



800

REFERENCE  
DVD/CD PLAYER

USER GUIDE

BOOTHBY & STUART  
MERIDIAN

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BOOTHBY & STUART  
MERIDIAN



**Meridian 800 Reference DVD/CD Player  
User Guide**



# Copyright and acknowledgements

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## **Introduction**

Welcome to the Meridian 800 Reference DVD/CD Player!  
This User Guide provides full information about using the DVD/CD player in conjunction with your other equipment, to achieve the superb results you can expect from it.



## The 800 Reference DVD/CD Player

The design philosophy of the Meridian 800 Reference DVD/CD Player is simply to deliver the highest possible quality audio and video signals from every format of DVD and CD, without compromises at any stage. It combines Meridian's extensive experience in producing audiophile compact disc players with their experience in applying state-of-the-art digital processing techniques to audio and video equipment, resulting in a DVD/CD player that delivers reference quality signals whatever the media.

The 800 Reference DVD/CD Player uses a precision DVD-ROM drive with the audio and video data read asynchronously and then triple buffered to isolate output timing from the mechanics of the drive. The audio data is also de-jittered using precise master oscillators to give a clear, open, authoritative sound.

### Meridian multi-channel link

The 800 Reference DVD/CD Player incorporates a unique multi-channel link, which allows it to provide an upsampled 6-channel PCM stream to a compatible digital surround controller, such as the Meridian 861 Reference Digital Surround Controller, for the highest possible quality sound.

An additional feature of the Meridian multi-channel link is that it provides intelligent stream content information from the 800 DVD/CD Player, allowing the digital surround controller to select an appropriate preset depending on whether the source is music or a movie soundtrack, and whether it is 2-channel or multi-channel.

### DVD-Audio

DVD-Audio discs now make music recordings available with significantly higher quality than Audio CDs, with up to 24-bit resolution and up to 192kHz sampling rate. The 800 Reference DVD/CD Player is capable of taking advantage of the highest-quality audio available on DVD-Audio discs, and by using the proprietary MHR (Meridian High Resolution) encoding scheme, in conjunction with Meridian DSP Loudspeakers, allows the signal to be preserved at full resolution and sampling rate until the latest possible stage in the reproduction chain.

DVD-Audio discs are also capable of offering multi-channel audio. The 800 DVD/CD Player can be fitted with a multi-channel digital output card to allow up to six discrete channels to be connected to Meridian DSP Loudspeakers, or a digital surround controller with discrete multi-channel inputs, such as the 861.

The 800 DVD/CD Player also provides access to the range of additional features available on the DVD-Audio format, including still images and video sequences.

## **DVD-Video**

The multi-channel soundtracks on DVD-Video discs are encoded and compressed, using the Dolby Digital, MPEG, or DTS encoding systems. The 800 Reference DVD/CD Player uses mathematically precise digital signal processing (DSP) to decode the soundtrack into discrete channels. The video is processed using broadcast-quality video circuitry, with the ability to reproduce both PAL and NTSC video formats and to convert between them if the television or video display is not capable of displaying both formats.

## **Audio CDs**

Because the CD catalogue is so comprehensive, CD will be the major source of music enjoyment for many years. In designing the 800 Reference DVD/CD Player no compromises have been permitted in reproducing conventional audio CDs. The 800 uses triple buffering and a FIFO to remove the timing variations that typically occur with reading data from an audio CD, resulting in an extremely clear and authoritative sound.

## **MP3 audio CDs**

The 800 Reference DVD/CD Player can also play CD-ROMs containing directories of MP3 audio files. This provides a convenient way of archiving record collections to achieve up to 10 times the capacity of a conventional CD where sound quality is not of primary importance.

MP3 discs can be created from a computer using appropriate MP3 encoding software and a CD-ROM writer. Generate the MP3 files with a data rate of at least 128Kbits per second. Group the tracks into folders to create separate albums on the disc. Do not create folders within folders.

Tracks and albums are played in the order in which they are recorded onto the CD-ROM. Usually this will be in alphabetical order of filename.

## Overview

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The architecture of the 800 allows for wide flexibility – future sources and formats can be handled by upgrading software, cards, or drives.

### Inputs

The 800 Reference DVD/CD Player incorporates a DVD-ROM drive and special electronics for media playback. Data from the drive, or from the other inputs, is buffered and de-jittered to ensure perfect output timing irrespective of the performance of the drive or other sources.

The 800 can also be used as a system controller, and may optionally be fitted with digital and analogue inputs. Although the 800 does not include a variable output, it can control the overall system volume with Meridian DSP speakers.

### Processing

The 800 Reference DVD/CD Player incorporates extensive DSP for resolution enhancement and other signal processing on the data stream.

### Outputs

The 800 Reference DVD/CD Player provides multi-channel digital outputs for direct connections to multi-channel digital inputs of a digital surround processor such as the 861 Reference Digital Surround Controller. This allows multi-channel surround to be reproduced without loss of quality. The auxiliary output can be used either as a supplement to the surround decoder, or to feed a second zone. Alternatively the 800 can be used as a stand-alone DVD/CD player and controller using the discrete multi-channel digital outputs to connect directly to up to six Meridian DSP loudspeakers.

The digital outputs can operate at up to 96kHz and may also be used to allow integration of a secure closed Meridian system using MHR. These outputs can provide decoded PCM or bitstreams such as AC-3, MPEG, or DTS.

The 800 can also be fitted with analogue outputs with 192kHz, 24-bit conversion capability. The 800 does not provide tape outputs and does not generally support copying.

## Video

The 800 provides composite video, S-video, and component video (Y, Pr, Pb) outputs, in PAL or NTSC format, suitable for driving virtually any television, monitor, or projection system. The video outputs and conversion system are very high quality and feature very low noise and jitter.

In addition to providing high-quality video outputs, the 800 has the ability to give help and system control feedback information in an on-screen display.

# Typical specification

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## Drives

- Internal ATAPI/IDE drive, with space for a second drive.

## Audio in and out

The 800 is supplied as standard with digital or analogue outputs, or both:

- 6-channel (multi-channel) digital outputs, normal or encrypted, PCM or compressed.
- 2-channel (auxiliary) digital output, normal or encrypted, PCM or compressed.
- Either 2 or 6 analogue outputs, balanced or unbalanced.

In addition the 800 can be fitted with a variety of 800 Series cards to provide additional connections, including:

- Up to 11 2-channel digital inputs. Re-nameable legends. 32 to 96kHz sampling and up to 24-bit precision.
- Up to 11 2-channel analogue inputs. Adjustable sensitivity. Re-nameable legends.
- 6-channel (multi-channel) analogue input.

## Signal processing

800 uses Meridian's proprietary DSP software to provide the following powerful Modes:

- Upsampling/downsampling.
- FIFO and error correction.
- Resolution enhancement.
- MLP decoding.

## Video

- Composite, S-video, or component video.
- NTSC or PAL.
- 16:9 or 4:3 letterbox/pan-scan.
- Black level option for NTSC.

## Controls, etc.

Front-panel facia controls for:

- Open, Play, Stop, Pause, Previous, Next, and Off.

Hinged control panel provides additional switches for:

- Open, Function, Source, Copy, Store, and Setup.
- Top Menu, Parameter menus, Return, and Enter.
- Display, Mute, Gain+, and Gain-.

## Display

- 20-character dot-matrix display with adjustable brightness and contrast.
- Lights for MLP, Multi, Repeat, and DVD/CD.



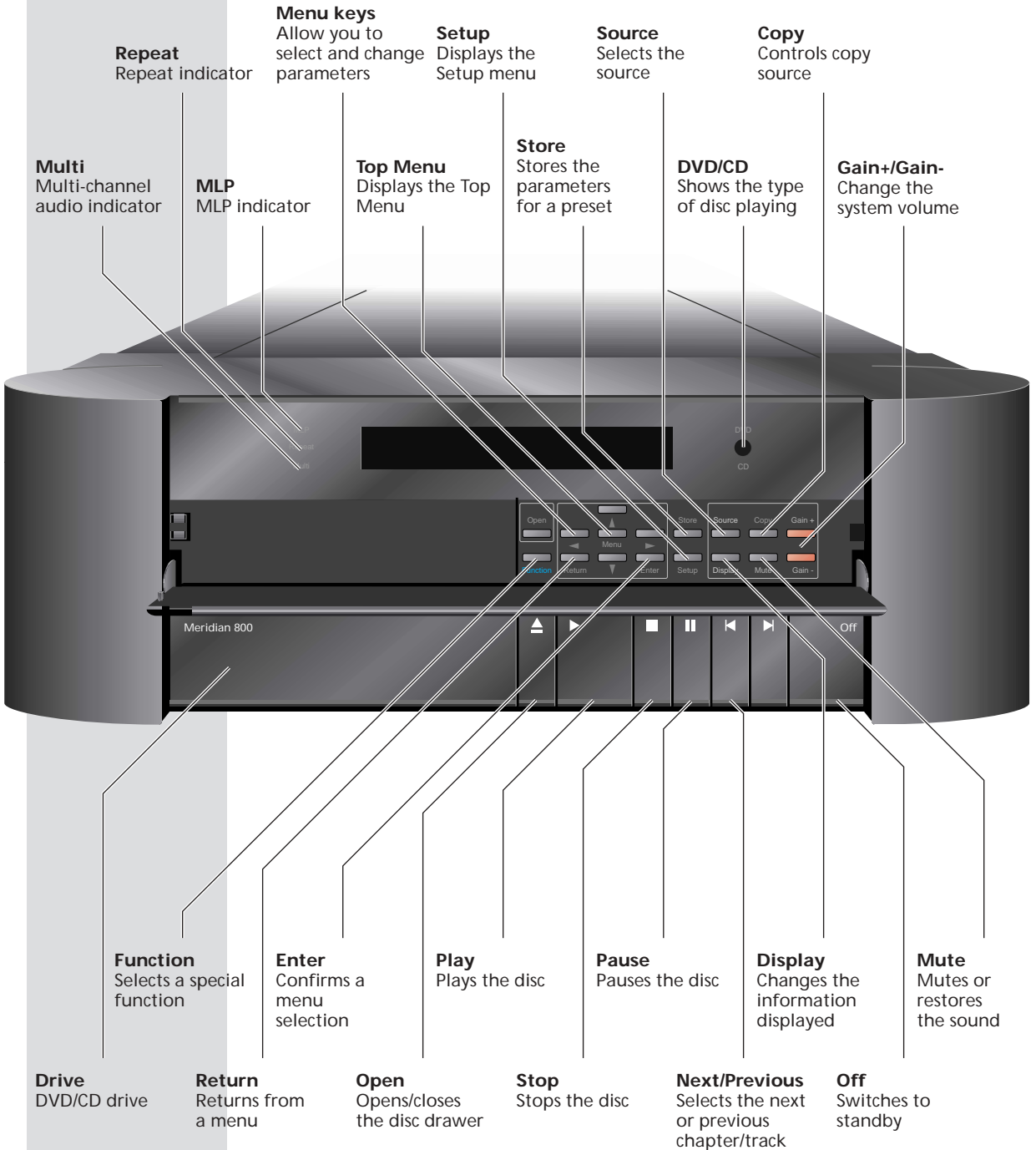
## **Using the 800 Reference DVD/CD Player**

This chapter provides a summary of the functions of the 800 Reference DVD/CD Player to identify the controls which you use to operate the unit.

