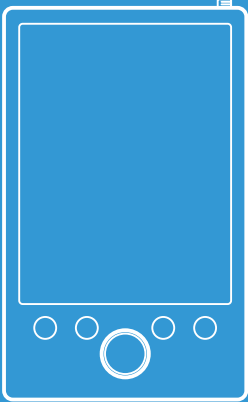
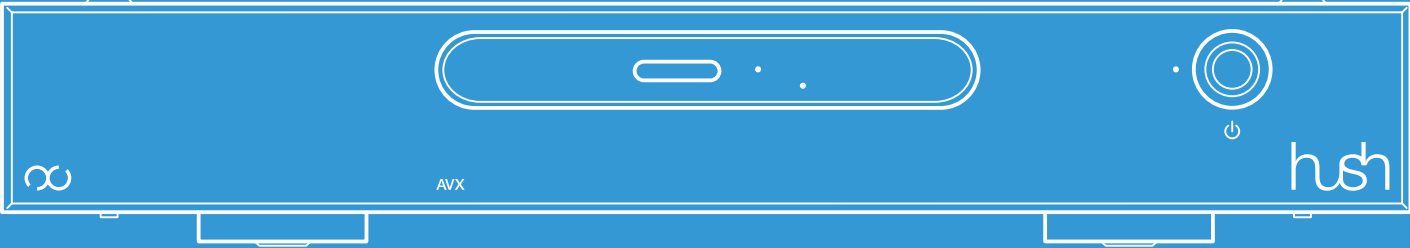


HUSH AVX Music Server  
User Guide Version 1.0



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- the DigiFi™ System be dropped and/or mishandled;
- anything other than a music CD be placed in the DigiFi™ CD tray for ripping, including but not limited to DVDs, copyright protected discs or software discs (other than those provided by Digital Fidelity or approved partners for the purpose of upgrading part of the DigiFi™ System).

# Introduction

## **Introducing the HUSH™ AVX Music Server.**

The HUSH™ AVX Music Server stores up to 1600 CDs and plays them through your existing Hi Fi system.

The Server is controlled using the DigiFi™ interface, which is hosted on a handheld PDA.

The PDA is connected to the Server by wireless LAN.

The DigiFi™ interface makes it easy and intuitive to select and play albums or tracks, and to create, edit and listen to playlists.

Encoding formats currently supported are WAV, WMA and MP3.

## **How to use this User Guide**

The AVX has been designed by music lovers for music lovers.

HUSH™ Technologies ask that, in order to get the best out of the AVX Music Server and the DigiFi™ software interface, you carefully read this User Guide.

This User Guide is divided into three sections.

Section 1 is the 'How To' guide. It explains in step-by-step detail how to complete the fundamental operations on the DigiFi™ Interface.

Section 2 is the 'Reference' Guide. It provides reference information for more advanced operation.

Section 3 is the 'Troubleshooting' section. It provides the answers for the most common technical issues.

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- 1.3 General Controls
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# 1. How To

## 1.1 Use the Interface

The DigiFi™ interface is based on a simple tab system. It's easy to use and intuitive to learn.

Just tap on a tab or button navigate.

There are 4 screens you're likely to use the most:

- Music Library — Albums
- Music Library — Tracks
- Now Playing — Tracklist
- Now Playing — Currently Playing

### The Music Library — Albums

Where you'll find your music collection displayed.

### Music Library — Details

Lets you see all the tracks on your album or playlist.

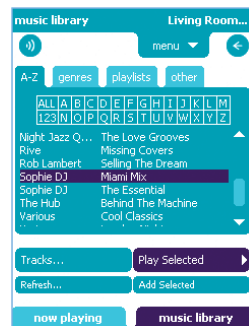
### Now Playing — Tracklist

Shows you the current tracks being played and queued.

### Now Playing — Current Track

Shows you the current track being played.

For normal listening, it is a simple matter of 'toggling' between the Music Library and Now Playing screens to play albums — and using the Tracks screen to select separate tracks.



Music Library —  
Albums



Music Library —  
Tracks



Now Playing —  
Tracklist



Now Playing —  
Current Track

## DigiFi™

The DigiFi™ Hush AVX Music server is powered by Digital Fidelity Limited's DigiFi™ software system.

# 1. How To

## 1.2 Hardware Buttons

### Button 1

Switch the DigiFi™ Interface on and off.

### Button 2

Takes you to the Now Playing screen. Once there, it lets you toggle between Tracklist and Current Track views.

### Button 3

Takes you to the Music Library. Once there, it lets you step through A-Z, Genre, Playlist and Other views.

### Button 4

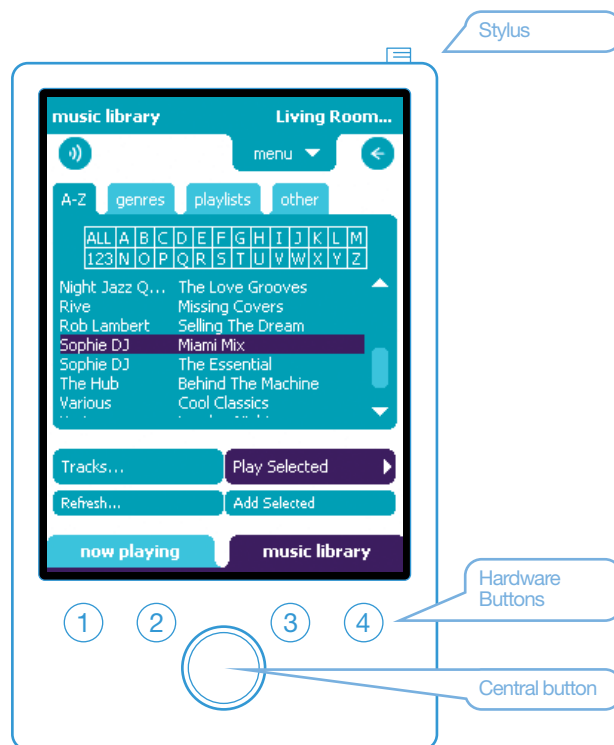
Takes you to Ripping and Encoding. Once there, it lets you toggle between Now Ripping and Now Encoding views.

### Central button

Up/Down changes volume.  
Left/Right changes track.

### Stylus

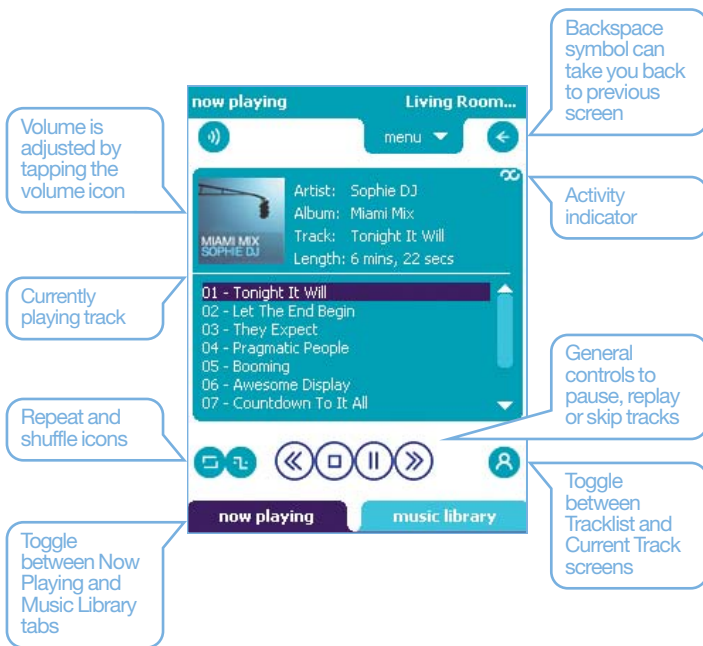
Use the stylus to tap your selections.



# 1. How To

## 1.3 General Controls

- ◀ The backspace symbol can take you back to the previous screen.
- 🔊 Volume can be adjusted by tapping this icon and moving the slider.
- ⏸ To pause the current track, tap the pause icon.
- 🔁 To select the repeat function, tap the repeat icon.
- 🔀 To select the shuffle icon, tap the shuffle icon.



## 1.4 Rip CDs

Just place a CD in the tray and close.

The AVX will do the rest.

You can tell it's ripping by the flickering blue light.

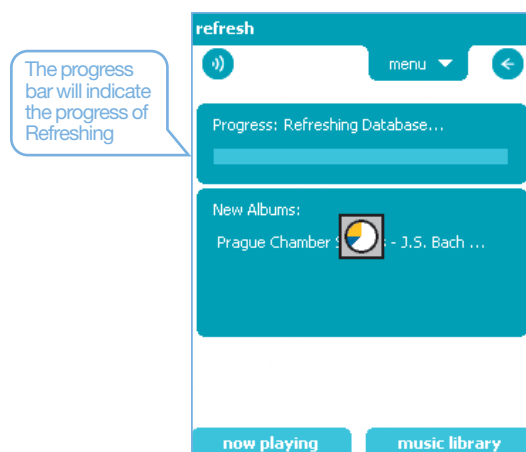
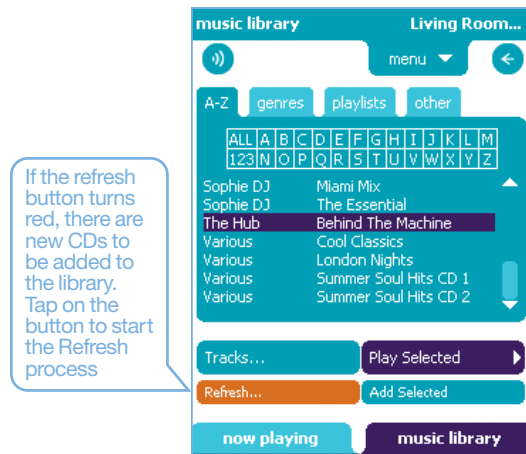
After a short time the CD tray will pop out.

You'll notice that the Refresh button on the Now Playing screen has turned red.

You can tap this button and the track information will be automatically updated.

Or you can place another CD in the tray and go on ripping.

Just tap Refresh at the end of your session for an automatic bulk update.





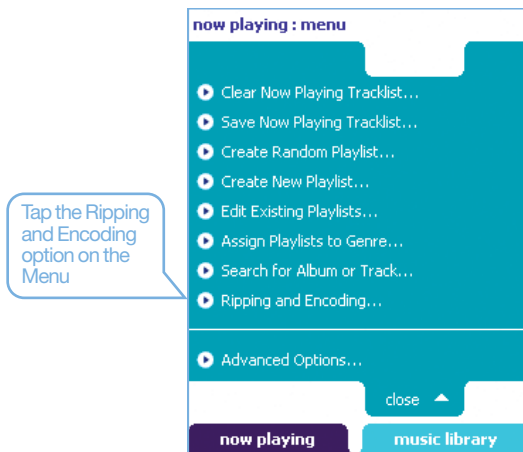
# 1. How To

## 1.5 Change Formats

CDs can be ripped in one of three formats:  
WAV (uncompressed);  
WMA (compressed);  
MP3 (compressed).

WAV will provide the highest quality fidelity, though will use approximately 10 times the storage space of WMA.

To change format, tap the Ripping and Encoding tab on the Menu.



Tap the Settings button.

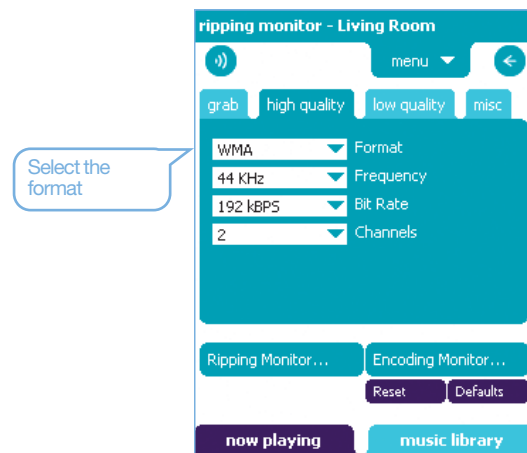
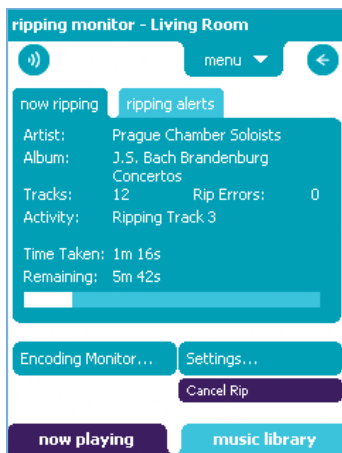
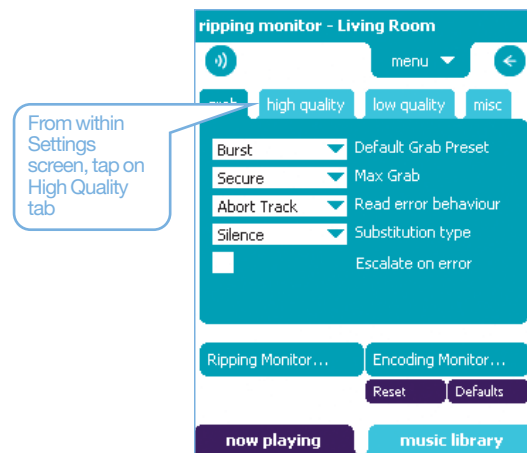
From within Settings screen, tap on High Quality tab.

The default is WMA (compressed).

To change to either WAV (uncompressed) or MP3 (compressed) simply tap on the drop-down menu marked Format, then highlight the format you want.

Tap Ripping Monitor to view current ripping progress.

Alternatively, tap the Now Playing or Music Library tabs.



For more details on frequency and bit rate please refer to Reference Section, 2.4.7.

# 1. How To

## 1.6 Play an Album

Most people start by using the A-Z function on the Music Library screen.

Tap All and the list of all artists ripped will appear.

Alternatively, you can tap a letter to quickly locate a particular album or artist.

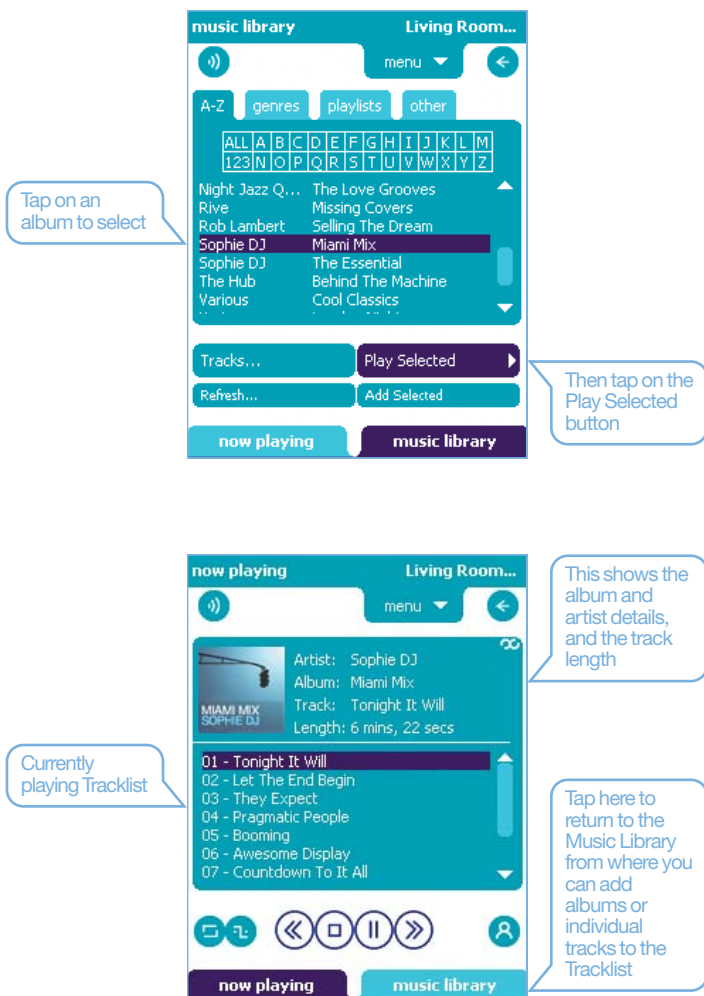
To select an album, highlight it.

Then tap Play Album.

The DigiFi™ will automatically play the album and the Now Playing screen will appear.

This shows the album and artist details, the track length, and the tracks now in the queue.

You can either add albums or individual tracks to this queue (Add Album, Add Track), and you can change tracks on this screen.



## 1.7 Select a Song

Go to Music Library.

Select an album.

Select Tracks.

Highlight a track.

To play the track, tap Play Track. The track will play and the Now Playing screen will appear.

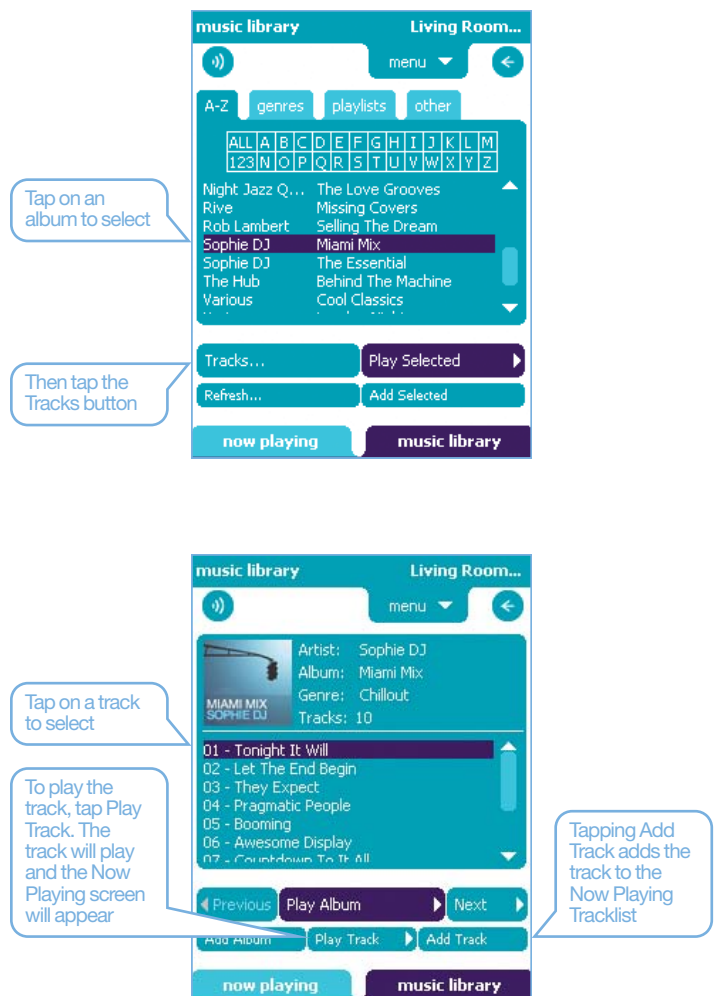
Alternatively, you can tap Add Track. This adds the track to the Now Playing queue.

You can change tracks in two ways:

Either tap once on the one you want to listen to.

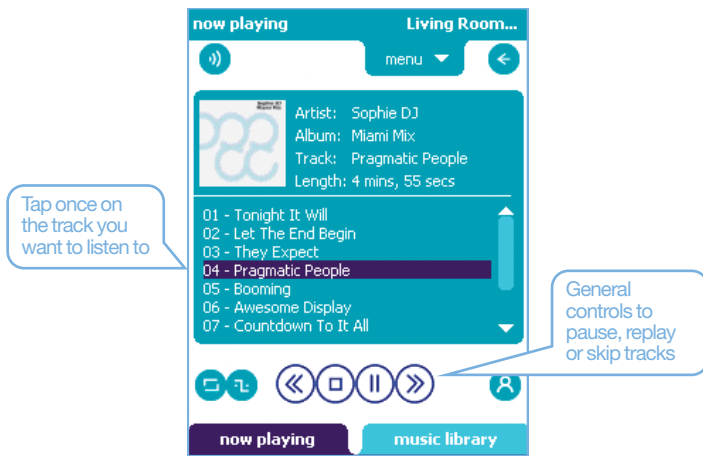
Or tap the forward or back buttons.

Method 1:



# 1. How To

Method 2:



## 1.8 Queue the Tracklist

The Now Playing screen works as a Tracklist.

You can keep adding albums or individual tracks to the list.

You can also save the Tracklist.

## 1.9 Save the Tracklist

Tap the Menu tab at the top of either the Now Playing or Music Library screen.

Tap the Save Queue option.

