as ACOUSTIC SOLUTIONS

**SP150**
CD/HARD DRIVE
AUDIO JUKEBOX

INDEX

SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of electric shock, do not remove any cover. NO USER-SERVICEABLE PARTS INSIDE, REFER ANY SERVICING TO QUALIFIED SERVICE PERSONNEL.

IMPORTANT SAFETY INSTRUCTIONS

• Read and keep these instructions available for future reference.
• For indoor use only.
• The unit must only be connected to a suitable mains power supply using the mains power lead provided.
• To reduce the risk of fire or electrical shock, do not expose this unit to rain or moisture.
• The apparatus shall not be exposed to dripping or splashing.
• No naked flame sources, such as candles, should be placed on this product.
• No objects filled with liquids, such as vases, shall be placed on the apparatus.
• Unplug the unit from the wall socket during lightning storms and when it is not going to be used for a long period of time.
• Take care that foreign objects do not enter, or liquids are not spilled, into the enclosure through any openings. If this should happen, refer to qualified service personnel before attempting to use.
• Ensure adequate ventilation - do not cover this unit with curtains, etc.
• Do not install near any heat source, such as radiators, or other equipment that produces heat.
• Protect the mains power cable from being damaged.

	CAUTION	
⚡	RISK OF ELECTRIC SHOCK! DO NOT OPEN!	⚠

CE
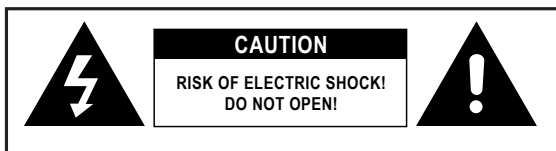
This product complies with European low voltage (73/23/EEC) and electromagnetic compatibility (89/336/EEC) directives.

WARNING:
A terminal marked with the "Lightning" symbol is a hazardous live and connection to this terminal should only be made by service personnel.
The exclamation point within an equilateral triangle is intended to alert the user to important operating and maintenance instructions in the service literature relevant to this appliance.

UK MAINS PLUG DETAILS

For your convenience a mains plug with a fuse (3 Amp) has been fitted to this appliance. For your safety please observe the following information.

• The SP 150 is designed to operate on an AC mains supply of 230 volts, 50 Hz.
• The SP 150 system is a class 1 product and it shall only be connected to a mains supply outlet with a protective earthing connection.
• The wires in the mains lead are coloured in accordance with the following code:

BLUE   -   NEUTRAL
BROWN   -   LIVE
YELLOW/GREEN -   EARTH

GREEN+YELLOW TO EARTH

BLUE TO NEUTRAL

FUSE
BROWN TO LIVE
CORD GRIP
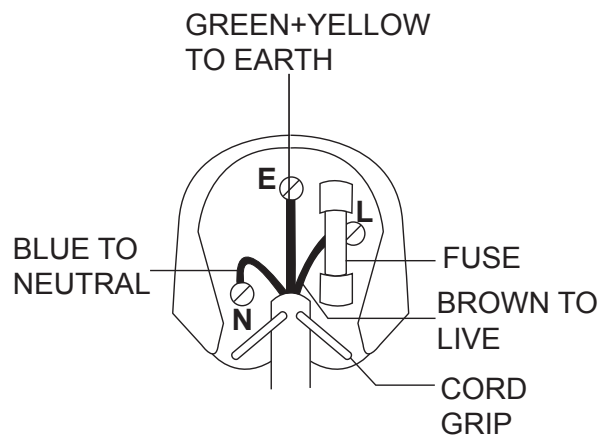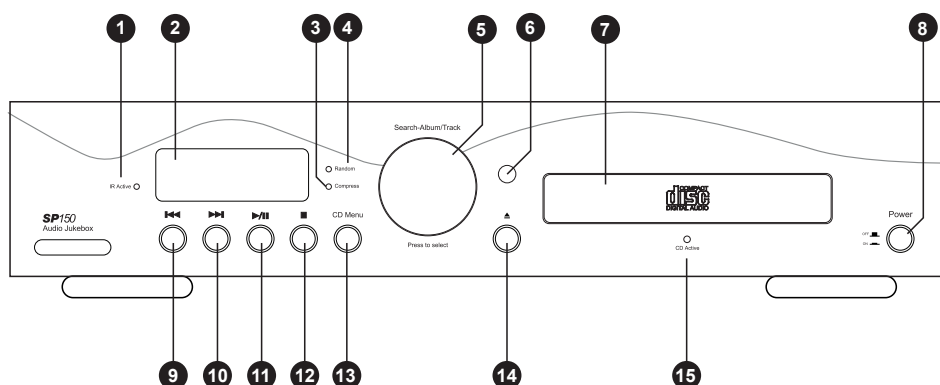
Front Panel Reference Chart

1	IR ACTIVE	Remote in use indicator
2	LCD DISPLAY	LCD display containing information
3	COMPRESS	File compression in progress
4	RANDOM	Random mode active
5	SEARCH-ALBUM/ TRACK	Scroll through albums/Tracks on the hard drive
6	IR SENSOR	Sensor for remote control
7	CD DRAWER	CD loading drawer
8	POWER BUTTON	Power On / Off switch

|		
9	REWIND/SKIP	Fast rewind or skip backwards through track
10	FORWARD/SKIP	Fast forward or skip forwards through track
11	PLAY/PAUSE	Play / Pause track
12	STOP	Stop current track
13	CD MENU	CD play/load menu activation
14	EJECT	Eject the current CD in drawer
15	CD ACIVE	CD currently playing or transfering

REMOTE CONTROL FEATURES

WARNING:
• Non-rechargeable batteries are not to be recharged
• Only the recommended batteries or equivalents are to be used
• Batteries must be inserted in the correct (+) and (-) polarities
• Remove exhausted batteries
• Do not mix old and new batteries
• Do not mix batteries of different types

NOTE: If the remote control unit only works when operated near to the SP 150, replace the batteries. Use 2 x AAA 1.5V batteries only.