It also provides step-by-step instructions for operating the DVD/CD player, using either the front panel or the Meridian System Remote.



## Front panel keys



# Meridian System Remote keys

**Fast reverse**  
Scans backwards  
**◀ Page**  
Browse previous DVD-A page

**Stop**  
Stops the disc

**Fast forward**  
Scans forward  
**Slow**  
Plays in slow motion  
**▶ Page**  
Browse next DVD-A page

**Pause**  
Pauses the disc

**Repeat**  
Repeats a chapter/track  
**A-B**  
Repeats a section

**Previous**  
Selects the previous track  
**Angle**  
Changes the camera angle

**Play**  
Plays the disc  
**Audio**  
Changes the audio track

**Next**  
Selects the next chapter/track  
**OSD**  
On-screen display

**Subtitle**  
Turns subtitles on/off  
**+Function**  
Subtitle language

**Source keys**  
Select a source

**Number keys**  
Select a title, chapter, or track by number

**Store**  
Stores a preset

**Off**  
Switches to standby

**Volume keys**  
Change the volume

**Mute**  
Mutes or restores the sound

**Clear**  
Clears an entry

**Display**  
Changes the front-panel display

**Top Menu**  
Displays the Top Menu  
**#**  
Title/timecode entry

**Menu keys**  
Select or change parameters

**DSP**  
Changes the DSP preset  
**Band**  
Changes the tuner band

**Function**  
Selects a special function

**Return**  
Returns from a menu

**Enter**  
Confirms a menu selection

**Menu**  
Displays the disc menu  
**Setup**  
Displays the Setup menu

## Switching on and off

---

When not playing, the DVD/CD player should be left in the standby state. This uses a minimal amount of electricity, but ensures that the components of the DVD/CD player operate at maximum efficiency from the moment you start.

After switching on the 800 runs an initialising cycle which takes a few seconds. Do not press any keys until the standby display appears.

If you are not going to use the DVD/CD player for several days you should switch the unit off completely at the rear panel, and disconnect it from the AC power supply.

### To switch on from standby

- Press **Open**, **■**, or **▶** (front panel), or select a source on the remote.

If the DVD/CD player is part of a Meridian system it will automatically switch on any other unit in the system, such as the 861 Reference Digital Surround Controller and Meridian DSP Loudspeakers.

### To switch to standby

- Press **Off** (front panel or remote).

If you have other Meridian equipment or Meridian DSP Loudspeakers connected to the DVD/CD player these units will also switch to standby.

If a disc is currently playing, switching to standby will stop the disc, and the disc can safely be left in the unit.

Always remove any disc before moving or shipping the 800.

## Playing a disc

Most DVDs start playing automatically when you close the tray. Some DVDs are double-sided, and need to be turned over during play.

DVD-Audio discs usually behave differently depending on whether you start them by closing the tray, or pressing ►. Depending on how the disc is authored the typical behaviour is:

- Inserting the disc and pressing ► will start playing immediately from group 1, track 1.
- Inserting the disc and closing the tray will display the Top Menu.

### To insert a disc

- Press ▲ (front panel) or **Function** ■ (remote) to open the tray.
- Place the disc, label side up, in the tray.

Ensure that the disc is correctly seated in the tray before closing the tray.

- Press ▲ again or ► (front panel or remote), or gently push the front of the tray, to close the tray.

### To play the disc

- Press ► (front panel or remote).

The on-screen display shows ► and the front-panel display shows the title, chapter, and elapsed time (DVDs), or track number and elapsed time (CDs).

For example, on chapter 14 of title 1:



### To move to the next or previous chapter or track

- Press ►| or ◀| (front panel or remote).

The on-screen display shows ►| or ◀|.

### To move to the next or previous album (MP3 discs only)

- Press ▼ or ▲ (remote).

The on-screen display shows ▼ or ▲.

*These functions are normally disabled while the disc's copyright notice is being displayed.*

## Playing DVD-Audio discs

The Meridian 800 DVD/CD Player allows you to take full advantage of all the benefits provided by DVD-Audio discs, including one or more of the following features:

- Higher-quality audio up to 24 bit, 192kHz.
- Longer playing times.
- Multi-channel surround sound.
- Additional materials, such as photographs, lyrics, and track listings.
- Videos.

Each DVD-Audio disc may offer a different selection of these features, depending on the material on the disc.

A DVD-Audio disc is identified by the following icon on the on-screen display:



### Groups

DVD-Audio content can be divided into up to nine groups, similar to titles on Video discs. Each group can contain up to 99 tracks. Groups can be used to separate content, like high-quality audio from movie sections. Alternatively groups might provide the same content in different forms, such as multi-channel and stereo.

Some DVD-Audio discs may contain hidden groups that require a password for access. Follow the instructions given on the disc.

### Still images

DVD-Audio tracks often include still images, called pages, which are displayed while the disc is playing. These images may include text or menu buttons. According to the disc these images may be browsable, selected from menus, or change automatically.

### DVD-Video compatibility

To allow them to be played on DVD-Video players with no DVD-Audio capability, some DVD-Audio discs provide one or more groups with the content recorded in DVD-Video format; typically AC-3 or DTS. Selecting one of these with the Meridian 800 DVD/CD Player will generally give poorer quality audio than selecting the DVD-Audio group.

In some cases a DVD-Video group will be used to provide a music video or video sequence. Some discs provide DVD-Audio on one side and DVD-Video on the other.

## To locate a group by number

- Press **#** (**Function Top Menu** on the remote).

The on-screen display prompts you to enter the group number:



- Enter the group number using the number keys (remote).
- Press **▶** or **Enter** (remote) to play from the group number you have specified.

## To display DVD-Audio images

- Press **Page ▶** (**Function ▶▶** on the remote) or **◀◀ Page** (**Function ◀◀** on the remote) to step between the browsable images.

**Note:** These functions will only work if the disc has been authored to allow browsing.

## To display the Top Menu

- Press **Top Menu** on the remote.

The player will go to the disc menu, if it exists.

To resume play:

- Press **Top Menu** again.

## Locating a specific title, chapter, or track

Normally, DVD-Video discs are divided into one or more titles, and the titles are subdivided into Chapters. Audio CDs are divided into tracks.

The DVD/CD player allows you to play an entire disc, or start playing from any chapter or track number.

You can also enter a specific chapter/track or title number to locate the corresponding section of the disc directly.

### To play starting from a particular chapter or track

- Press **▶** or **◀** (front panel or remote) to step through the track numbers until the display shows the track you want to play:

For example, to play chapter 23:



1 23 1:17:33

The on-screen display shows the chapter or track number as you step:



After a short delay the chapter or track you have selected will start to play.

### To locate a chapter or track by number

- Press **#** (**Function Top Menu** on the remote) twice.

The on-screen display prompts for you to enter the chapter or track number:



- Enter the number of the chapter (DVD) or track (audio CD) using the number keys (remote).

The number is displayed as you enter it:



- Press **▶** or **Enter** (remote).

The DVD/CD player starts playing from the chapter or track number you specified.

## To locate a title by number

- Press # (**Function Top Menu** on the remote).

The on-screen display prompts you to enter the title number:



- Enter the title number using the number keys (remote).
- Press ► or **Enter** (remote) to play from the title number you have specified.

## To play from a specified timecode

- Press # (**Function Top Menu** on the remote) three times until the on-screen display prompts for a timecode:



- Enter the timecode using the number keys (remote).
- Press ► or **Enter** (remote) to play from the timecode you have specified.

## Stopping, pausing, and resuming play

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You can stop or pause a disc, and then resume play at the same position.

### To stop play


- Press ■ (front panel or remote).

The on-screen display shows .

This Stop/Pause icon indicates that you can resume from the current position.


### To resume after stopping

- Press ► (front panel or remote).

The disc will resume playing from the position where you stopped playback, and the on-screen display shows .

### To pause play

- Press || (front panel or remote).

The on-screen display shows .

### To step forward frame by frame

If you are playing a DVD-Video disc you can step forward, frame by frame, while it is paused:

- Press || (front panel or remote).

The on-screen display shows .

### To continue after pausing

- Press ► (front panel or remote).

### To return to the start of the disc

- Press ■ (front panel or remote) while the disc is stopped.

The on-screen display shows  and the disc is reset to the start.

## Changing the front-panel display

The 800 Reference DVD/CD Player displays information about the current disc and settings on the 20-character front-panel display.

You can adjust the contrast and brightness of the front-panel display for optimum viewing, and choose what information is displayed.

### To change the contrast or brightness

- Press **Function** ► or ◀ (remote or under the front panel), until the display shows the current contrast or brightness.

For example:



- Press **Function** ▲ or ▼ (remote or under the front panel), to change the selected setting.

You can change the contrast or brightness between 0 and 15.

### To change the displayed information

- Press **Display** (remote or under the front panel).

Each time you press **Display** the display will step between the options shown in the following table:

Display option	Example
Source and volume	DVD 65
Title, chapter, and elapsed time (DVD), or track and elapsed time (CD)	1 32 1:55:58
Sampling rate, precision, and audio format*	44k1 16Bit AC-3 *DVD
Blank	

\* indicates an unprotected disc.

If the **Diagnostic displays** option has been selected, additional diagnostic displays are included; see *Changing the setup options*, page 70.


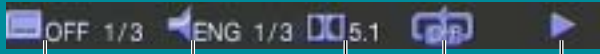
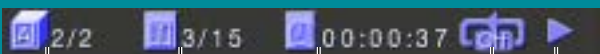
## Displaying disc information on screen

You can display information about the current DVD or CD on the on-screen display.

### To display disc information on screen

- Press **OSD (Function ►)** on the remote) or **Function Display** (under the front panel).
- To display the second DVD on-screen display, press twice .

The following table shows the information displayed for each disc format:

Disc	Information
DVD-Video 1	 <p>Title number    Chapter number    Elapsed title time    Camera angle    Play mode</p>
DVD-Video 2	 <p>Subtitle language    Audio track    Audio format    Repeat mode    Play mode</p>
Audio CD	 <p>Track number    Elapsed disc time    Repeat mode    Play mode</p>
DVD-Audio 1	 <p>Group number    Track number    Elapsed group time    Play mode</p>
DVD-Audio 2	 <p>Group number    Track number    Audio format    Repeat mode    Play mode</p>
MP3 audio CD*	 <p>Album number    Track number    Elapsed track time    Repeat mode    Play mode</p>

\*The album number is not displayed if there is only one album.

### To turn off the on-screen display

- Press **OSD (Function ►)** on the remote) or **Function Display** (under the front panel) again.

## Advanced features

This chapter describes the more advanced features of the DVD/CD player. These features are not essential if you simply want to enjoy DVD-Video discs or audio CDs, but they allow you to take full advantage of the range of options available with the DVD format. Note that many of the advanced features depend on the content of the particular disc you are playing.



## Selecting options from a menu

DVDs generally provide a Top Menu, which provides access to the content on the disc.

Many DVD-Video discs also provide a disc menu, which allows you to select additional sections or special options.