On the Name Playlist screen, type in a name for your new playlist by tapping the letters on the keyboard.

Tap the Finalise button.

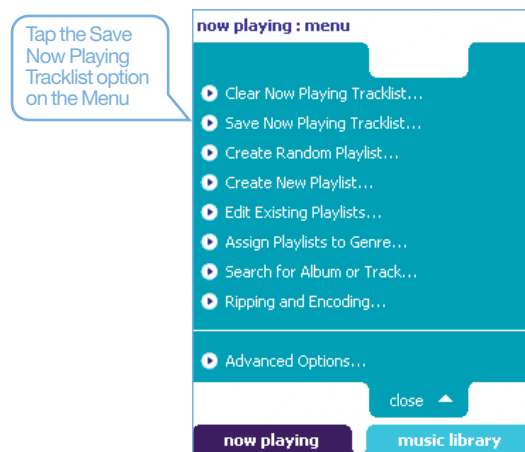
On the Finalise screen you can move the track order by using the Track Up or Track Down buttons.

You can also delete tracks you don't want by highlighting them and tapping the red Delete button.

You can also go Back and change the name of the playlist.

When you're ready, you can either Save Playlist – storing the new playlist in the Playlist tab of the Music Library screen.

Or you can Save and Play



# 1. How To

On the Name Playlist tab, type in a name for your new playlist

Tap the keyboard to enter required characters

Finalise

now playing music library

Tap on a track to select it

Tap on Delete to remove the selected track from your playlist

You can change the track order by using the Track Up or Track Down buttons

— Tap on Save Playlist to store the new playlist in the Playlist tab of the Music Library screen

— Tapping on Save and Play both saves the playlist and starts it playing

Tap on Back to change the name of the playlist

now playing music library

## 1.10 Clear Now Playing Tracklist

To clear the tracks in the Now Playing Tracklist, tap the Menu tab.

The Now Playing Tracklist screen will appear, followed by a choice: Playlist Cleared. Pick Another Album?

Tap either Yes or No.

Tap the Clear Now Playing Tracklist option on the Menu

now playing : menu

- ▶ Clear Now Playing Tracklist...
- ▶ Save Now Playing Tracklist...
- ▶ Create Random Playlist...
- ▶ Create New Playlist...
- ▶ Edit Existing Playlists...
- ▶ Assign Playlists to Genre...
- ▶ Search for Album or Track...
- ▶ Ripping and Encoding...
- ▶ Advanced Options...

close

now playing music library

Tap on Yes, will take you back to the Music Library

Tap on No, will leave you on a blank Now Playing screen

now playing : menu

- ▶ Clear Now Playing Tracklist...
- ▶ Save Now Playing Tracklist...
- ▶ Create Random Playlist...
- ▶ Create New Playlist...

Tracklist Cleared. Pick Another Album?

Yes No

▶ Advanced Options...

close

now playing music library

# 1. How To

## 1.11 Create a Playlist

To select tracks and save them, carry out the following steps:

Tap the Menu tab.

Tap Create New Playlist.

On the Name Playlist screen, tap the letters on the keyboard to create playlist name.

Tap Select Method. This saves the name and takes you to the Select Method screen.

You can create a playlist using a choice of four different routes:

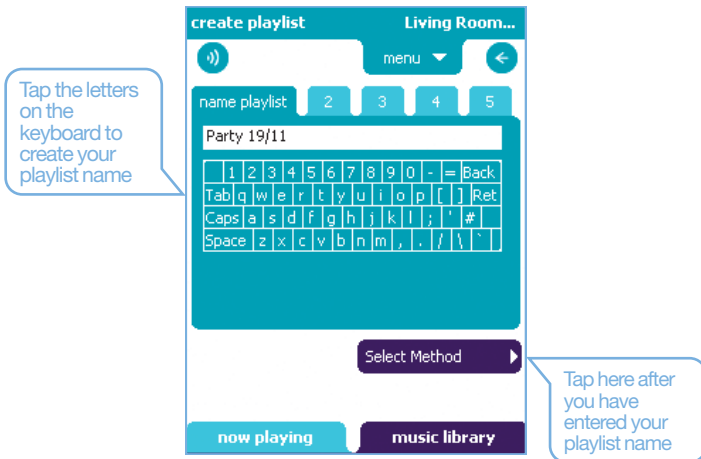
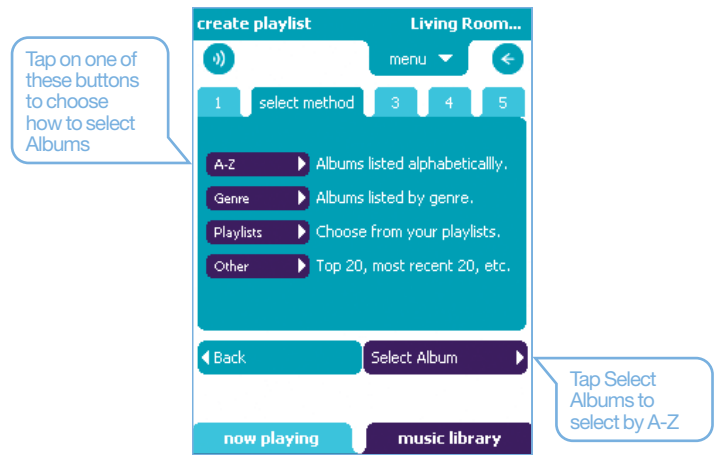
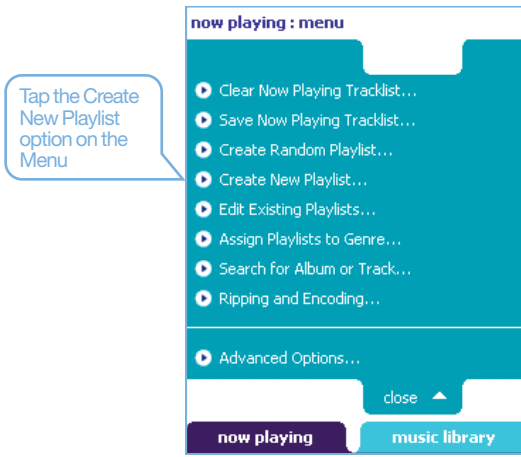
A-Z — in which the albums are listed alphabetically.

Genre — in which you can select via a genre.

Playlists — in which you can pick from your favourites.

Other — which gives you a variety of choices based on your listening patterns.

Most people will most often use the A-Z screen, so we've used this as an example. Other methods follow the same navigational principles. For more details of how to use them, please consult the Reference Section of this User Guide:



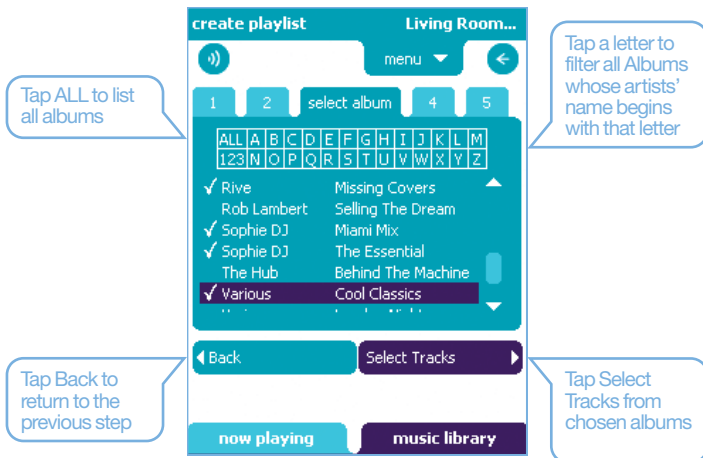
# 1. How To

Use the alphabet to select either All artists, arranged alphabetically, or select a specific letter to select the first letter of an artist.

Select albums by tapping on the albums you are interested in. A tick will appear beside your selection.

You can deselect by tapping again on the album. The tick will disappear.

When you're ready, tap Select Tracks.



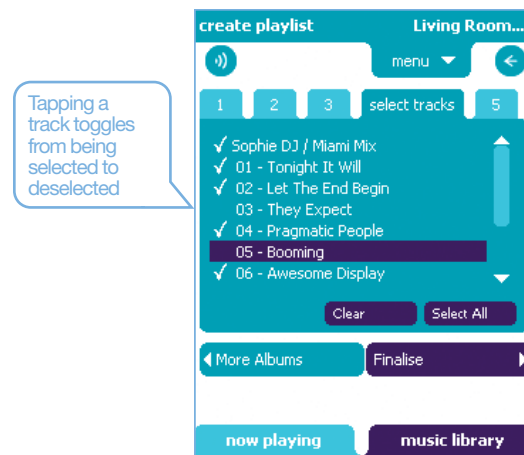
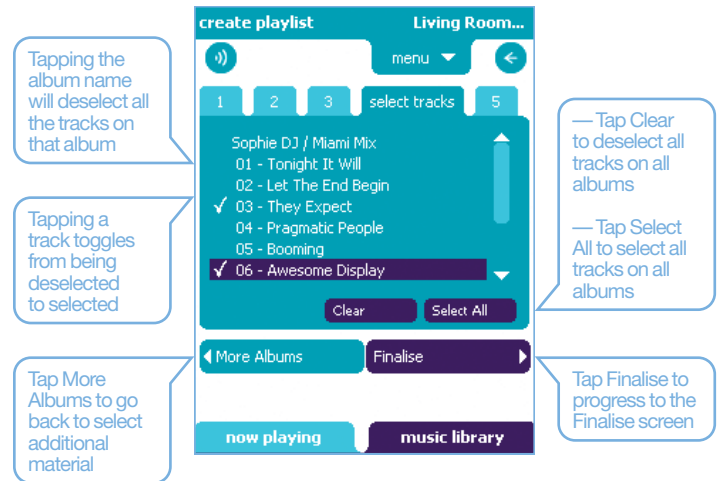
On the Select Tracks screen, you can edit your selections in one of four ways:

1. Tap on the album name. This will deselect all the tracks on that album. The ticks beside the track names will disappear. You can then select the specific tracks you want from that album by tapping them. A tick will appear beside your selections.
2. Tap on each individual track. This will deselect it and the tick will disappear. Work your way through the list until complete. If you wish to reselect a track, simply tap on it. A tick will appear
3. Tap the Clear button. This will deselect all tracks on all albums. You can then select each track individually. Ticks will indicate your selections.
4. Tap the Select All button. This is an override function that lets you go back to the beginning of the selection process. Ticks will appear beside all albums and tracks.

Once you've completed your selections for this screen, you can either:

Tap More Albums to select additional material for your playlist. This will take you back through the same process you've just been through.

Or, tap Finalise. This takes you to the Finalise screen.



# 1. How To

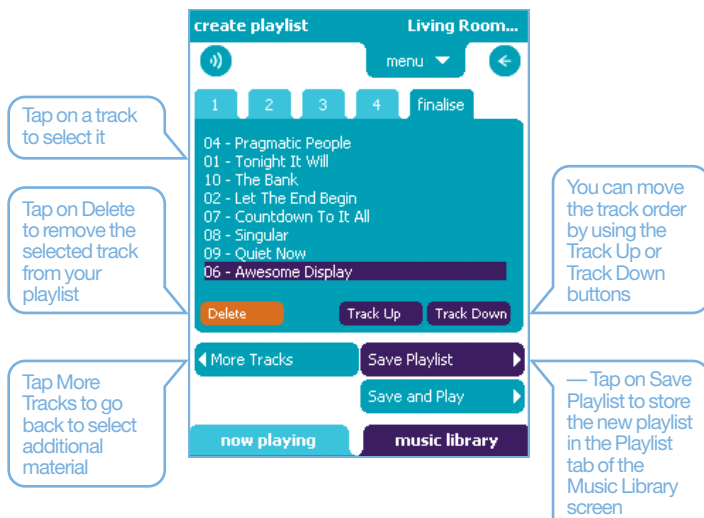
On the Finalise screen you can move the track order by tapping on the Track Up or Track Down buttons.

You can also delete tracks you don't want by highlighting them and tapping the red Delete button.

You can also go Back and change the name of the playlist.

When you're ready, you can either tap on Save Playlist to store the new playlist in the Playlist tab of the Music Library screen.

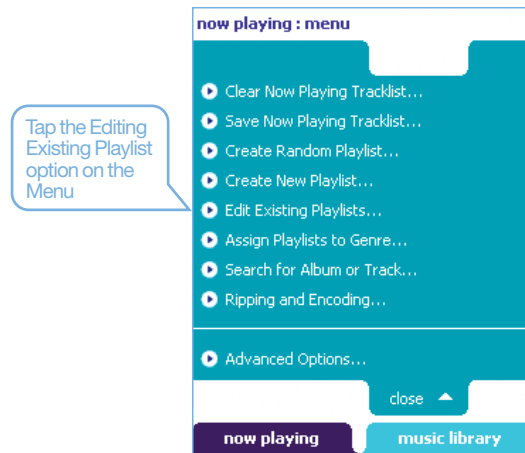
Or you can tap Save and Play.



## 1.12 Edit Existing Playlist

You can edit a playlist you created earlier by following these steps.

Tap the Menu tab.

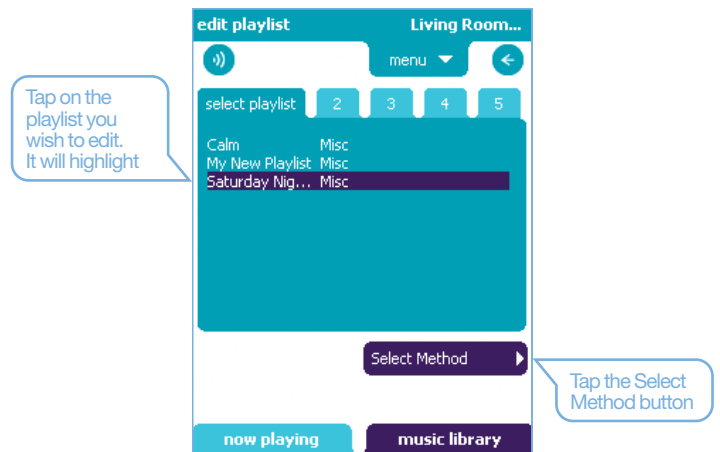


Tap Edit Existing Playlist. The Select Playlist screen will appear.

Tap on the playlist you wish to edit. It will highlight.

Tap the Select Method button.

This will take you to the Select Method screen.



# 1. How To

You can edit your playlist using a choice of four different routes:

**A-Z** — in which the albums are listed alphabetically

**Genre** — in which you can select via a genre

**Playlists** — in which you can pick from your favourites

**Other** — which gives you a variety of choices based on your listening patterns

**edit playlist** Living Room...

1 select method 3 4 5

- A-Z ▶ Albums listed alphabetically.
- Genre ▶ Albums listed by genre.
- Playlists ▶ Choose from your playlists.
- Other ▶ Top 20, most recent 20, etc.

Back Select Album

now playing music library

Tap on one of these buttons to choose how to select albums

Tap Select Albums to select by A-Z

**create playlist** Living Room...

1 2 select album 4 5

ALL A B C D E F G H I J K L M  
123 N O P Q R S T U V W X Y Z

- ✓ Rive Missing Covers
- Rob Lambert Selling The Dream
- ✓ Sophie DJ Miami Mix
- ✓ Sophie DJ The Essential
- The Hub Behind The Machine
- ✓ Various Cool Classics

Back Select Tracks

now playing music library

Tap ALL to list all albums

Tap a letter to filter all albums whose artists' name begins with that letter

Tap an album toggles from being selected to deselected

Tap Back to return to the previous step

Tap Select Tracks from chosen albums

The existing playlist tracks will be listed on the Select Track screen. Under them will be your new selections.

You can select or deselect any track by tapping on it. A tick indicates that the track is selected.

You can also use the Clear or Select All button to help.

Or, tap Finalise. This takes you to the Finalise screen.

**edit playlist** Living Room...

1 2 3 select tracks 5

- ✓ Misc / Saturday Night Special
- ✓ 01 - Tonight It Will
- ✓ 02 - Let The End Begin
- ✓ 03 - They Expect
- ✓ 04 - Pragmatic People
- ✓ 05 - Booming
- ✓ 06 - Awesome Display

Clear Select All

More Albums Finalise

now playing music library

Tap Clear to deselect all tracks on all albums

Tap Select All to select all tracks on all albums

Tap More Albums to go back to select additional material

Tap Finalise to progress to the Finalise screen

On the Finalise screen you can change the track order by using the Track Up or Track Down buttons.

You can also delete tracks you don't want by highlighting them and tapping the red Delete button.

You can also tap Back to change the name of the playlist.

**create playlist** Living Room...

1 2 3 4 finalise

- 04 - Pragmatic People
- 01 - Tonight It Will
- 10 - The Bank
- 02 - Let The End Begin
- 07 - Countdown To It All
- 08 - Singular
- 09 - Quiet Now
- 06 - Awesome Display

Delete Track Up Track Down

More Tracks Save Playlist

Save and Play

now playing music library

Tap on a track to select it

Tap on Delete to remove the selected track from your playlist

Tap More Tracks to go back to select additional material

You can move the track order by using the Track Up or Track Down buttons.

Tap on Save Playlist to store the new playlist in the Playlist tab of the Music Library screen

Tap on Save and Play both saves the playlist and starts it playing



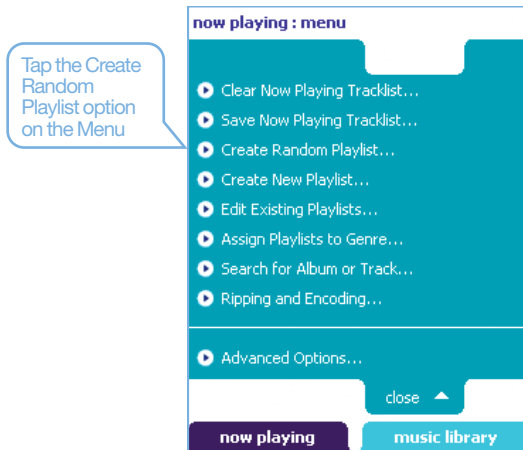
# 1. How To

## 1.13 Create Random Playlist

Random playlisting is like programming your own radio station.

To create a random playlist tap the Menu tab at the top of either the Now Playing or Music Library screen.

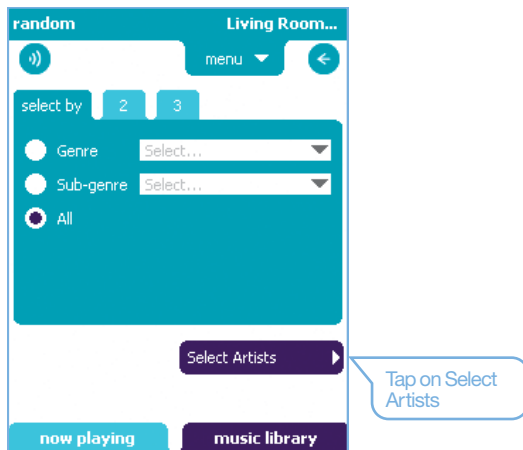
Tap the Create Random Playlist option.



This will take you to a selection screen, with Genre, Sub-genre, or All as options.

ALL is the default setting. (We will use this as an example of how to create a random playlist).

Tap on Select Artists.

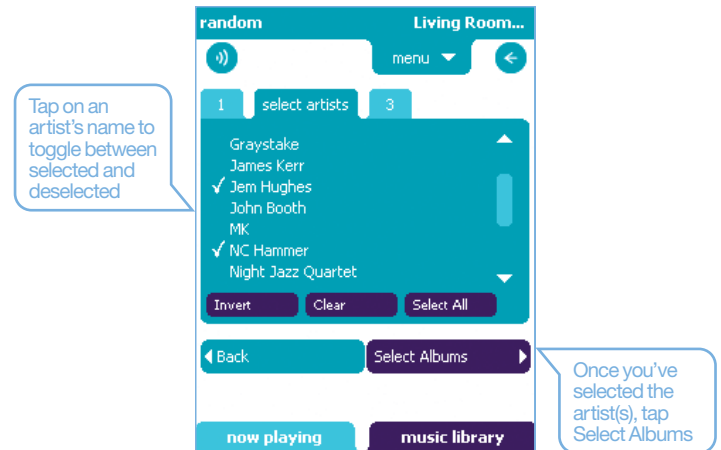


A list of all artists will appear.

You can accept these selections by tapping the Select Albums button.

Or you can deselect artists by tapping on their name. The ticks will disappear.

Then tap Select Albums.