REMOTE CONTROL REFERENCE CHART
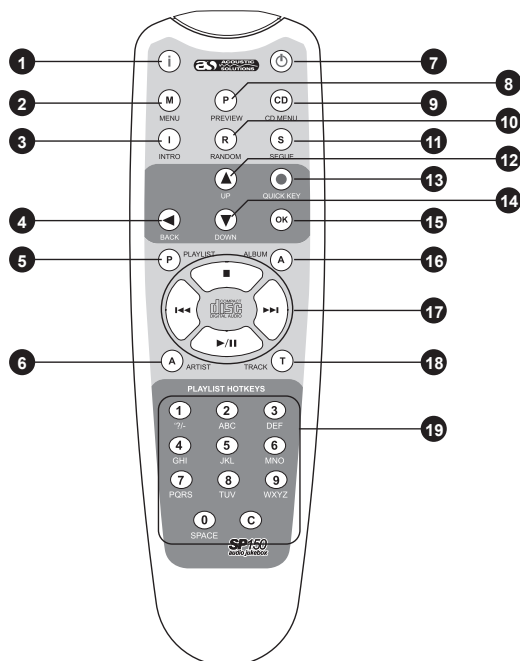
1	INFO	Displays hard drive data
2	MENU	Menu navigation button
3	INTRO	Activate intro mode
4	BACK	Skip back to previous function
5	PLAYLIST	Activate playlist menu
6	ARTIST	Search by artist from harddrive
7	STAND BY	On/off standby power function
8	PREVIEW	Activat preview mode
9	CD MENU	CD play/load menu button
10	RANDOM	Activate random play mode
11	SEGUE	Activate segue play mode
12	UP	Navigation key
13	QUICK KEY	Quick access to popular menu's
14	DOWN	Scroll down through menu's
15	OK	Select button for desired function
16	ALBUM	Search by album from harddrive
17	PLAY CONTROLS	Play/pause, Stop, FFW, RRW controls for CD or HD
18	TRACK	Search by track from harddrive
19	ALPHA/NUMERIC KEYS	Data entry keys, plus playlist hot keys

SET UP INSTRUCTIONS

The SP 150 HD juke box is similar to a conventional CD player, but has an integral 40Gb hard disc for storage.

It has been designed to be used as part of a Hi Fi system, and requires connection to an amplifier which accepts AUX or Line inputs.

The output of the SP150 can be adjusted (described on page 15), however the default output setting is 280 mV which is suitable for connection to most domestic Hi Fi equipment.

POSITIONING THE SP 150

The SP150 is designed to stack within a group of Hi Fi separates. It does not contain any ventilation grills, so the proximity of other equipment is not critical, however it is not advised to cover the SP150 with any material which might impair its cooling.

The unit can be placed on top of most other pieces of Hi Fi equipment, however it is our recommendation to place it on the top of any Hi Fi stack, and try to avoid placing it directly on top of any high-powered equipment which may generate excessive heat or electronic radiation, eg. a power amplifier.

CONNECTION OF AUDIO OUTPUT

Note: Please connect audio output leads first before connecting the mains power to the SP150.

The SP150 is fitted with two RCA phono jacks which deliver line level audio signals to a suitable amplifier. Using the lead supplied take one end and push both the white and red RCA plugs into the corresponding sockets located on the rear of the SP150.

Ensuring that no twists or kinks are apparent, or that the cable has been damaged in any way, take the other end of this cable and push the RCA plugs in to corresponding input sockets on the rear of your amplifier.

Please ensure that you have connected the SP150 to corresponding line input sockets, and not a phono (turntable) input sockets. This would cause the phono sockets to become overloaded.

CONNECTION OF MAINS POWER

The SP150 is fitted with a mains power plug which is applicable to your worldwide location.

Note: if the power plug fitted to the SP150 does not match the power sockets used in your worldwide location, please consult your dealer for further information.

The SP150 is fitted with a self regulating power supply and will automatically adjust to the voltage setting in your region.

Please ensure that the power lead is free from damage, and has not been twisted or kinked.

If the power cable fitted to the SP150 is damaged in any way, please do not connect to a mains power supply, but return the unit to your dealer for a replacement product.

If your mains power outlet is switched, ensure the power is switched off and then connect the SP150 to the mains power supply pushing the plug firmly into the socket. Then turn the power switch on the mains power outlet to on.

TURNING THE POWER ON/OFF

The power button on the SP150 is located on the far right of the front panel. Located next to the power switch is an LED (light emitting diode) which indicates that the power is ON when it is green. The LCD screen will also illuminate and has a green-yellow background light.

To turn ON the SP150, depress the power switch until you hear and feel a positive click. At this time the LED will be green.

To turn the SP150 OFF, simply reverse the process above, the LED will also go off.

Note: It is safe to leave the SP150 connected to the mains power supply for a reasonable length of time, however as with most electrical equipment, you would be advised to remove connection to the mains power supply if the unit was going to be left unattended to considerable lengths of time.

STANDBY POWER SETTING

The SP150 has a standby power setting which can only be operated by the remote control by pressing button 7.

The SP150 has been designed to offer automatic file compression as a default factory setting. This means that the file compression process will take place without the need for compression programs that would be necessary when using a computer.

It is necessary for the SP150 to be placed in standby mode periodically as file compression is a process which occurs automatically whilst in standby mode or can be controlled on manually from the system menu (see advanced functions page 14 for further information on file compression)

Press the standby button on the remote control to place the SP150 in standby mode, and file compression will start. If you press the standby button on the remote control again within 5 seconds the file compression process will cease and the SP150 will revert to standby without file compression. If after 5 seconds, if you press the standby button again, the SP150 will resume normal function.

STANDBY POWER SETTING cont.

The SP150 will automatically stop file compression when this process has been completed.

It is necessary for file compression to occur to allow music which is stored in the SP150 to be compressed to make best use of the capacity of the hard drive. Therefore we recommend that the SP150 is put into standby mode overnight to allow this process to be done.

In STANDBY mode the power LED on the front panel will illuminate RED, and the COMPRESS LED on the front panel will flash YELLOW when files are being compressed.

We recommend however that if the SP150 is left unattended for prolonged amounts of time that standby mode is not used, but the mains power be disconnected from the appliance.

START UP ROUTINE

When power is applied to the SP150, the internal electronics will commence a start up routine.