You can operate the menus either using the remote or using the keys under the front panel.

### To select a title or group using the Top Menu

- Press **Top Menu** to display the Top Menu on the screen.
- Press **▲**, **▼**, **◀**, or **▶** to highlight a title or group, and press **Enter** to select it.

The DVD/CD player starts playback from chapter 1 of the title (DVD-Video disc) or track 1 of the group (DVD-Audio disc) you selected.

Alternatively, press **Return** or **Top Menu** again (remote or under the front panel) to return to the original position on the disc.

### To select an option from the disc menu

- Press **Menu** to display the disc menu on the screen.

A typical disc menu looks like this:



- Press **▲**, **▼**, **◀**, or **▶** to highlight an option, and press **Enter** to select it.

Alternatively, press **Return** to exit from the menu without selecting an option.

## Fast and slow-motion play

You can play back DVD-Video discs faster than normal, at between twice and eight times normal speed, or in slow motion, at between one-half and one-sixteenth of normal speed.

You can also play back audio CDs faster than normal.

**Note:** The sound is muted when playing back DVD-Video discs faster or slower than normal.

### To play DVD-Video discs or audio CDs faster than normal

- Press **▶▶** or **◀◀** (remote) during playback.

Each time you press the key the speed switches between twice and eight times normal speed, as shown by the on-screen display:



### To play DVD-Video discs in slow motion

- Press **Slow (Function ▶▶)** on the remote) during playback.

The speed switches between one-half, one-quarter, one-eighth, and one-sixteenth normal speed, as shown by the on-screen display:



### To resume normal speed

- Press **▶** (front panel or remote).

*Only one speed is available on DVD-Audio discs, and fast forward/back is not available for MP3 discs.*

## Playing repeatedly

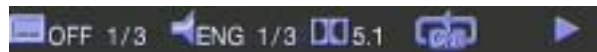
You can play back a specified title, chapter, track, or section of a disc repeatedly.

### To repeat a title, chapter, or track

- Select the title, chapter, or track you want to repeat.
- Press **Repeat** (remote) to switch between **Ch.** (chapter repeat), **Title** (title repeat), and **Off** (no repeat).

*Repeat is not available for DVD-Audio discs.*

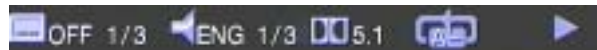
The current repeat mode is displayed on the on-screen display:



### To repeat a specific section of a disc

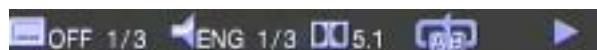
- Press **A-B** (**Function Repeat** on the remote) at the beginning of the section you want to play back repeatedly.

The on-screen display shows **A-**:



- Press **A-B** again at the end of the section.

The on-screen display shows **A-B**:



The DVD player automatically returns to the start of the section and plays it back repeatedly.

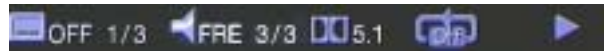
To cancel the repeat press **A-B** a third time.

## Selecting an audio soundtrack

You can select one of the audio soundtracks from those included on a DVD-Video disc during playback.

### To display the current audio setting

- Press **OSD (Function ►)** on the remote) or **Function Display** (under the front panel) twice to display the second on-screen display bar:



This gives the following information:

Information	Examples
Soundtrack language (when available)	ENG, FRE, GER, SPA.
Soundtrack number, and total number of soundtracks	2/3
Recording system	LPCM, MLP, DD, MPEG, DTS.

### To select the audio setting (DVD-Video)

- Press **Audio (Function ►)** on the remote).

Each time you press **Audio** the next available soundtrack is selected.

### To switch between stereo and multi-channel (DVD-Audio)

Some DVD-Audio discs allow you to switch between stereo and multi-channel. If this feature is available:

- Press **Audio (Function ►)** on the remote).

The 800 will switch to the alternate format and restart the current track.

## Displaying subtitles

Many DVD-Video discs include subtitles in up to 32 different languages. While you are playing a disc you can turn the subtitles on or off, and select the subtitle language from those provided on the DVD-Video disc.

### To display the current subtitle setting

- Press **OSD (Function ►)** on the remote) or **Function Display** (under the front panel) twice to display the second on-screen display bar:



This gives the following information:

Information	Examples
Subtitle language when available	ENG, FRE, GER, SPA, OFF.
Subtitle number, and total number of languages	2/3

### To select the subtitle language

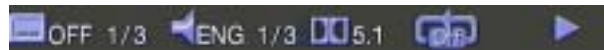
- Press **Function Subtitle** (remote).

Each time you press **Function Subtitle** the next subtitle language is selected.

### To turn subtitles on or off

- Press **Subtitle** (remote).

The on-screen displays shows the current subtitle setting:



## Selecting the camera angle

---

Some DVD-Video discs include scenes recorded from up to nine different camera angles, and you can select the camera angle while you are playing the disc.

### To display the camera angle

- Press **OSD (Function ►)** on the remote or **Function Display** (under the front panel) to display the first on-screen display bar.

The camera angle icon shows the current camera angle and the total number of angles:



### To select or change the camera angle

- Press **Angle (Function ◀)** on the remote, while viewing a scene with multiple camera angles.

Each time you press **Angle** the next camera angle is selected after a short delay.

## Setting the parental lock

Some DVD-Video discs are provided with a parental lock function to allow you to restrict playback of scenes whose content exceeds a specified rating unless a password is entered.

You can operate the menus either using the remote or using the keys under the front panel.

### To set the parental lock

- With the disc stopped press **Setup**.

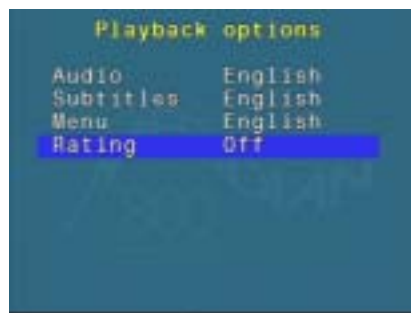
The **Setup** menu is displayed on the on-screen display:



- Press **Enter** to select **Playback options**.

The **Playback options** menu appears.

- Press **▼** to highlight **Rating** and press **Enter** to select it:



The following screen prompts you to enter the password:



- Enter your four-digit password using the number keys (remote), and press **Enter**.

Initially the password is set to 7890, but you can change it to any password you choose as described in *To change the password*, page 30.

The following screen then allows you to set the rating level:



- Press ▲ or ▼ to highlight the rating level you want to set, or highlight **Off** to turn the parental lock off, and press **Enter** to select it.

Level 1 corresponds to general viewing, level 3 is equivalent to the USA movie rating PG, and level 8 corresponds to adult viewing.

The rating level you have set will be displayed in the **Playback options** menu.

## To change the password

- Highlight **Change password** on the **Set rating level** screen and press **Enter** to select it.

The following screen allows you to specify the new password:



- Enter the four-digit password you want to use and press **Enter** to select it. The password cannot start with a zero.

*Take care not to forget your password, or you will need to contact your Meridian dealer to reset it for you.*

## **Using the DVD/CD player preamplifier features**

In addition to playing DVD discs and audio CDs, the 800 Reference DVD/CD Player can act as a controller for up to 11 other sources. This chapter explains how to use these features from either the front panel or the Meridian System Remote.



## Selecting a source

If you are using the 800 Reference DVD/CD Player as a controller you can connect up to 11 other sources to it, and select them from the front panel or remote.

The DVD/CD player provides the following 12 sources:

CD, Radio, LP, TV, Tape 1, Tape 2, CDR, Cable, DVD, VCR1, VCR2, LDisc.

*Your installer may have customised the labels displayed for each source to suit your other equipment.*

The DVD and CD sources usually correspond to the internal drive(s).

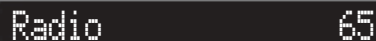
The input associated with each of the other sources depends on how the DVD/CD player has been set up; for more information refer to the *Configuring the DVD/CD player using a computer*, page 55.

### To select a source

- Press **Source** (under the front panel) until the display shows the source you want, or press the appropriate source key on the remote; eg **CD**.

The display shows the source and volume setting.

For example, if you select the Radio source the display might show:

A rectangular digital display with a black background and white text. The word 'Radio' is on the left and the number '65' is on the right.

*The DVD/CD player mutes the sound while you change source.*

## Adjusting the system volume

The 800 Reference DVD/CD Player can be used as the controller in a system with Meridian DSP loudspeakers, in which case you can adjust the volume using the front panel or remote. The volume changes in precise steps of 1dB, where 9dB is equivalent to doubling the loudness. The current volume setting is displayed in dB on the front-panel display, and can be varied in the range 1 to 99dB.

### To change the volume

- Press **Gain +** or **Gain -** (under the front panel), or the red ▲ or ▼ keys on the remote.

As you adjust the volume setting the display shows the current volume level.

For example:

### To mute the sound

- Press **Mute** (under the front panel, or remote).

The display will show:



Mute

### To restore the sound

- Press **Mute** again.

Alternatively, the sound will be restored if you adjust the volume.

## Changing the balance or phase

### To change the balance

- Press **Function** ◀ or ▶ (remote or under the front panel) until the display shows the current balance.

For example:

A rectangular display showing the text "CD Balance <0>" in a monospaced font.

- Press **Function** ▲ or ▼ (remote or under the front panel) to move the listening position.

The display shows the direction and position of the listening position.

For example:

A rectangular display showing the text "CD Balance <3" in a monospaced font.

The arrow indicates the direction, and the number indicates the position where 0 is central, 8 is in line with the corresponding main speaker, and 10 is fully to one side.

### To change the absolute phase

- Press **Function** ◀ or ▶ (remote or under the front panel) until the display shows the current phase.

For example:

A rectangular display showing the text "CD + Phase" in a monospaced font.

- Press **Function** ▲ or ▼ (remote or under the front panel) to change the phase.

## **Configuring disc options**

DVD-Video discs are capable of providing a wide range of options and special features.

This chapter explains how use the options on the Setup menu to configure the operation of the 800 Reference DVD/CD Player.

You can operate the menus either using the remote or using the keys under the front panel.



## Setting default options

The default options are divided into the following three menus of settings:

Menu	Description
Playback options	The audio, subtitle, and menu languages, parental rating, and screensaver.
Video setup	The display settings.
Audio setup	The audio settings.
Information	The region code and engineering information.

You choose the menu of settings you want from the main **Setup** menu.

### To display the Setup menu

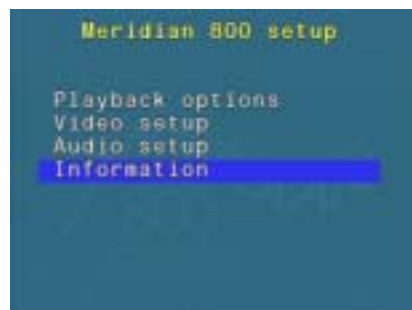
- If necessary switch on the DVD player and press **■** if a disc is currently playing.
- Press **Setup**.

The main **Setup** menu will be displayed:



### To select an option from a menu

- Press **▲** or **▼** to highlight the option you want:



- Press **Enter** to select the option.

.....

