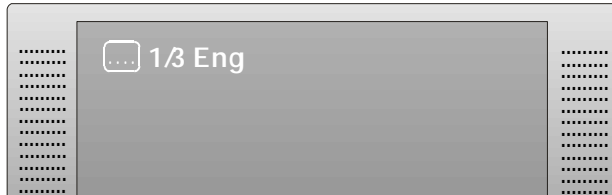


Subtitles



A DVD may contain up to 32 subtitles.

When playing a disc, press the **SUBTITLE** button repeatedly to select the desired language. The status will be displayed on screen.



ZOOM

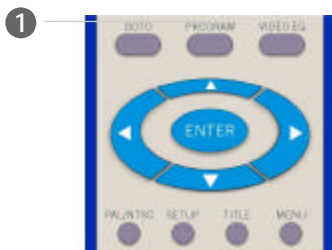


When playing a disc, press the **ZOOM** button repeatedly to enlarge the viewable picture.

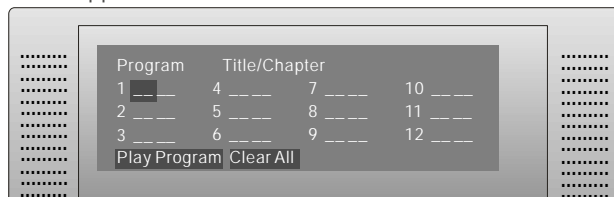


During zoom, press the **ARROW** buttons to adjust the viewing position.

Program Mode



In stop mode, press the **PROGRAM** button, program menu appears.



Program to play a DVD, CD disc in a desired sequence automatically.

NOTE

- Some DVD discs do not allow programming.
- Single track disc cannot be programmed.

Use the **ARROW** buttons to highlight the desired program (a DVD Title or Chapter, or a Track on a CD), input the number of the Title/Chapter or Track for CD. Repeat the above step until programming completed.

Highlight **Play Program** icon and press **ENTER** button to execute the program.

Highlight **Clear All** icon and press **ENTER** button to clear the program.

Press **STOP** button to exit program mode.

SETUP MENU

Various features of the player can be adjusted in the *SETUP* menu:

In **STOP** or **STOP RESUME** mode, press **SETUP** button. *SETUP* menu appears.



Highlight the desired icon and press the **ENTER** button to activate the setting sub menu.

Language

Enter this menu to setup the language used in the OSD display and the default language for the DVD disc subtitle, DVD disc audio and DVD disc start menus. The available options are English, French and Spanish.

Press **SETUP** button.

Highlight "Language" icon, press **ENTER**.
Language sub menu appears.



Highlight the desired item and press **ENTER** to change the setting.
Press **SETUP** button to save the setting and quit.

Default setting

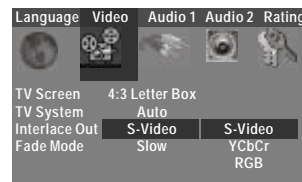
OSD Menu	: English
Subtitle	: Off
Audio	: English
Disc Menu	: English

Video

Enter this menu to alter the video setting

Press **SETUP** button.

Highlight the "Video" icon, press **ENTER**.
Video sub menu appears.



Highlight the desired item and press **ENTER** to change the setting.
Press **SETUP** button to save the setting and quit.

Default setting

TV Screen	: 4:3 Letter Box
TV System	: Auto
Interlace Out	: S-Video
Fade Mode	: Slow

TV screen

The aspect ratio of the picture provided by the DVD player can be varied in line with the features available on the TV in use.

4x3 Letter Box

Allows you to see movies in their original aspect ratio. The entire frame of the movie will be displayed but it will occupy a smaller portion of the screen.



4x3 Pan Scan

The picture will fill the screen with the centre of the image. The left and right edges of picture may be outside the range of the screen.

This function is only active if the "Pan Scan" data is recorded on the disc. Otherwise, the picture will be displayed in Letter Box mode.