This is not dissimilar to a computer as some of the components used in the SP150 are derived from computer technology.

You will see the following sequence appear on the LCD screen;

```
ASL SP150          ACOUSTIC
                   SOLUTIONS

Powered By           Ready
   3GA
```
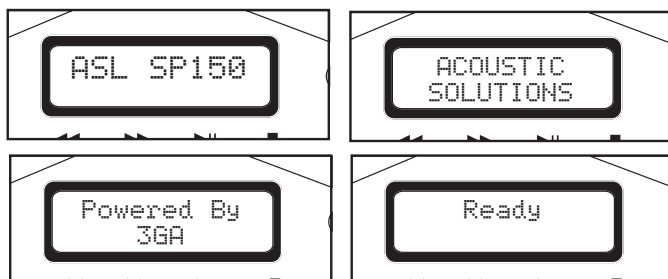
It is important that the last screen displays 'Ready'. The system is now fully functional and ready to work.

Note: Please do not turn the power off during the above process as this may cause damage to the file structure located on the hard drive.

If 'Ready' is not displayed on the LCD screen, then it will be necessary to re-boot the system.

Initially turn the power off using the power switch on the front panel. Wait a few seconds then switch the power back on by pressing the power switch again.

If this is not successful, please either consult your local dealer or ring our customer support helpline on:

08712 307747 inside United Kingdom
+441327 340601 outside United Kindom

Please note that our customer helpline is open
Mon-Fri 09:00-16:30 (GMT) excluding National holidays.

TO PLAY A CD

GETTING STARTED

The SP150 is designed to be simple to operate, and the sequence for playing or transferring music to the hard drive should become easily understood once you have become accustomed to the SP150.

Note: When you operate the SP150 for the first time the internal hard drive will be empty and contains no music. Therefore certain keys on the front panel and remote control will not function.

It is necessary to record music onto the hard drive for these functions to become effective.

1. Press eject on the front panel (14), to open the CD drawer.
2. Place a CD into the drawer with the label uppermost and press eject again.
3. The CD drawer will close load the CD, and it will prompt you to decide:
   - either to play the CD as normal, or
   - to load the contents of the CD onto the hard drive.
4. Using the up/down keys on the remote control (12 and 14), toggle between play or load depending on what you decide.

TO PLAY A CD

1. Toggle to PLAY using the up/down keys on the remote control, and then press OK on the remote control (15)

2. The SP150 will then use the database of known CDs it has stored in memory to indentify the CD you wish to play

You will see screen similar to this:

```
1 The Very best
Select CD name!
```
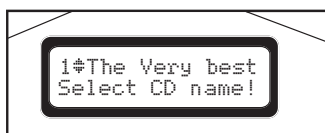
3.Use the up/down keys on the remote control to search through the titles of the CD names stored to locate the correct title.

4. If the correct CD title is not shown, this will be because the CD is not stored in the database (see updating database in user manual page 15), in this case choose 'Other' from this menu and the SP150 will display tracks as numbers rather than by their name when playing this CD.

5. If you find the correct CD title from the list, press OK on the remote control and the SP150 will commence playing the first track on the CD.

The CD active light on the front panel will illuminate to indicate that the CD is playing

The following information will be displayed in the LCD screen when playing music from the CD

```
Kia / My neck-
▶ CD 1/20 0:14
```
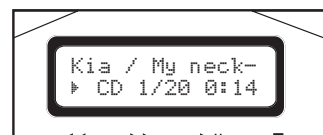
The title and artist information will scroll across line one, the second line of the display will show the play/pause status, track number from within that album, and a count up of track time.

The letters CD will also be displayed on the second line, which indicates that the CD is being played rather than tracks from the hard drive (HD)

OTHER CD CONTROLS

Whilst playing a CD the SP150 operates similarly to a conventional CD player. The following keys are effective from either the remote control or the front panel:

>>I (skip up/fast forward)
Press this key once to advance to the next track on the CD . Hold this button down to fast advance through the current track on the CD. (Note that the fast forward function does not operate from the remote contol).

I<< (skip back/fast reverse)
Press this key once to skip backwards to the previous track on the CD. Hold this button down to fast reverse through the track on the CD (Note that the fast reverse function does not operate from the remote contol).

►/ II (play/pause)
During play mode pressing this key will pause the CD playing, and the pause symbol will be displayed on the LCD screen.

```
Kia / My neck-
II CD 1/20 0:14
```
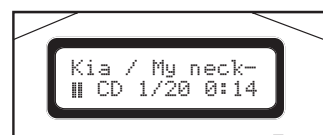
During pause mode pressing this key again will resume playing the CD, and the play symbol will be displayed on the LCD screen.

■ (stop)
During play mode pressing this key will completely stop the CD playing, the LCD screen will prompt you to 'please wait', and then the LCD will display 'Ready'.

Please note: After playing a CD and returning to the 'Ready' menu, if you wish to play the CD again it is necessary to re-start the CD playing process. Either eject the CD drawer, or press CD Menu on the remote control (9) or (13) on SP150 front panel. The start up process for CD play will then recommence.

The default controls for the SP150 affect tracks stored on the hard drive, and therefore pressing play from the ready menu will take you to tracks stored on the hard drive in the first instance.

TO LOAD A CD TO THE HARD DRIVE

TO LOAD A CD ONTO THE HARD DRIVE

1. As described above when inserting a CD into the SP150 you will see the following screen:

```
        Play
Load or Play CD?
```
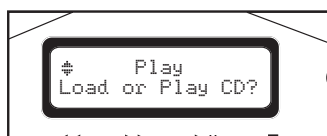
2. Using the up/down keys on the remote control (12 and 14), select load and press OK on the remote control (15).

3. The SP150 has an automatic file compression system which works in standby mode (see later section for an explanation on compression on page 14). You are asked a question 'compress later?'

You will see this screen:

```
        Yes
Compress Later?
```
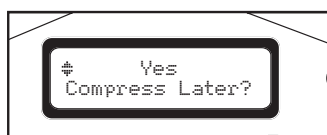
Using the yes/no command you can tell the SP150 to either compress this music, "yes", or do not "no". The reason for this is some music formats, such as classical music for instance, are better reproduced when they are not compressed. Therefore using this command you can exclude certain CDs from being compressed automatically.