### To return to the previous menu

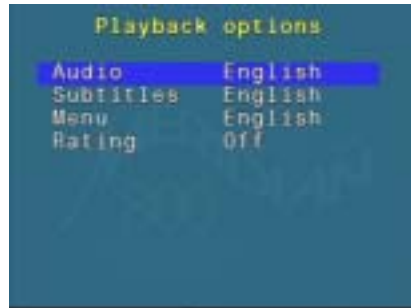
- Press **Return**.

### To exit from the setup menus

- Press **Setup**.

## Selecting the playback options

The **Playback options** menu lets you change the default language for the audio soundtrack, subtitles, and on-screen menus, the parental rating, and the screensaver:

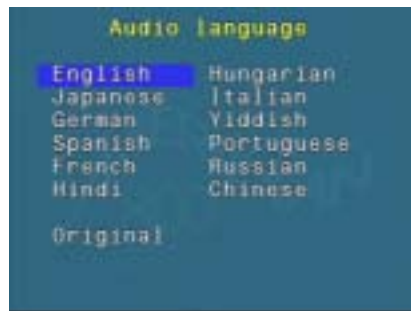


### To select the default soundtrack language

Most DVD-Video discs include a selection of soundtrack languages. English is usually the default soundtrack language, but you can use the **Audio language** menu to set a different default language if you prefer.

- Highlight **Audio** in the **Playback options menu**, and press **Enter**.

The **Audio language** menu is displayed:



- Press ◀, ▶, ▲, or ▼ to highlight the default soundtrack language you want to use, or select **Original** to choose the original soundtrack language, and press **Enter**.

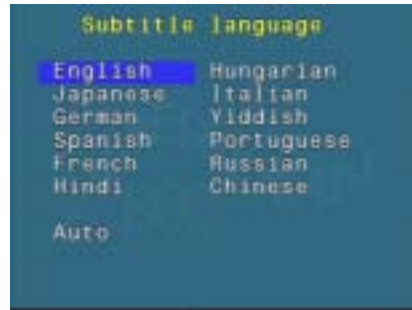
## To set the default subtitle language

DVD-Video discs can include subtitles in up to 32 different languages.

The 800 DVD/CD Player allows you to select whether subtitles are displayed by default, and specify the preferred language if it is available on the disc.

- Highlight **Subtitles** in the **Playback options** menu, and press **Enter**.

The **Subtitle language** menu is displayed:



- Press ◀, ▶, ▲, or ▼ to highlight the language you want to use, and press **Enter**.

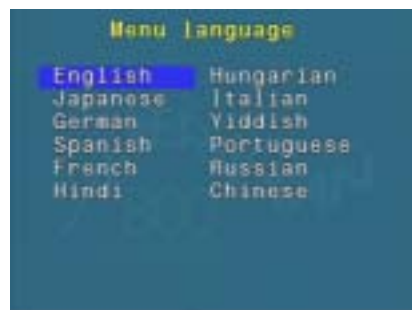
Alternatively, select **Auto** to automatically display subtitles in the specified audio language if no soundtrack is available for that language.

## To select the disc menu language

The 800 DVD/CD Player allows you to choose the language for the disc menus.

- Highlight **Menu** in the **Playback options** menu and press **Enter**.

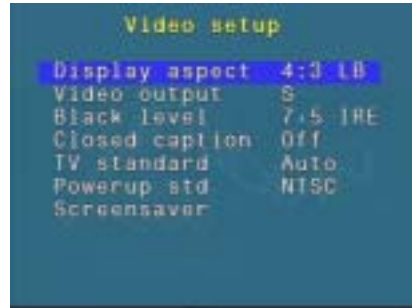
The **Menu language** menu is displayed:



- Use ▲ or ▼ to highlight the language you want to use, and press **Enter**.

## Selecting the display settings

The **Video setup** menu lets you change the video and operational settings of the 800 DVD/CD Player:



### To specify your display format

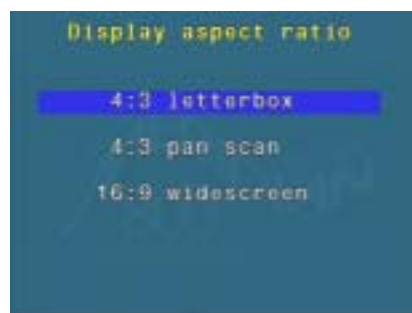
You should set the **Display aspect** option to the format that your display can accommodate.

Select 16:9 if you have a widescreen display, or an external processor for picture formats.

If you have a standard 4:3 television you also have the choice of displaying widescreen pictures cropped to fill your television screen (pan-scan), or with black bars above and below the picture (letterbox).

- Highlight **Display aspect** in the **Video setup** menu, and press **Enter**.

The **Display aspect ratio** menu is displayed:



- Press ▼ or ▲ to select the format of your TV, and press **Enter**.

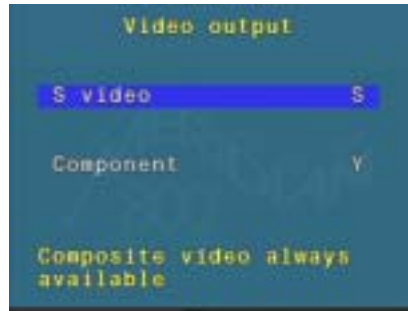
*The pan-scan feature is not available on some discs, in which case letterbox format will be used.*

## To select the video output format

This option should be set according to which of the S-video or COMPONENT video outputs you are using.

- Highlight **Video output** in the **Video setup** menu, and press **Enter**.

The **Video output** menu is displayed:



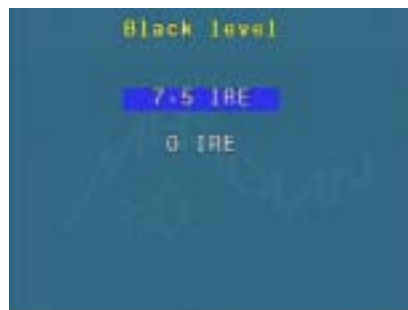
- Press **▼** or **▲** to highlight the appropriate option, and press **Enter**.

Choose **S video** or **Component** to use the corresponding output.

## To select the black level for NTSC

- Highlight **Black level** in the **Video setup** menu, and press **Enter**.

The **Black level** menu is displayed:



- Press **▼** or **▲** to highlight the appropriate option, and press **Enter**.

If you are using the Composite or S-video outputs of the DVD player you should usually select the **7.5 IRE** option.

If you are using the component outputs select the option that matches your display.

*The option you select will not affect the composite output, which is always available.*

*This only affects NTSC playback.*

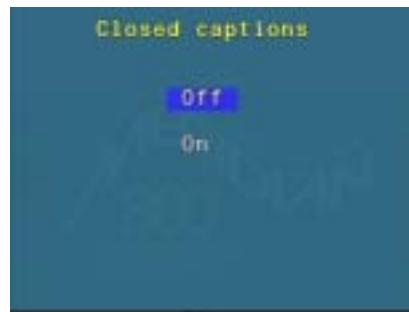
If you use the 800 to play both NTSC and PAL material the recommended setting is **0 IRE**.

### To select closed caption subtitles

Some DVD-Videos include closed caption subtitles, which provide a description of sound effects for the hard of hearing; for example "door creaks".

- Highlight **Closed caption** in the **Video setup menu**, and press **Enter**.

The **Closed captions** menu is displayed:



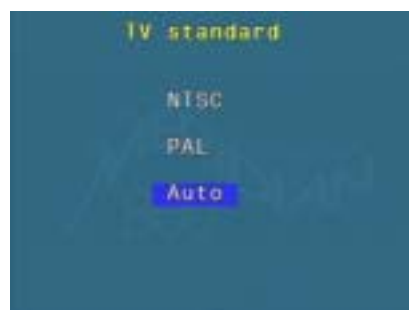
- Press **▼** or **▲** to highlight **On** or **Off**, and press **Enter**.

### To select the TV standard

DVD movies are produced in both PAL and NTSC television formats. The 800 DVD/CD Player is capable of converting between formats, to allow you to view DVD movies in either format even if your television is not capable of displaying that format. However the conversion process introduces some picture degradation, and may disable disc menu operation on some discs.

- Highlight **TV standard** in the **Video setup menu**, and press **Enter**.

The **TV standard** menu is displayed:



- Press **▼** or **▲** to highlight the option you want, and press **Enter**.

Choose **Auto** if your television can display both PAL and NTSC video, or choose **NTSC** or **PAL** to match the format supported by your television.

If your television is capable of displaying both formats the recommended setting is **Auto**, which supplies the unconverted video signal.

A separate **Powerup std** option lets you specify the standard to be selected when you bring the 800 out of standby:

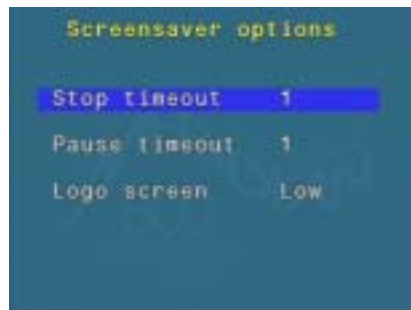


- Press ▼ or ▲ to highlight the option you want, and press **Enter**.

### To specify the screensaver options

- Highlight **Screensaver** in the **Video Setup** menu, and press **Enter**.

The **Screensaver options** menu is displayed:



These options allow you to ensure that a static image does not remain on the display; this can damage certain types of display.

The **Stop timeout** automatically fades the screen to black if the 800 DVD/CD Player is left in stop mode and no key is pressed for the specified time.

The **Pause timeout** automatically switches the 800 from pause into stop mode if no key is pressed for the specified time.

- Highlight **Stop timeout** or **Pause timeout** in the **Screensaver options** menu, and press **Enter**.

The appropriate menu is displayed:



- Press ▼ or ▲ to select the timeout delay, and press **Enter**.

You can also adjust the intensity of the logo screen.

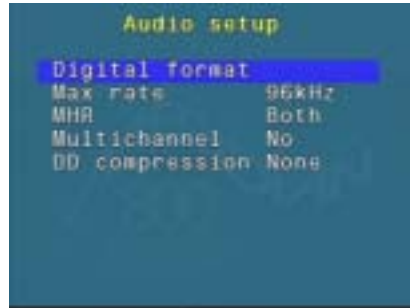
- Highlight **Logo screen** in the **Screensaver options** menu, and press **Enter**.

The **Logo screen intensity** menu allows you to select between **High**, **Low** or **Off**:



## Selecting the audio settings

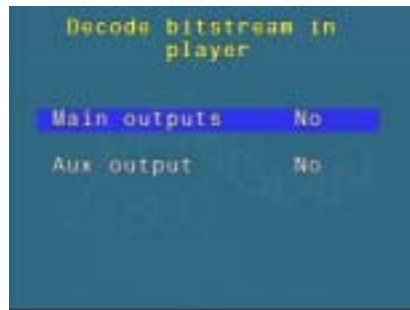
The **Audio setup** menu lets you change the audio settings of the 800 DVD/CD Player:



### To specify the digital format

- Highlight **Digital format** in the **Audio setup** menu, and press **Enter**.

The following menu is displayed:



- Press ▼ or ▲ to select the output you want to configure, and press **Enter**, then press ▼ or ▲ to select **Yes** or **No**, and press **Enter** to confirm the setting.

