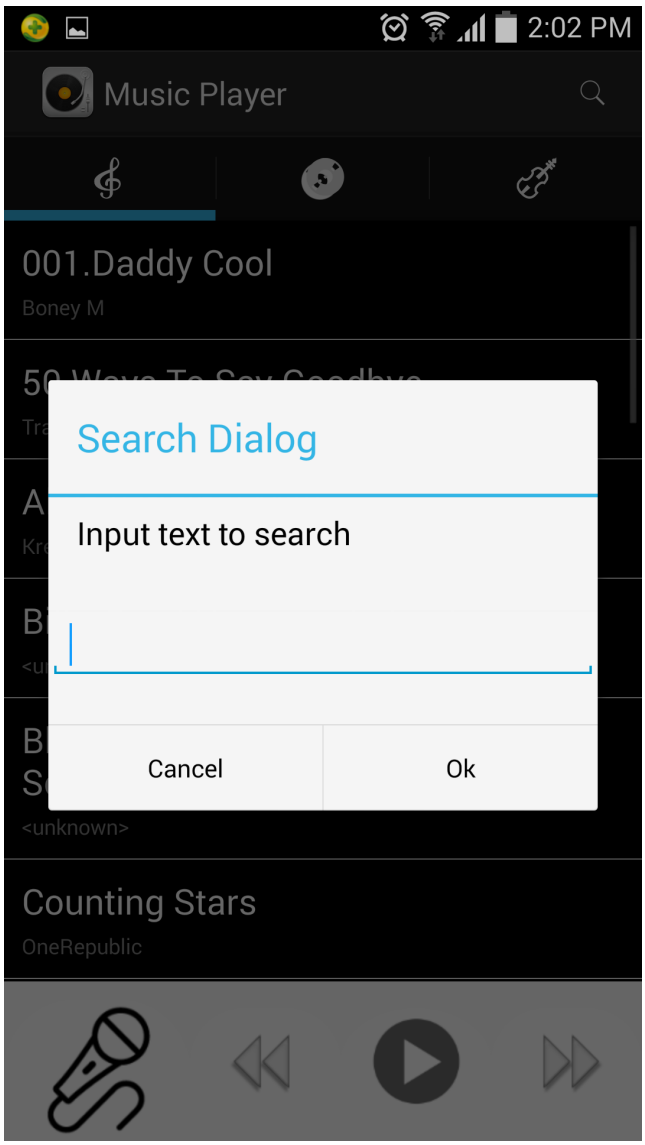
To start playback you simply click on the play button. The play button has a triangular icon. If it is the first time you've clicked on this button, then the first song in the nowplaying list will start playing. Once the song has begun to play, the play icon will change to an icon with two vertical bars. So to pause the song from playing you simply click on that button. After the song has begun playing, a transparent dialog appears on the bottom of the screen. This dialog consists of



a seek bar which you can use to seek to a particular section of the song. You can also play the previous and next songs by clicking on the buttons also present in the dialog. A Toast notification will also tell the user the title of the song playing.

1.5 Search for a particular song

To search for a particular song, click on the magnifying glass icon in the action bar above the tabbed menu on the right side of the screen. This will open a dialog box with a text input field, allowing you to type the name of the song that you want to find. Once you enter the text of the song you are looking for, click on the OK button to actually perform the search. You can alternatively click on cancel to cancel the whole operation.


2:02 PM
Music Player
001.Daddy Cool
Boney M
Search Dialog
Input text to search
Cancel
Ok
<unknown>
Counting Stars
OneRepublic

1.6 Voice commands

Here is a list of keywords that the application understands.