4. Using the up/down keys on the remote control (12 and 14) toggle between yes and no as required, then press OK on the remote control (15) to select.

5. You will be asked to select a CD name from the music title data base stored on the SP150.

6. Use the up/down keys on the remote control to search through the titles of the stored CD names to locate the correct title.

10. If the correct CD title is not shown, this will be because that CD is not stored in the database (see updating database page 15). In this case choose 'Other' from this menu and the SP150 will display the tracks as numbers.

The SP150 will automatically name the album, such as "Album 1", and will number subsequent unknown albums in sequential order, such as "Album 2, 3, 4" etc.

11. When you have decided on the title of the CD then press OK (15) to start the file transfer process.

12. If the CD has been previously copied to the hard drive you will be asked if you wish to 'overwrite'?. You may wish to do this if the previous copied CD stored on the hard disc drive was corrupt in any way.

Using the up/down keys on the remote control (12 and 14) toggle between yes and no then press OK.

13. The SP150 will overwrite the existing CD if you choose yes, or return to the ready menu if you choose no.

You will see the following screen when file transfer is underway:

```
      Ready
28% track 2/20
```
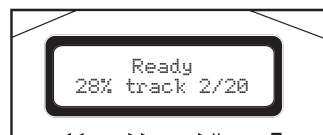
14. You will see the progression of the file transfer process by the percentage figure of each track, and the particular track being copied on the second line of the LCD display

Note: The file transfer process of the SP150 is one of the fastest on the market. When the SP150 is new this will be fastest, as the hard drive is empty, and this transfer rate will slow as the hard drive becomes fuller.

PREVIEW MODE DURING FILE TRANSFER

As the CD is being copied to the hard drive it is possible to listen to a preview of each track as is is transferred. This length of each preview is dependent on the speed of transfer, but should be between 10-25 seconds of each track.

1. To turn the preview mode ON, press the preview button on the remote control (8).
2. Pressing this button repeatedly will toggle between preview ON and preview OFF.
3. Choose either ON or OFF, and the SP150 will select this setting after 2-3 seconds, and will then return to the previous menu.

OTHER FUNCTIONS DURING FILE TRANSFER

Unlike many other hard drive systems, it is possible to access tracks already stored on the hard drive whilst recording a new CD to the hard drive.

Please refer to the section "playing music from the hard drive" for information on these functions.

Note: the file transfer process will be slower if music is played from the hard drive during the file transfer process.

WHEN FILE TRANSFER IS COMPLETE

When the tracks from the CD have been copied to the hard drive you will LCD screen displays similar to these:

```
Copying done          Ready
```
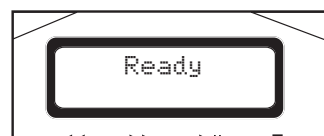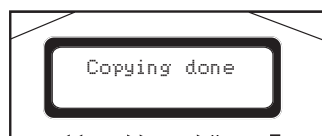
Ready indicates that the SP150 has finished this operation and awaits further instructions

TO PLAY MUSIC FROM THE HARD DRIVE

The SP150 is designed to allow you easy access to a large amount of music stored on the hard drive.

There are many ways in which you can use the SP150, and different options for how to access your music.

The following paragraphs explain the functions of the SP150 when using the hard drive.

PLAY MODES

1. RANDOM
The SP150 can treat your entire stored music collection as one big album and can randomly jump between all tracks. This gives an endless assortment of music.

Note: When in random mode the SP150 will decide which track to play next. When first using a hard drive juke box system this can be disconcerting as you may expect the next track on a particular album to be played.

The SP150 has a red LED indicator on the front panel (4) to show that Random has been selected. Please note that the random feature has no memory and tracks are randomly selected, therefore it is conceivable that the same song may be played more than once.

2. SEGUE (pronounced "seg-way")
This allows the SP150 to mix tracks together continuously. As one track finishes it is mixed together with the next track to provide a seamless transition. This feature gives a polished overall performance, and is especially useful when using the SP150 for parties or gatherings giving uninterrupted musical accompaniment.

3. INTRO
In this mode the SP150 will play the first 15 seconds of a track and then move to the next track. This allows you to listen and decide if you wish to hear that particular track. If you wish to listen to that track press PLAY during the 15 seconds, and the SP150 will play the entirety of that track and then revert to the intro mode after that track.

All of the above modes are user-selectable; to change any of these settings use the following process:

1. Use the remote control to select which mode function you wish to change (buttons 10, 3, 11)

2. Press this button once to display the current setting.

3. Press this button repeatedly to toggle between ON or OFF.

4. Select ON or OFF and leave the SP150 to select this command.

PLAY COMMANDS FOR HARD DRIVE

In this mode the SP150 operates in a similar way to a normal CD player but will play tracks from the hard drive.

The information displayed in the LCD screen when playing music from the hard drive is similar to that when playing directly from a CD, however you will notice that the letters HD appear on the second line on the display rather than CD.

You will see an LCD screen similar to this:

```
Mine Beatles t
▶ HD 4/12  0:56
```
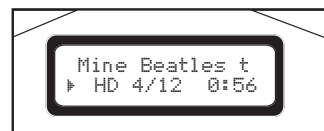
The title and artist information will scroll and display on line one, the second line of the display will show play/ pause status, track number from within that album, and a count up of the track time.

The following keys are effective from either the remote control or the front panel:

1. ►/ II (play/pause)
During play mode pressing this key will pause the hard drive playing, and the pause symbol will be displayed on the second line of the LCD screen.

```
Mine Beatles t
II HD 4/12  0:56
```
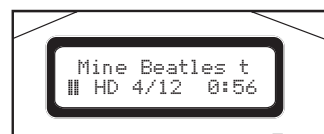
During pause mode pressing this key once will resume playing the CD, and the play symbol will be displayed on the LCD screen.

2. >>I (skip up/fast forward)
Press this key once to advance to the next track. Hold this button down to fast advance through the current track. (Note that the fast forward function does not operate from the remote contol).