**Main outputs** specifies the setting for the main multi-channel outputs.

**Aux output** specifies the setting for the auxiliary output.

- Select **No** if you are connecting the specified output to an external decoder and you want the external decoder to decode the bitstream; for example Dolby Digital, DTS, etc.
- Select **Yes** if you want the 800 DVD/CD Player to convert the audio to 2-channel PCM on the corresponding outputs for connection to an 861 via a Meridian multi-channel link, or for direct connection to Meridian DSP Loudspeakers or a digital preamplifier.

## To specify the maximum sampling rate

- Highlight **Max rate** in the **Audio setup** menu, and press **Enter**.

The following menu is displayed:



- Press ▼ or ▲ to choose between **48kHz** and **96kHz**, and press **Enter**.

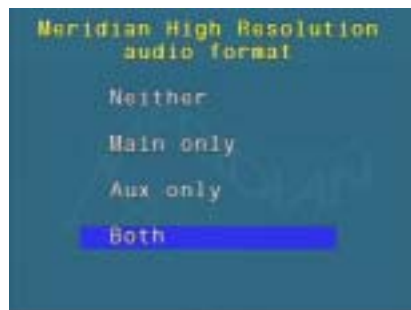
Choose the appropriate rate for the decoder or preamplifier your 800 DVD/CD Player is connected to.

When playing audio at higher rates it will be downsampled to the rate you have specified.

## To specify Meridian High Resolution (MHR)

- Highlight **MHR** in the **Audio setup** menu, and press **Enter**.

The following menu is displayed:



Meridian High Resolution is a proprietary format using encryption and anti-copy methods that allows secure transfer of audio streams between elements of a Meridian-only system for the purpose of playback only. It provides a secure copyright protection environment and has the very important benefit of lowering jitter and improving sound quality on all material.

- If you are connecting either of the outputs to a Meridian product that is MHR compliant, such as the 861, select the option for the corresponding output to take advantage of MHR.
- Select **Neither** if there are no MHR-compliant Meridian products in your system.

### To enable the multi-channel outputs

- Highlight **Multi-channel** in the **Audio setup** menu, and press **Enter**.

The following menu is displayed:



- Press ▼ or ▲ to select between **No** and **Yes**, and press **Enter**.

Only select **Yes** if your decoder can accept a multi-channel input.

### To specify Dolby Digital compression

This option is useful for reducing the dynamic range of Dolby Digital soundtracks, such as when watching a film late at night.

- Highlight **DD compression** in the **Audio setup** menu, and press **Enter**.

The following menu is displayed:

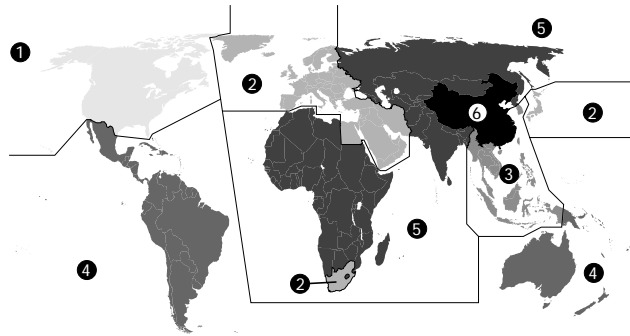


- Choose **None** for no Dolby Digital audio compression, **Low boost** to increase the level of quiet passages, **High cut** to reduce the level of loud passages, or **Both** for both low boost and high cut.

## Region codes

For commercial reasons many DVDs are encoded with one or more region codes to identify the countries in which they can be used. Every DVD player is assigned a region code to determine which discs it can play.

The different parts of the world are divided into regions 1 to 6 as shown in the following diagram:



1 – USA, Canada

2 – Europe, Near East, South Africa, Japan

3 – South East Asia

4 – Australia, Central & South America

5 – Africa, Asia, Eastern Europe

6 – People's Republic of China

If you try to play a disc which is assigned to the incorrect region code then either a special screen or the following warning will be displayed:



If your 800 Reference DVD/CD Player is not set to your local region, please contact your dealer.

## **Configuring the DVD/CD player without a computer**

The 800 Reference DVD/CD Player can be set up for most standard configurations of outputs and sources using just the front-panel controls and Meridian System Remote.

This chapter explains how to configure the DVD/CD player without using a computer.

Alternatively, for complete control over all aspects of the DVD/CD player's configuration you can set up the unit from a computer using the Meridian Configuration program. For full information refer to the next chapter.



## Choosing a standard setting

The DVD/CD player provides several sets of standard settings, called Types, which configure all aspects of the 800 into one of a number of alternative standard configurations.

Types 0 to 5 are factory settings, designed to cater for the most commonly needed configurations of associated equipment.

These standard Types are shown in the following table:

Type	Main output				Auxiliary output		
	Channels	Bitstream	96kHz	MHR	Bitstream	96kHz	MHR
0	6	Yes	Yes	Yes	Yes	Yes	Yes
1	6	No	Yes	Yes	Yes	Yes	Yes
2	2	Yes	Yes	Yes	Yes	Yes	Yes
3	6	Yes	Yes	Yes	No	No	No
4	6	No	Yes	Yes	No	No	No
5	2	No	Yes	Yes	No	No	No

Choose one of the Types 0, 1, or 2 if you want to connect the auxiliary output to an alternative input on the main decoder, or to a second zone with a suitable Meridian decoder.

Choose one of the Types 3, 4, or 5 if you want to connect the auxiliary output to a non-Meridian decoder or preamplifier.

Choose one of the Types 0, 1, 3, or 4 if you are connecting the main output to a multi-channel decoder input. Types 1 or 4 can also be used to connect the main outputs to DSP loudspeakers.

Choose Type 2 to connect the main output to a 2-channel decoder such as a non-DVD-Audio 861 or 568.

Choose Type 5 to connect the main output to a single pair of DSP loudspeakers or a 2-channel preamplifier.

In addition, your installer may have provided one or more named User Types, with settings appropriate to the configuration of equipment when your 800 was installed.

You can reset the configuration of the DVD/CD player to any of these Types to restore it to the state it was in when it was installed. **Note:** Selecting a Type will clear any configuration and calibration changes you have made.

## To select a standard setting

**Warning: this procedure will reset any configuration and calibration changes you have made.**

- Switch off any power amplifiers that are connected to the 800 and put any digital speakers into standby.
- Put the DVD/CD player into standby by pressing **Off** (front panel or remote).
- Press and hold down **Gain+** (under the front panel).

The display shows:

Type in... 3

- Keep holding down **Gain+** for a further three seconds.

The display shows:

Type- please wait.

Then after a short delay the display shows the current Type.

For example:

Type 3

- Press ▲ or ▼ on the front panel to change the Type number.

The display shows:

Typing, please wait.

- Wait for one second, and then put the DVD/CD player into standby by pressing **Off** (front panel or remote).
- Switch on again to use the standard settings you have selected.

## Setting up the DVD/CD player with other Meridian equipment

If you are using the 800 with other Meridian equipment, such as the 861 Reference Digital Surround Controller, you should set up the comms with the following automatic setup procedure:

- Switch all the units to standby.
- Press **Clear** (remote).

Each unit will display:

Auto Setup

The 800 will then be designated as the controller, and display:

Controller

This is the unit that will respond to the remote.

All the other units will be configured as non-controllers, and display:



Not Controller

Your system is now set up and ready for use.

- If for any reason the automatic setup does not give the configuration you want, restore the default operation by selecting one of the standard Types; see *Choosing a standard setting*, page 50.
- If you are using the 800 with an 861, the 861 will be designated as Controller and the 800 will be configured as Not Controller.
- If you are using the 800 with an 861 we recommend you set **800 present** in the 861 configuration; see the *Meridian 861 Reference Digital Surround Controller User Guide*.

## Setting up sources

This section explains how to use Gain mode to set up the sources connected to the DVD/CD player via an analogue input card.

### To turn on Gain mode

- Put the DVD/CD player into standby by pressing **Off** (front panel or remote).
- Press and hold the **Gain**-key under the front panel for at least five seconds.

The display shows:



The DVD/CD player will then return to standby with Gain mode turned on.

Gain mode adds an extra **Sensitivity** option to the menus.

### To turn off Gain mode

- Repeat the above procedure until the display shows:



### To adjust the sensitivity of a source

To obtain the best signal-to-noise ratio for your analogue sources you can adjust the sensitivity of each input to give the highest level that does not produce clipping.

- Turn on Gain mode, as described above.
- Select the source you want to adjust, with loud source material playing.
- Press **Function** ◀ or ▶ (remote or under the front panel) until the display shows the current sensitivity.

For example:



- Press **Function** ▲ or ▼ (remote or under the front panel) to change the sensitivity.

You can select between sensitivities of 0.5V (most sensitive), 1.0V, 2.0V, or 2.5V (least sensitive).

If the sensitivity is set too high the input will clip the loudest passages.

The display shows, for example:



Radio 0.5V In Clip

In this case reduce the sensitivity.

If you have selected a digital source you cannot adjust the sensitivity.

The display shows, for example:



CD Not Analogue

## **Configuring the DVD/CD player using a computer**

The 800 Reference DVD/CD Player provides a flexible range of customisation options which you can change to suit your own preferences and the other equipment in your system. This chapter explains how to install the Meridian Configuration program, and use it to create your own configurations of the DVD/CD player.



## The Meridian Configuration program

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The Meridian Configuration program is a stand-alone Windows-based application that lets you design your own configuration of each 800 Series product to suit your own personal preferences, and the particular configuration of other equipment in your system.

The Meridian Configuration program provides the following sections to allow you to control the corresponding aspects of each 800 Series product's operation:

### Setup



Setup

Lets you specify general features of the product's operation, including the position of the on-screen display, the information provided on the front-panel displays, the startup volume, and settings affecting its operation in multi-room systems.

### Outputs



Outputs

Lets you configure the product's outputs to suit other equipment in your system.

### Sources



Sources

Lets you customise the operation of each of the sources, the digital or analogue inputs used for that source, and additional information about the type of each source.

### Cards



Cards

Displays information about each of the cards in the product, and lets you add or remove cards.

## Installing the Meridian Configuration program

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### Requirements

To use the Meridian Configuration program you need:

- A computer running Windows 95, 98, 2000, ME, NT 4, or XP.
- A 100MHz or faster Pentium-class processor.
- At least 16Mbytes of RAM.
- 5Mbytes of free disk space.
- A vacant 9-pin serial port assigned to one of COM1 to 4.

The software requires a mouse or similar pointing device – it cannot be operated solely from the keyboard.

### To install the Meridian Configuration program

- Insert the first Meridian Product Configuration program installation disk.
- Choose **Run...** from the **Start** menu.
- Type A: setup and press 
- Follow the on-screen instructions, inserting the second installation disk when prompted.

