MultiROM - Dipswitch set-up chart for the game's main board

The purpose of this chart is to find a single dipswitch setting for the Dragon's Lair / Space Ace main board that will work with all ROM versions. You *must* fill in this chart and set your switches before starting the game.

Instructions:

Use the *attached* dipswitch charts to fill in the table. (Some switches have been changed from the originals) For each revision set, fill in its row with your preferred settings.

Use pencil. Place a 1 for ON and a 0 for OFF

Look at each column and find a single setting that will work for all versions. Some compromises will be necessary. If you find a major conflict, contact me.

	A0	A1	A2	A3	A4	A5	A6	A7	B0	B1	B2	В3	B4	B5	B6	B7
Dragon's Lair - Rev. #1 & Beta																
Dragon's Lair - Rev. A, B, C, D																
Dragon's Lair - Rev. E, F2, DLE1.1																
Dragon's Lair Enhancement 2.1																
Space Ace – Rev. A, A2, A3																
Space Ace Enhancement 1.0																
Your Final Settings																

*Note: The switch banks are printed with 1-8. The circuit board is printed with 0-7. Ignore the incorrect numbers printed on the switch banks.

- * These Switch Settings are for the MultiROM card ONLY
- Keep with machine.

DRAGON'S LAIR DIP switch settings chart For the Beta ROM versions: DL Serial #1 and Beta-1:

Α.	Attract Mode Sound Always on
В.	Number of Coins Required for One Credit 2 A0=ON, A1=ON 3 A0=OFF, A1=ON 4 A0=ON, A1=OFF 5 A0=OFF, A1=OFF free play A4=OFF
C.	Number of Lives Per Credit 3 ······ A5=ON, B2=ON 5 ···· A5=OFF, B2=ON Unlimited lives for testing purposes ···· B2=OFF
D.	Playtest and Diagnostics Normal operation
E.	Game Difficulty Easy B7=OFF Hard B7=ON
F.	Pay-As-You-Go Pay-as-you-go disabled The game ends when won ······ A6=ON At the completion of the first third of the game and the second third of the game, each, the player must insert an additional two coins to continue play. Pay as you go can only be used with the 2 coins per credit setting. ····· A6=OFF
G.	Disc Player Model Selection Pioneer PR-7820 · · · · · · · · · · · · B3=ON Pioneer LD-V1000 · · · · · · · · · · · · B3=OFF

Not Used: A2, B4, B5, B6

DRAGON'S LAIR DIP switch settings chart For the ROM versions: A, B, C, & D

Α.	Attract Mode Sound Always on
В.	Number of Coins Required for One Credit 2
С.	Number of Lives Per Credit 3 A5=ON, B2=ON 5 A5=OFF, B2=ON Unlimited lives for testing purposes B2=OFF
D.	Playtest and Diagnostics Normal operation ························ A3=ON, A7=ON Playtest for engineering use ········· A3=OFF To run diagnostics, set A7 to ON, and power up the game. After you hear two beeps, turn A7 to OFF. Turn A7 back to ON to end diagnostics. ···· A7=first ON, then OFF
Ε.	Game Difficulty Easy
F.	Pay-As-You-Go Pay-as-you-go disabled The game ends when won
G.	Disc Player Model Selection Pioneer PR-7820 · · · · · · · · · · · · · · · · · · ·