SETUP MENU (Press SETUP button)

16x9 Wide Scr

When you connect to a wide screen TV, this setting will allow the original aspect ratio to be displayed using the whole screen.



NOTE

Depending on the DVD disc format, e.g. 2.35:1, the wide screen setting may still have black margins above and below the picture.



TV System

If your TV is able to display both PAL and NTSC video, set this to Auto to get the best picture quality. If your TV is "single standard" set "TV system" to PAL or NTSC as appropriate. The Z122 will convert PAL to NTSC or NTSC to PAL when required but the best picture quality will always be obtained when playing a disc of the same format as the single standard TV.

Interlace Out

The player is equipped with Interlaced and Progressive Scan video output.

Interlaced video output includes:

- 1) Composite video (CVBS)
- 2) S-Video
- 3) Y Pb Pr
- 4) RGB (SCART)

Choose a connection appropriate for your system.

See "Video Outputs" on page 1 for full details of setting the correct video output mode.

Fade Mode


Fade mode is a special feature that fades the picture when you skip a chapter.

The speed of the fade can be set to "Fast", "Slow" or "Off".

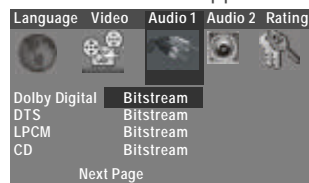
Audio 1 (digital audio)

Enter this menu to alter the digital audio output format. The selectable output formats are Bitstream, PCM or Off (Note: "PCM" output is not available with DTS sources).

Press **SETUP** button 

Highlight "Audio 1" icon  press **ENTER**

Audio 1 sub menu appears.



Highlight the desired item and press **ENTER** to change the setting.

Press **SETUP** button to save the setting and quit.

Default setting

Dolby Digital	: Bitstream
DTS	: Bitstream
LPCM	: Bitstream
CD	: Bitstream
MP3	: Bitstream
WMA	: Bitstream
Other	: Bitstream
Down Sampling	: On

Down Sampling

When playing "audiophile" DVD music discs recorded with 24bit/96kHz data the Z122 can "down-sample" this data to 48kHz to make it accessible to all digital processors. If "Down Sampling" is set to Off the full 96kHz data rate is output - allowing wideband reproduction from processors which can accept 96kHz data (e.g. Myryad MDP 500 G6).



IMPORTANT NOTE

- 1 "PCM" output is not available with DTS sources.
- 2 For LPCM, CD, MP3, WMA and others the output is PCM, whether set to Bitstream or PCM.

SETUP MENU (Press SETUP button)

Audio 2 (analogue audio)

Enter this menu to alter the analogue audio output settings.

Press **SETUP** button 
Highlight "Audio 2" icon  press **ENTER**
Audio 2 sub menu appears.

Language Video Audio 1 Audio 2 Rating



Highlight the desired item and press **ENTER** to change the setting.
Press **SETUP** button to save the setting and quit.

Default setting

Pro Logic	: Off
Cent Delay	: 0 ms
Surr Delay	: 0 ms
Spkr Setup	: Down Mix (5.1 not activated)

Pro Logic

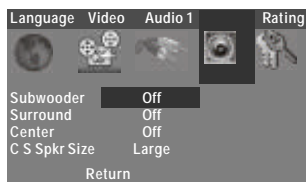
The player is equipped with a Dolby Pro Logic decoder. You may turn this on or off.

Cent Delay / Surr Delay

For 5.1 decoded output (see *Spkr Setup* below), you may add signal delay to the Center and Surround speaker outputs, to compensate if the Center or Surround speakers are closer to the listener than the Left and Right front speakers. The delay can be set between 0ms and 5ms which will compensate for differences in speaker distance for 0 to 5 feet (0 to 1.52m)

Spkr Setup

The player defaults to L R down mixed stereo audio output. This is the normal setting for connecting the player to a TV.