- Music Player - The main keyword
- Play - To start playing
- Pause - Pause the song
- Next - Switch to the next song
- Previous - Switch to the previous song
- Play Song - Play a specific song
- Artist - List all artists
- Album - List all albums
- All Songs - List all songs
- Raise volume - Raise volume level
- Decrease volume - Decrease volume level

1.6.1 Music Player

The music player command is used to initiate any communication with the app. The voice recognition mechanism will work only after it has been activated using this command. The general pattern of a voice command is `<Music Player> <any other command>`

1.6.2 Play

The play command is used to play the current song, or the first song in the now playing list. The general pattern of a voice command is `<Music Player> <Play>`

1.6.3 Pause

The pause command is used to pause the current song. The general pattern of a voice command is `<Music Player> <Pause>`

1.6.4 Next

This command is used play the next song in the now playing list. The general pattern of a voice command is `<Music Player> <Next>`

1.6.5 Previous

This command is used play the previous song in the now playing list. The general pattern of a voice command is `<Music Player> <Previous>`

1.6.6 Play Song

This command is used to play a particular song. The user can choose which song he/she wants to play specifically by naming it. If either the song does not exist or it has not recognised it correctly, it does not do anything. Also if there are multiple songs resulting from the search, it displays a list of songs in a dialog box for you to choose from. The general pattern of a voice command is `<Music Player> <Play Song> <Name of Song>`

1.6.7 Artist

This command is used to list out all the artists on the device. The general pattern of a voice command is `<Music Player> <Artist>`

1.6.8 Album

This command is used to list out all the albums on the device. The general pattern of a voice command is `<Music Player> <Album>`

1.6.9 All Songs

This command is used to list all the songs on the device. The general pattern of a voice command is `<Music Player> <All Songs>`