3. <<I (skip back/fast reverse)
Press this key once to skip backwards to the previous track. Hold this button down to fast reverse through the current track. (Note that the fast forward function does not operate from the remote contol).

4. ■ Stop
During play mode pressing this key will completely stop the hard drive playing, and the LCD will display 'Ready'.

Note: Unlike playing the CD as described in the previous section, if the play button is pressed again, the SP150 will continue from the previous playing position from the hard drive.

The SP150 will also remember the last playing position after the power has been switched OFF. Pressing play from the hard drive menu will resume playing from the same position again.

SEARCH COMMANDS WHEN PLAYING HARD DRIVE

Because the SP150 contains a database of known albums and song titles, it is possible to search the entire contents of the hard drive to find a specific album, song or artist.

SEARCH BY ARTIST

The SP150 will allow searches by artist, this will show both complete albums by that artist, and also individual tracks within compilation albums.

1. Press the artist button on the remote control (6)

```
 -   enter text
   Find Artist
```

2. Use the alpha numeric key pad on the remote control to enter the artist's name

3. As you enter the name, the SP150 will display the total number of matches for the characters entered. Use the 'C' key to delete any unwanted characters.

```
marco_
      4 matches
```
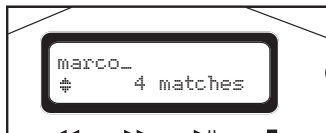
4. In this situation 4 matches can be found for the input characters.

5. Use the arrow keys on the remote control (12 and 14) to scroll up and down through the choices.

6. Press OK or play on the remote control (15) to select this artist. The track selected will then begin to play.

SEARCH BY ALBUM

The SP150 will allow searches by album title. Because the database can sometimes store both artist and album names together, it is possible that searches can produce results based on either pieces of information

1. Press the album button on the remote control (16)

```
 -   enter text
   Find Album
```

2. Use the alpha numeric key pad on the remote control to enter of the album title.

3. As you enter characters the SP150 will display the total number of matches for the characters entered. Use the 'C' key to delete any unwanted characters.

```
a_
   2 matches
```
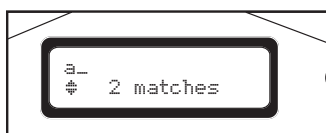
4. In this case 2 matches can be found for the characters entered.

5. Use the arrow keys on the remote control (12 and 14) to scroll up and down through the choices.

6. Press Play on the remote control to commence playing that album immediately, or press OK on the remote control (15) to select this album.

7. If you press OK the SP150 will then prompt you for further actions.

8. Use the arrow keys on the remote control (12 and 14) to scroll up and down through these choices:
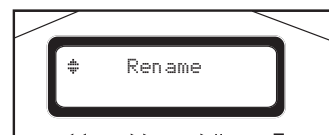Play, Compression, Rename , Delete.

The following screens will be displayed.

```
      Play
```

Press OK if you wish to play this album

```
   Compression
```

Press OK if you wish to change the compression settings stored against this album. Using the arrow keys to select between yes/no will tell the SP150 if you wish to compress this track later or not, then press OK.

```
      Rename
```

Press OK if you wish to rename this album. Use the arrow keys on the remote control (12 and 14) to advance through the title, then use the C (cancel) key to delete characters. Use the alpha numeric keys to enter a new title. Press OK (15) when complete.

```
      Delete
```
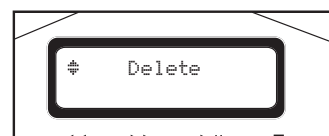
Press OK if you wish to delete this album. You will be asked if you are sure, press OK to continue, or press back to exit this function.
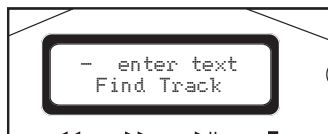
Note: This process cannot be reversed and the CD will need to be reloaded.

SEARCH COMMANDS WHEN PLAYING HARD DRIVE

SEARCH BY TRACK

The SP150 will allow searches by track title.

1. Press the track button on the remote control (18)

```
 -  enter text
   Find Track
```

2. Use the alpha numeric key pad on the remote control to enter the name of the track.

3. As you enter the name, the SP150 will display the total number of matches for the characters entered. Use the 'C' key to delete any unwanted characters.

```
a_
 ⬍   13 matches
```

4. In this situation 13 matches can be found for the characters entered.

5. Use the arrow keys on the remote control (12 and 14) to scroll up and down through the choices.

6. Press Play on the remote control to commence playing immediately, or press OK on the remote control (15) to select this album.

7. The SP150 will then prompt you for further actions.

8. Use the arrow keys on the remote control (12 and 14) to scroll up and down through choices:
Play, Delete track, Rename album, Rename track, or Add to Playlist.
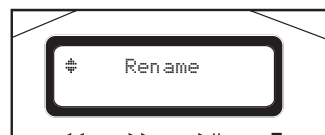
The following screens will be displayed.

```
 ⬍      Play
```

Press OK if you wish to play this track

```
 ⬍  Delete track
```

Press OK if you wish to delete this track. You will be asked if you are sure, press OK to continue, or press back to exit this function.
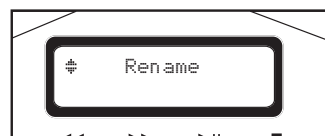
Note: This process cannot be reversed and the CD will need to be reloaded.

```
 ⬍    Rename
```

Press OK if you wish to rename the Album title.

Use the arrow keys on the remote control (12 and 14) to advance through the title, then use C (cancel) key to delete characters.
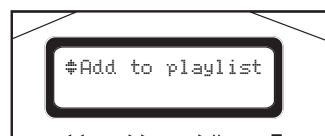
Use the alpha numeric keys to enter a new title. Press OK (15) when complete.

```
 ⬍    Rename
```

Press OK if you wish to rename the track.

Use the arrow keys on the remote control (12 and 14) to advance through the title, then use C (cancel) key to delete characters.

Use the alpha numeric keys to enter a new title. Press OK (15) when complete.

```
 ⬍Add to playlist
```

Playlists are explained in more detail in the next section. This track can be added either to a new playlist or to an existing play list.