Highlight "Spkr Setup" icon, press **ENTER** button, sub menu appears. Highlight "5.1 Channel" icon, press **ENTER** button. Highlight the connected speaker's name press **ENTER** button to switch the speaker ON or OFF. Highlight "C S Spkr Size" and press **ENTER** button to select Large or Small speakers. If "Large" is selected the speakers will receive the full frequency range. If "Small" is selected the bass frequencies will be redirected to the subwoofer. After setting all speakers, press **SETUP** button to quit.

Test Mode

With no disc in the player and the tray closed the Test Mode option will appear in the Audio 2 menu. Highlight "Test Mode" and press **ENTER**. The player will output a noise signal to each of the speakers in turn to allow you to test each speaker (analogue outputs only). The TV display will show which speaker is active. Press **RETURN** to leave Test Mode.

Rating

Enter this menu to alter the rating level of the player. The player will require a password to play any disc with a rating level higher than the setting.

Press **SETUP** button 
Highlight "Rating" icon  press **ENTER**
Rating sub menu appears.



Highlight "Password", input the 4 digit password, and press **ENTER** button to release the rating lock.

Default setting

Password	: 7890
Rating	: 8. Adult

Highlight "Rating", then press **ENTER** button repeatedly to change the setting:

1. Kid Safe
2. G
3. PG
4. PG_13
5. PG_R
6. R
7. NC_17
8. Adult

Highlight "Password", re-enter the password and press **ENTER** button to lock. Press **SETUP** button to save the setting and quit.

To reset the password, first input the current password (e.g. "7890") and press **ENTER**. The TV screen will display "unlock". Then input the desired new password and press **ENTER** again.

SMART MY-LINK OPERATION

Introduction

When used as a linked system with a Myryad Integrated Amplifier equipped with "Smart My-Link" the Z122 has a number of extra features that make the system as a whole easier and quicker to use than a normal hi-fi. These include:

Start-on-Play (DVD)

Press play on the DVD player (or the remote control) and both the DVD player and the amplifier will switch out of standby (if necessary) and play the DVD. The amplifier will automatically select the DVD source.

Start-on-Open (DVD)

Press open/close on the DVD player (or the remote control) and both the DVD player and the amplifier will switch out of standby (if necessary) and the DVD drawer will open. The amplifier will automatically select the DVD source.

Intelligent Input Select (Amplifier)

Press a source button (e.g. DVD) on the amplifier's remote control and the system will awaken (if in standby) only the amplifier and the selected source (e.g. DVD player).

Mute/Pause Control (Amplifier/DVD)

When the DVD input on the amplifier is selected, pressing MUTE on the amplifier's remote control will mute the amplifier and pause the DVD. When the amplifier mute is cancelled, DVD playback will resume.

Power-Saving Mode (Amplifier)

The amplifier will switch the DVD Player into standby if the DVD input remains unselected for more than ten minutes.

Automatic Switch-On (DVD)

If the standby button on the DVD player is pressed, the amplifier will also awaken and select the DVD input.

MYRYAD A/V REMOTES

Introduction

Any Universal Remote Controls "Home Theater Master" SL-9000 or SL-9000 derived handset (such as the Myryad A/V Learning Remote) can be used to control the Z122 in one of the following ways:

1. With a Myryad A/V Learning Remote press the DVD device button. Check the operation of the OPEN/CLOSE, PLAY and STOP functions. If they work correctly then the remote has the Z122 control codes pre-loaded. The handset keys will operate as described below.

2. With a non-Myryad SL-9000 remote, or if method 1 does not work, you must download code page 001 OR 102 using the following procedure:

- i) Press the DVD device button at the top of your handset and the MUTE button simultaneously. SET will appear in the LCD display.
- ii) Enter the three digit code 001. S_001 will appear in the LCD display.
- iii) Press the DVD device button again and PASS will flash in the LCD display.
- iv) Check that the remote control now operates correctly in DVD mode, controlling your Z122.