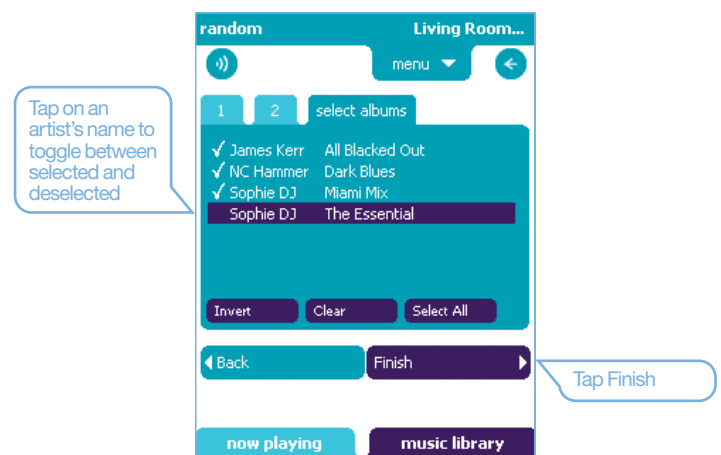
A list of all albums by selected artists will appear.

You can select Finish and your playlist will be complete.

Or deselect albums by tapping on their names. The ticks will disappear.

Then tap Finish. Your playlist will be complete.

To save a random playlist, use Save Now Playing Tracklist procedure 2.6.



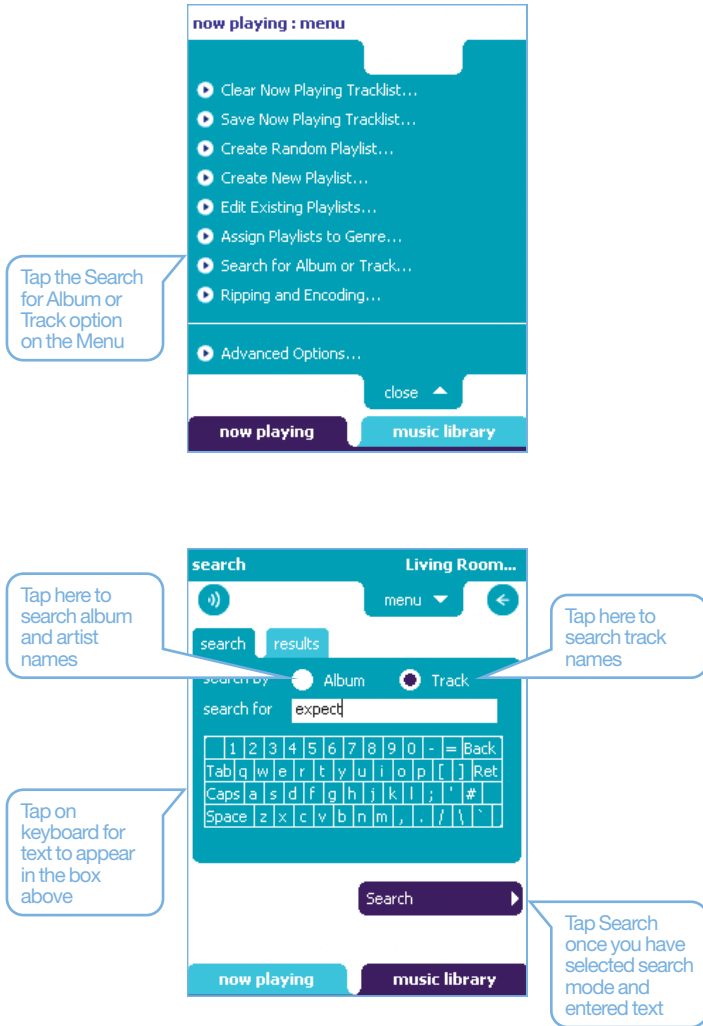
# 1. How To

## 1.14 Search for Album or Track

To search for an album or track, tap the Menu tab.

Tap on Select Album or Track. You will come to the Search screen.

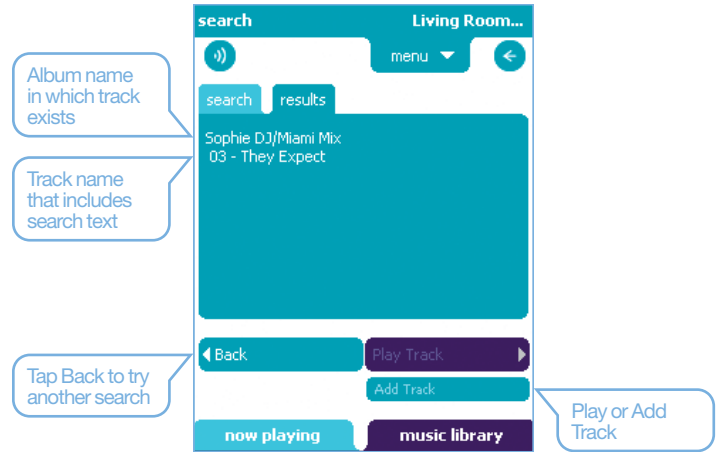
Here you can either search by Album or Track by selecting in the 'search by' selection mode.



The search function will find any album or track information (depending on the mode you select) your word or phrase appears in. It will take you to the Results tab.

Highlight your selection and either Play Track or Add Track to the Now Playing Tracklist.

Alternatively, you can tap Back to try another search.



Using the keyboard, type in the name of the album or track you wish to locate.

Then tap the Search button.

## 2. Reference Guide

—

**This is the Reference Section of the User Guide.** Because the DigiFi™ interface is a sophisticated software solution, it is not practical to provide step-by-step instructions (as the 'How To' section does) on operation. However, this Reference Section is designed to provide the key information you will need to operate the interface.

## 2. Reference Guide

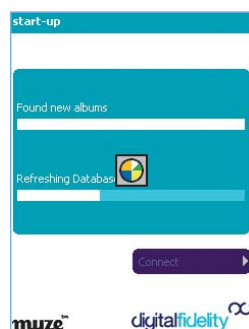
### 2.1 Switching On and Off

#### Summary

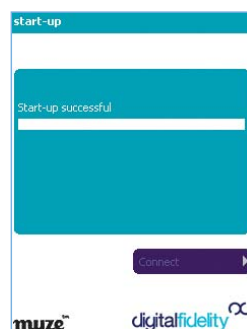
- The server is switched on by pushing the power button. A blue light will illuminate and the blue LED to its left will flash. After approximately 15 seconds the flashing will stop and the server is ready to use.
- To start the interface on your PDA, press Button 1 (the left hand button on the PDA).
- While starting up, progress is displayed on the Interface. If new albums have been ripped since the PDA was last refreshed, the Interface will automatically update these.
- If music is playing on the server then the Interface will start at the Now playing screen. Otherwise it will start in the Music Library.
- If for any reason the Interface cannot communicate with the server, the start-up failed screen will appear.
- To exit the interface on your PDA press Button 1 (the left hand button)
- The server is switched off by pushing the power button. The blue LED to the left of the power button will flash. After approximately 15 seconds the flashing will stop and the blue power button will go off. If for any reason the power button does not turn off push and hold the power button until the blue light goes off; approximately 5 seconds.



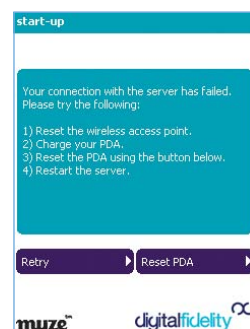
Start Up —  
Initialising



Start Up —  
Refreshing



Start Up —  
Successful



Start Up —  
Unsuccessful

## 2. Reference Guide

### 2.2 Now Playing

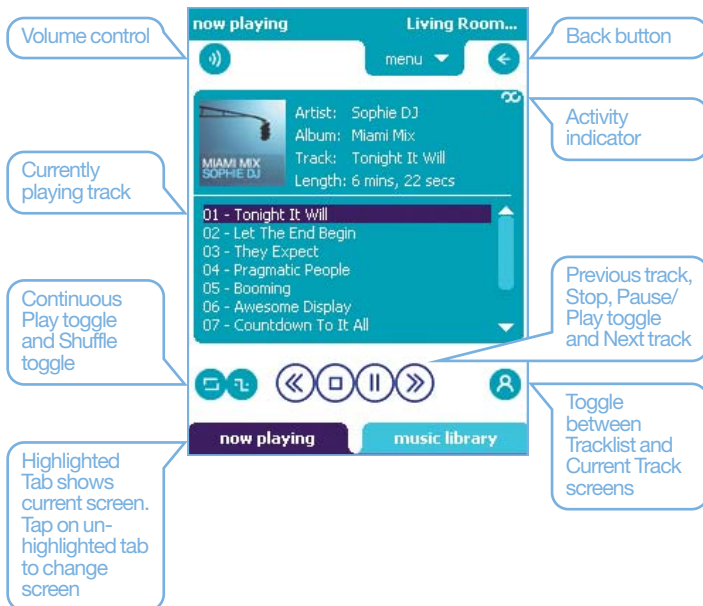
#### Summary

- The Now Playing screens are your view on what is playing in selected room.
- There are two formats of screen: the Tracklist view and the Current Track view.
- Both views have the same controls: Play, Stop, Pause, Skip back, Skip forward, Volume, Continuous play and Shuffle.
- The Current Track view also has a track progress bar, which can be used to move backwards and forwards within the current track.
- The Activity Indicator appears on both screen formats. When the indicator is visible the Interface is communicating with your server. The controls will momentarily not respond at this time.
- From this view you can also move to the music library and via the menu, the next level of options.

#### 2.2.1 General Controls

General view of the Now Playing – Tracklist screen highlighting the available controls.

Please note the Activity indicator. When the Activity indicator is visible the Interface is communicating with the server and other controls will not respond.



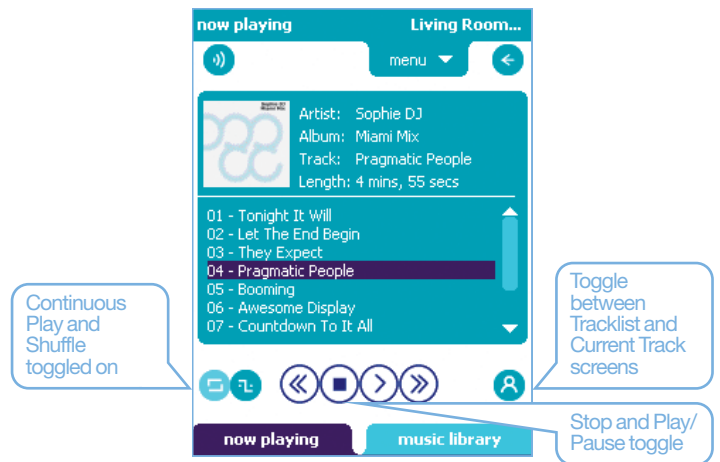
#### 2.2.2 Select a Track

Now Playing – Tracklist screen. Tap on a track and that track will start to play.



#### 2.2.3 Toggle Controls

Now Playing – Tracklist screen showing that some controls act as toggles. Tapping on these controls changes the state of the control.



## 2. Reference Guide

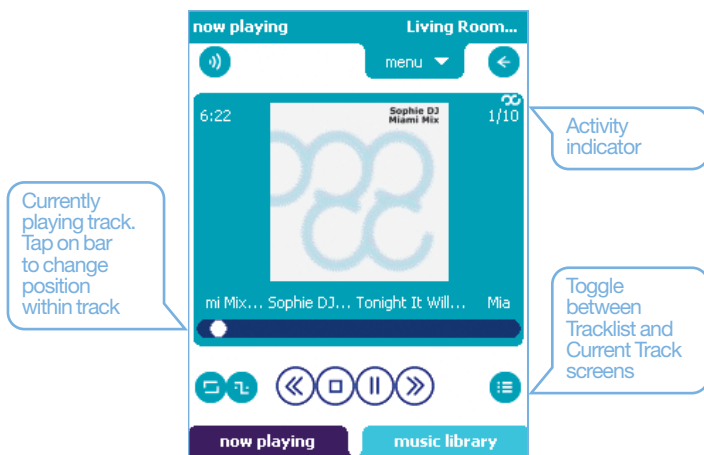
### 2.2.4 Volume Control

Now Playing – Tracklist screen showing the volume control. Tap on control to activate. Volume can be adjusted by either sliding the indicator or tapping on the desired position. Tap on control to de-activate.



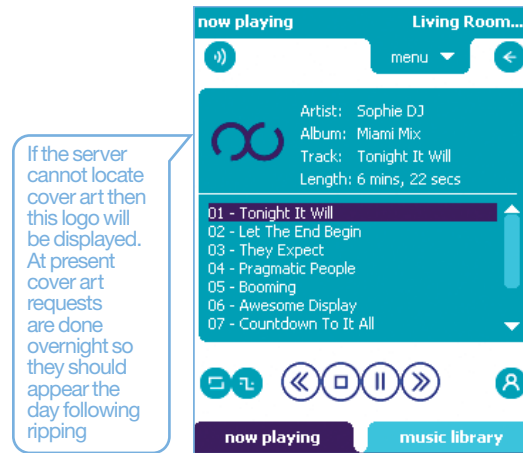
### 2.2.5 Current Track View

General view of the Now Playing – Current Track screen. This screen is reached by using the toggle in the bottom right of the screen. The slider can be used to change the position within the currently playing track.



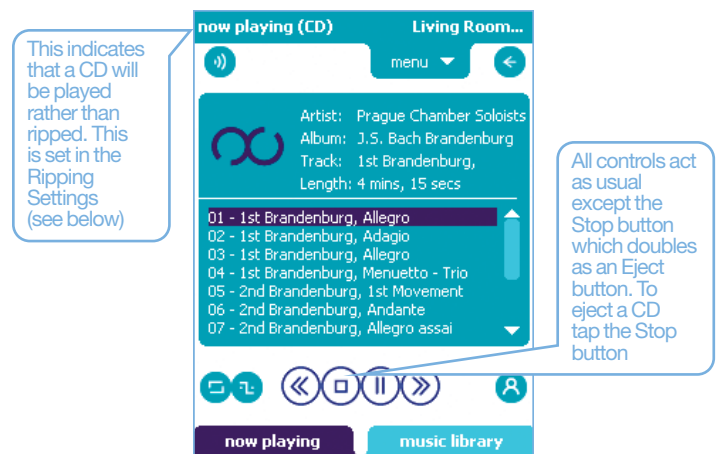
### 2.2.6 No Album Cover

Now Playing – Tracklist screen showing the display while an album cover cannot be located.



### 2.2.7 Playing a CD

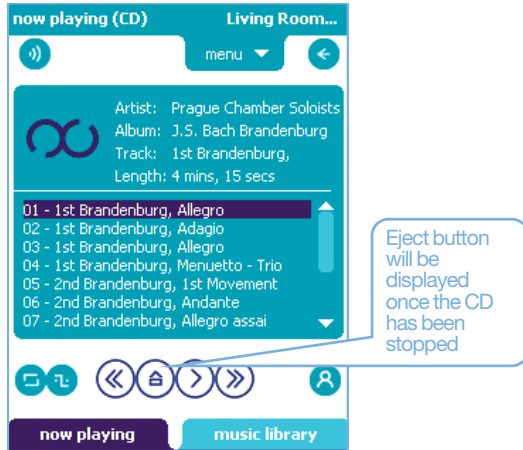
Now Playing – Tracklist screen showing the differences in display when playing a CD. All controls act as usual except the stop button which doubles as an eject button. To eject a CD tap the Stop button.



## 2. Reference Guide

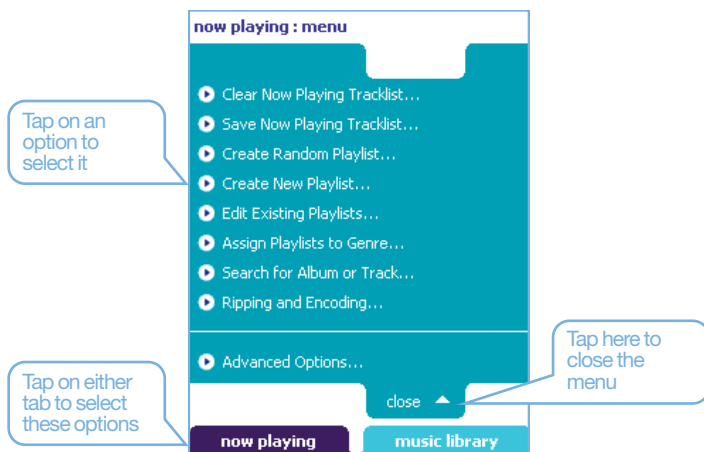
### 2.2.8 Eject a CD when Finished Playing

Now Playing – Tracklist screen showing that while playing a CD the Stop icon toggles with Eject.



### 2.2.9 Menu

Menu screen showing the list of possible options in the next level of the interface. Tap on an option to select it.



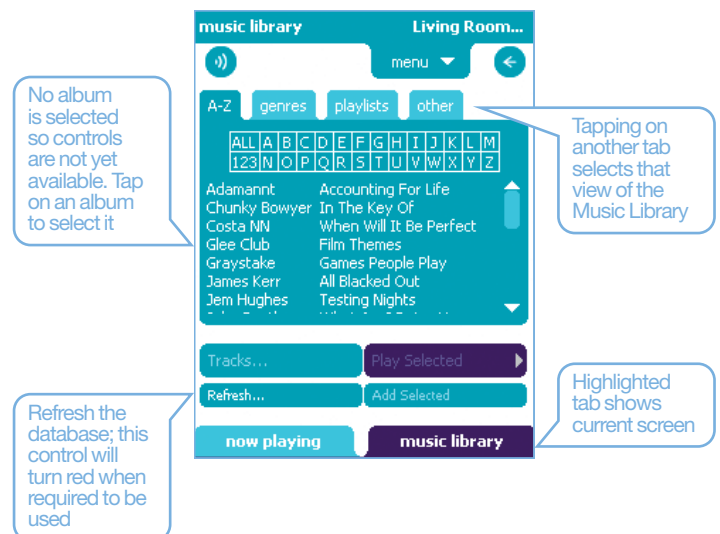
### 2.3 Music Library

#### Summary

- The music library is the place to find your music.
- To play an album, tap on the album name to select it. Then tap on the Play Selected button. The album will start playing and you will be taken to the Now Playing screen.
- If you want to play a track, select an album. Then tap on the Tracks button to view tracks. Highlight your required track. Tap on Play track.
- You can also add the album or track to the Tracklist. This is an easy way of building up an adhoc Playlist.
- The tabs to Genres, Playlists and Other give you alternate methods of finding your music.
- The Refresh button is there to update your Music Library with any new CDs you may have ripped. The Refresh button will turn red when required.
- Other options such as creating your own playlist can be accessed via the drop-down menu.

#### 2.3.1 A-Z— General

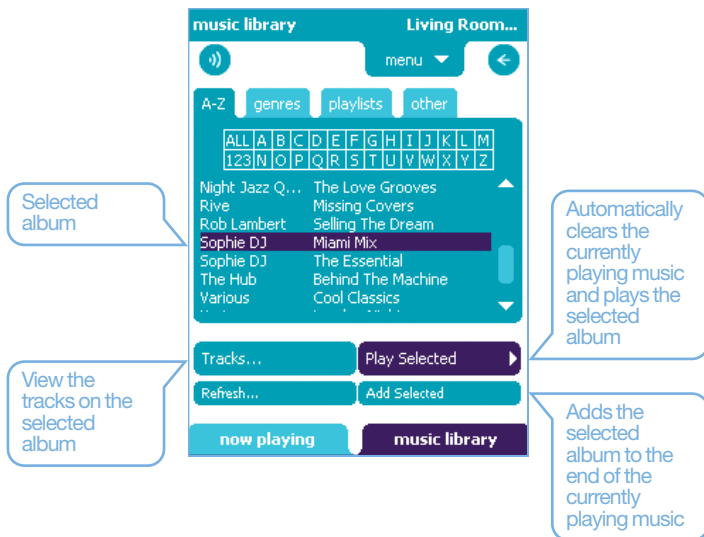
General view of the Music Library – A-Z screen before an album has been selected. Tap on an album to select it.