### If you have an 861 Reference Digital Surround Controller

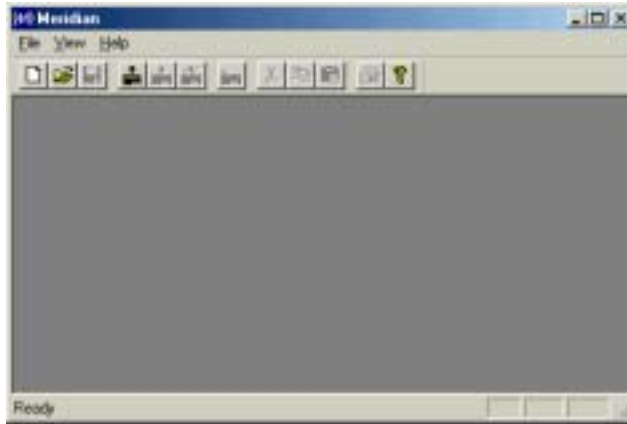
If your equipment includes both an 800 Reference DVD/CD Player and an 861 Reference Digital Surround Controller configure the DVD/CD player first.

Then configure the 861 as described in the corresponding chapter of the *861 Reference Digital Surround Controller User Guide*.

## To run the Meridian Configuration program

- Click **Start** point at **Programs** then click **Meridian Product Configuration**

The **Meridian** window will be displayed:



The toolbar provides a convenient way of accessing the most important menu options:

Button	Option	Function
	New	Creates a new settings file.
	Open	Opens an existing settings file.
	Save	Saves the current settings file to disk.
	Fetch	Fetches the current configuration of the attached product(s).
	Store	Stores the current settings and User Types to attached products.
	Disconnect	Disconnects the program from attached products.
	Add product	Allows you to add a product to the settings file.
	Copy	Copies text or settings onto the clipboard.
	Paste	Pastes text or settings from the clipboard.
	Print	Allows you to print a copy of your settings.
	About	Displays program information.

## To connect the serial cable

The serial cable is symmetrical, and can be connected either way round.

- Connect one end to the RS232 connector on the COMPUTER card (not the DVD CONTROLLER card) on the back panel of the 800 Reference DVD/CD Player.
- Connect the other end to one of the serial ports on the PC or PC notebook computer.

Then specify the serial port you are using as follows:

- Choose **Options** from the **View** menu to display the **Options** dialogue box:



- Select the port you want to use and click the **OK** button.

## Creating a new settings file

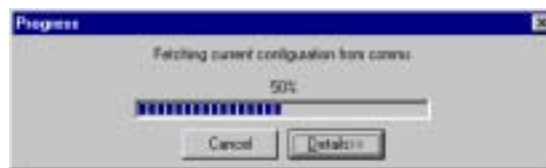
This section explains how to create a new settings file, using the Meridian Configuration program, and how to enter personal information to identify the settings in your product.

The first step is to fetch the initial settings from the 800 DVD/CD Player, to use as a starting point for your configuration.

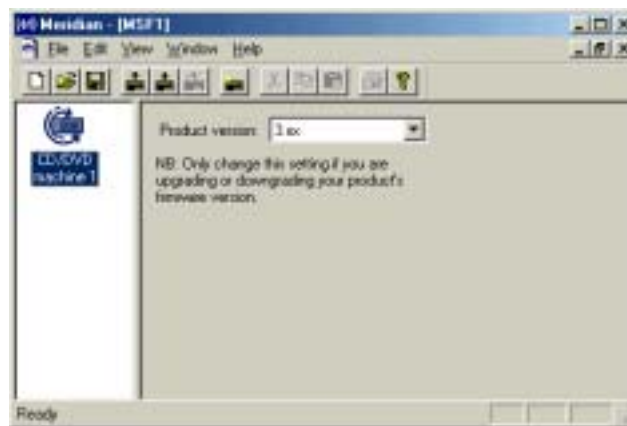
- Click the Fetch button in the toolbar:



The **Progress** dialogue box will show you the progress as the settings are fetched:



A new settings file will be created for you, with the initial name **MSF1** and the **Meridian** window will show a **CD/DVD machine** icon to identify the product you are configuring.

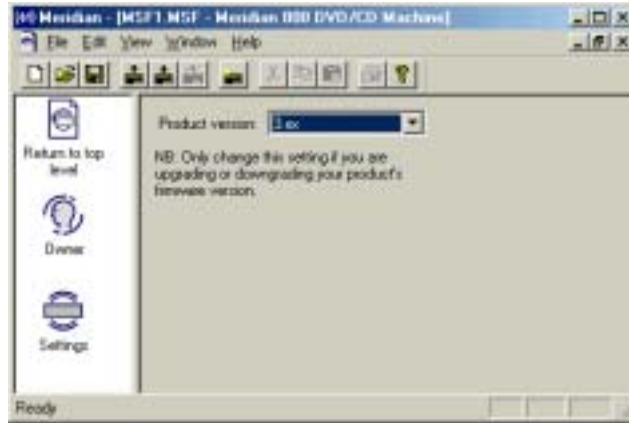


- Check that the correct product version number is displayed in the **Product version** drop-down menu.
- Choose **Save As** from the **File** menu, enter an appropriate name for the file and click the **Save** button.

### To display the settings

- Double-click the **CD/DVD machine** icon, to open it and display the settings it contains.

The left-hand panel of the **Meridian** window will change to show the following three icons:



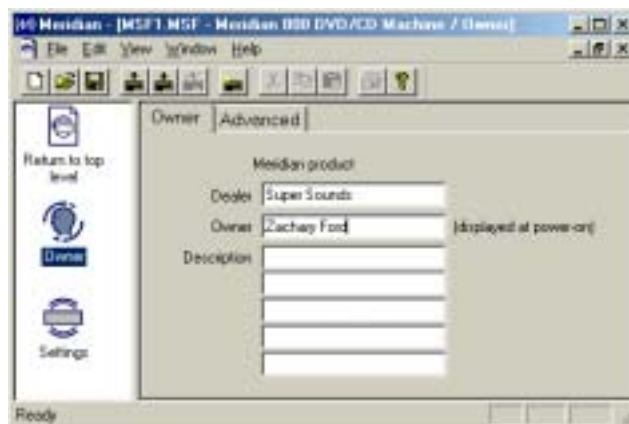
**Owner** lets you enter personal information, for future reference, and choose the message displayed when you first switch the unit on, and **Settings** is the initial configuration in the settings file.

Double-clicking **Return to top level** takes you back to the previous level.

### To enter your personal details

- Click the **Owner** icon in the left-hand panel.
- Enter any text you like in the **Dealer**, **Owner**, and **Description** fields.

You can enter up to 20 characters in each field, the size of the DVD/CD player front-panel display:



The **Owner** text will be displayed when you turn the product on. The **Dealer** and **Description** text are displayed after the product version and serial numbers if you hold down the front-panel **Display** key in standby.

The options on the **Advanced** tab are for use by a dealer in setting up a multi-room system, and to upload a new version of the software to the product, and it is recommended that you do not change these settings.

## To display or edit the settings

- Double-click the **Settings** icon.

The **Meridian** window will change to show the four categories of settings contained in the settings file: **Setup Outputs Sources** and **Cards**

The options available in each case are explained in the following sections.

At this stage you may find it useful to maximise the **Meridian** window so you can see all the options on each screen.

## Setting up outputs

This section describes how to use the Meridian Configuration program to configure the 800 Reference DVD/CD Player's outputs to suit the other equipment in your system.

For each audio format you can specify whether the equipment connected to the Main and Tape digital outputs can decode that format.

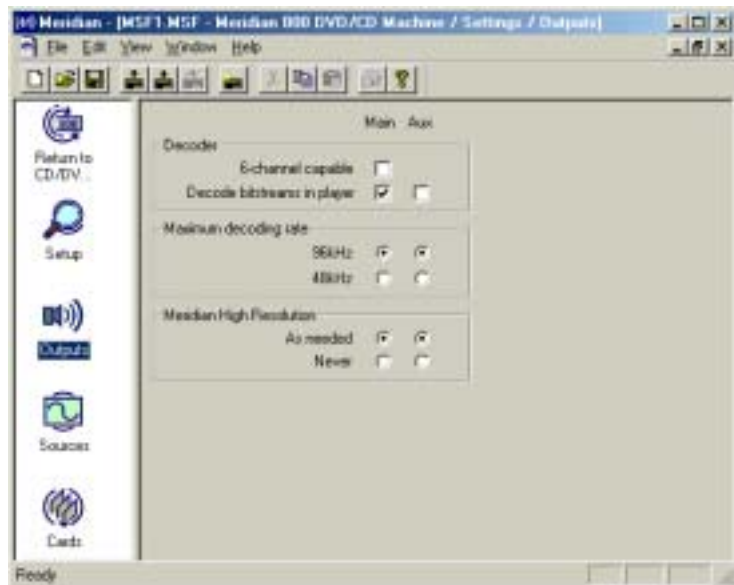
The options are arranged in two columns:

- **Main** specifies the options for the main multi-channel outputs.
- **Aux** specifies the options for the auxiliary outputs.

DVD-Audio tracks may have between one and six channels active. When playing a multi-channel recording, there may also be a 2-channel version available on the 800 DVD/CD Player auxiliary output, depending on how the disc was authored. If your playback system is 2-channel then the 800 should be configured to force a 2-channel output from the main left and right outputs.

### To specify the outputs

- Click **Outputs** in the left-hand panel of the **Meridian** window:



- In the **Decoder** section select **6-channel capable** if your decoder can accept a multi-channel input. This option is only available for the main multi-channel outputs.

- Select **Decodebitstreams inplayer** if you want the 800 DVD/CD Player to decode bitstreams, such as Dolby Digital and DTS, to PCM on the specified outputs.

Select the option if you are connecting the output to an external surround decoder.

Leave the option unselected if you are connecting the output to an 861 via a Meridian multi-channel link, or to Meridian DSP loudspeakers or a digital preamplifier.

- In the **Maximumdecodingrate** section specify the maximum decoding rate that the equipment connected to each set of outputs can accept.

When playing audio at higher rates it will be downsampled to the rate you have specified on the corresponding outputs.

### To specify Meridian High Resolution (MHR)

Meridian High Resolution is a proprietary format using encryption and anti-copy methods that allows secure transfer of audio streams between elements of a Meridian-only system for the purpose of playback only. It provides a secure copyright protection environment and has the very important benefit of lowering jitter and improving sound quality on all material.

The **Meridian High Resolution** options allow you to specify whether MHR-encoding is used for each of the main digital outputs.

If you are connecting either of the outputs to non-Meridian equipment, or Meridian equipment that is not MHR compliant, set the option for the corresponding output to **Never**

If you are connecting either of the outputs to a Meridian product that is MHR compliant, such as the 861 Reference Digital Surround Controller, set the option for the corresponding output to **As needed** to take advantage of MHR.

**Note:** If you select **Never**, the 800 will downsample certain copy-protected discs to 16-bit resolution at either 44.1kHz or 48kHz.

## Setting up sources

This section describes how to use the Meridian Configuration program to configure the sources provided by the DVD/CD player.