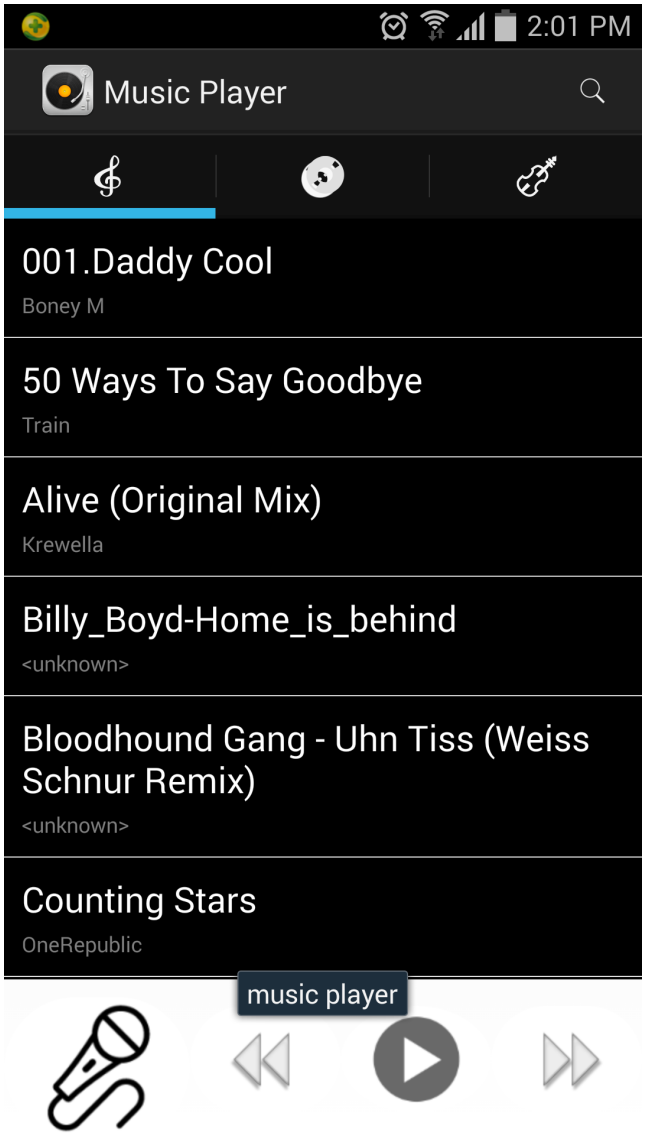
1.6.10 Raise volume

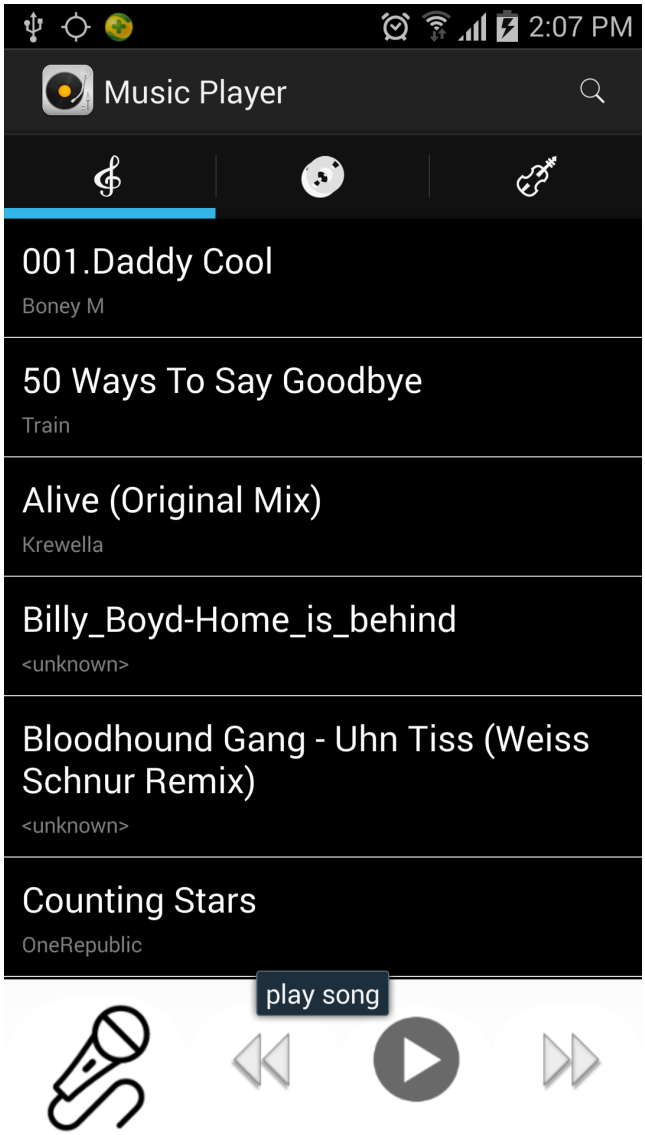
This command is used to raise the volume of the device. The general pattern of a voice command is `<Music Player> <Raise volume>`