## 2. Reference Guide

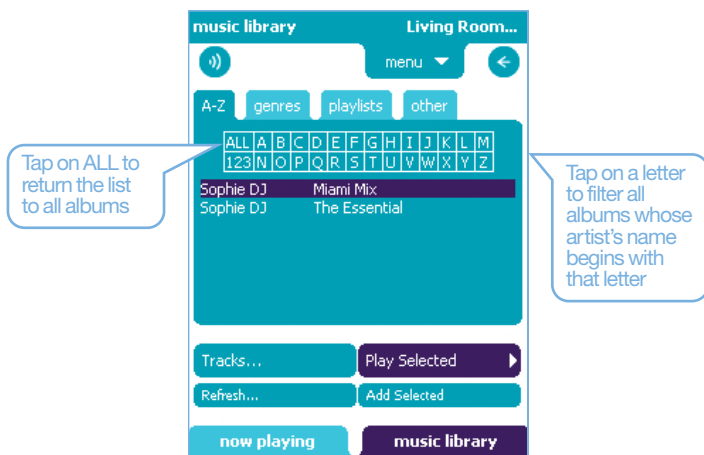
### 2.3.2 A-Z — Select an Album

General view of the Music Library – A-Z screen after an album has been selected. Now an album can be played by tapping on the Play Selected button, or queued by tapping on the Add Selected button, alternatively the tracks of the selected album can be viewed by tapping on the Tracks Button.



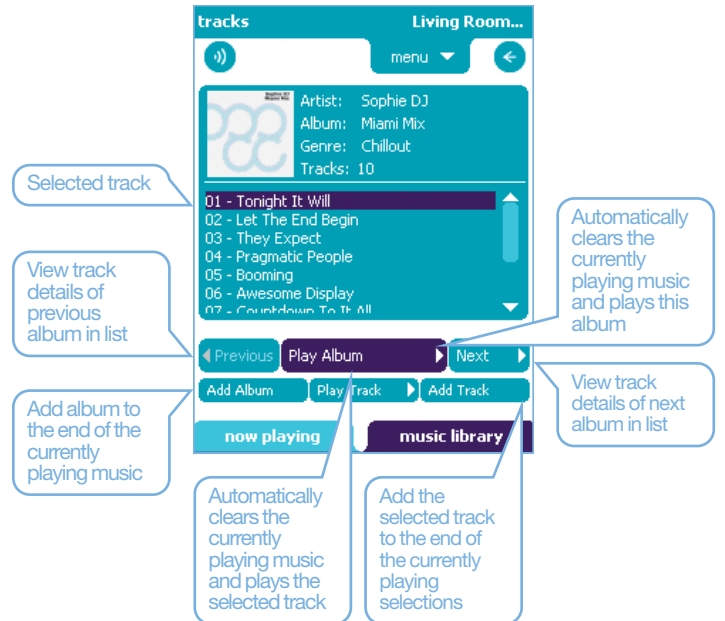
### 2.3.3 A-Z — Filter List

Music Library – A-Z screen showing a filtered list of albums. Tap on a letter to filter all albums whose artists name begins with that letter.



### 2.3.4 Tracks

Music Library – tracks screen showing the tracks for a selected album. A number of track-based operations can be performed. The user can also skip through their collection without returning to the album list by tapping on the Next and Previous buttons.



### 2.3.5 Genres

Music Library – Genres screen showing the current Genre list. Tap on a Genre to view the albums assigned to that genre.

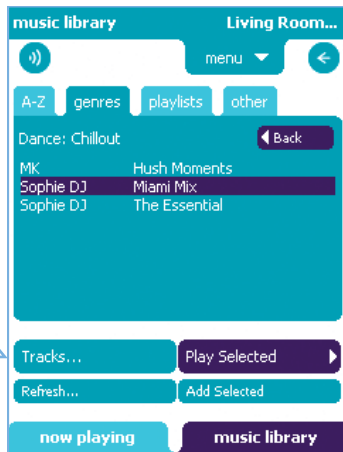




## 2. Reference Guide

### 2.3.6 Genre Selected

Music Library – Genres screen showing the albums assigned to the selected Genre. Now an album can be played by tapping on the Play Selected button, or queued by tapping on the Add Selected button. Alternatively the tracks of the selected album can be viewed by tapping on the Tracks Button.

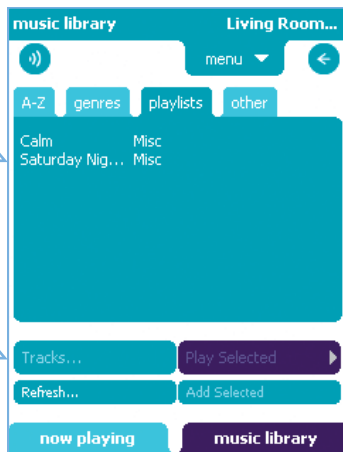


Tap here to go back to the full list of genres

All functionality identical to A-Z album selection

### 2.3.7 Playlists

Music Library – Playlists screen showing all the Playlists created by the user. Now a Playlist can be played by tapping on the Play Selected button, or queued by tapping on the Add Selected button. Alternatively the tracks of the selected Playlist can be viewed by tapping on the Tracks Button.

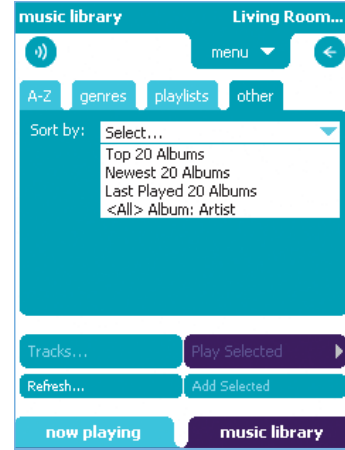


Any playlist that you create will appear here

All functionality identical to A-Z album selection

### 2.3.8 Other — List

Music Library – Other screen showing the list of options available.



Tap here to reveal the list of options

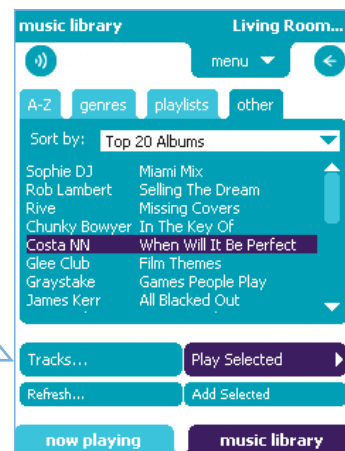
Tap on one of the options to select it

The other options are:

- Top 20 — The albums played the most often
- Newest 20 — The most recently ripped CDs
- Last played 20 — The albums that you played the most recently
- Album: Artist — Music sorted first by Album Name, then Artist

#### 2.3.8.1 Other — Top 20 Album

Music Library – Other Top 20 Albums screen. This option will select the 20 albums you've played most often. Now an album can be selected then played by tapping on the Play Selected button, or queued by tapping on the Add Selected button. Alternatively the tracks of the selected album can be viewed by tapping on the Tracks Button.



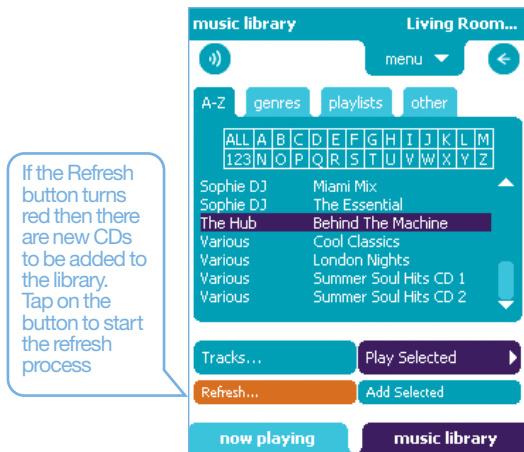
Tap here to reveal the list of options

All functionality identical to A-Z album selection

## 2. Reference Guide

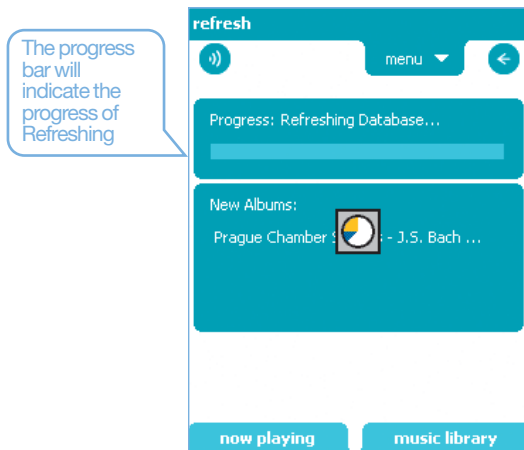
### 2.3.9 Refresh

Music Library – General screen. On all Music library screens there is a Refresh button. If the Refresh button turns red then there are new CDs to be added to the library. Tap on the button to start the refresh process.



### 2.3.10 Refresh—Progress

Music Library – Refresh progress screen. This screen displays the progress of the Refresh operation. Once complete, the screen will return to the Music Library.



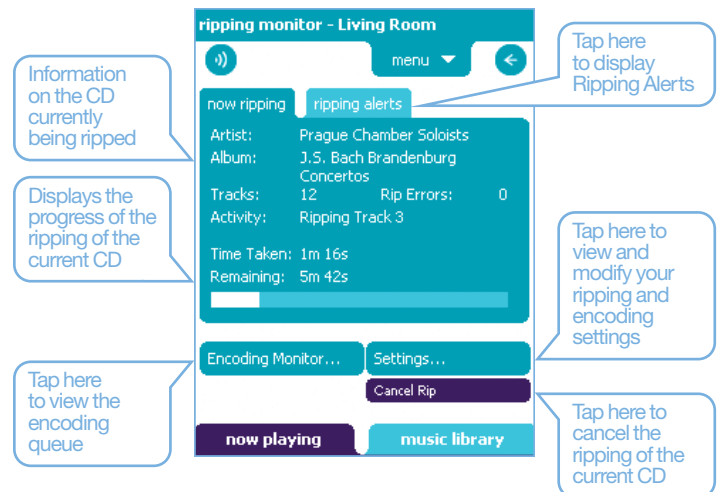
## 2.4 Ripping and Encoding

### Summary

- Ripping is achieved by putting a CD in the CD tray of your server and waiting for the CD to be ejected. No further user intervention is required. This process usually takes between 5 and 10 minutes depending on the CD.
- The ripping process can be monitored from the Now Ripping screen, accessed via the menu or by pressing Button 4.
- The ripping settings can be accessed from the Now Ripping screen and alternate encoding methods can be selected, or no encoding, plus a number of different parameters described below.
- The 'high quality' and 'low quality' tabs comprise four settings, which affect the quality of the tracks stored on the DigiFi™ unit. The 'low quality' settings are reserved for future use and cannot currently be accessed.
- Generally speaking the higher the quality of the tracks, the more space they will take up on the DigiFi™ memory.

### 2.4.1 Now Ripping

This screen allows you to monitor the progress of the CD currently being ripped.



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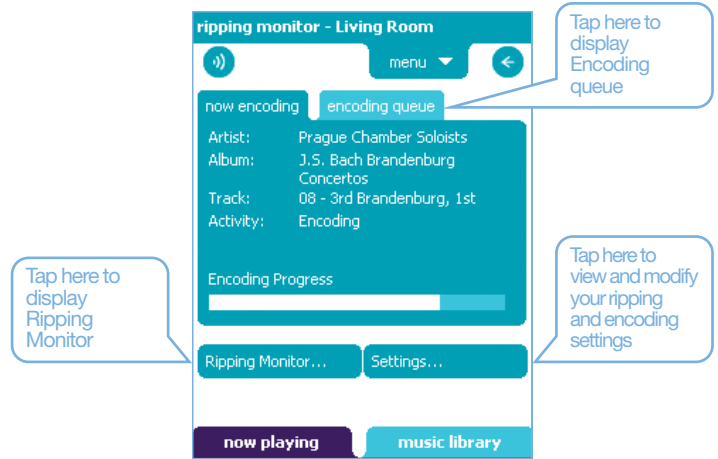
### 2.4.2 Now Ripping — Copyright Notice

Now Ripping monitor screen with copyright notice. The following notice will appear when CD information is being looked up.



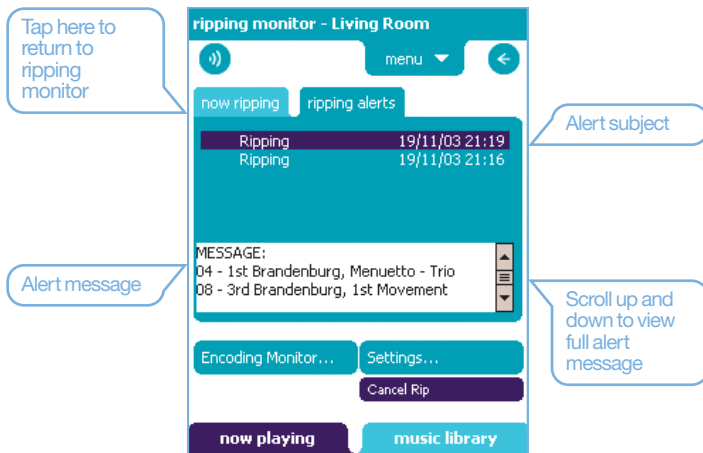
### 2.4.4 Now Encoding

If you have selected to have your tracks encoded then this screen allows you to monitor which track is currently being encoded.



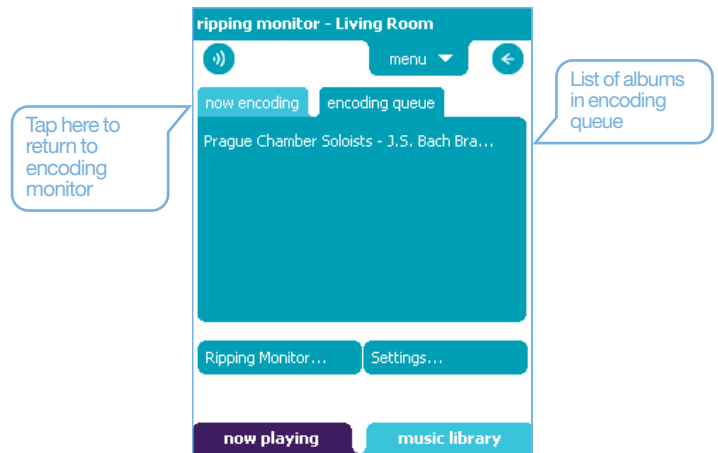
### 2.4.3 Ripping Alerts

This screen displays any alert messages that the ripping service has raised, the majority will be confirmations of which CDs have been ripped.



### 2.4.5 Encoding Queue

If you have selected to have your tracks encoded then this screen allows you to monitor which of the ripped CDs the server still has to encode.



## 2. Reference Guide

### 2.4.6 Ripping settings — Grab

This screen is used to set the behaviour of the ripping service if it encounters an error while ripping a CD.



When a CD is ripped, DigiFi™ uses a 'Grab Preset' to determine how it is ripped. The preset determines how fast the data of the CD is read and how many attempts are made to re-read the information if the CD is scratched or damaged. There are 4 presets; Burst, Synch, Secure and Paranoid. Burst will rip the CD fastest and Paranoid the slowest. For example, the Burst Preset will rip most CD's in less than 10 minutes. Paranoid can take many hours (depending on the condition of the CD).

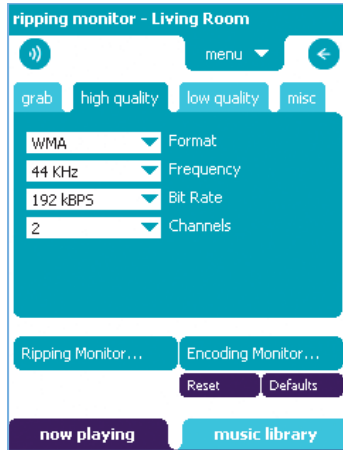
- Default Grab Preset — This will be used when DigiFi™ first attempts to rip a new CD. This should be left as Burst, since this is fine for 99% of CDs.
- Max Grab — If the checkbox 'Escalate on error' is checked and a read error is encountered on a CD, the DigiFi™ will start the ripping process again (for the current track) using the next grab preset. i.e. it will switch from Burst to Synch, or from Synch to Secure. This feature allows you to control the last preset, which will be picked in this manner.

- Read error behaviour — If DigiFi™ encounters an error while ripping a CD and the error cannot be fixed by switching to a slower grab, preset (or if 'Escalate on error' is not set) then it will use this setting to determine what action to take. It can be one of the following
  - Abort Album. The ripping of the current track will end and the rip of the entire album will be cancelled. No music will appear in your Music Library.
  - Abort Track. The ripping of the current track will end in failure and DigiFi™ will attempt to rip the next track on the CD.
  - Use Substitution. DigiFi™ will apply a substitution for the data it cannot read from the CD (Using the 'Substitution Type' setting) and will then attempt to read the rest of the track. This is the recommended setting.
- Substitution Type — If DigiFi™ encounters an error while ripping a CD and the 'Read Error Behaviour' is set to 'Use Substitution', this setting is used to determine how to handle the data which could not be read from the CD. It can be one of the following:
  - Silence. A period of silence will be placed in the ripped track of the same length as the information which could not be read. The final ripped track will be the same length as the original track from the CD.
  - Cut. The information which is unable to be read will be removed from the ripped track. This will create an audio artefact of 'jumping', and the ripped track will be shorter in length than the track from the original CD.
  - Correct. DigiFi™ will attempt to correct the information which is unable to be read, based on information read previous to the error. The final ripped track will be the same length as the original track from the CD.
  - Escalate on error — If this checkbox is set then DigiFi™ will pick a slower grab preset when an error is encountered. If this checkbox is cleared then the action associated with 'Read Error Behaviour' will be used.

## 2. Reference Guide

### 2.4.7 Ripping Settings — High Quality

This screen is used to select the format you wish your ripped music to be stored as.

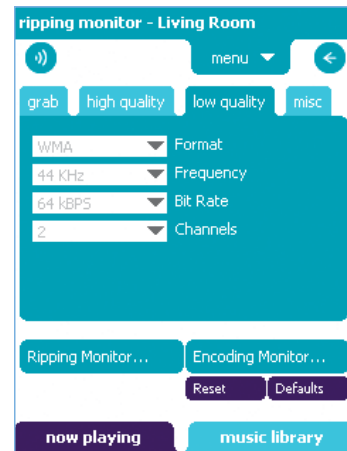


- Format — This setting controls the format in which the music will be stored on the DigiFi™. It can be one of the following:
  - WAV. Tracks stored in WAV format are of the same quality as the original CD and they take up the most space. Unlike other formats, WAV tracks are not compressed so as to preserve the original clarity of the CD.
  - WMA. WMA files are compressed (or encoded) using an audio format supplied by Microsoft™. High bit rate WMA tracks will be virtually indistinguishable from the original CD tracks, but will take up about 1/10 th of the space as WAV files.
  - MP3. MP3 files are compressed (or encoded) using the popular MP3 format. Generally speaking MP3 tracks are about the same size as WMA encoded tracks.

- Frequency – This setting controls how many samples of audio data per second are stored in the ripped track. A higher frequency will result in a more accurate representation of the CD audio but the resultant track will take up more space. A frequency of 44 KHz used with the WMA format produces tracks which are accepted as being close to the original recording.
- Bit Rate – This setting controls how much audio information is stored in each audio sample. A higher bit rate will result in a more accurate representation of the CD audio but the result track will take up more space. A bit rate of 192KBps used with the WMA format produces tracks which are very close to the original recording.
- Channels – This setting controls whether the ripped track will be in Stereo (2) or Mono (1).

### 2.4.8 Ripping Settings — Low Quality

The low quality settings will be used for music on low bandwidth clients and external devices such as MP3 players. These features are not implemented yet.



## 2. Reference Guide

### 2.4.9 Ripping Settings — Misc

This screen allows you to change miscellaneous settings used in the ripping and encoding processes.

**Use Normalisation** — Normalisation is the process of setting the maximum amplitude for all tracks the same. This process will have the effect of making all CDs appear to have the same volume range.

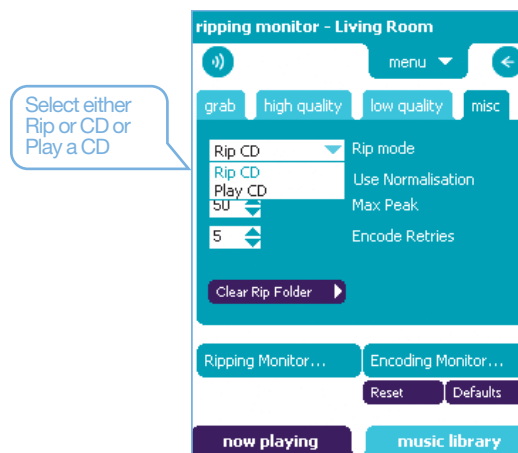
**Max Peak** — The value of the maximum amplitude used in the normalisation process. 98% is a good value.