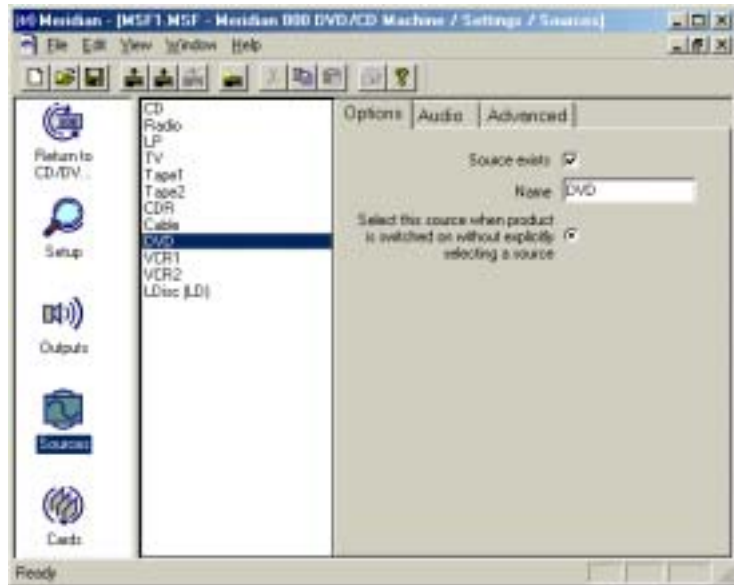
### To set up sources

- Click the **Sources** icon in the left-hand panel of the **Meridian** window.

The right-hand panel shows a list of the 12 sources that are available. For each source you can display three pages of settings by clicking the **Options**, **Audio** or **Advanced** tabs.

### To configure the source options

- Select the source in the list of sources.
- Click the **Options** tab:



- Select **Source exists** if you want to use this source.

You can prevent the source from appearing in the list of sources, or being selectable using the Meridian System Remote, by disabling this option.

- If you want, you can change the name displayed when the source is selected by editing the **Name** field.

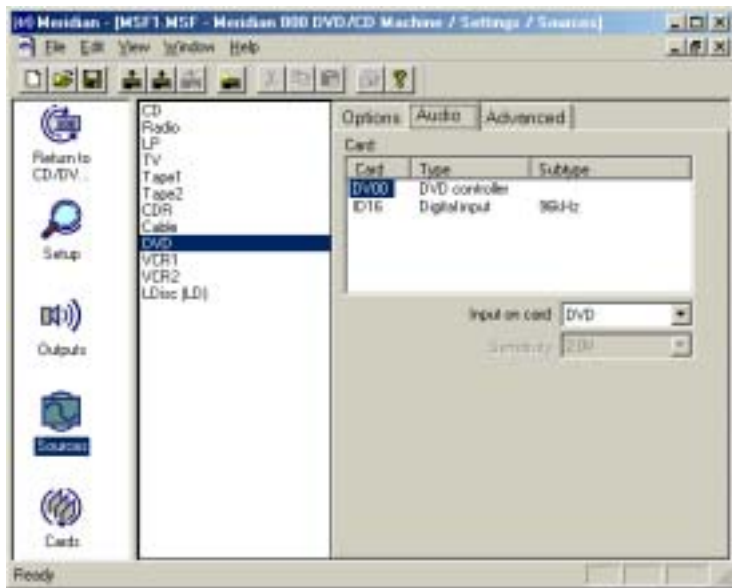
The name can consist of up to five letters, digits, or the characters space, full-stop, and minus. The name you specify is shown in the list of sources followed by the Meridian System Remote key used to select the source in brackets.

- Click **Select this source when product is switched on** to specify that this source should be selected when the DVD/CD player is switched on from standby with a key other than a source key.

This would usually be chosen as either DVD or CD.

### To specify the audio connections

- Click the **Audio** tab to show the connections for the audio inputs:



- Select the card in the **Card** list to specify the location of the connector used for the source.

To use the internal DVD/CD drive select **DV02** the DVD controller.

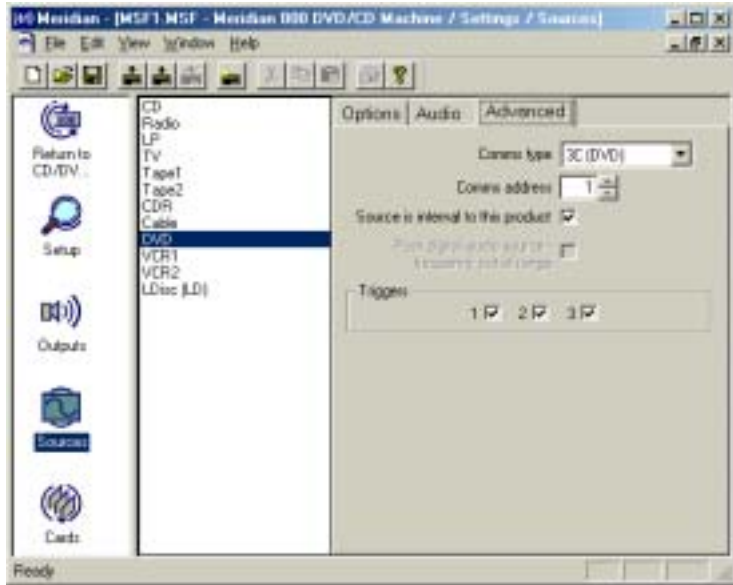
- From the **Input on card** drop-down menu specify the digital or analogue audio input you want to use for the source, or **Last valid** leave the input unchanged when you select the source.

If you have chosen an analogue input for the main audio input:

- Specify the sensitivity of the input by choosing an appropriate option from the **Sensitivity** drop-down menu.

## To set the advanced source options

- Click the **Advanced** tab to show the **Advanced** page of settings:



- If the source is a Meridian product (internal or external), set **Comms type** to **1C** for a CD player, **2C** for an FM tuner, and **3C** for a DVD player. Otherwise set it to **none**
- If you have more than one Meridian source of the same type you can configure them to have different Comms addresses. You can then select the appropriate source by specifying its Comms address in the **Comms address** field. Normally this is set to 1.
- Select **Source is internal to this product** the DVD controller.
- Select **Poor digital audio source - frequency out of range** if you have difficulty locking to a source.
- Select any of **Triggers 1, 2, or 3** to activate the specified trigger outputs when this source is selected.

## Configuring cards

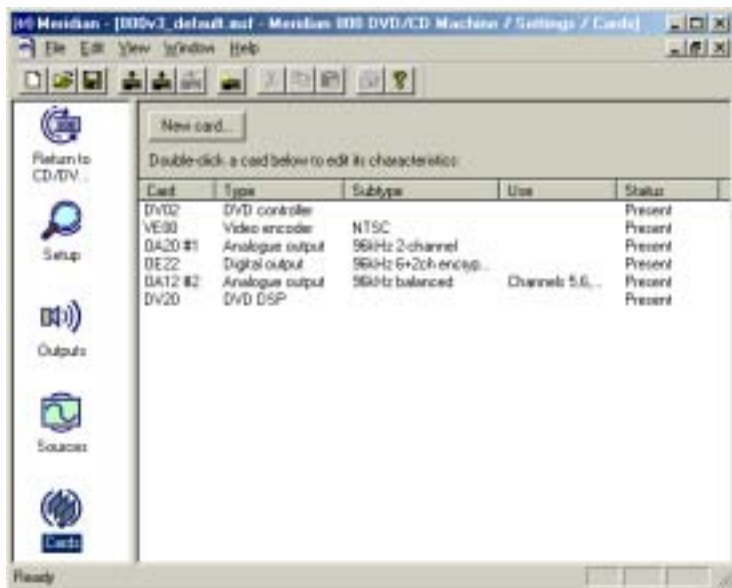
The **Cards** panel displays information about each of the cards in the product, and lets you change the configuration of a card, and add or remove cards.

You will normally only need to use this panel if you upgrade the 800 Reference DVD/CD Player by adding a new card.

### To set up cards

- Click the **Cards** icon in the left-hand panel of the **Meridian** window.

The right-hand panel shows a list of the cards fitted to the product, and allows you to add cards or remove cards:



## To change the address for a card

If you have fitted two cards of the same type you will need to assign a different address to each card to identify them.

- Double-click the card in the **Card** column.

The **Card properties** dialogue box shows the card's current setting:



- Select the address you want to use and click the **OK** button.

## Changing the setup options

The final stage in editing the settings is to configure the general **Setup** options.

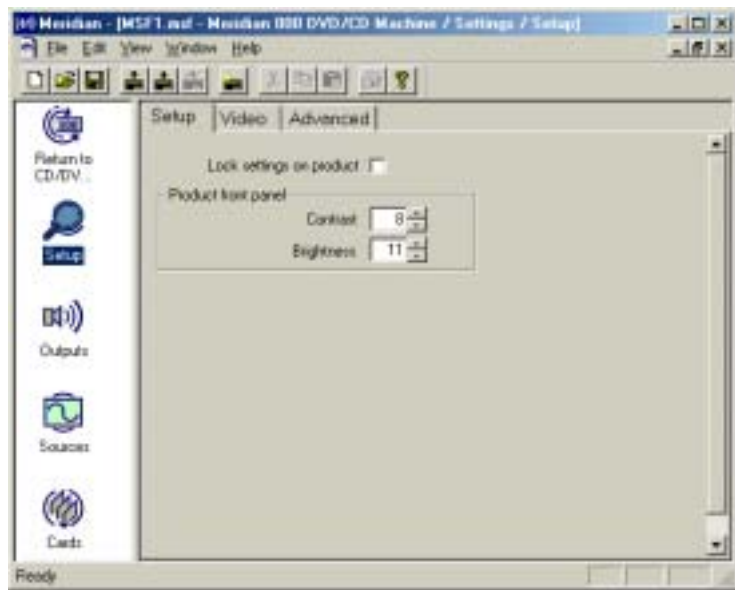
### To change the setup options

- Click the **Setup** icon in the left-hand panel of the **Meridian** window.

The setup options are provided on three pages that you can display by clicking the **Setup**, **Video** or **Advanced** tabs.

### To configure the setup options

- Click the **Setup** tab:

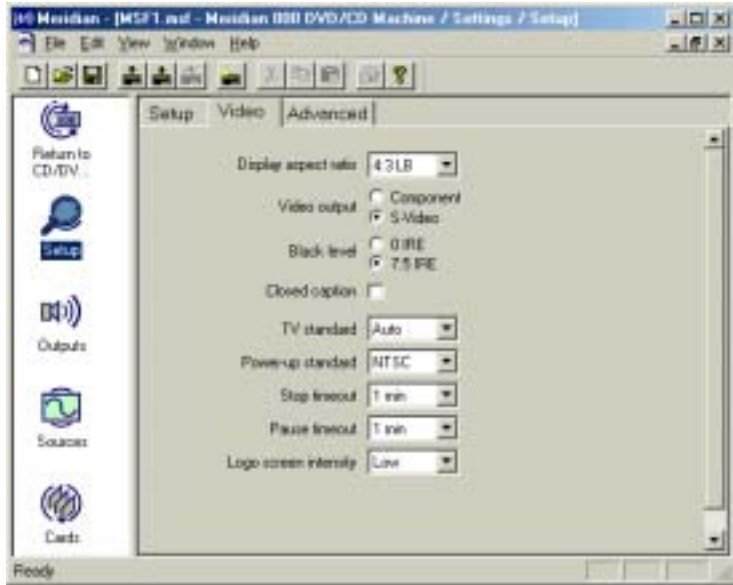


The **Setup** options are described in the following table:

Option	What it means
Lock settings on product	Locks the parameters.
Contrast and Brightness	Set the default brightness and contrast for the front-panel display.

