



**Portable DVD
Service Manual**

MODEL: DPS-5702D



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SAFTY INSTRUCTION WARNING AND NOTES



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE UNIT'S CABINET THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE MANUAL ACCOMPANYING THE UNIT.

WARNING:

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THE UNIT TO RAIN OR MOISTURE. NEVER ATTEMPT TO OPEN THE CABINET. DANGEROUS HIGH VOLTAGES ARE PRESENTED IN THE UNIT. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE- BLADE PLUG WITH WIDE SLOT AND FULLY INSERT.
THE APPARATUS SHALL NOT BE EXPOSED TO WATER AND NO OBJECTS FILLED WITH LIQUID SUCH AS VASES SHALL BE PLACED ON THE APPARATUS.

CAUTION:

THE UNIT EMPLOYS A LASER SYSTEM. TO ENSURE THE PROPER USE OF THE UNIT, READ THIS MANUAL CAREFULLY AND KEEP IT FOR FUTURE REFERENCE.

IF THE UNIT REQUIRES SERVICING, CONTACT THE SELLER OR SEE "TROUBLESHOOTING".

TO PREVENT DIRECT EXPOSURE TO THE LASER RADIATION, DO NOT OPEN THE CABINET. VISIBLE LASER MAY RADIATE WHEN THE CABINET IS OPENED OR THE INTERLOCKS ARE DEFEATED. DO NOT STARE INTO THE LASER BEAMS.

CAUTION:

THE DVD VIDEO PLAYER IS A CLASS 1 LASER PRODUCT. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

AS THE LASER BEAM USED IN THIS DVD VIDEO PLAYER IS HARMFUL TO THE EYES, DO NOT ATTEMPT TO DISASSEMBLE THE CABINET.
REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

WARNING:

FCC REGULATIONS STATE THAT ANY CHANGE OR MODIFICATION TO THE EQUIPMENT, NOT EXPRESSLY APPROVED BY MAKER OR ITS AUTHORIZED PARTIES, COULD VOID USER'S AUTHORITY TO OPERATE THIS EQUIPMENT.

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

4. Follow Instructions

All operating instructions should be followed.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7. Water and Moisture

Do not use this product near water for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

8. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. Portable Cart Warning

A product and cart combination should be moved with care. Quick stop, excessive force, and uneven surface may cause the product and cart combination to overturn.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power or other sources, refer to the operating instructions.

12. Grounding or Polarization

This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power Cord Protection

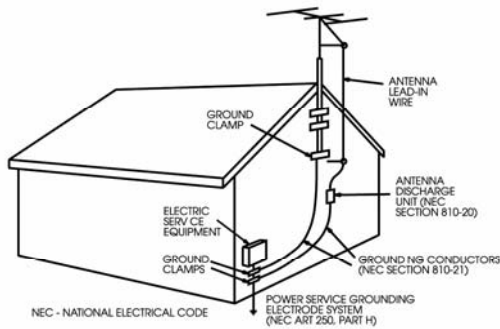
Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.



(Symbol provided by RETAC)

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure below.



15. Lightning

For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power lines surges.

16. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- A) When the power-supply cord or plug is damaged,
- B) If liquid has been spilled, or objects have fallen into the product,
- C) If the product has been exposed to rain or water,
- D) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
- E) If the product has been dropped or damaged in any way.
- F) When the product exhibits a distinct change in performance this indicates a need for service.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting

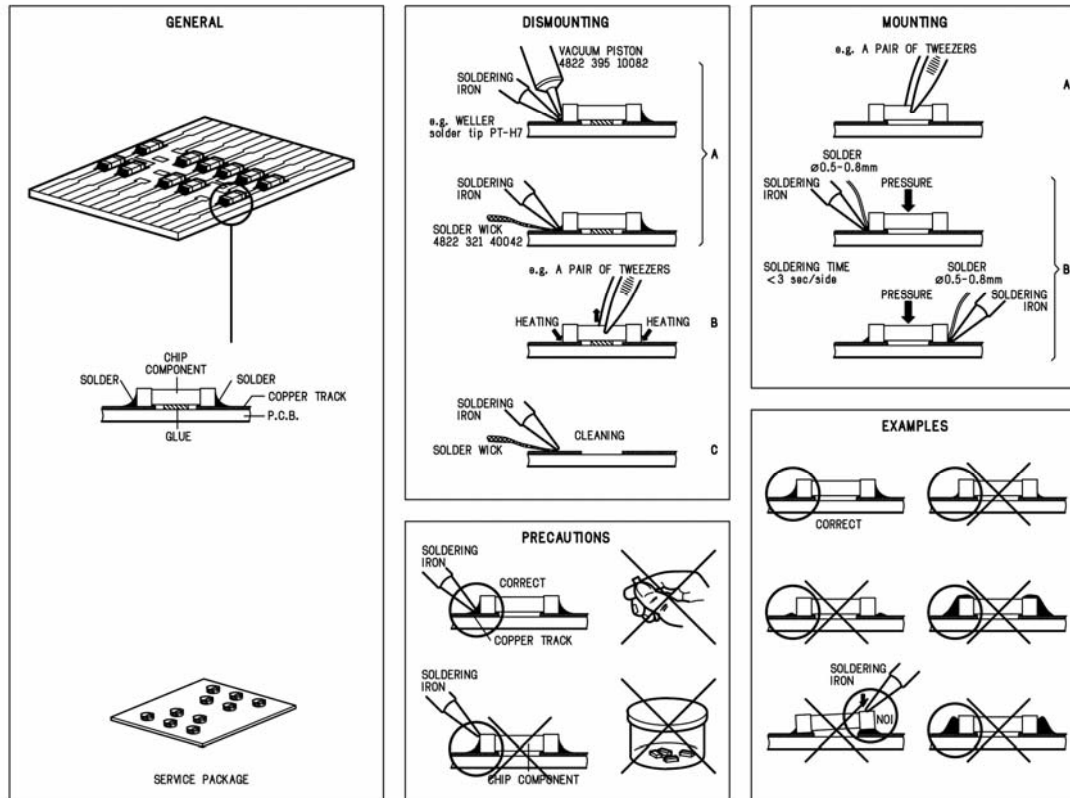
The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

24. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

SERVICE HINTS

HANDLING CHIP COMPONENTS

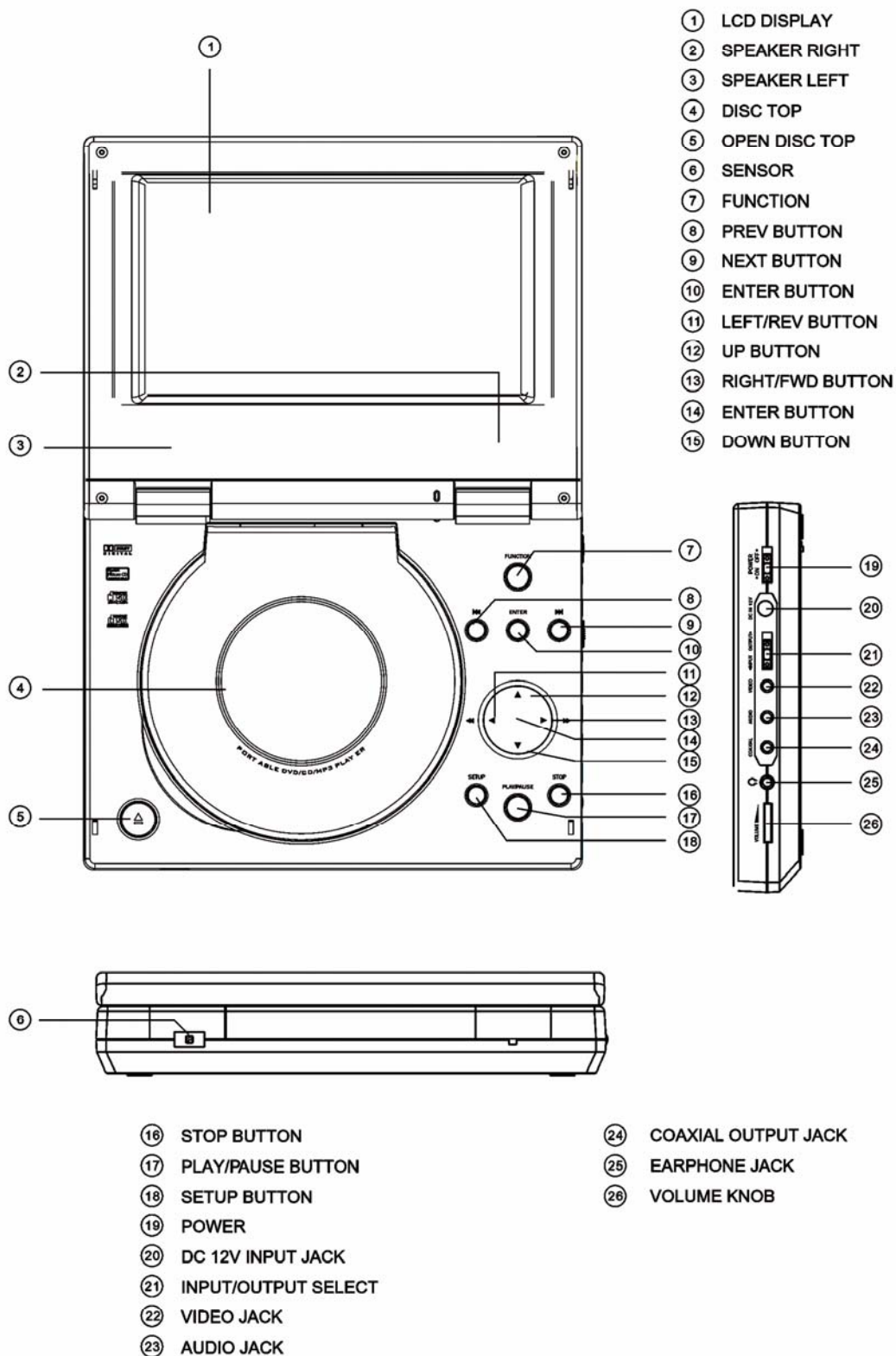


SPECIFICATIONS

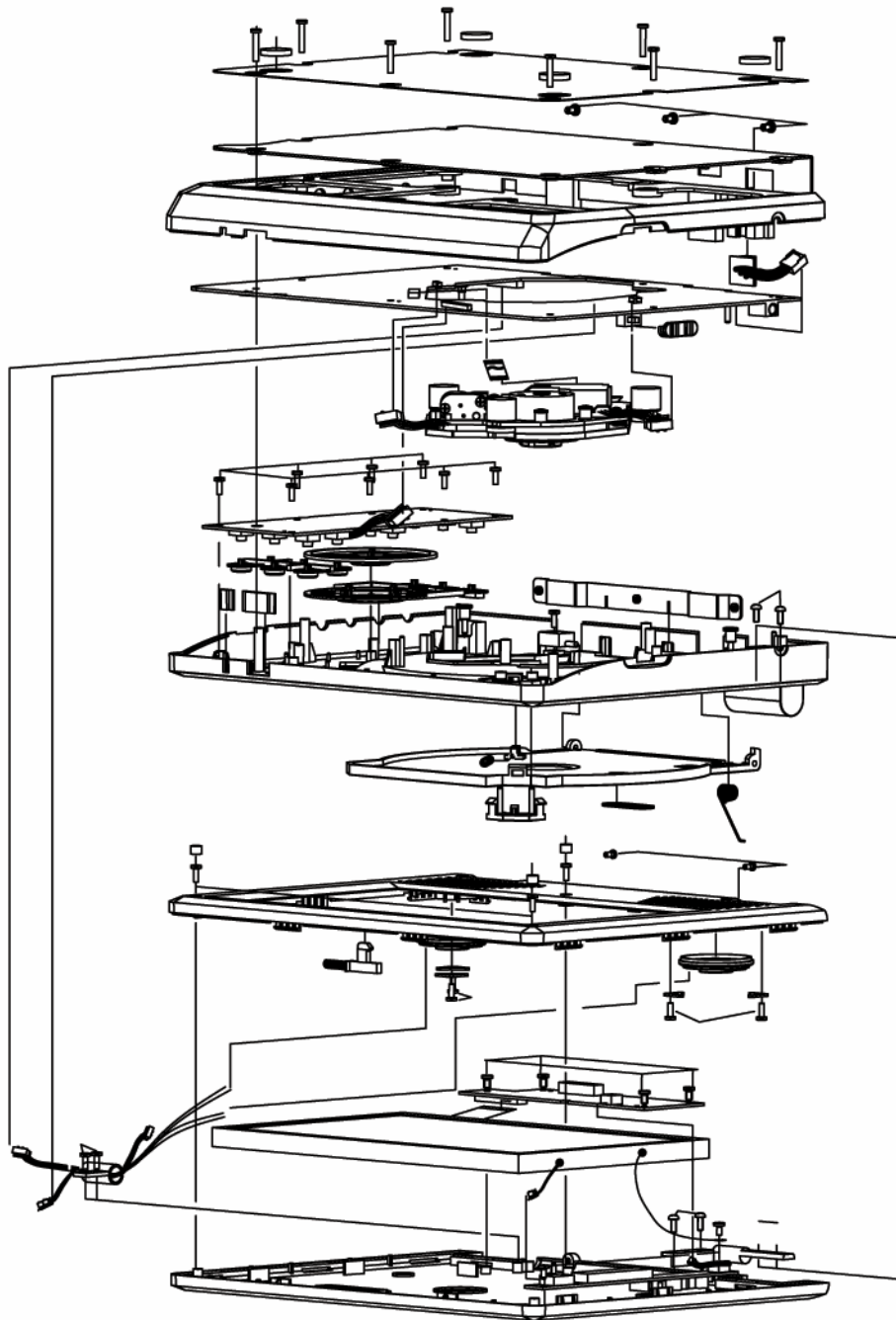
Power Requirements	AC 100-240V~, $\pm(50/60\text{Hz})$. (Adaptor)
Power Consumption	$\leq 10\text{W}$ (DC12V)
Signal System	NTSC/PAL
Weight	700g (Approx)
Disc Played	DVD, CD, MP3,CD-R, CD-RW, JPEG.
Video Section	
Video Out:	1Vp-p/ 75 ohm.
Audio Section	
Audio	Coaxial Output x 1
Frequency Response	Fs 96KHz:20Hz-20KHz: $\pm 11\text{dB}$
Video S/N Ratio	$\leq 65\text{dB}$
Total Harmonic Distortion	$< 0.01\%$
Dimensions	205mm(L) x 158mm(W) x 40mm(H)