- Rip mode — Either Rip a CD or Play a CD
- Clear Rip Folder — Sometimes the ripping folder can get blocked with a damaged CD. If you are having problems ripping a CD then try this function.

### 2.4.10 Ripping Settings — Play a CD

The rip mode is used to tell the server what action to take when a CD is inserted. To play a CD set the rip mode to Play CD by tapping on this option on the drop down list. You will have to return to this screen to revert the setting to Rip a CD.



## 2.5 Clear Now Playing Tracklist

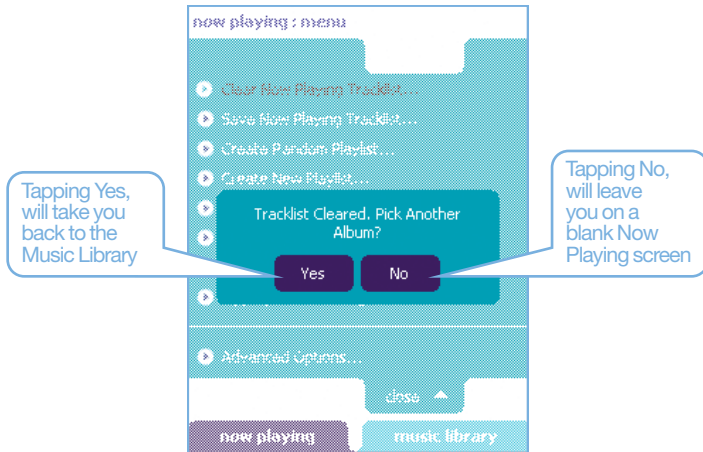
### Summary

- From the menu, tap on Clear Now Playing Tracklist.
- This function stops the current Tracklist playing and clears it from the server.
- It is important to run this function periodically before leaving the server overnight so that any upgrades can be applied. The server will not be upgraded if it is playing music. See Scheduled tasks and upgrading, 2.23 & 2.24.

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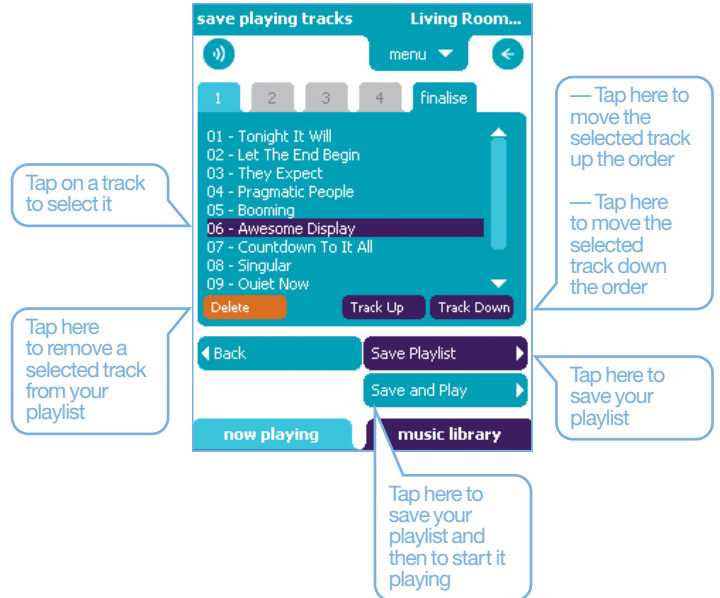
### 2.5.1 Clear Tracklist

This screen will appear if you select Menu from the Now Playing screen and, from the menu, the option Clear Now Playing Tracklist.



### 2.6.2 Finalise

This screen provides various methods of modifying your Playlist prior to saving.



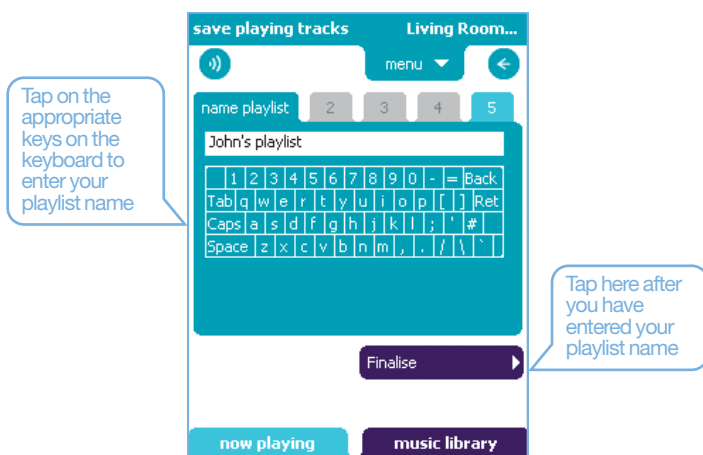
## 2.6 Save Now Playing Tracklist

### Summary

- From Menu tap Save Now Playing Tracklist.
- Save Now Playing Tracklist allows you to save the currently playing tracklist as a Playlist which can be listened to again.
- You can change the order of tracks or remove tracks, before saving.

### 2.6.1 Name Playlist

Use this screen to name your Playlist.



### 2.7 Create Random Playlist

#### Summary

- From the menu, tap on Create Random Playlist.
- This feature creates a playlist of tracks selected randomly from the albums you select.
- Start by either selecting ALL albums or reducing the list by selecting a genre or sub-genre.
- The interface then presents you with a list of all the Artists within your selection. You can then select and de-select.
- You are then presented with a list of albums from those artists, which you can again edit.
- Finally the interface selects a list of tracks.
- A playlist can be created very quickly by just selecting the button to move to the next screen.
- A setting in the Advanced Settings screen controls the maximum length of the playlist.

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### 2.7.1 Select By

Use this screen to filter the list of Artists that you want the server to select music from.

ALL selects all artists. By selecting Genre or Sub-genre you limit the artists to those with albums assigned to the chosen genre or sub-genre

Tap here to confirm lists of artists

### 2.7.2 Sub-Genre List

This screen demonstrates that if you select either Genre or Sub-genre you will be presented with a drop down list from which you select an option by tapping on it.

Tap on Sub-genre to select from list

### 2.7.3 Select Artists

This screen presents you with a list of Artists determined by your initial selection. You can either accept the list by tapping on Select Albums, or select and de-select Artists. Then tap on Select Albums.

Tapping on an artist's name toggles the artist from being selected or deselected

Invert toggles all the selected Artists to be deselected and vice versa

Tap here to confirm lists of albums by the selected artists

Tapping on Clear results in all artists becoming deselected

Tap here to confirm lists of artists

### 2.7.4 Select Albums and Finish

This screen presents you with a list of Albums determined by your initial selections. You can either accept the list by tapping on Finish, or select and de-select Albums, then tap on Finish.

Tapping on an album name toggles from being selected or deselected

Invert toggles all the selected albums to be deselected and vice versa

Tap here to return to the list of artists

Tapping on Clear results in all albums becoming deselected

Tap here to create a random set of tracks selected from your selected albums

Tap here to confirm lists of albums by the selected artists



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### 2.8 Create New Playlist

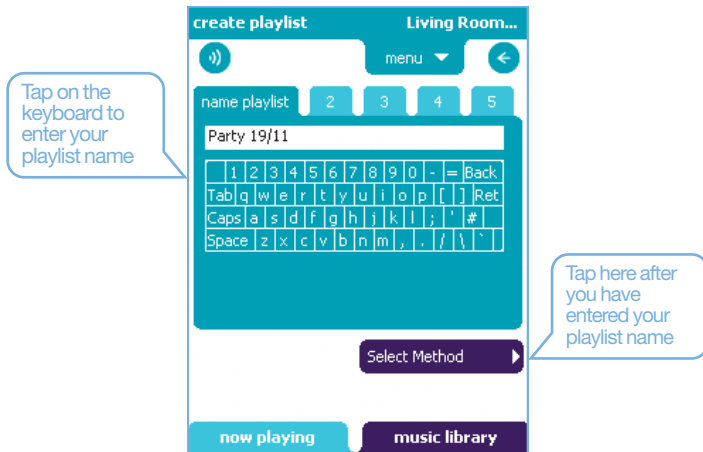
#### Summary

The basic steps in creating a playlist are:

- Enter a name for your playlist.
- Select a method (A-Z, Genre, Playlists or Other) for how you want to find the albums from which you want to select tracks. You can select some albums using one method then go back change the method and select more albums using a different method.
- Select albums using the chosen method by tapping on the albums from which you want to select tracks for your playlist.
- Select tracks from selected albums. By default for each of the selected Albums all tracks will be selected. You can either de-select the tracks you don't require or de-select all tracks by tapping on the Album name and then select just the tracks you want.
- Finalise playlist allows you to fine tune the running order of your tracks.
- At any stage you can go back to previous steps and either select more albums or change the selection of the tracks.

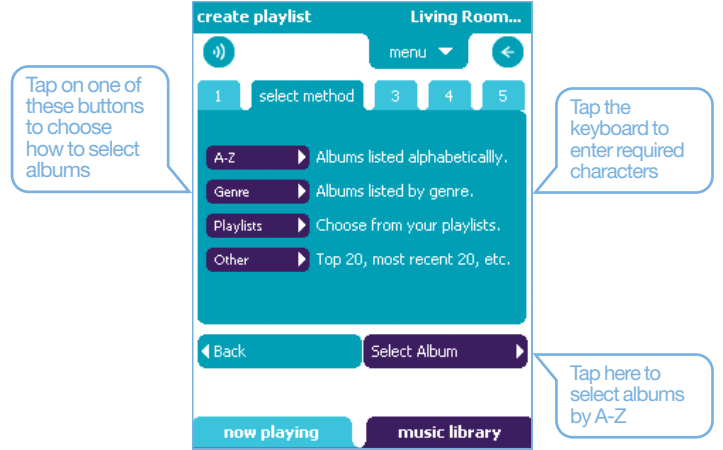
#### 2.8.1 Enter Name

Use the keyboard to tap in a name for your Playlist.



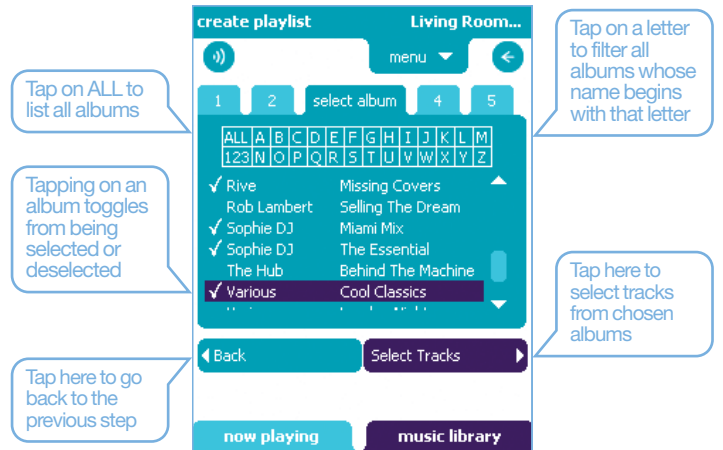
#### 2.8.2 Select Method

Use this screen to select the method with which you wish to choose your tracks.



#### 2.8.3 Select Albums — A-Z

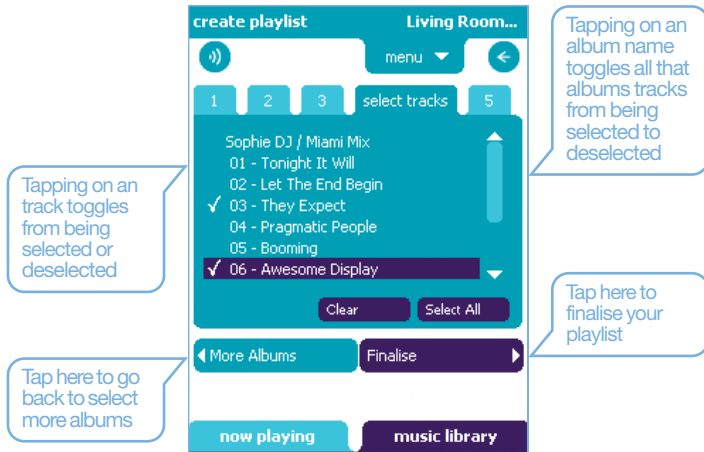
We've used A-Z as an example of how to select tracks for a Playlist. First you use this screen to select the albums from which you can choose the tracks you require. You can return to select more albums by tapping on the appropriate tab.



## 2. Reference Guide

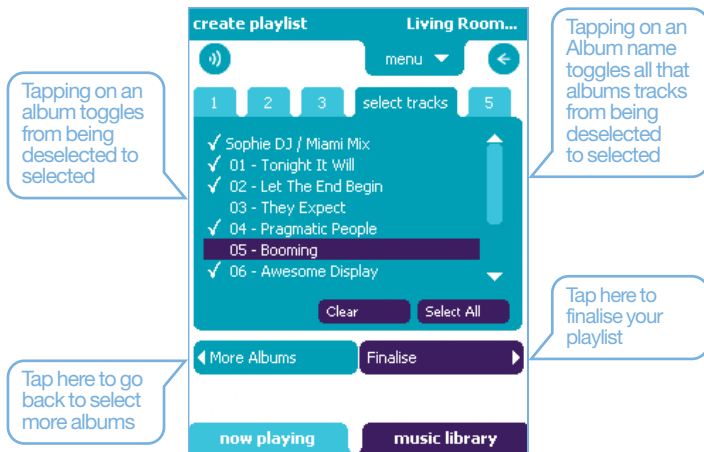
### 2.8.4 Select Tracks – Album Deselected

This screen demonstrates the de-selection of all tracks of an album by tapping on the album name, all ticks will disappear from next to all tracks on the album. Select individual tracks for your Playlist by tapping on them. Ticks will appear next to their names.



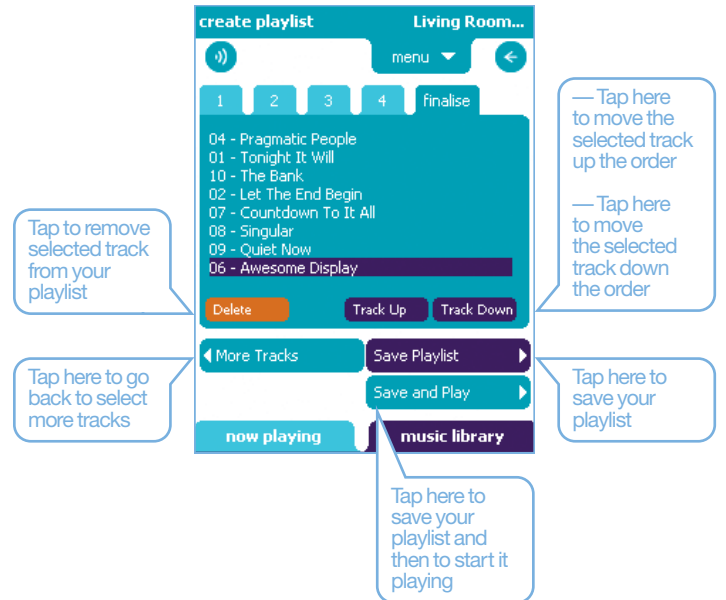
### 2.8.5 Deselect Tracks Album Selected

This screen demonstrates the de-selection of individual tracks off an album. By tapping on the track name, the tick next to them will disappear. Tap on the name again and the tick will reappear, selecting the track.



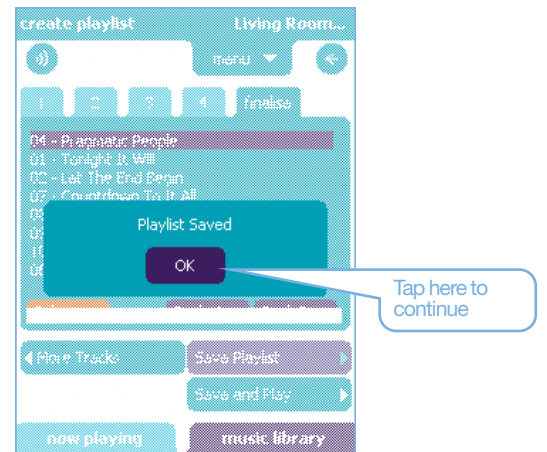
### 2.8.6 Finalise

This screen allows you to organise your Playlist by moving tracks around and, if necessary, deleting tracks. Additional tracks can still be added by repeating previous steps. Tap on the appropriate tab to return.



### 2.8.7 Save

Tap OK to save the Playlist.



## 2. Reference Guide

### 2.9 Edit Existing Playlist

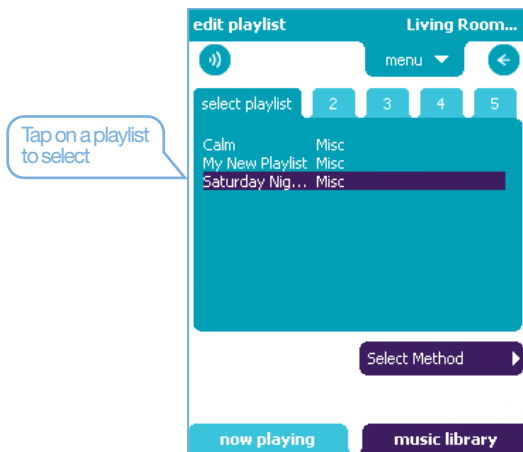
#### Summary

The basic steps in editing an existing playlist are:

- Choose a playlist.
- Select a method (A-Z, Genre, Playlists or Other) for how you want to find the albums from which you wish to select tracks. You can select some albums using one method then go back, and select more albums using a different method.
- Select albums using the chosen method by tapping on the albums from which you wish to select more tracks for your playlist.
- Select tracks from the selected albums. By default, all tracks will be selected. You can de-select the tracks you don't require, or you can de-select all tracks by tapping on the Album name and select the tracks you want. The tracks which already exist on your playlist are displayed first.
- Playlist allows you to fine tune the running order of your tracks.
- At any stage you can go back to previous steps and select more albums or change the selection of the tracks by tapping on the relevant tab.

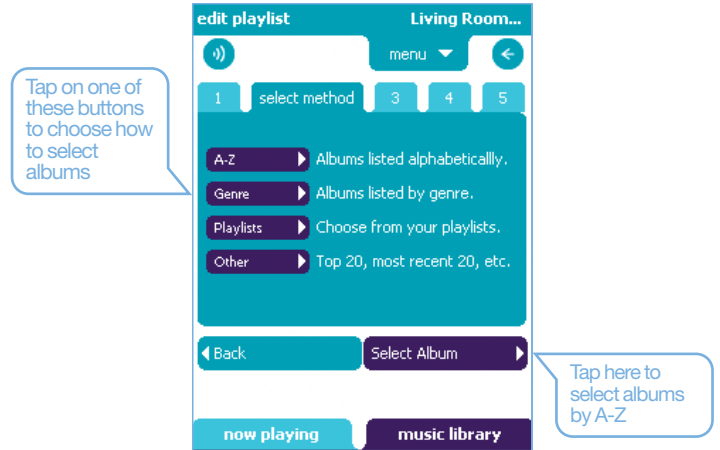
#### 2.9.1 Select a Playlist

Tap on the Playlist you wish to edit.



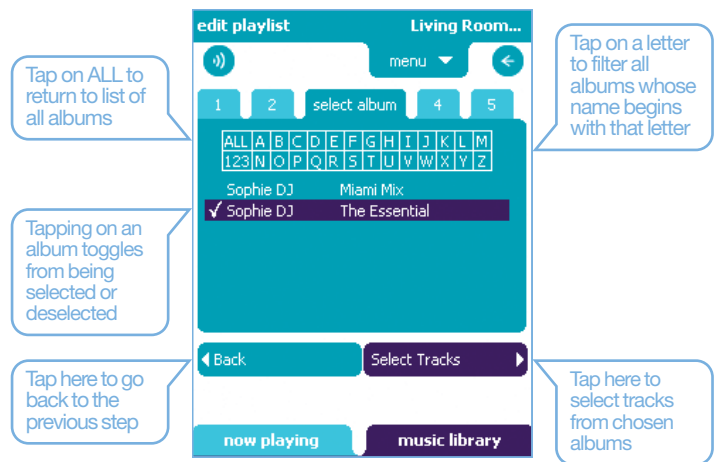
#### 2.9.2 Select Method

Tap on the method you wish to use to choose any new tracks.