3. If methods 1 and 2 do not work then the handset does not already contain the codes to control the Z122. It must be programmed using the remote's Learning mode (described in the Home Theater Master's Operating Manual) to teach it all the commands that you use most regularly.

If method 1 or 2 above proves successful then the SL-9000 handset, when set to DVD mode, will operate the Z122 with the following functions. It is recommended that a similar layout is also used if method 3 is adopted. The key numbers in the table below are those used in the SL-9000 Operating Manual.

If the SL-9000 is loaded with code page 001 then the Volume Up, Volume Down and Mute keys are already pre-programmed to control Myryad integrations with the handset in DVD mode. If the handset only has code page 102, or the DVD commands are entered using the SL-9000's learning mode, the Volume Up/Down and Mute commands can still be sent by invoking the SL-9000's "Volume Control Punch Through" mode (see SL-9000 Operating Manual - Advanced Features - Volume Punch Through). These functions will appear on their normal keys - 10, 12 and 13 so that no DVD functions are lost.

Key function table for Home Theater Master SL-9000 pre-programmed with Myryad DVD Codes.

Key	Name	DVD Function
9	POWER	DVD STANDBY
11	T/V	NTSC/PAL
14	CH UP	SKIP forward
15	CH DOWN	SKIP BACK
16	UP/PAUSE	PAUSE/STEP
17	DOWN/STOP	STOP
18	RIGHT/F.F.	SCAN forward
19	LEFT/REW	SCAN BACK
20	SEL/PLAY	PLAY
21	GUIDE/<<	SETUP
22	MENU/>>	MENU
23	EXIT/REC	CLEAR
24	PRE.CH/EJECT	OPEN/CLOSE
25-34	1-0	1-0
35	+10	DIM
36	ENTER	ENTER
37	FAV	RETURN

Key	Name	DVD Function
38	INFO	OSD
39	NEXT	GOTO
40	ALT	AUDIO
41	COMP	CURSOR UP
42	SRCE +	CURSOR DOWN
43	MODE +	No Function
44	TRIM +	ANGLE
45	LEVEL	SLOW PLAY
46	CINE EQ	CURSOR LEFT
47	SRCE -	CURSOR RIGHT
48	MODE -	SUBTITLE
49	TRIM -	REPEAT
50	DELAY	No Function
51	M1	A-B REPEAT
52	M2	ZOOM
53	M3	TITLE
54	M4	PROGRAM

TROUBLESHOOTING

Should your DVD player develop a problem, please check below before requesting service:

Symptom	Check and Action
No Power	<ul style="list-style-type: none"> • Check that the power cord has been properly connected to the power outlet. • Check that power has been switched on at the socket and on the rear panel.
Does not play	<ul style="list-style-type: none"> • No disc, load a disc. • Disc has been loaded upside down. Place the disc with the label side up. • Disc's region code does not match that of the player. • Disc is not of the correct type for the player. • Disc is damaged or dirty, clean the disc or try another disc. • Moisture may be condensed inside the player. Remove the disc and leave the unit power on for one or two hours.
No Picture	<ul style="list-style-type: none"> • Check that the TV set has power, use TV remote to select A/V signal for DVD rather than broadcast. • Connect Composite (CVBS) video cable and check Video Setup menu (See Video Outputs, page 1) • Check that the system is properly and securely connected. • Check that connection cables are not damaged. • Clean the disc.
Picture noise / distorted	<ul style="list-style-type: none"> • The disc is dirty or damaged. Clean the disc or try another disc. • Check the colour system of the player and the TV set. • Connect the player directly to the TV set instead of via other components, such as a VCR.
Picture not full screen	<ul style="list-style-type: none"> • Select the screen format from the player's SETUP MENU, see "<i>SETUP MENU</i>" in this manual. • Select the screen format from DVD disc menu.
Malfunction	<ul style="list-style-type: none"> • Should the player develop a malfunction, unplug the player for 30 minutes. After 30 minutes, power on the player and the restore function should reset the player.