Specification are subject to change without notice.

PANEL ILLUSTRATION



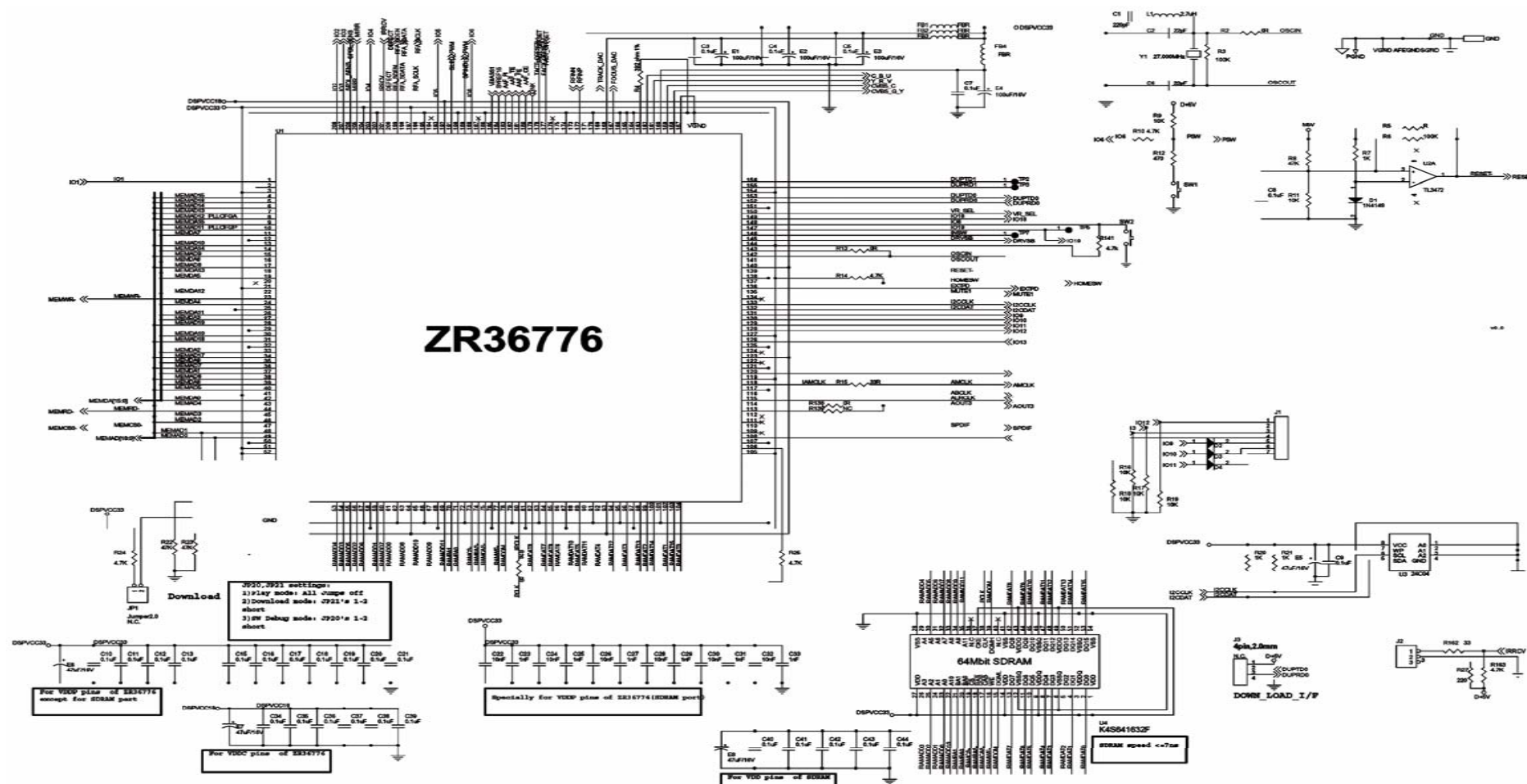
EXPLODED VIEW



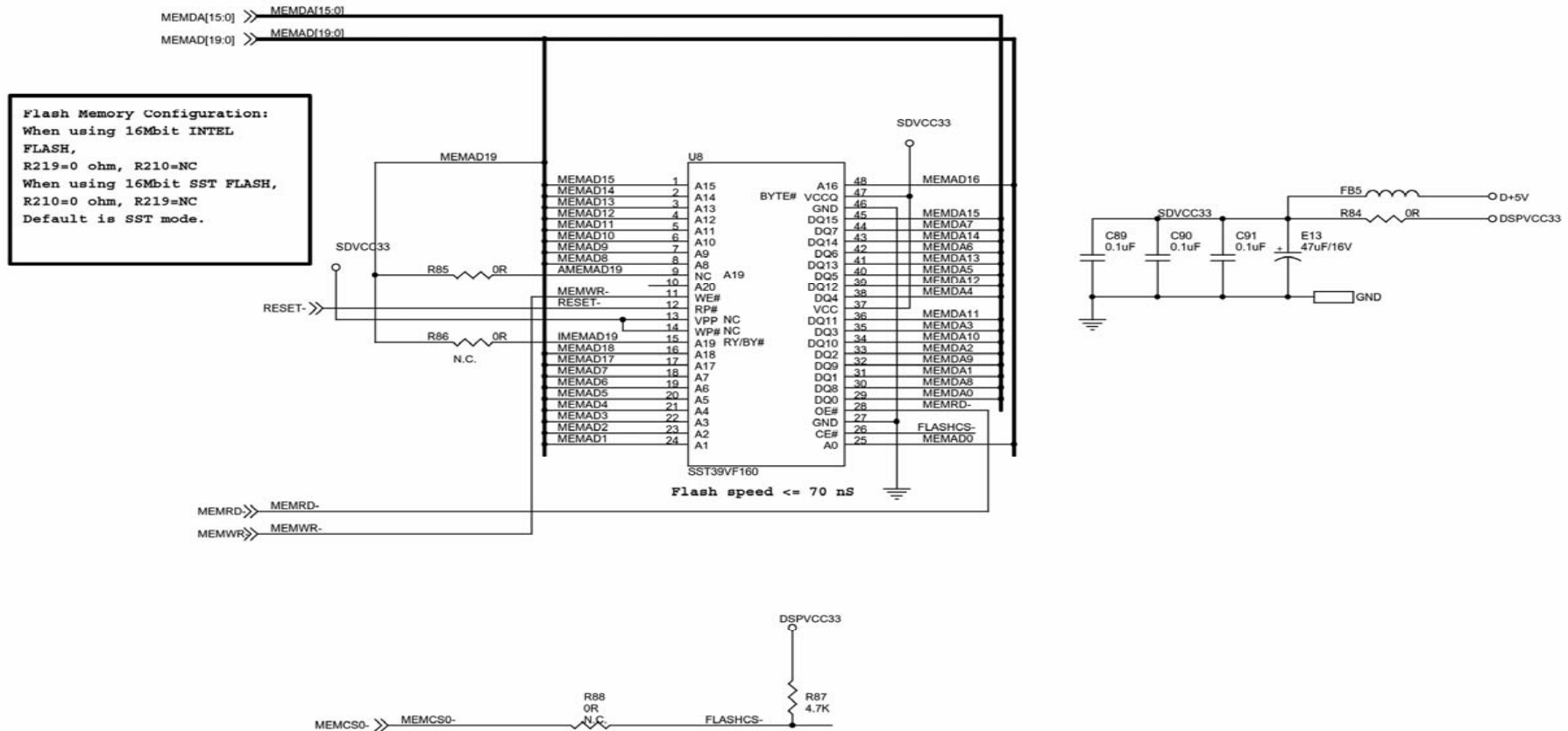
PART LIST

NO.	Material No.	Specification	Qty	Location Code
1	Film Capacitance			
	0603K	470pF	1	C55
	0603Z	0.1u F	6	C4 C5 C59 C42 C43 C45
	0603J	33pF	2	C9 C6
	0603J	220pF	1	C11
	0603J	22pF	2	C12 C13
	0603J	100pF	3	C15 C19 C23
	0603Z	1u/50V	22	C17 C21 C41 C25 C28 C31 C34 C70 C32 C33 C3
				C35 C36 C37 C38 C39 C2 C44 C47 C48 C49 C53
	0603J	82pF	3	C7 C10 C8
		10u/16v /1206	4	C1 C18 C22 C46
		10u/25v/1206	2	C60 C61
		10u/6.3V/1206	8	C14 C20 C24 C26 C40 C29 C30 C27
2	Tantalum Capacitance	47u/10V/6032	1	C16
4	Film Magneton	10R FB	5	FB1 FB11 FB13 FB14 FB15
	'0603	600R FB	12	FB2 —FB10 FB12 FB16 FB17
5	Film Inductance	8.2uH/0805	2	L1 L2
		4.7uH/0805	1	L3
		10uH/1206	2	L5 L9
		10uH/0805	3	L4 L6 L7
7	Film Resistance	150R	4	R18 R23 R17 R9
	'0603	100R	3	R26 R21 R14
	J	2.2k	2	R2 R43
	J	510R	3	R4 R3 R66
	J	3.9K	5	R7 R10 R6 R58 R51
	J	330R	3	R8 R5 R52
	J	3.3K	1	R12
	J	10K	6	R13 R22 R27 R29 R54 R1
	J	47k	3	R25 R15 R20
	J	2k	1	R40
	J	1M	4	R30 R31 R32 R11
	J	100k	3	R34 R36 R39