#### 2.9.3 Select Albums — A-Z

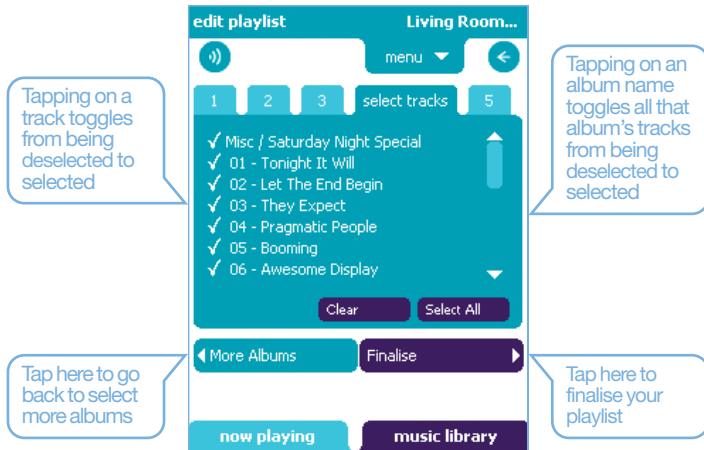
Use this screen to select the albums from which you can choose the tracks you require. You can return to select more albums by tapping on the appropriate tab.



## 2. Reference Guide

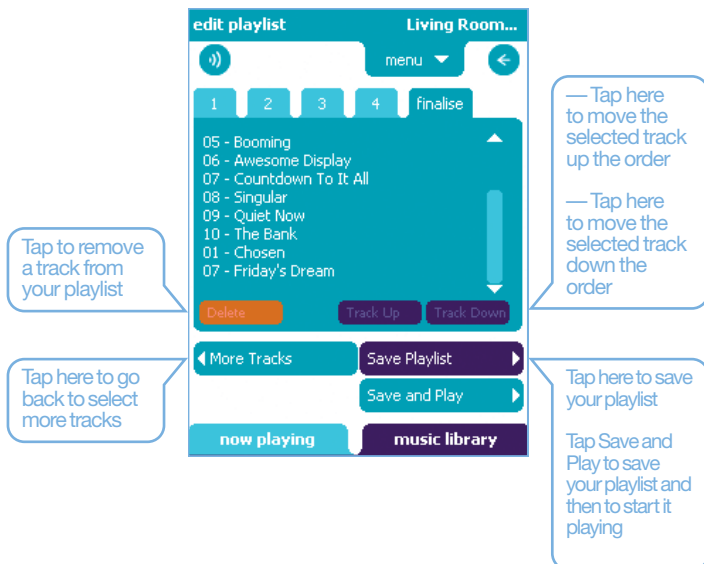
### 2.9.4 Select Tracks

Use this screen to select your chosen tracks. A tick next to the track name indicates that the track is required in your Playlist, tap on the track name to de-select the track, tap on it again and the track is re-selected.



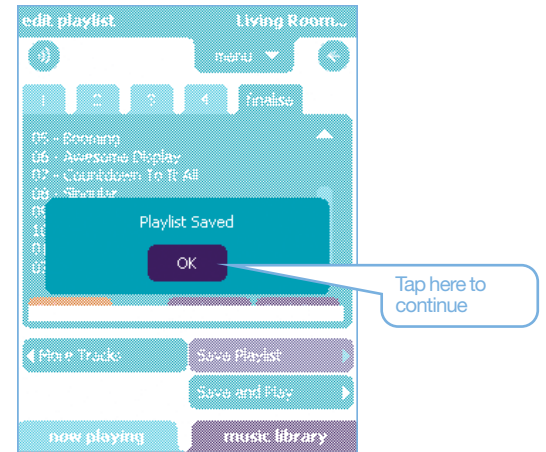
### 2.9.5 Finalise

This screen allows you to organise your Playlist by moving tracks around and if necessary deleting tracks. Additional tracks can still be added by repeating previous steps. Tap on the appropriate tab to return.



### 2.9.6 Save

Tap OK to save the Playlist.



### 2.10 Assign Playlist to Genre

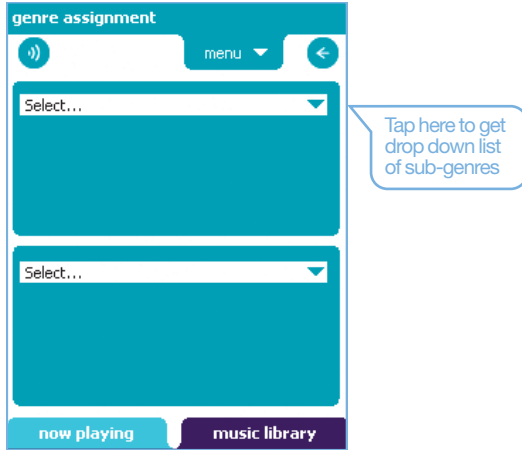
#### Summary

- Albums in the Music Library can be classified using a system of Genres and Sub-genres. A Genre is a major classification, which will be sub-divided into Sub-genres. For example, Classical can be sub-divided into Baroque, Opera, Orchestral, etc.
- The server comes with a default set of Genres and Sub-genres which can be altered by using the Genre function on the Advanced Menu, see 2.15.
- By default newly ripped CDs are classified as Unassigned.
- To assign albums to a sub-genre, first select the sub-genre from which you wish to move albums (usually Unassigned).
- Select the sub-genre you wish the album to be moved to.
- Tap on the album and it will move to the other selection.

## 2. Reference Guide

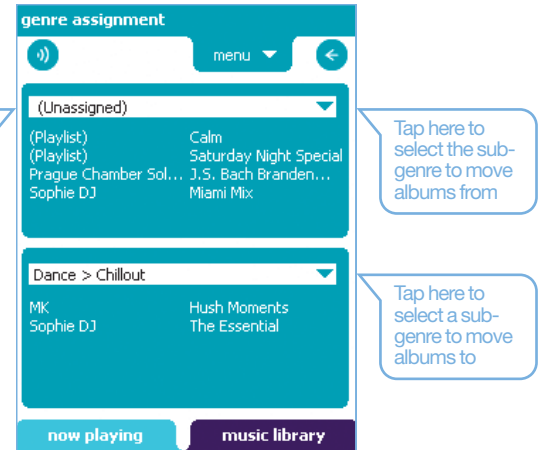
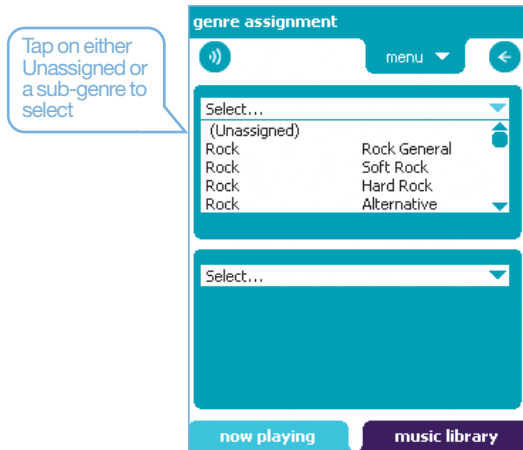
### 2.10.1 Initial Screen

The top drop down list will be used to select a sub-genre to move an album from. The lower drop down will be used to select a sub-genre to move an album to.



### 2.10.2 Sub-Genre — Drop Down List

This screen shows the top drop down from which you should select a sub-genre to move an album from. Normally you would select Unassigned as that is the sub-genre an album is placed in when first ripped.



### 2.10.4 Move Album

This screen shows an album, Miami Mix by Sophie DJ, moved from Unassigned to Dance > Chillout — tap on the album when in the top list of albums.



## 2. Reference Guide

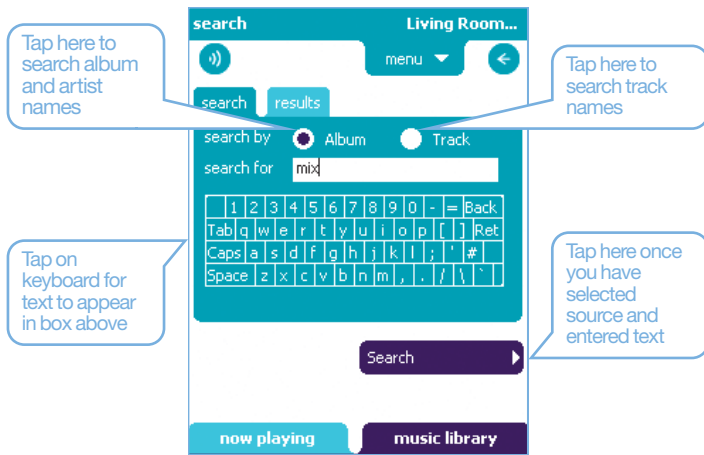
### 2.11 Search for Album or Track

#### Summary

- This feature allows you to find albums or tracks by entering keywords.
- Once located, tracks and albums can then be played.

#### 2.11.1 Enter Text — Album

This screen lets you search by Album or Track for a particular key word. This example shows the user searching for the word 'mix' in the Album name or artist name.



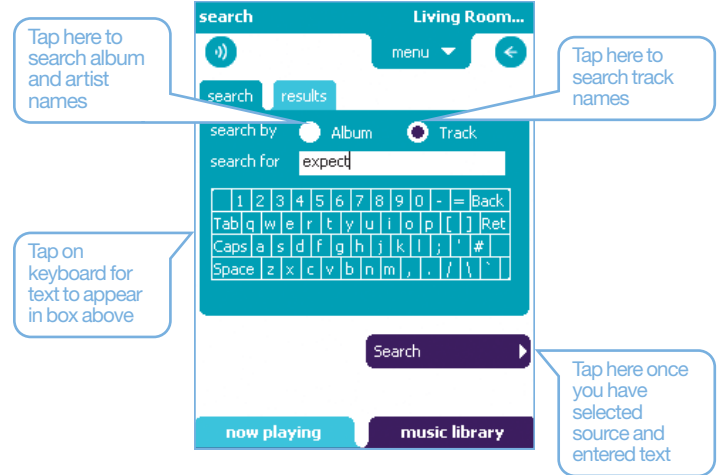
#### 2.11.2 Album Results

This screen shows the result of the previous screens search. Tap on Play Album and the selected track will be played.



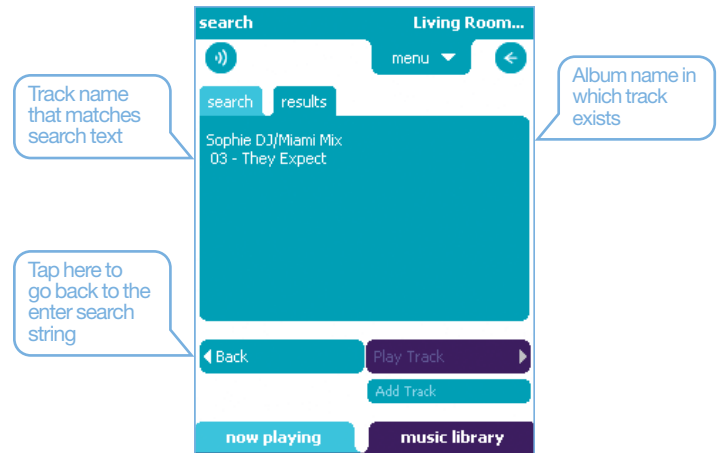
#### 2.11.3 Enter Text — Track

This screen shows an example of a search for the word 'expect' in a track name.



#### 2.11.4 Track Results

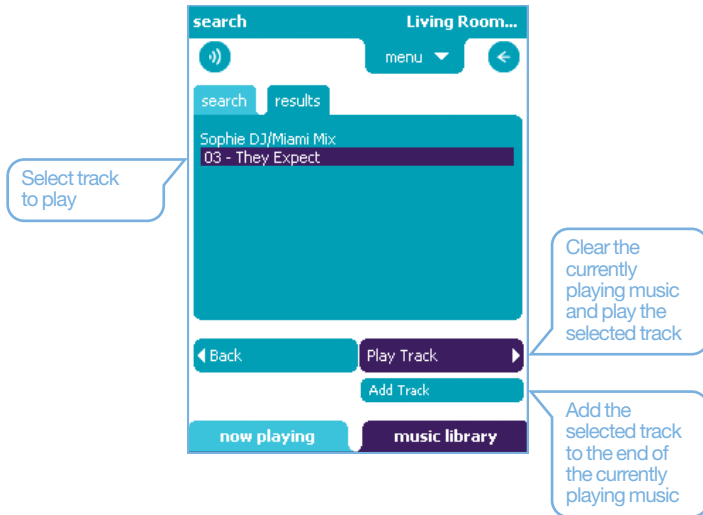
This screen shows the result of the previous search with no track yet selected.



## 2. Reference Guide

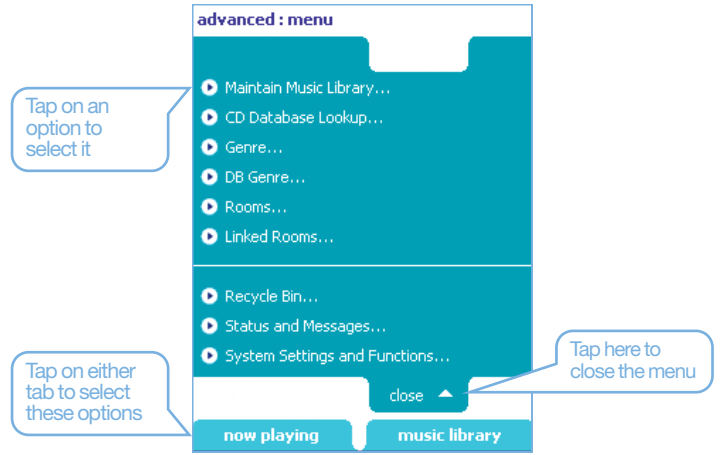
### 2.11.5 Track Select

This screen shows a track selected. By tapping on Play track the track will be played. Similarly, tap on Add track and the track will be added to the currently playing tracklist.



### 2.12.2 Advanced options

This screen shows the Advanced Options. To access any of the Advanced Options just tap on the description.



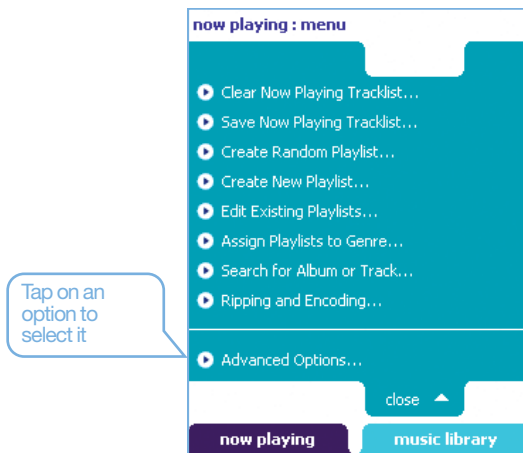
### 2.12 Advanced Menu

#### Summary

- The Advanced menu gives access to another level of functionality.
- The Advanced menu is reached by selecting Advanced Options from the menu.

#### 2.12.1 How to get There

This screen shows the first level menu. Tap on Advanced Options to reach the next level of menu options.



### 2.13 Maintain Music Library

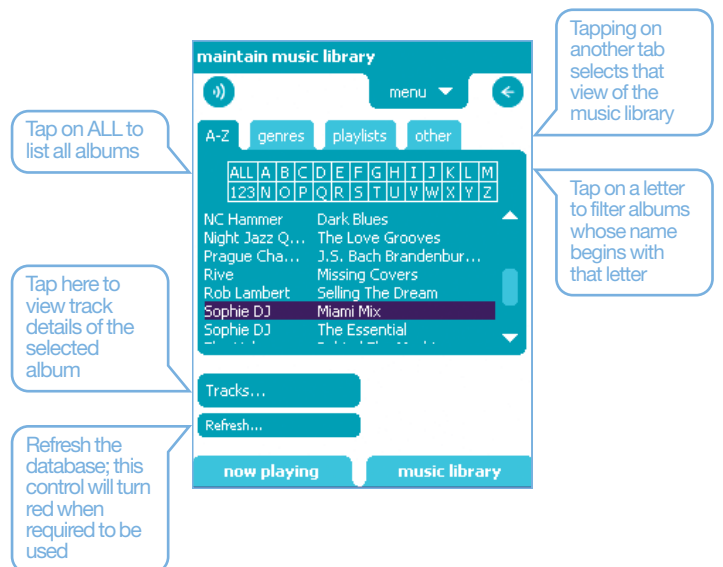
#### Summary

The following actions can be carried out in Maintain Music Library for a selected album:

- Rename Artist and Album
- Rename track names
- Delete album
- Re-lookup album details in database

#### 2.13.1 Select an Album

This screen shows the initial screen for Maintain Music Library, all the controls work in a similar fashion to the Music Library screens. Tap on an Album to select, then tap on the Tracks button to get to the next screen.



## 2. Reference Guide

### 2.13.2 View Track Details — Delete Album and CD Database Lookup

This screen shows an Album at track level. From here you can Delete an Album, Rename Album name and Artist Name (Edit Details...), rename track names and repeat the CD database lookup.

The screenshot shows the 'tracks' screen with the following elements and callouts:

- Icons:** A callout points to icons indicating the track format (e.g., WAV).
- Track Selection:** A callout points to a track in the list: 'WAV 04 - Pragmatic People'.
- Navigation:** Callouts point to 'Previous' and 'Next' buttons for skipping through albums.
- Actions:** Callouts point to 'Delete', 'Rename Track...', and 'CD Db' buttons.
- Bottom Bar:** Callouts point to 'now playing' and 'music library' tabs.
- Bottom Right:** A callout points to the 'music library' tab.

### 2.13.3 Edit Details — Rename Artist and Album

This screen shows the rename Artist and Album details. This screen can also be used to change the sub-genre of the album.

The screenshot shows the 'Edit Details' screen with the following elements and callouts:

- Text Entry:** Callouts point to input boxes for 'Artist' (Sophie DJ), 'Album' (Miami Mix), and 'Genre' (Dance).
- Keyboard:** A callout points to the on-screen keyboard.
- Buttons:** Callouts point to 'Save' and 'Cancel' buttons.
- Bottom Bar:** Callouts point to 'now playing' and 'music library' tabs.

### 2.13.4 Edit Track — Rename Track

This screen allows you to rename a track.

The screenshot shows the 'Edit Track' screen with the following elements and callouts:

- Text Entry:** A callout points to the input box containing '04 - Pragmatic People'.
- Keyboard:** A callout points to the on-screen keyboard.
- Buttons:** Callouts point to 'Save' and 'Cancel' buttons.
- Bottom Bar:** Callouts point to 'now playing' and 'music library' tabs.

## 2.14 CD Database Lookup

### Summary

- This routine will look up all unknown albums against the CD database on the Internet.
- For servers with dial-up connections it is advisable to turn off automatic CD database lookup. It will look up locally as each CD is ripped. Any CDs that have not been found locally can be looked up at the end via the Internet using CD Database Lookup.

### 2.14.1 Start

This screen opens once you have tapped the option on the Advanced Menu. Tap on CD Database Lookup to initiate the routine.

The screenshot shows the 'cd database lookup' screen with the following elements and callouts:

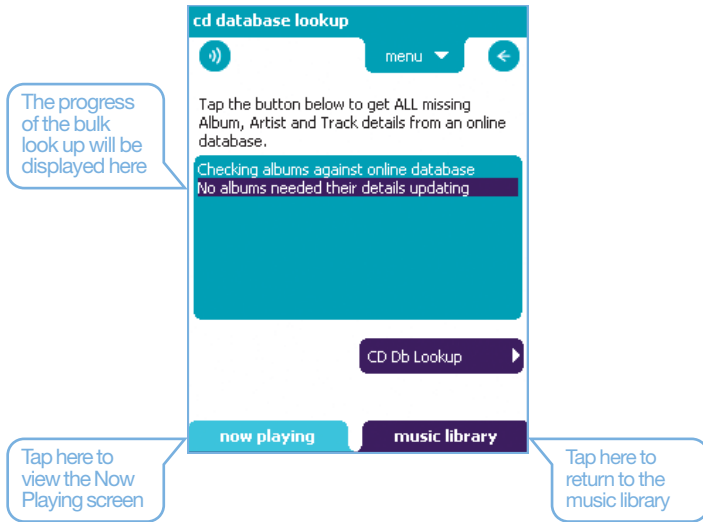
- Text:** A callout points to the instruction: 'Tap the button below to get ALL missing Album, Artist and Track details from an online database.'
- Button:** A callout points to the 'CD Db Lookup' button.
- Bottom Bar:** Callouts point to 'now playing' and 'music library' tabs.