DRAGON'S LAIR DIP switch settings chart For the ROM versions: E, F2 & DLE 1.1

Α.	Attract Mode Sound	_			
	Always on	BO=ON,	B1=ON	Ī	
	Always off ·····				
	Plays every 8th time	B0=OFF	, B1=C	N	
В.	Number of Coins Required for One Credit				
		AO=ON,			
	3		, A4=C	N	
	free play ·····	A4=OFF			
С.	Number of Lives Per Credit				
	3				
	5		, B2=C	N	
	Unlimited lives for testing purposes	B2=OFF			
D.	Playtest and Diagnostics				
	Normal operation		A7=C	N	
	Playtest for engineering use	A3=OF'F'			
	To run diagnostics, set A7 to ON, and power up the game. After you hear				
	two beeps, turn A7 to OFF. Turn A7				
	back to ON to end diagnostics	A7=fir	st ON,	then	OFF
Ε.	Game Difficulty				
	Easy ·····				
	Easy at the onset of every game, difficulty increases to hard when a player survives 9 consecutive scenes		A2=ON,	B4=OFF,	B7=ON
	Easy at the onset of every game, difficulty increases to hard when a player survives 5 consecutive scenes Easy at the onset of every game, difficulty increases to very hard when a player survives 9 consecutive scenes Easy at the onset of every game, difficulty increases to		A2=ON,	B4=ON,	B7=ON
			A2=ON,	B4=OFF,	B7=ON
	very hard when a player survives 5 consecutive scenes.	· A1=ON,	A2=ON,		B7=ON
	Hard Very Hard		A2=OFF, A2=OFF,		
F.	Pay-As-You-Go				
	Pay-as-you-go disabled The game ends when won Pay-as-you-go disabled. The game starts again from the	·· A6=ON,	B5=ON		
	beginning when won	·· A6=ON,	B5=OFF		
	continue playing once, after 2/3 of the game is finished. The game ends when won	·· A6=OFF,	B5=ON		
	Player must deposit 2 or 3 coins(depending on A0) to	,			
	continue playing three times during the game, and may deposit more coin(s) to continue again from the				
	beginning after the game is won	·· A6=OFF,	B5=OFF		
	per credit:				
	If the player has less than 3 Dirks, he receives one additional Dirk after depositing coins to continue the				
	game at any time during the first game. No extra Dirks are awarded after the first game is won.	·· B6=ON			
	No extra Dirks awarded	·· B6=OFF			
G.	Disc Player Model Selection				
	Pioneer PR-7820 · · · · · · · · · · · · · · · · · · ·				
	Pioneer LD-V1000 ·····	B3=OFF			

DRAGON'S LAIR DIP switch settings chart For Dragon's Lair Enhancement - DLE 2.1

Α.	Attract Mode Sound
	Always on B0=ON, B1=ON Always off B1=OFF Plays every 8th time B0=OFF, B1=ON
	Narrator voice on
В.	Number of Coins Required for One Credit 1 · · · · · · · · · · · · · · · · · ·
	3 · · · · · · · · · · · · · · · · · · ·
С.	Number of Lives Per Credit 3
D.	Playtest and Diagnostics Normal operation · · · · · · · · · · · · · · · · · · ·
E.	Pay-As-You-Go Pay-as-you-go disabled The game ends when won
	No extra Dirks awarded
F.	Disc Player Model Selection Pioneer PR-7820 B3=ON Pioneer LD-V1000 B3=OFF

Not Used: B7

SPACE ACE DIP switch settings chart For ROM versions: A, A2, A3

Α.	Attract Mode Sound Always on	B0=OFF,	
В.	Number of Coins Required for One Credit 2	A0=OFF,	A4=ON A4=ON
C.	Number of Lives Per Credit 3 · · · · · · · · · · · · · · · · · ·	A5=OFF,	
D.	Playtest and Diagnostics Normal operation Playtest for engineering use To run diagnostics, set A7 to ON, and power up the game. After you hear two beeps, turn A7 to OFF. Turn A7 back to ON to end diagnostics	A3=OFF	
Е.	Game Difficulty Level* Difficulty will increase when a player survives 3 consecutive scenes Difficulty will increase when a player survives 5 consecutive scenes Fast Difficulty increase	B4=OFF B7=ON	
F.	Skill Level Selection Normal Mode (control panel skill level buttons are enabled) · · · · · · Always SPACE ACE skill level · · · · · · Always CAPTAIN skill level · · · · · · · Always CADET skill level · · · · · · ·	B5=ON, B5=OFF,	B6=OFF B6=ON
G.	Disc Player Model Selection Pioneer PR-7820 Pioneer LD-V1000		

Not Used: A1, A2, A6

SPACE ACE Dip-switch settings chart For Space Ace Enhancement - SAE 1.0

Α.	Attract Mode Sound Always on	B0=OFF,	
В.	Number of Coins Required for One Credit 2 1 2 credits at all times/free play	A0=OFF,	A4=ON A4=ON
С.	Number of Lives Per Credit 3	A5=OFF,	
D.	Playtest and Diagnostics Normal operation Playtest for engineering use To run diagnostics, set A7 to ON, and power up the game. After you hear two beeps, turn A7 to OFF. Turn A7 back to ON to end diagnostics	A3=OFF	
E.	Game Difficulty Level* Normal: when a life is lost, gameplay resumes immediately after the point the player died. The fatal move is not replayed	B7=OFF	
	replayed	B7=ON	
F.		B5=ON, B5=ON, B5=OFF,	B6=OFF B6=ON

Not Used: A1, A2, A6, B4