1. Using the arrow keys on the remote control (12 and 14) choose either a new playlist or scroll through existing ones. If no existing playlists are present the SP150 will prompt you to create a new playlist (see playlist commands section)

2. Press OK to select.

3. If new playlist has been selected then you will need to enter a name for it using the alpha numeric keys.

4. Press OK to confirm the name of the new play list and add this track to it.

5. If you selected an existing playlist, press OK to add this track to it.

```
 ⬍Add to playlist
```

```
 ⬍   New Playlist
     Add track
```

```
 ⬍    Done!
```
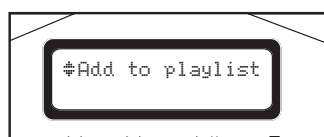
PLAYLIST COMMANDS

The SP150 allows an infinite number of playlists to be created limited only by the spare capacity on the hard drive. These could be used by individual family members, or represent music styles or tastes. Any track which is stored on the hard drive can be added to the playlists to create individual compilations.

Once a playlist has been created it can be recalled at any time. Once all tracks stored in the playlist have been played, the SP150 will stop further playing.

When in playlist mode the SP150 will operate the play commands as described in previous chapters with the following buttons being effective;

►/ II (play/pause)
>>I (skip up/fast forward)
■ Stop

If the skip up button is pressed at the end of a playlist, the next available track from the album of the last stored song in the playlist will be played, or if the random button is pressed a randomly selected track will be played next.

The Random Play mode is ineffective when in playlist mode, The playlist will play in order the tracks were stored when the playlist was created.

1. To access the playlist menu press the playlist button on the remote control (5)

2. Use the arrow keys on the remote control (12 and 14) to scroll up and down through the choices.

ADD TO PLAYLIST

Use this function when you wish to add a track playing on the hard drive.
1. Press OK from the remote control to access this function.
2. Using the arrow keys on the remote control (12 and 14) choose either new playlist or scroll through existing ones.
3. Press OK to select.
4. If new playlist has been selected then you will need to enter a name for it.
5. Press OK to confirm the name of the new play list and add this track to it.
6. If you selected an existing playlist, press OK to add this track to it.

RENAME PLAYLIST

Use this function to rename an existing playlist.
1. Press OK on the remote control to see existing playlists.
2. Using the arrow keys on the remote control (12 and 14) scroll through existing playlists.
3. Press OK to select a playlist.
4. Use the arrow keys on the remote control to advance through the playlist names, then use C (cancel) key to delete characters. Use the alpha numeric keys to enter a new name.
5. Press OK (15) when complete.

EDIT THE PLAYLIST

Use this function to edit the tracks in an existing playlist.
1. Press OK on the remote control to see existing playlists.
2. Using the arrow keys on the remote control (12 and 14) scroll through the existing playlists.
3. Press OK to select a playlist.
4. The top line of the display shows the artist name and track title, the bottom line shows the cut and past commands.
5. Using arrow keys on the remote control (12 and 14) scroll through the tracks stored in the play list.
6. When you have reached the end of the tracks in the play list you will see the word –end-.
7. From the track list select the track to be edited.
8. Press the C key on the remote control to delete this selection.
9. This cut selection can be pasted in another number location if required, or deleted.

```
1# the Very best
  c=cut p=paste
```
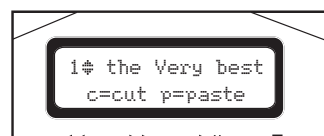
10. To paste into another number location, use the arrow keys on the remote control to select the desired number. Then press OK on the remote control.
11. To delete this track from the playlist, press OK on the remote control after the selection had been deleted.
12. If you wish to delete more than one track then after deleting the previous track continue through the track list and continue to delete those no longer required by pressing C on the remote control.
13. When finished press OK, which will return you to the ready menu.

```
    Ready
```

DELETE PLAYLIST

Note: This process cannot be reversed and the CD will need to be reloaded.
Use this function to delete a playlist permanently from the SP150
1. Press OK on the remote control to show the playlists stored
2. Using the arrow keys on the remote control (12 and 14) scroll through the existing playlists.
3. Press OK to select a playlist to be deleted.
4. You will be asked if you are sure?
5. Press OK to continue, or press back to exit this function.

Note: This process cannot be reversed and the playlist will need to be recreated.

PLAYLIST COMMANDS

NEW PLAYLIST

Use this function to create a new playlist in preparation for adding tracks to it.
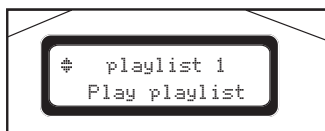
1. Press OK on the remote control to enter this menu
2. You will be asked to enter the playlist name
3. Use the alpha numeric keys on the remote control to input characters.
4. Use the C (cancel) key to make corrections.
5. Press OK when the name is correct
6. This play list (empty) has been stored ready for tracks to be added.

```
    ⊕ New Playlist
```

```
  Playlist name _
    New Playlist
```
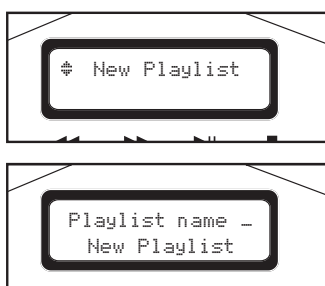
PLAY PLAYLIST

Use this function to play a saved playlist.

1. Press OK on the remote control to enter this menu
2. Using arrow keys on the remote control (12 and 14) scroll through existing playlists to choose one.

```
  ⊕    playlist 1
     Play playlist
```

3. When you have selected a playlist, press OK on the remote control to select this playlist.
4. Your selected playlist will commence playing.

INTRO MODE IN PLAYLIST

Intro mode can be used when playing a playlist. As described on page 8, the intro mode will play the first 15 seconds of each track in a playlist.

To activate the intro mode:

1. Use the remote control to select intro mode by pressing button 3.
2. Press this button once to display the current setting.
3. Press this button repeatedly to toggle between ON or OFF.
4. Select ON or OFF and the SP150 will accept this command.

If you wish to listen to a track, press the play button once during the 15 seconds intro and the SP150 will play the entirety of that track, and then revert to the intro mode from that point.

PLAYLIST HOT KEYS

The SP150 has the ability to provide one key instant access to playlists from the numeric keys on the remote control.