## 2. Reference Guide

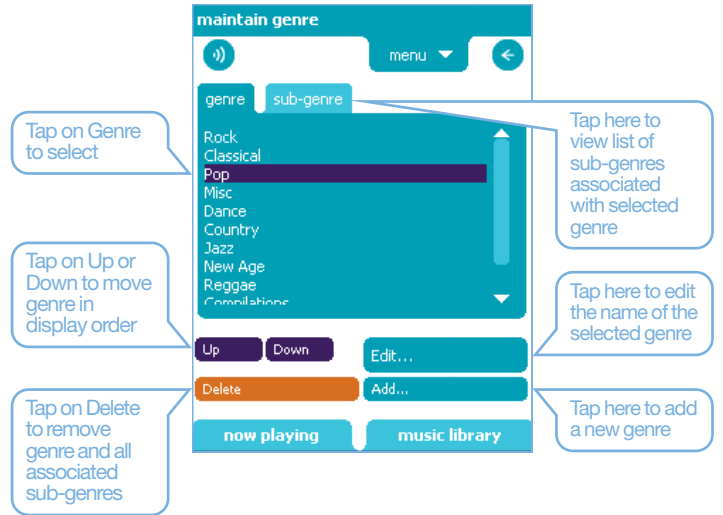
### 2.14.2 Complete

This screen indicated the results of the look up.



### 2.15.1 Genre

This screen indicates the current Genre classification. Genres can be added, deleted and moved using this screen.



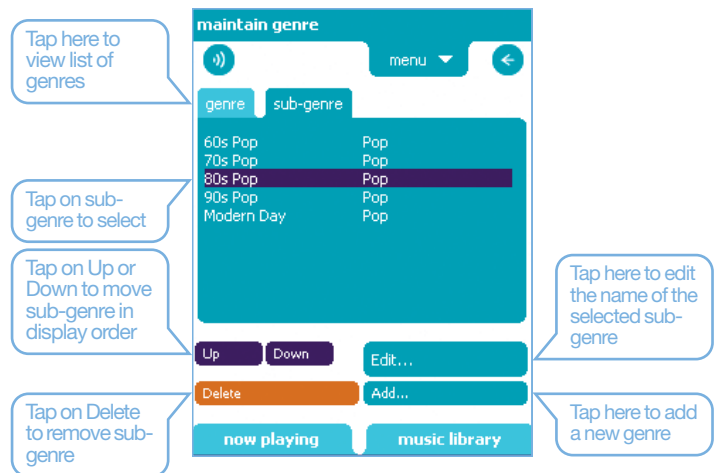
### 2.15 Maintain Genres

#### Summary

- The server comes with a list of default genres and sub-genres.
- You can remove all the default genres and start again, or you can modify the list to suit your purposes.
- Changing the order in which they appear on these screens changes the order in which they appear throughout the Interface, so if you commonly use one genre make sure it appears first in the list.
- To use a Genre you must create at least one sub-genre.

### 2.15.2 Sub-Genre

This screen indicates the current Sub-genre classification for a selected Genre. Sub-genres can be added, deleted and moved using this screen.



## 2. Reference Guide

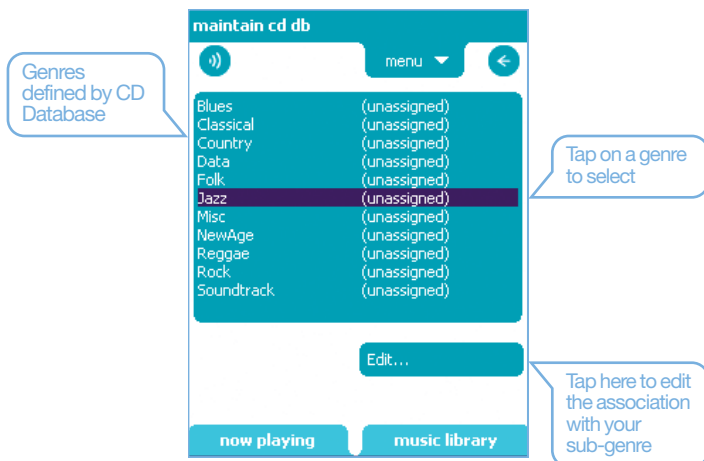
### 2.16 CD Database Genre

#### Summary

- Albums in the Music Library can be classified using a system of Genres and Sub-genres. A Genre is a major classification, which will be sub-divided into Sub-genres. For example, Classical can be sub-divided into Baroque, Opera, Orchestral, etc.
- The Internet CD database which the server uses returns a Genre alongside the Artist, Album and Track information
- By assigning one of your sub-genres to one of the CD database genres, albums will automatically be assigned to a sub-genre.
- Be aware the genre allocation with the CD database can be unpredictable.

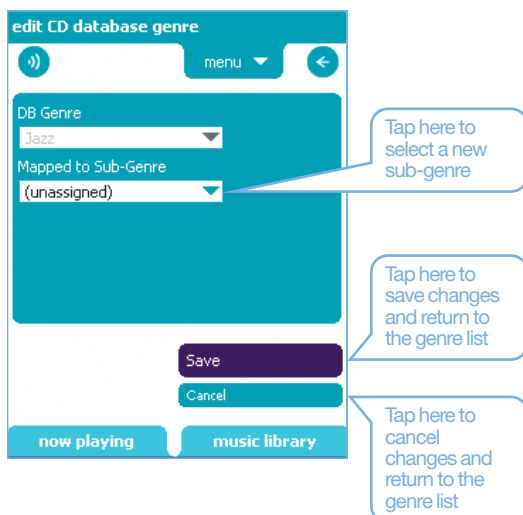
#### 2.16.1 List

This screen indicates the current Genre classification of the Internet CD Database.



#### 2.16.2 Edit

This screen allows you to select a new Sub-genre to be allocated to the Internet CD Database Genre.



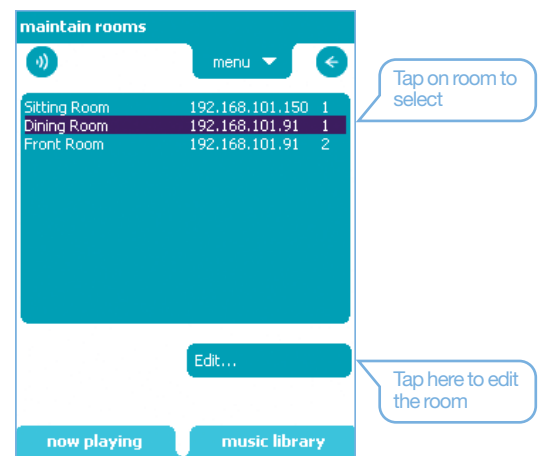
### 2.17 Rooms

#### Summary

- Your server can support a number of rooms.
- Rooms can either represent multiple outputs from your server, or additional client units running their own outputs from your master collection of music.
- In a single room system this feature is used to change the name of your default room.

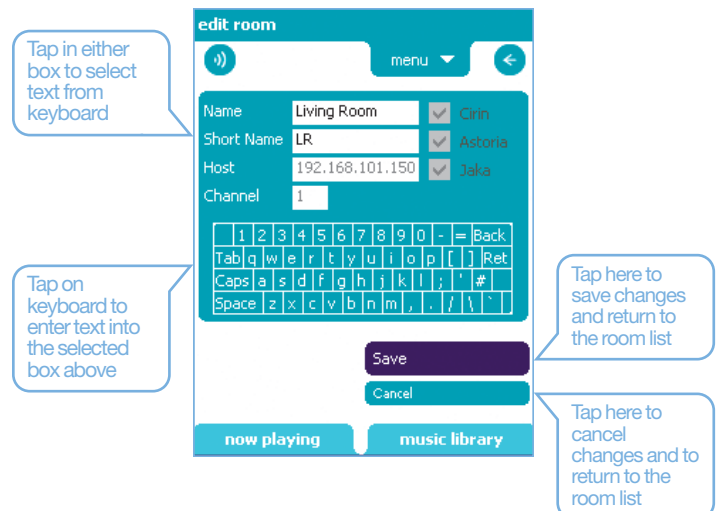
#### 2.17.1 List

This screen allows you to tap on a room to select it. Tap on the Edit button to edit the selected room's details.



#### 2.17.2 Edit

This screen allows you to change the Name and Short Name of the room. The room name is used at the top left of most screens. At present, the Short Name is not used.



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### 2.18 Linked Rooms

#### Summary

- This function is used in a multi-room configuration to link more than one room together in order to play the same music in each room simultaneously.
- Functionality currently not available.

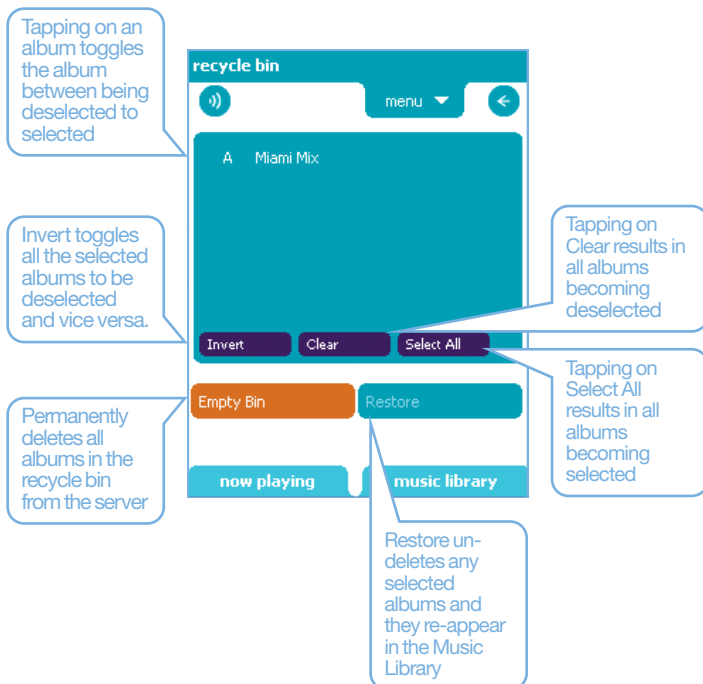
#### 2.18.1 Recycle Bin

##### Summary

- Deleting an Album in Maintain Music Library only marks the Album for deletion. All files still exist on the server until the Album is emptied from the Recycle Bin.
- Albums can be restored to the Music Library from the Recycle Bin.

#### 2.18.2 List

This screen shows any Albums in the recycle bin. Albums can either be permanently deleted from the server and their space recovered or restored to the Music library by tapping on the appropriate buttons.



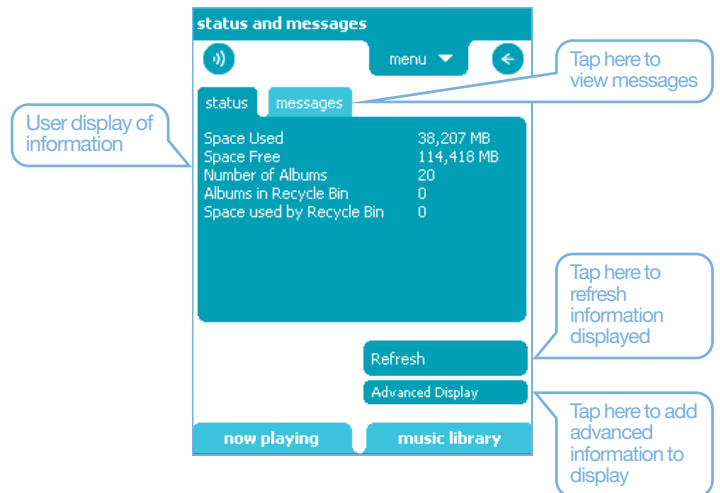
### 2.19 Status & Messages

#### Summary

- User Status displays the number of albums ripped and indicates the remaining space on the server for more albums.
- Advanced Status displays the User status plus version numbers for your server software.
- Messages — These are created by the server to inform the user that various background tasks have been completed and any messages the tasks may have created.

#### 2.19.1 User Status

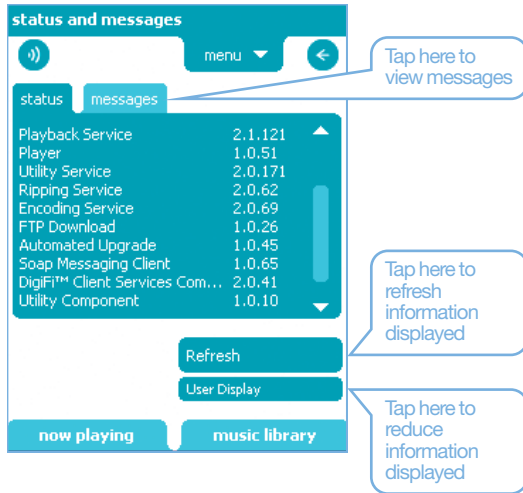
This screen shows some basic status information for the user. Use this information to check how many more albums you can rip to your server.



## 2. Reference Guide

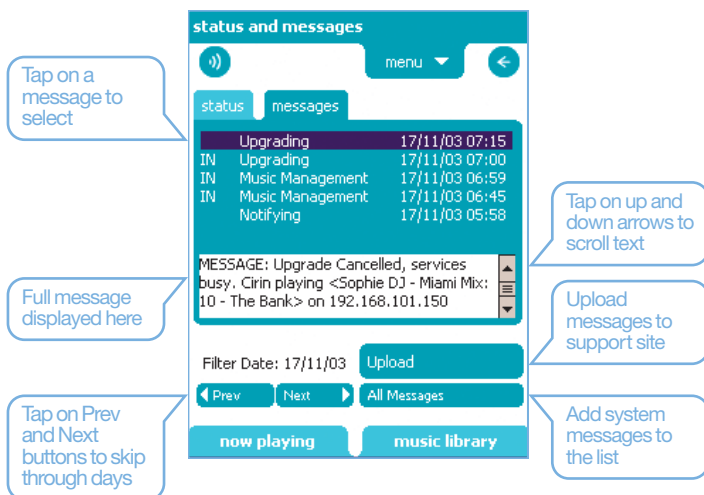
### 2.19.2 Advanced Status

The Advanced Status adds the version numbers of the server software. This information can be used to verify that your server has been updated correctly.



### 2.19.3 Messages

This screen shows any messages that have been raised by the server software. Any messages should show that the server is operating correctly. If you have concerns about any messages please contact support.



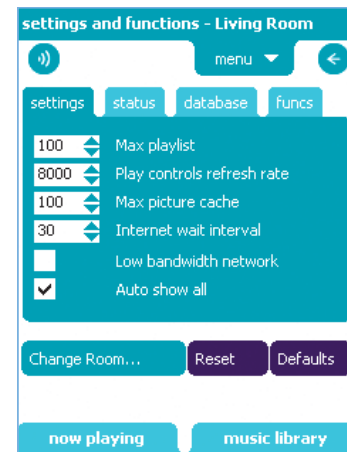
### 2.20 System Settings and Functions

#### Summary

- Settings are the parameters that control the operation of the server.
- Functions are operations that run on the server that may be required to be run occasionally.
- Both Settings and Functions should be used in conjunction with a support call.

#### 2.20.1 Settings

For details on the settings shown on this screen see notes below.



- Max Playlist — Used by Create Random Playlist and for Adding albums and tracks. Can increase in size. However, if the value is too large memory problems may occur.
- Play controls refresh rate — This indicates the number of milli-seconds between refreshes of the Now Playing screen.
- Max picture cache — Indicates the maximum number of cover images held on the PDA.
- Internet wait interval — The number of seconds that the system waits to determine whether the master unit has an Internet connection. Should be increased if the master unit is using dial-up and the connection period is longer than 60 seconds.

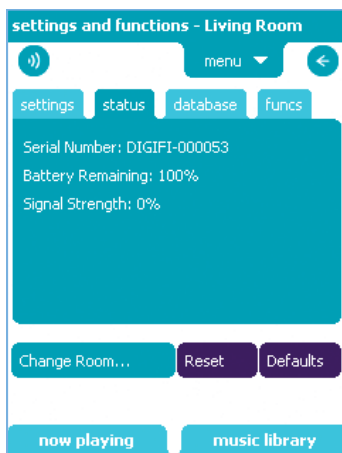
## 2. Reference Guide

- Low bandwidth network — Should be set if a client is connected to the server using WiFi in order to prevent users selecting WAV files. WAV files require a high bandwidth connection to play back without distortion.
- Auto show all — If this is ticked, Music Library will default to show all albums in the A-Z screen. This setting is useful if once you have ripped all your albums, you feel that pulling up the complete list of albums takes too long.

### 2.20.2 Status

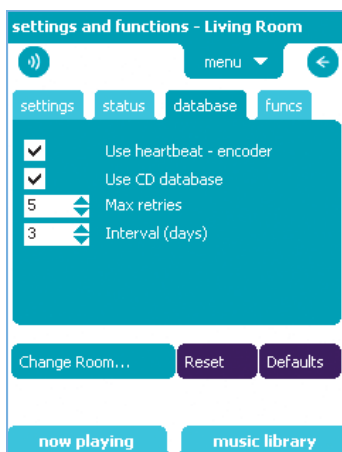
The details on this screen are for support call assistance.

- Serial Number — On the selected unit, server or client.
- Battery Remaining — On the PDA
- Signal Strength — Between the PDA and the server. Not available on all PDAs.



### 2.20.3 Database

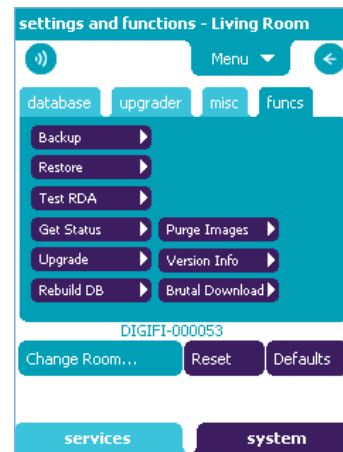
For details on the settings shown on this screen see notes below.



- Use Heartbeat — Encoder — Un-tick this option to stop the system encoding albums.
- Use CD Database — Un-tick this option to stop the master unit looking up the CD database on every CD. Recommended for dial-up users. CD look-ups can then be done either using the Bulk look-up or overnight as part of the scheduled tasks.
- Max retries — The maximum number of times the system will retry the CD look-up if no match is found.
- Interval (days) — The number of days between CD database look-ups if no match is found initially.

### 2.20.4 Functions

The functions on this screen are for support call assistance. Changing the room changes the device on which the function is processed.



- Backup — Backup all data except actual ripped music. Playlists, Genre allocations, etc.
- Restore — Restore data from last backup.
- Test RDA — Tests the RDA connection with the server
- Get status — Gets the status of the main services on the selected server or client.
- Upgrade — Forced upgrade of selected server or client.
- Rebuild DB — Rebuild database from information in music store. General procedure is Backup, rebuild database, then Restore.
- Purge images — Clear image cache. Used if any Album art has become corrupted.
- Version Info — Used to get software version information of selected client.
- Brutal Eject — Used to eject a CD that the system is having problems ripping.

## 2. Reference Guide

### 2.21 Use of PDA Buttons

#### Button 1

Switch the DigiFi™™ Interface on and off.

#### Button 2

Takes you to the Now Playing screen. Once there, it lets you toggle between Tracklist and Current Track views.

#### Button 3

Takes you to the Music Library. Once there, it lets you step through A-Z, Genre, Playlist and Other views.

#### Button 4

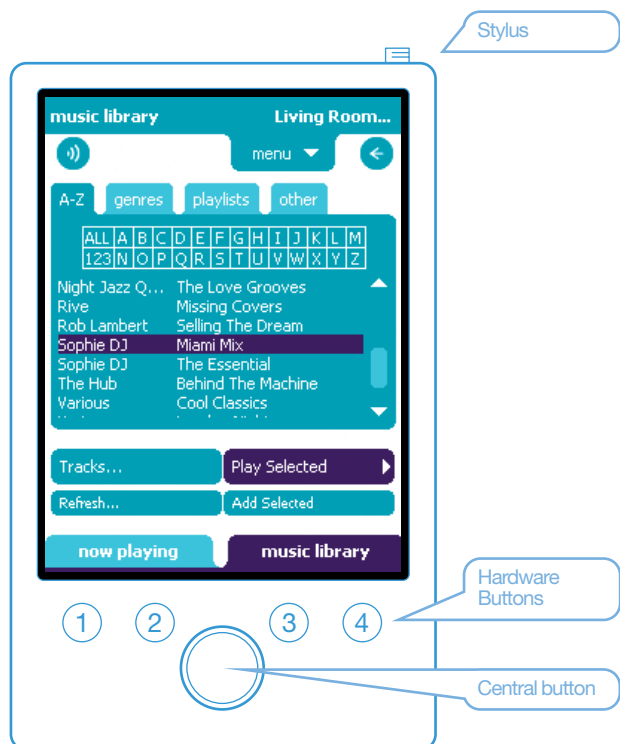
Takes you to Ripping and Encoding. Once there, it lets you toggle between Now Ripping and Now Encoding views.