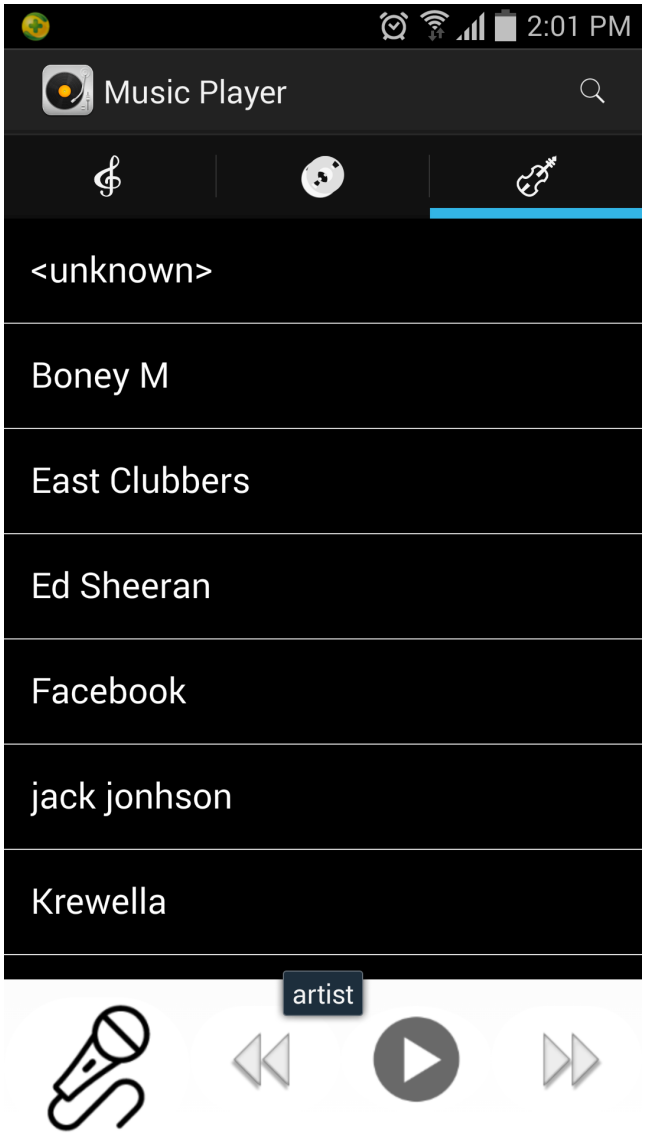
1.6.11 Decrease Volume

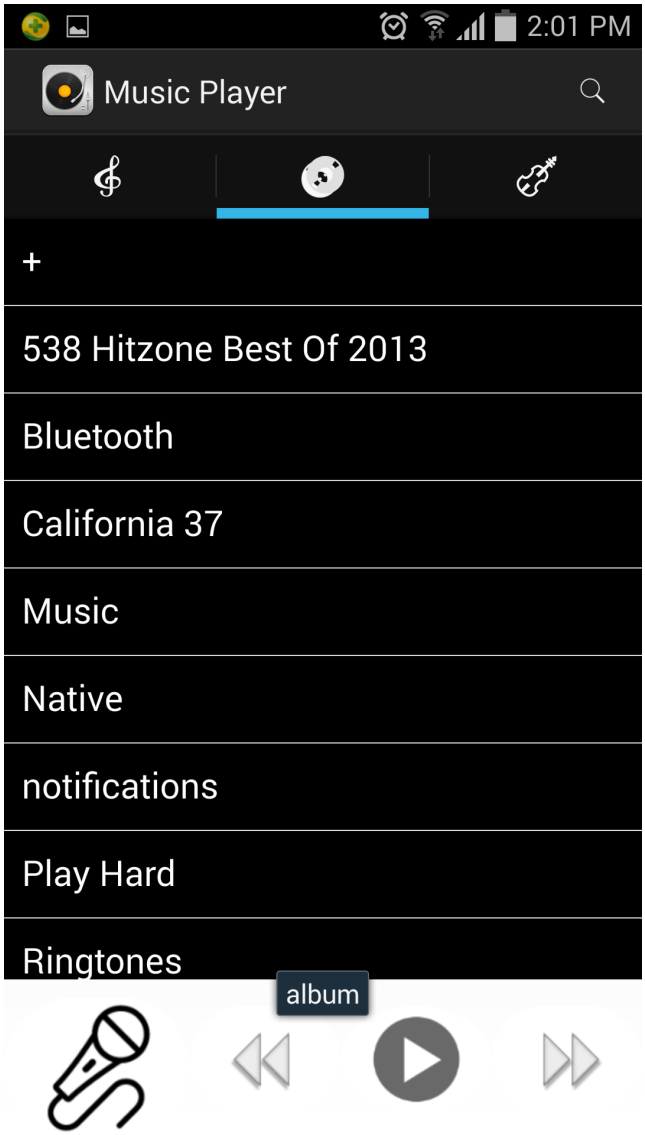
This command is used to decrease the volume of the device. The general pattern of a voice command is `<Music Player> <Decrease volume>`

1.6.12 A Few Examples


2:01 PM
Music Player
001.Daddy Cool
Boney M
50 Ways To Say Goodbye
Train
Alive (Original Mix)
Krewella
Billy_Boyd-Home_is_behind
<unknown>
Bloodhound Gang - Uhn Tiss (Weiss Schnur Remix)
<unknown>
Counting Stars
OneRepublic
music player


2:07 PM
Music Player
001.Daddy Cool
Boney M
50 Ways To Say Goodbye
Train
Alive (Original Mix)
Krewella
Billy_Boyd-Home_is_behind
<unknown>
Bloodhound Gang - Uhn Tiss (Weiss Schnur Remix)
<unknown>
Counting Stars
OneRepublic
play song


2:01 PM
Music Player
<unknown>
Boney M
East Clubbers
Ed Sheeran
Facebook
jack jonhson
Krewella
artist


2:01 PM
Music Player
+
538 Hitzone Best Of 2013
Bluetooth
California 37
Music
Native
notifications
Play Hard
Ringtones
album