CAUTION : To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only to qualified service personnel.

Symptom	Check and Action
Cannot SKIP or SCAN	<ul style="list-style-type: none"> Some discs are programmed to prevent users using SKIP or SCAN at some sections, especially at the beginning WARNING section. SKIP does not work with single Chapter discs.
No sound or poor quality sound	<ul style="list-style-type: none"> Check that the TV and Amplifier have been switched on, and correctly set. Check that the TV and Amplifier are correctly connected.. Press AUDIO button to select an alternative audio track. Check that the MUTE function of the TV or Amplifier is not active There will be no sound output during REVERSE PLAY / PAUSE / STEP / SLOW and SCAN. DTS discs used and no sound from TV. <ul style="list-style-type: none"> Select an alternative audio track by pressing the remote control "AUDIO" button, or by using setup in the disc menu. Connect the digital audio output to a digital amplifier (or pre-amplifier such as, for example, a Myryad MDP 500 G6 Pre-amplifier Processor).
No surround sound	<ul style="list-style-type: none"> If digital output has been activated: <ul style="list-style-type: none"> Press SETUP button Highlight "AUDIO" Highlight "DIGITAL OUTPUT" Select BITSTREAM or LPCM Press SETUP button Check that the amplifier or active type loudspeakers are switched on..
MP3 disc no sound or noisy	<ul style="list-style-type: none"> When PC program files or other data files are mixed with MP3 files on the same disc, the player may play the non-MP3 files with noise or no sound. Check the disc, if all the files on disc are MP3 files Skip the file, try other files.
Remote control does not function	<ul style="list-style-type: none"> Remove the obstacles between the remote control and the player. Point the remote control towards the remote sensor on the player. Check that the batteries of the remote control have been loaded correctly. Replace the remote control batteries.

SPECIFICATIONS

Type of Disc	DVD CD CD-MP3 VCD/SVCD Kodak Picture CD CD-R / CD-RW DVD-R/DVD+R WMA
Disc capacity	120 or 80mm
Programming Capacity	12 tracks
Video Format	MPEG 2
Audio Format	MPEG 1, LAYER 1, LAYER 2 , LAYER 3
Output Terminals	Composite (CVBS) output X 1 S-Video output X 1 Y Pb Pr Component Video output X 1 (Interlaced or Progressive Scan) SCART output X 1 (CVBS and RGB video, stereo analogue audio) Down Mix Stereo output (Left and Right) X 1 DOLBY DIGITAL decoded 5.1 channel analogue output X 1 DOLBY DIGITAL/DTS digital optical output X 1 DOLBY DIGITAL/DTS digital coaxial output X 1

SPECIFICATIONS

Video outputs (interlaced scan only)	Composite S-Video, Y S-Video C RGB	1 Vp-p / 75 Ω 1 Vp-p / 75 Ω 0.3 Vp-p / 75 Ω (PAL) 0.286 Vp-p / 75 Ω (NTSC) 0.7 Vp-p / 75 Ω (plus 0.3V sync on Green)
Interlaced or Progressive Scan	Component - Y / Pb / Pr	1 / 0.52 / 0.52 Vp-p / 75 Ω
Audio outputs (analogue)	Digital-to-Analogue Converter Output level at 0 dB Output impedance	24 bit Delta-Sigma 2.0 Vrms 330 Ω
Frequency Response	CD: DVD:	20Hz - 20kHz (EIAJ) +/- 0.5 dB 20Hz - 22kHz (48k) +/- 0.5 dB 20Hz - 44kHz (96k) + 0.5 / -6 dB
THD	< 0.01 %	
Audio outputs (digital)	Coaxial Optical Standards Sample rates	75 Ω Toslink optical coupler PCM, Dolby Digital, DTS Up to 96 kHz
Power input	100-240 VAC ~50/60Hz 25W (Max)	
Dimensions	Body size : W436 x D286 x H78 mm Net weight : 5.3 Kg	

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NOTES

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