#### Central button

Up/Down changes volume.  
Left/Right changes track.

#### Stylus

Use the stylus to tap your selections.



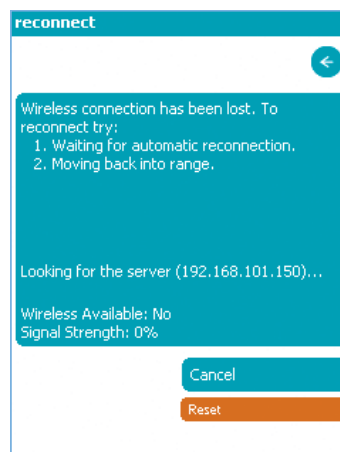
### 2.22 Alerts

#### Summary

The following screens demonstrate a range of messages that will appear if for any reason your system is having problems. Problems will range from the PDA being moved out of range of its Access Point to software bugs that need to be reported to support.

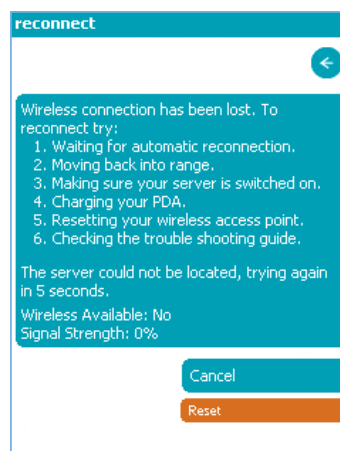
#### 2.21.1 Reconnection Screen — Initial

This screen appears immediately that the PDA has communication problems with the server. The most likely reason is that the PDA has been moved out of range of its Access Point. The Interface will try every 5 seconds to reconnect to the server.



#### 2.21.2 Reconnection Screen — Full

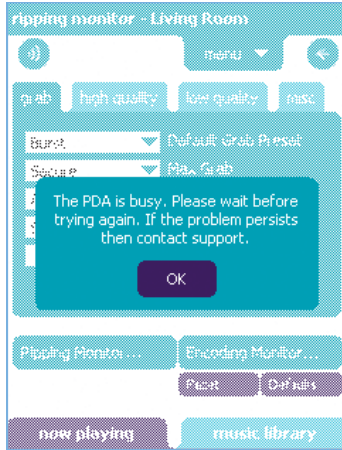
This screen appears if the communication problems persist with the server. The Interface will continue to try every 5 seconds to reconnect to the server.



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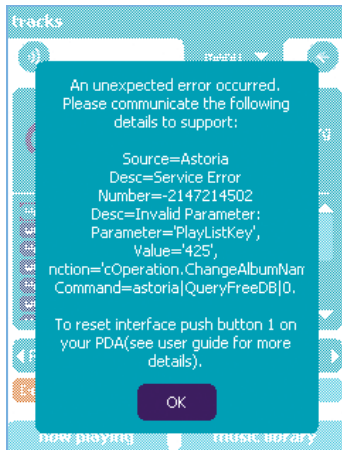
### 2.21.3 PDA Busy

Occasionally if the PDA is having a problem processing an operation in its allotted time then the following screen will appear. Tap on the OK button to allow the PDA to try the operation again.



### 2.21.4 Error Message

Hopefully this screen will not appear, if it does please record the debugging information before tapping on the OK button.



### 2.23 Scheduled Tasks

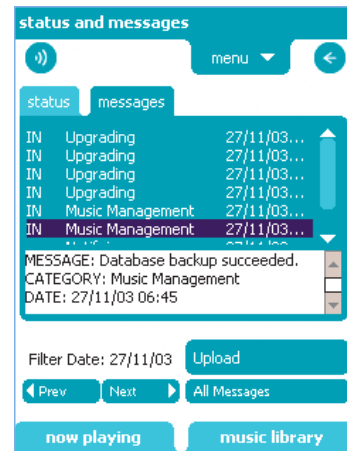
#### Summary

During the night the server, if left switched on, will carry out a number of scheduled tasks:

- Create a backup file of all information in the server's database.
- Carry out a CD Database look-up for any un-named albums. Access to the Internet is required for this operation to be successful.
- Check the central server for any software updates, if any exist then they will be downloaded. Access to the Internet is required for this operation to be successful.
- Apply any software updates that the previous task may have downloaded.
- Upload support information, including the backup file, to the central server. Access to the Internet is required for this operation to be successful.

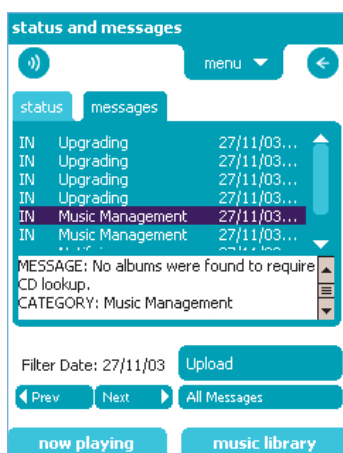
Each scheduled task generates an alert message to tell the user of the process completion status:

#### 2.23.1 Backup Message

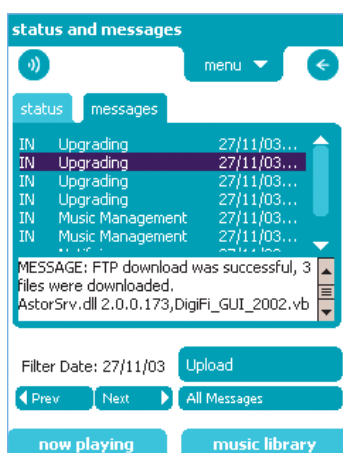


## 2. Reference Guide

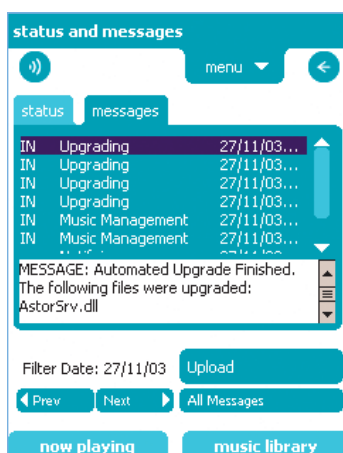
### 2.23.2 CD Database Message



### 2.23.3 Download Message



### 2.23.4 Upgrade Message



### 2.24 Upgrading

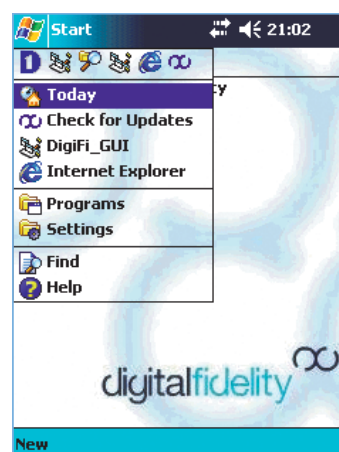
#### Upgrading Server Software

The server is normally upgraded by the Scheduled tasks during the night as long as the server is switch on with Internet access available.

If an ad-hoc upgrade is required then select the Upgrade Function from the System Settings & Functions Option, see section 2.20.

#### Upgrading PDA Software

Select Check For Updated on the PDA's startup menu. This option will check your server for updated to the PDA Interface, if any exist the updates will be applied, either way the Interface will then be started.





## 2. Reference Guide

### 2.25 PDA Backup or Restore

#### Summary

- At regular intervals, and after each upgrade to the PDA please backup your PDA. The following screens demonstrate the steps you need to take.
- If for any reason you have to restore the state of your PDA you follow similar steps to backing up except in the final step you select restore rather than backup.

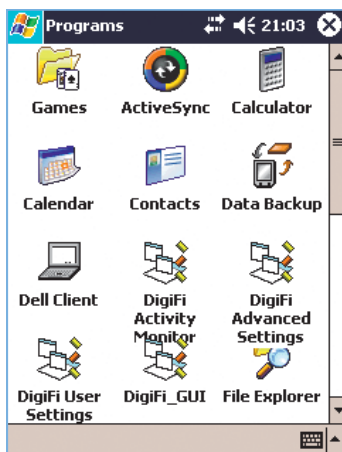
#### 2.25.1 Step One

Select Programs from the PDA's start menu.



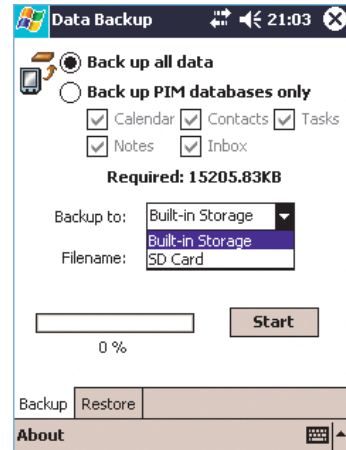
#### 2.25.2 Step Two

Tap on Data Backup from the list of programs on the PDA.



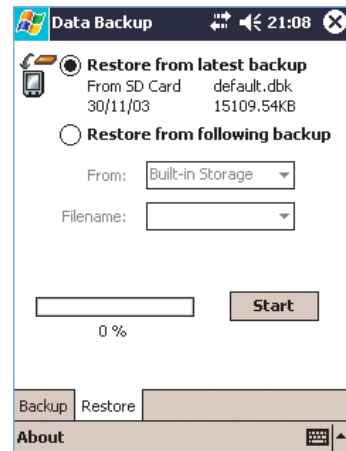
#### 2.25.3 Step Three

Select backup destination, usually your SD card, then tap on Start. If carrying out a Restore tap on the Restore tab.



#### 2.25.4. Step Four – Restore Only

Tap on Start to commence the Restore process.



## 2. Reference Guide

## 3. Troubleshooting

— **This is the Troubleshooting Guide.**  
If you have any problems look here before contacting support. You might also find the answer in the Reference Section.

## 3. Troubleshooting

### 3.1 My Server will not Power On

- Check the power block is connected to both the server and the mains.
- Check all required connections are made to the server. See set-up guide.
- When you have checked the power is plugged in, try the following: Press and release the power button. The blue light should illuminate and the blue LED to the left of the power button should flash vigorously for approximately 15 seconds.

### 3.2 My PDA will not Power On

- Make sure the PDA battery is fully charged.
- Make sure that the battery is seated correctly in the PDA. See manufacturer's instructions.

#### 3.2.1 The Interface is not Present on a HUSH Configured PDA

- The PDA may have returned to factory settings during transport due to low power and therefore removed the DigiFi™ Interface. Please restore using the backup file provided. See User Guide for details.

#### 3.2.2 User Configured PDA

- The DigiFi™ Interface has to be installed from the supplied SD card. See User Guide for details.

### 3.3 The Interface Starts on the PDA but doesn't Connect to the Server

Check the following items:

- Is the server switched on?
- Is the server connected to a networking device and is the connection live?
  - a. USB NIC. Green light on the USB NIC should be illuminated.
  - b. LAN NIC. The green and orange light, located on the rear of the server, should be illuminated immediately above the LAN NIC socket.
- Is your Wi-Fi Access Point switched on? NB If you are using a USB NIC then this device will be acting as your Access Point.
- Is the IP Address on the Wireless Access Point in the same subnet as your server? See manufacturer's instructions?
- Is Wi-Fi running and connected to your PDA. See connection symbol in Pocket PC Title Bar. If your PDA has discharged to less than 25%, the Wi-Fi will have been disabled. The PDA must therefore be charged before the Wi-Fi can be enabled. See your PDA manufacturer's literature for details.

#### Wi-Fi Disconnected



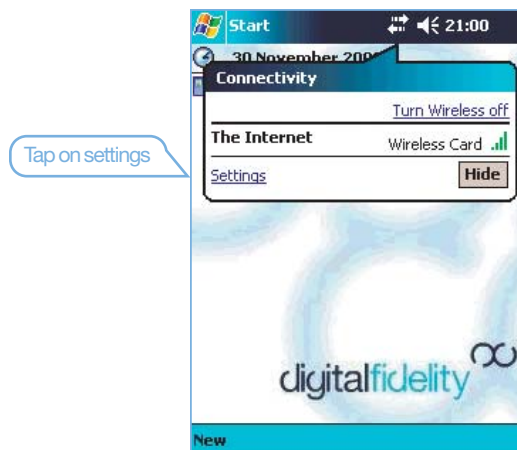
#### Wi-Fi Connected



- Is your PDA connected to your Wi-Fi Access Point?
- Are you in range of the Access Point?

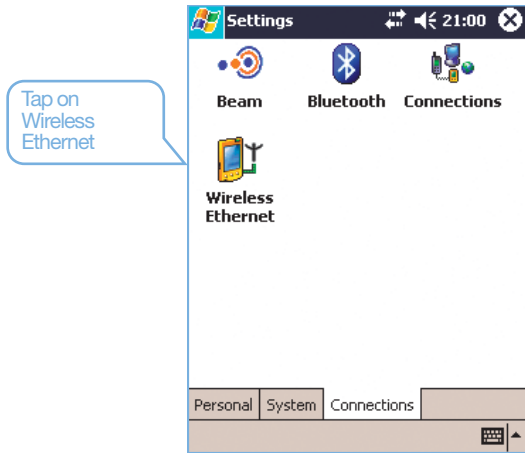
#### Check Wi-Fi Access Point

- Step 1

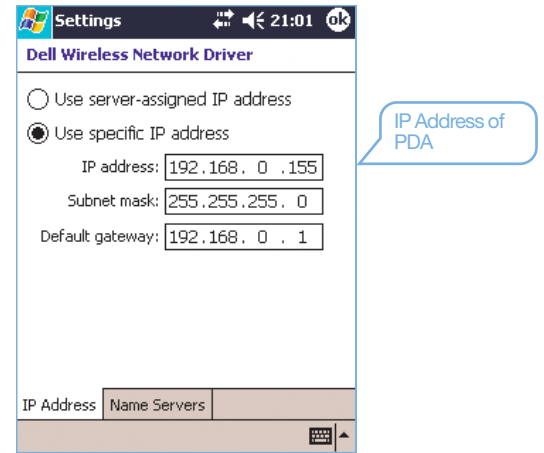


# 3. Troubleshooting

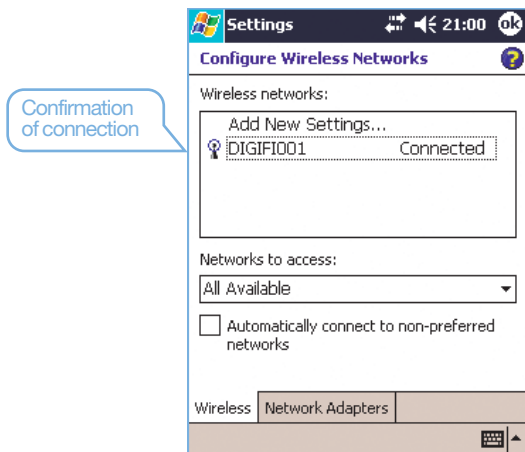
— Step 2



— Step 2

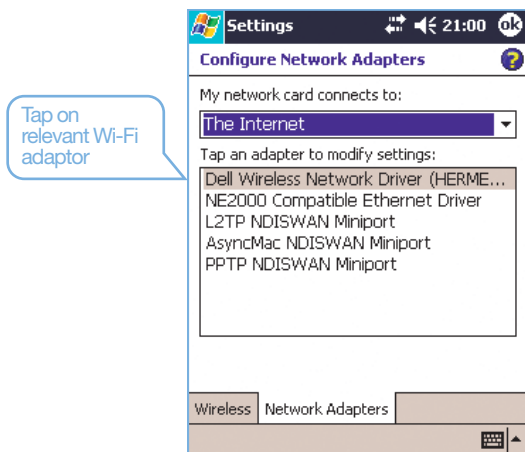


— Step 3



— Is the IP Address on the PDA in the same subnet as your server?

Check IP Address  
— Step 1



— Is the IP Address for the server correct in Advanced settings. See Advanced Settings Guide for details.

If all the above is correct then power off all of the constituent parts and power them on as described in the Set-up Guide. Reset the PDA before starting the DigiFi™ Interface. See manufacturer's instructions.

## 3.4 My Server will not Power Off

- To power off your server press and release the power button. The blue LED to the left of the power button should flash and the blue light around the power button should go off after approximately 15 seconds.
- If the power light does not go off then press and hold the power button till the power light goes off; approximately 5 seconds.

## 3.5 No Music Comes from my Hi-Fi

Before an album can be played via your server the following steps must have been completed.

- Rip a CD.
- Refresh Music Library
- Select album and tap on Play Selected button
- To confirm that the album is playing:
  - The Now Playing – Tracklist screen should display the selected album. The Activity Indicator should appear approximately every 5 seconds.
  - Go to Now Playing – Current Track screen, the track indicator bar should progress every time the Activity Indicator disappears.
- Confirm that the volume is not turned off.

## 3. Troubleshooting

If all the above are correct then:

- Check that you have connected your server to your sound source via the phono connectors on the back of your server. Please see Set-up Guide for more details.
- Check on your Hi-Fi that the correct source has been selected.
- Check the volume of your Hi-Fi is not turned down.

See Quick Start guide. For more details

### 3.6 I want to Improve the Audio Quality

- The best quality of music comes from uncompressed (WAV) files. Please note that WAV files take 10 times as much room as any version of compressed (encoded) files. A 160 Gbyte server can store approximately 160 albums uncompressed.
- Compressed files, WMA or MP3, using a high bit rate 192bps or 128bps should sound closely equivalent to your CD player.
- Lower bit rates will mean significant reduction in audio quality.

Check the following; (Please see the Reference Section, for more details):

- Ripping Settings.
- The file type used by an individual CD in the Maintain Music Library/Tracks screen.

### 3.7 The Interface Starts on the PDA but Periodically Disconnects

- If you are at the maximum range of your Wi-Fi the DigiFi™ may connect but time-out trying to complete certain operations. Move closer to the Access Point and the Interface should become more stable.
- If your Server is ripping CDs, it can take longer to carry out certain tasks. This can result in the PDA assuming that it has disconnected from the Server.

### 3.8 I am Having Problems Ripping CDs

The following are reasons why a CD may not rip:

- Dirty and/or scratched — Please make sure your CDs are in the best possible condition prior to ripping.
- Copy protected — majority of copy protected CDs will not rip.
- Data CD — If the server detects a data CD rather than a music CD it will eject it.
- DVD — The server cannot rip DVDs.
- Inserted upside down — Please make sure you insert your CDs with the label upwards.

- Disk full — If your disk only has 1 Gbyte of space left, a CD cannot be ripped. Disk status can be checked in the Status & Messages function in the DigiFi™ Interface. Please see the Reference Section for more details.

### 3.9 CDs Rip but Tracks are Missing or Gaps Appear in the Music

Missing Tracks or music is usually the result of ripping a damaged CD. Depending on your Ripping settings the server will handle the situation differently. Please see Ripping Settings in the Reference Section for more details.

### 3.10 Artist, Album and Track Details are not Appearing for Newly Ripped CDs

The server follows the following steps to get the Artist, Album and Track details for a newly ripped CD:

- Looks up CD information in local database on server. This database is up to date when the server is installed and is not updated after initial installation.
- If the CD information does not exist locally, the server will carry out a CD database look-up if an Internet connection is available. The server will check an on-line database for your CD details.
- In the overnight scheduled tasks any Unknown CDs are checked with an on-line CD database if an internet connection is available

CD Artist, Album and Track details of newly ripped albums may not appear for the following reasons:

- Your Server was not left on overnight.
- Your server was not able to connect to the Internet during the overnight scheduled tasks.
- The details do not exist on the on-line CD database.

CD Artist, Album and Track details may be typed in using the Maintain Music Library within the DigiFi™ Interface. Please see the Reference Section for details.

### 3.11 Album Covers are not Appearing

Album covers are stored on a central server. When you rip a CD a cover request is made. This request is passed to the server in the overnight scheduled tasks. If the cover exists then it will be downloaded if an internet connection is available. CD cover art may not appear for the following reasons:

- Your Server was not left on overnight.
- Your server was not able to connect to the Internet during the scheduled tasks.
- The cover art does not exist on our server for your CD.

# 3. Troubleshooting

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