This shortcut is limited to 10 playlists, and works with the keys 0 to 9.

When naming your playlist, if you include a number after the title, such as Paul 1 or Simon 2, when the 1 or 2 key is pressed on the remote control, this playlist will be automatically selected and played.

This feature is effective if planning playlists for use during an event when perhaps you would have 10 stored playlists which represented different moods or times during that event.

If two playlists are stored with the same number suffix, ie Paul 1 and Simon 1, the SP150 will recognise the first playlist created with that particular number.

As has been described in previous chapters the front panel controls for the following functions are effective for both hard drive and CD control:

►/ II (play/pause)
>>I (skip up/fast forward)
<<I (skip back/fast reverse)
■ Stop

These functions operate in the same manner as has been described in previous chapters.

Rotary Dial

The rotary dial on the front panel allows instant access to all stored albums on the hard drive.

1. Turn the Search-Album/Track dial on the front panel once.

2. The LCD display will display the Albums stored.

```
1♦Norah Jones /
  HD Feels Like
```
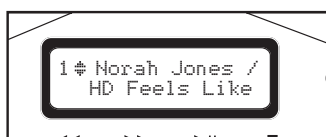
3. Rotate the Search-Album/Track dial on the front panel clockwise to scroll up through the albums stored on the hard drive, or anticlockwise to scroll down through the albums stored.

4. When you have located the album you wish to listen to, press the Search-Album/Track dial on the front panel once to select this album.

5. Then by rotating the Search-Album/Track clockwise you are able to search through the album to select the track you wish to play. Turning the dial anticlockwise searches back through the tracks on that album.

6. Press the dial once to select the track you wish to play.

7. The SP150 will play the entire album from the track selected, and then will play the next album stored on the hard drive.

Please note that if Random is selected, after playing the entire album the SP150 will resume random play of the contents of the hard drive.

8. The following modes are usable when playing a slected album using the rotary dial:

Intro mode
Segue
Playlist contols

These options operate in the same manner as described in previous chapters.

Please note:

When using the rotary dial to locate an album and then a desired track, the remote control functions for search up/down are disabled, only the play function on the remote control will operate. All remote control functions will resume when selection has been made.

ADVANCED FUNCTIONS

In this part of the instruction manual we explore features on the SP150 which are not normally accessed for everyday use and explain some of the technology used.

INFO BUTTON

Use this button to give the status of the total number of tracks stored on the SP150, and to display how many of those are compressed. It will also show the amount of space used on the hard drive, and the remaining capacity.

1. Press the INFO button on the remote control (1)

2. The LCD display will show the following information:

```
31 Songs
31 Compressed
```

3. This shows that of the 31 songs stored all 31 are compressed. When in standby mode no further compression will take place as it is not necessary.

4. The display will then show a status of the disc capacity

```
0.74Gb used
38.32 Gb free
```

5. The SP150 has a total hard drive capacity of 40Gb. In this situation only 0.74Gb has been used leaving a further 38.32Gb storage capacity.

6. The SP150 will automatically return to the Ready menu after displaying this information.

Please note that the SP150 will use some of the capacity of the hard drive to store information such as playlists and the database of album names and track titles. Therefore the number of tracks compressed compared to spare capacity on the harddrive is not simply a linear relationship.

QUICK KEY

When playing the hard drive it is possible to use the quick key to access the following functions:

Delete track
Rename album
Rename track
Add to playlist

1. Use the arrow keys (12 & 14) on the remote control to scroll through the choices.

2. Press the OK button on the remote control (15) to make a selection.

3. Follow the procedure for each process as described in the relevent chapters in this manual.

MENU BUTTON

The menu button is used for system set up changes, and there are 3 top level menus to choose from.

1. Compression On/Off
2. System
3. Compression settings

To access these menus press the menu button, and you will see the following screens:

COMPRESSION ON/OFF

```
⬍Compression On
```

Compression On/Off. This allows the compression process to be activated manually outside of the automatic process which occurs when the SP150 is in standby mode.

1. To turn compression on press the OK button on the remote control.

2. The compression light on the front panel will illuminate to indicate this function is active.

3. All other controls can be operated whilst the SP150 is in the compression mode.

4. To deactivate compression press the menu button again on the remote control. The first menu function will show compression off. Press OK button on the remote control to turn off this compression feature.

SYSTEM MENU

```
⬍    System
```
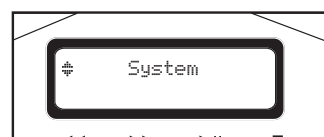
The system menu allows changes, information and upgrades to occur to the SP150 operating system.

1. To enter the system menu press OK on the remote control.

```
⬍ Output level
```
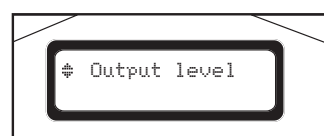
2. The first system menu is Output level.

ADVANCED FUNCTIONS

OUTPUT LEVEL

```
  ↕   Volume 27
      Adjust Level
```

1. The output signal level of the SP150 can be changed to match the input sensitivity of the amplification equipment it is connected to.

2. The default output level setting of the SP150 is 27, this equates to 280mV.

3. To alter this setting use the up/down arrow keys on the remote control to select a level between 0 and 31.

4. Press OK to confirm your selection, or after a time out period of 30 seconds the SP150 will accept this new output setting and revert back to the normal play menu.

5. The following table represents the respective output senstivity levels for the output level numbers:

Volume setting table:

Volume 0	2mV
Volume 3	4mV
Volume 7	8mV
Volume 11	17mV
Volume 15	35mV
Volume 19	70mV
Volume 23	140mV
Volume 27	280mV
Volume 31	560mV

SOFTWARE REVISION NUMBER

It is possible to check the revision number of the software loaded onto the SP150.

From the System menu when scrolling through options you will see a screen similar to this:

```
  ↕21/02/05 14:45
```
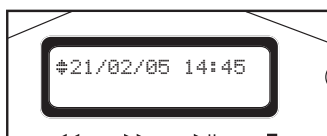
CHECK DISK

The SP150 will allow some self diagnostics on the hard drive. This may be necessarry if the SP150 malfunctions or develops a problem.