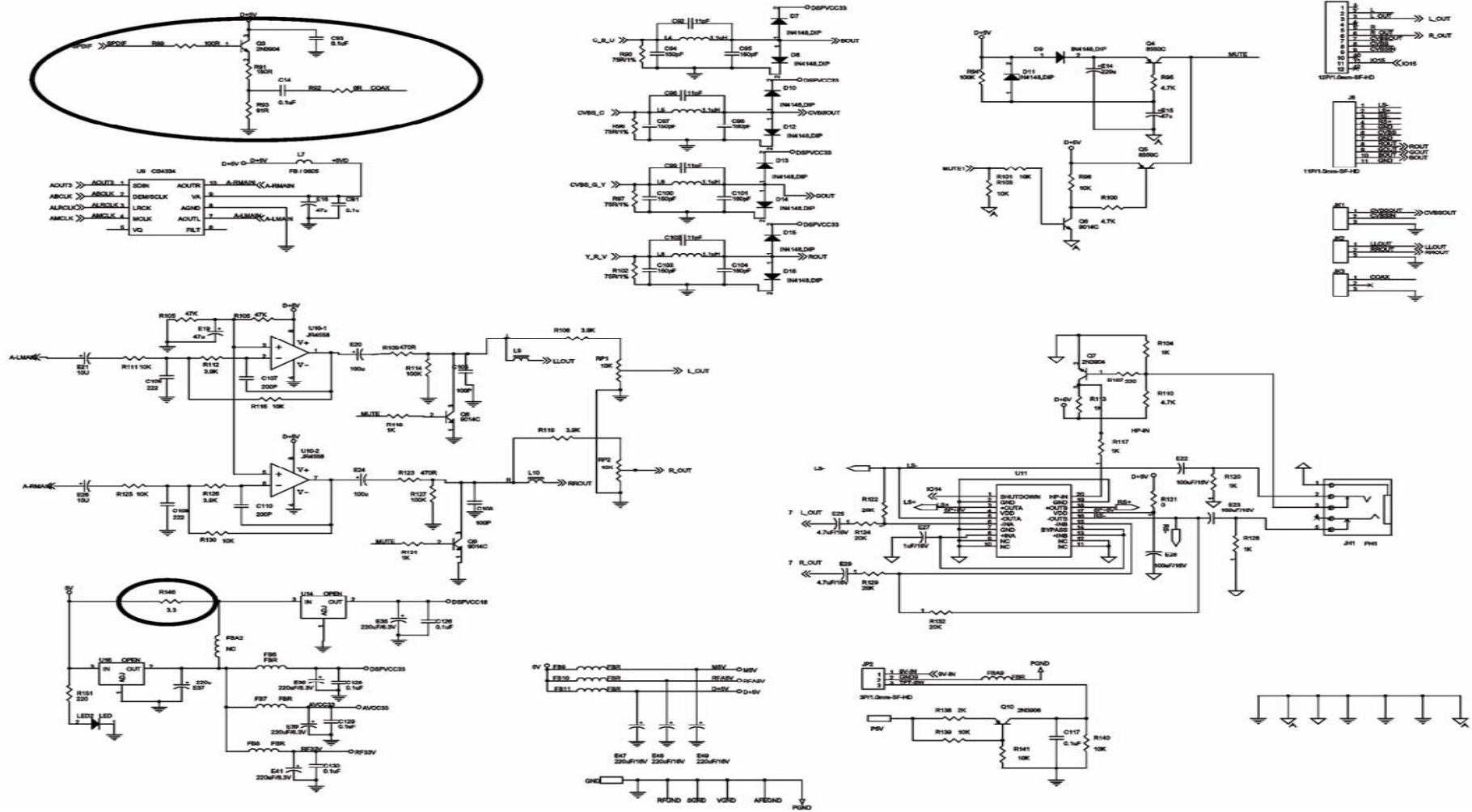
NO.	Material No.	Specification	Qty	Location Code
8	Drive Board			
	J	15K	1	R35
	J	56K	1	R37
	J	470R	4	R16 R19 R24 R55
	J	24k	1	R33
	J	10M	3	R44 R50 R53
	J	220k	1	R47
	J	51R	1	R48
	J	4.7k	3	R49 R46 R57
	J	8.2k	2	R45 R42
	J	1k	1	R41
	J	1.5k	1	R28
9	Film Potentiometer	PVZ3A104A01R00	1	Z1 (MURATA)
	IC	JRC3414	1	U2
		VX1818	1	U1 (Zhuo Ling Science and Technology)
		AMS1117-ADJUST	1	U3
10	Crystal	20M XTAL	1	Y1
11	Film Dynatron	2N3904	5	Q2 Q3 Q4 Q5 Q8
		8050C	1	Q6
		2N3906	1	Q7
11	Loudhailer		2	
12	TFT-LCD Panel	Panasonic Panel 7"	1	
13	Socket	SMD9PIN/1.25mm	1	J8
		SMD/7PIN/1.25mm	1	J9
		SMD/30PIN/0.5mm/	1	J7
		DIP/2PIN/1.25mm	2	J1 J3
14	PCB	DVD3000502-PA	1	
The data are subject to change without prior notice.				