## To configure the video options

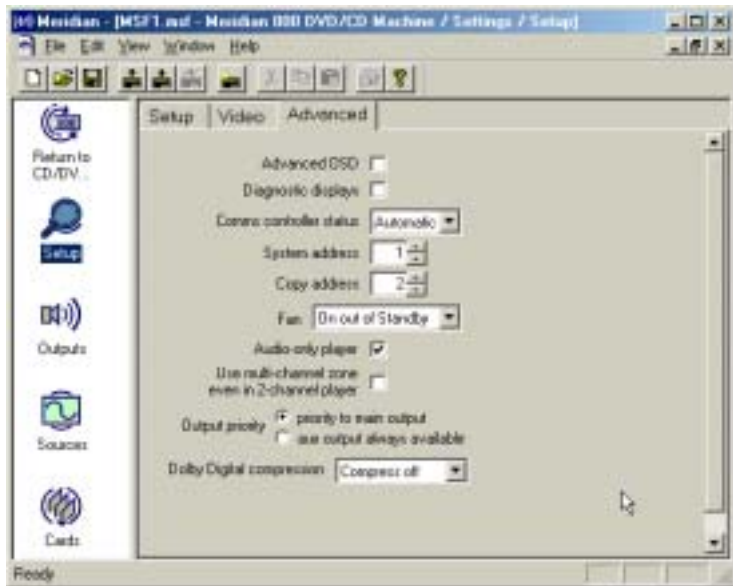
- Click the **Video** tab:



These options are equivalent to the corresponding options on the **Playback options** and **Video setup** menus; see *Setting default options*, page 36.

## To configure the advanced options

- Click the **Advanced** tab:



The **Advanced** options are described in the following table:

Option	What it means
Advanced OSD	Replaces the repeat mode icon in the OSD with either the bit rate (DVD-Video or DVD-Audio discs), or the number of error corrections made (CDs).
Diagnostic displays	Includes diagnostic displays in the display options.
Comms controller status	Specifies whether the DVD/CD player is controller, not controller, or set automatically.
System and Copy address	For multi-room setups.
Fan	Choose <b>Never on</b> , <b>On out of Standby</b> , <b>On when source is internal</b> , or <b>Always on</b> to determine when the internal fan is active.
Audio-only player	Select this if the DVD/CD player is not connected to a display to navigate DVD-Audio discs in the same way as CDs.
Use multi-channel zone even in 2-channel player	Allows a 2-channel player to access multi-channel groups on DVD-Audio discs and produce a 2-channel downmix.
Output priority	Choose <b>priority to main output</b> for the highest possible audio quality on the main output, or <b>aux output always available</b> to ensure there is always a version of the content on the auxiliary output.
Dolby Digital compression	Choose <b>Compression off</b> for no compression, <b>Quiet boost</b> to increase the level of quiet sounds, <b>Loud cut</b> to reduce the level of loud sounds, or <b>Compression max</b> for both <b>Quiet boost</b> and <b>Loud cut</b> .

## Creating a User Type

The final step is to store your settings permanently to the product as a User Type, so that you can reset the unit to them whenever you need to.

When you store one or more User Types to the DVD/CD player they become available in the list of Types, alongside the built-in Types. For more information about selecting one of the Types see *Choosing a standard setting*, page 50.

### To name the User Type

- Click the **Settings** icon in the left-hand panel of the **Meridian** window:



- Enter a suitable name in the **Type name** field to identify your User Type, such as **Standard**

The name can have up to 12 characters.

### To create additional User Types

If you wish you can create several User Types, and store them all to the DVD/CD player. You can then reset the DVD/CD player to any of the User Types by selecting the appropriate Type name.

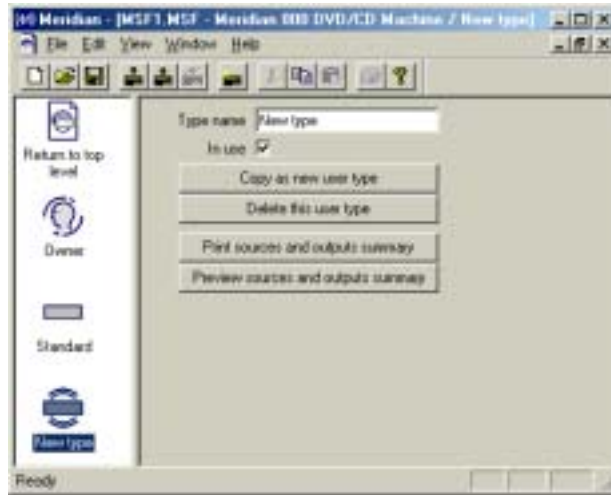
To create a new User Type:

- Select the User Type you want to base it on in the left-hand panel of the **Meridian Setup** window; eg **Standard**
- Click the **Copy as new user type** button.
- Select **In use** if you want the User Type to be selected automatically when you store it to the DVD/CD player.

The User Type currently specified as **In use** is identified by the circle icon in the left-hand panel of the **Meridian** window:





Initially the new type will be created with the same settings as the type you based it on, and with the name **New type**




You can then change the name of the new Type, and configure its settings, in exactly the same way as for the original Type.

## To copy settings between User Types

- Highlight the User Type you want to copy the settings from.
- Choose **Copy** from the **Edit** menu, or click the Copy button in the toolbar: 
- Highlight the User Type you want to copy the settings to.
- Choose **Paste** from the **Edit** menu, or click the Paste button in the toolbar: 

You can also copy and paste source and preset settings from one section of a user type to the same section of another user type as follows:

- Highlight the icon corresponding to the section of settings you want to copy: **Sources** or **Cards**
- Choose **Copy** from the **Edit** menu, or click the Copy button in the toolbar: 

- Highlight the same icon in the User Type you want to copy to.
- Choose **Paste** from the **Edit** menu, or click the Paste button in the toolbar:



## Completing the configuration

The final stage in creating a settings file is to save it, and then store it to the DVD/CD player.

### To save the current settings

- Choose **Save** from the **File** menu or click the Save toolbar button, to save the changes you have made to the settings file to your PC hard disk:



### To store the settings to the 800 Reference DVD/CD Player

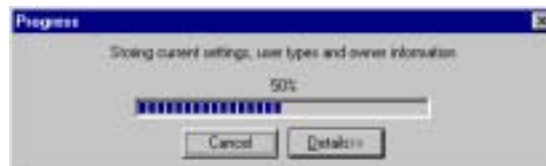
- Click the **Store** button:



The settings will then be downloaded to the product, and the display shows:

Receiving Data...

As the download proceeds the following dialogue box shows its progress:



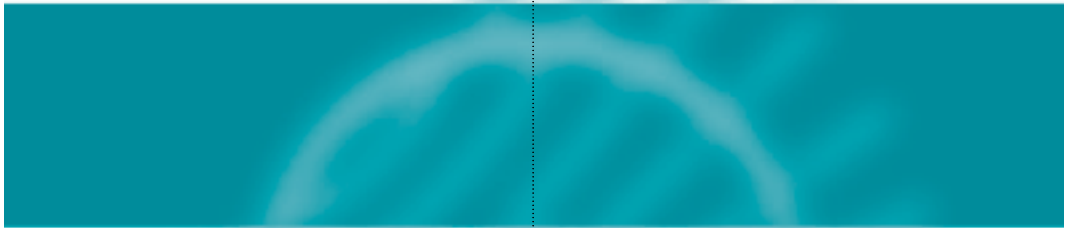
If the download was successful the product will briefly display the owner name you have defined;

For example:

Zachary Ford

It will then switch itself to standby.

The User Type you have created will now be available in addition to the built-in Types, and will be selected by default if you need to reset the configuration of the DVD/CD player; see *Choosing a standard setting*, page 50.



## **Glossary**



**AC-3**

An alternative name for the Dolby Digital format.

**Controller**

The product in a Meridian system that uses the infra-red signals from the remote to control the system. The controller is normally chosen automatically, but the installer can override this.

**CPPM**

Content Protection for Prerecorded Media, a cryptographic method for protecting entertainment content when recorded on physical media.

**CSS**

Content Scrambling System, a method for protecting the copyright in recorded works.

**Dolby Digital**

A digital surround-sound which provides five full-frequency range channels (left, centre, right, left surround, and right surround) and an additional Low Frequency Effects (LFE) channel which is band limited to 120Hz.

**Dolby Surround**

The encoding system used for the majority of movies on video and many TV broadcasts. Dolby Surround encoded material can be replayed with a surround decoder connected to an array of loudspeakers which normally include at least left, centre, right, and rear surround.

**DTS**

Digital Theatre Systems originally produced digital audio tracks for motion pictures. A version of this format adapted for consumer video and audio products is referred to as DTS Entertainment. Like Dolby Digital it provides five full-frequency range channels (left, centre, right, left surround, and right surround) and an additional Low Frequency Effects (LFE) channel.

**DVD**

Digital Video Disc or Digital Versatile Disc, a CD-sized disc with nearly 30 times the storage capacity of CD. It is capable of storing digital video, high-quality multi-channel audio, or computer data.

## DVD-Audio

A DVD containing audio tracks in one or more of a number of alternative formats to provide higher quality or higher capacity than CD, multi-channel audio, together with the option of still images or video. A DVD-Audio disc may also include lower quality versions of the material in DVD-Video format for compatibility with players that do not support DVD-Audio.

## DVD-Video

A DVD containing video tracks together with one or more soundtracks, menus, and other entertainment features.

## Menus

The flexible system for choosing options and configuring settings in Meridian products. On the 800 the menus are controlled by the ◀▶, ▲, and ▼ keys on the front panel or the MSR.

## MHR

Meridian High Resolution is a proprietary secure encoding format using encryption and anti-copy methods that allows secure transfer of audio streams between elements of a Meridian-only system for the purpose of playback only. It provides a secure copyright protection environment and has the very important benefit of lowering jitter and improving sound quality on all material.

## MLP

MLP (Meridian Lossless Packing) is an audio format that increases the amount of information that can be recorded on a CD or DVD, without any loss of quality. MLP is a mandatory format for DVD-Audio.

## MPEG Audio

MPEG Audio is a digital encoding system developed by the Motion Picture Expert Group. Like Dolby Digital it provides five full-frequency range channels and an additional Low Frequency Effects (LFE) channel.

## MPEG Video

MPEG Video is a video compression technique used to encode video for DVD-Video discs.

## MSF

Meridian Settings File, a file containing settings and User Types for one or more Meridian Products.

**MSR**

The Meridian System Remote, or handset.

**OSD**

On-screen display, which the 800 can superimpose on the video image to give information about the disc.

**PCM**

Pulse Code Modulation, the method used to encode music digitally, as used on audios CDs.

**Source**

An input to the system, such as CD or TV. The Meridian 500 and 800 Series provide 12 named sources, corresponding to the names of the 12 source keys on the MSR. In the 800 you can choose the label displayed for each source, and the input used for it.

**Type**

A standard configuration of the DVD/CD player. Selecting a Type resets any configuration changes.

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