From the System menu scroll down using the up/down keys on the remote control until you see the check disk screen:

```
   Checking Disc
```

Press the OK button on the remote control to initiate a check of the harddrive

After the SP150 has checked the hard drive, if there is any malfunction it will display a malfunction code.

Please consult your local dealer or ring the Acoustic Solutions customer helpline for further information.

08712 307747 inside United Kingdom
+441327 340601 outside United Kindom

Please note that our customer helpline is open
Mon-Fri 09:00-16:30 (GMT) excluding National holidays.

UPGRADE

As software updates become available it is advisable to install these.

Note: please ensure that you have registered your SP150 using the warranty card to ensure that you receive the latest updates.

If it is necessary to update the operating software, this will be introduced into the SP150 on a CD rom.

1. Press eject on the front panel (14), to open the CD drawer.
2. Place the update CD into the drawer with the label uppermost and press eject again.
3. The CD drawer will close load the CD, and it will display that the CD is not an audio CD.
4. From the System menu select the "Upgrade" function and press "OK" on the remote control (15).
5. The SP150 will then update the operating software from the CD rom in the CD drawer.
6. The SP150 will then prompt you to reboot the system for the new software to take effect. This will require the power to be turned off, and then on again using the power button on the front panel (8).

UPDATE CDDB

The SP150 uses the CDDB database to name CD's which are played or stored on the hard drive.

Note: please ensure that you have registered your SP150 using the warranty card to ensure that you receive the latest updates. These are free for the first 12months.

It will be necessary to update the CDDB database to ensure that the latest CD releases are recognised by the SP150, and this will be introduced into the SP150 on a CD rom.

1. Press eject on the front panel (14), to open the CD drawer.
2. Place a CD into the drawer with the label uppermost and press eject again.
3. The CD drawer will close load the CD, and it will display that the CD is not an audio CD.
4. From the System menu select the "Update CDDB" function and press "OK" on the remote control (15).
5. The SP150 will then update the database from the CD

rom in the CD drawer.

6. The SP150 will then prompt you to reboot the system for the new database to take effect. This will require the power to be turned off, and then on again using the power button on the front panel (8).

COMPRESSION SETTINGS MENU

The compression settings menu allows changes to be made to the compression bit rates and also to the automatic compression process when in stand by.

```
   ┌──────────────────────┐
   │  ♦ Compression       │
   └──────────────────────┘
```

The compression level can be altered to compress the contents of the harddrive to different quality levels.

The choices are:

Most compressed	128Kb
Normal	192Kb
High quality	320Kb

If you wish to store the maximum number of songs on the hard drive, choose the setting "Most compressed", however the audio quality will be the lowest. Conversely for the least amount of songs stored but with the highest audio quality choose 'High quality'.

The Factory default setting is Normal.

For every day use the normal setting will give a good compromise between storage and sound quality.

Note: In the process of loading a CD into the SP150, you are asked to decide if this CD is to be compressed later. If a disc is required to be stored with ultimate sound quality ensure that when asked to "compress later" the no option is chosen. This will mean that this CD will be stored as a faithful reproduction of the original without any compression being applied.

To change compression settings:

1. From the menu Compress level, press OK on the remote control (15) to select this menu.

```
   ┌──────────────────────┐
   │ ♦Most Compressed     │
   │    Select level      │
   └──────────────────────┘
```
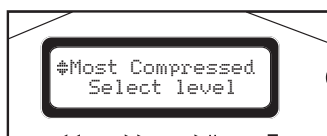
2. The LCD display will show 'Most compressed', using the arrow keys on the remote control (12 and 14) search through Most compressed, High quality and normal.

3. When you have decided which compression level you require press OK to select.

4. After 30 seconds of inactivity the SP150 will return to the previous operating menu position.

```
   ┌──────────────────────┐
   │       Ready          │
   └──────────────────────┘
```

The Compress Mode menu allows the automatic compression process to be changed to a manual operation.

The factory default setting is 'Compress auto'. This means that the SP150 will automatically compress un- compressed files when placed in standby power mode.

Changing this setting to 'Compress manual' will mean that the compression process will need to be started manually by using the compression on/off menu as described in previous chapters.

To change the compression mode:

1. From the menu Compress mode, press OK on the remote control (15) to select this menu.

2. The LCD display will show 'Compress auto', using the arrow keys on the remote control (12 and 14) scroll between Compress auto and Compress manual.

3. When you have decided which compression mode you require press OK to select.

4. After 30 seconds of inactivity the SP150 will return to the previous operating menu position.

ADDITIONAL INFORMATION

SERVICE MENU

For service menu's:

Format HD
Fix HD
Copy HD

Please contact our customer support helpline on:

08712 307747 inside United Kingdom
+441327 340601 outside United Kindom

Please note that our customer helpline is open
Mon-Fri 09:00-16:30 (GMT) excluding National holidays.

SPECIFICATION

NOTE:

The SP150 will only play/record from CDs, and is not compatible with MP-3 discs.

The SP150 will play/record from both CD-R and CD-R/W CDs.

Power supply details:

power supply	-	100 to 230 Volts AC
frequency	-	50/60Hz
consumption	-	50 Watts

Output voltage	-	< 2mV-560mV
Harmonic distortion	-	> 0.1% THD + N
Signal-to-Noise ratio	-	> 70 dBV

Processing:
16 bit Digital Processor
32 bit DSP
Compression 15:1 (in approx 90% real time)

CD Drive:
52 x playback
CD rip time   -   < 3 minutes (typical)

Hard Disc Drive:
40Gb capacity
Access time   -

Display   -   2 x 16 character backlit
LCD

Physical dimensions
Measurments   -   43W x 28.5D x 9.5H (cms)
Weight   -   4.8 Kg

CONTACT DETAILS

We trust you are completely satisfied with this product from Acoustic Solutions Limited, however please feel free to contact us if you experience any difficulties, or if you would like to express your views regarding our products Please write to:

Acoustic Solutions Limited.
Grand Union Buildings
54 High Street
Weedon Bec
Northampton
NN7 4QD
United Kingdom
Telephone +44 (0)1327 340601
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www.acousticsolutions.co.uk
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