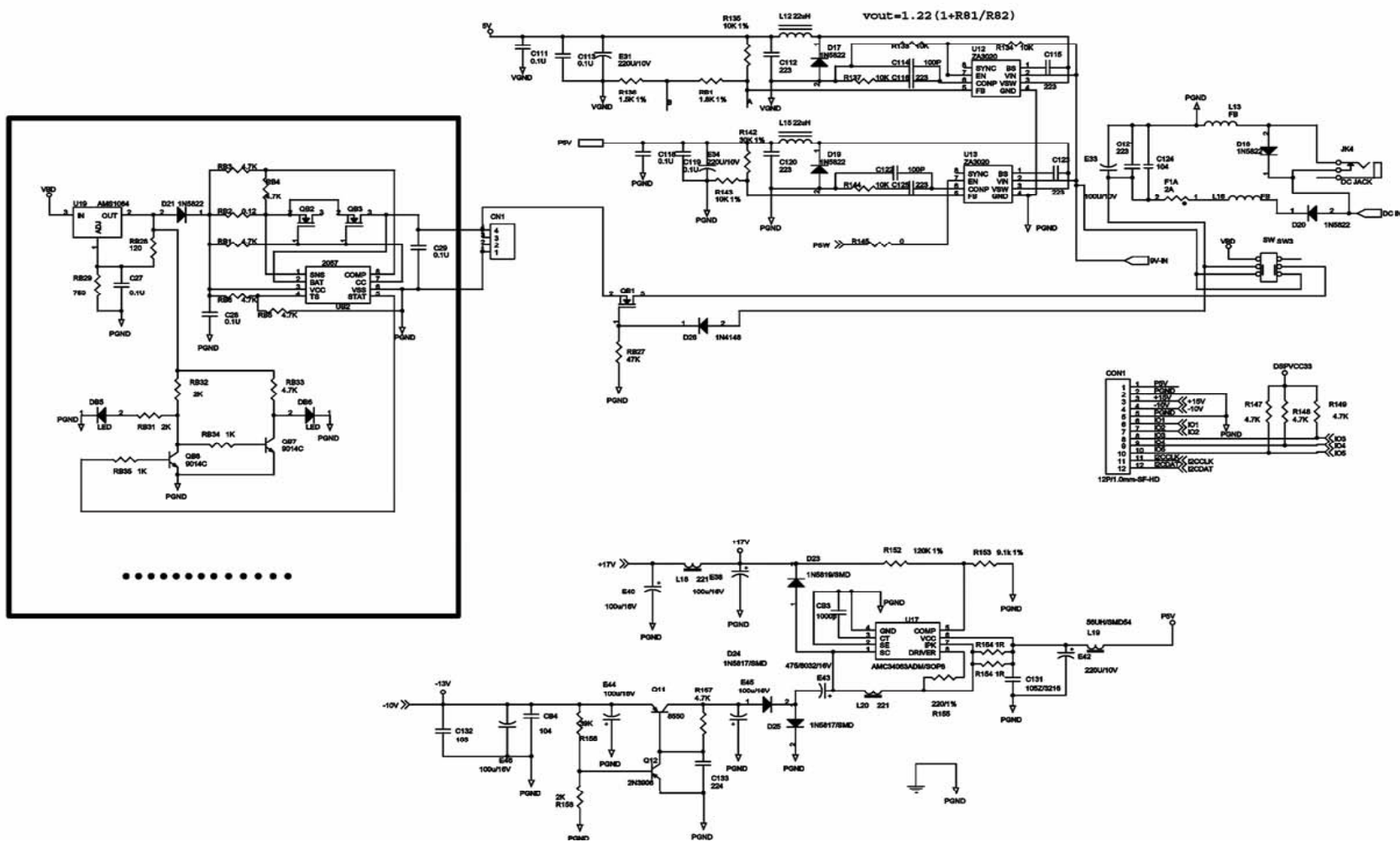


SERVE



VIDEO / AUDIO OUTPUT





TROUBLE SHOOTING

NO PICTURE OR SOUND

- Ensure the power button is on.
- Ensure the power outlet is operational.
- Ensure the power cord is not damaged.
- Ensure the power plug is connected firmly to the outlet.

PICTURE BUT NO SOUND

- Ensure the audio jacks are securely connected.
- Ensure the audio connector is not damaged.
- Ensure the volume is turned up in VOL/CH setup.
- Ensure you have set the player's AUDIO settings correctly.
- Ensure you have ENTERed the correct AV input for your TV.
- Ensure the audio is not set to mute.

SOUND BUT NO PICTURE

- Ensure the video jacks are securely connected.
- Ensure you have ENTERed the correct AV input for your TV.
- Ensure the video connector is not damaged.
- Ensure you have set the player's VIDEO settings correctly.

POOR PICTURE OR SOUND

- Ensure you have set the player's AUDIO settings correctly.
- Ensure the disc is not scratched or stained.
- Ensure the AV connector or the output terminal is not damaged.

"BAD DISC" DISPLAYED

- Ensure the disc is not warped, damaged or deformed.
- Ensure the disc is not badly stained or damaged.
- Ensure the disc format is compatible with the player.
- Please check whether you have tried to play a software CD.
If so, please restart the player.

REMOTE NOT WORKING

- Ensure the remote batteries are working.
- Point the remote control directly at the player's IR sensor.
- Remove any obstacles between the remote and the IR sensor.

UNIT NOT WORKING

- Turn off the power, and then turn it on again.

"NO DISC" DISPLAYED

- Ensure you have put the disc on the tray.
- Ensure the disc is not upside down.
- Ensure the disc is not distorted, stained or scratched.