

GAME	NOTES	COMBO ROM 2023-12-03	GAME SELECTION DIP SWITCH S5								CPU CLOCK JUMPERS		RAM WIDTH S6
			A20	A19	A18	A17	A16	A15	A14	A13	.5Mhz	.895Mhz	D0-D4
STERN MPU-200 **	REPLACING STERN MPU-200		DIP-1	DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	B1	S1	DIP-1 TO DIP-4
074	Ali	Stock ROM. No free play	ON	OFF	ON	ON	OFF	ON	OFF	ON	OUT	IN	ON
075	Ali	Always free play	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OUT	IN	ON
147	Ali 8.5	Custom ROM. See website for info txt	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OUT	IN	ON
076	Big Game	Stock ROM. No free play	ON	OFF	ON	ON	OFF	OFF	ON	ON	OUT	IN	ON
077	Big Game	Always free play	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OUT	IN	ON
134	Big Game V8	Custom ROM. See website for info txt	OFF	ON	ON	ON	ON	OFF	OFF	ON	OUT	IN	ON
078	Catacomb	Stock ROM. No free play	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OUT	IN	ON
079	Catacomb	Always free play	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OUT	IN	ON
080	Cheetah	Stock ROM. No free play	ON	OFF	ON	OFF	ON	ON	ON	ON	OUT	IN	ON
081	Cheetah	Stock ROM. B16 version. No free play	ON	OFF	ON	OFF	ON	ON	ON	OFF	OUT	IN	ON
082	Cheetah	Always free play	ON	OFF	ON	OFF	ON	ON	OFF	ON	OUT	IN	ON
083	Cheetah Home	Only one collect bonus per ball.	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OUT	IN	ON
084	Dragonfist	Stock ROM. No free play	ON	OFF	ON	OFF	ON	OFF	ON	ON	OUT	IN	ON
085	Dragonfist	Always free play	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OUT	IN	ON
086	Dragonfist Home v1106	Bonus X bug fix. DIP 19 ON = Free play	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OUT	IN	ON
141	Dragonfist Home VB15	Custom ROM. See website for info txt	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OUT	IN	ON
087	Flight 2000	Stock ROM. No free play	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OUT	IN	ON
088	Flight 2000	Always free play	ON	OFF	ON	OFF	OFF	ON	ON	ON	OUT	IN	ON
132	Flight 2000 V3347	Custom ROM *** WARNING *** READ INFO FIRST. See website for info	OFF	ON	ON	ON	ON	OFF	ON	ON	OUT	IN	ON
089	Freefall	Stock ROM. No free play	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OUT	IN	ON
090	Freefall	Always free play	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OUT	IN	ON
091	Galaxy	Stock ROM. No free play	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OUT	IN	ON
092	Galaxy	Always free play	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OUT	IN	ON
148	Galaxy V008	Custom ROM. See website for info txt	OFF	ON	ON	OFF	ON	OFF	ON	ON	OUT	IN	ON
093	Iron Maiden	Stock ROM. No free play	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OUT	IN	ON
094	Iron Maiden	Always free play	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OUT	IN	ON
095	Lightning	Stock ROM. No free play	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OUT	IN	ON
096	Lightning	Always free play	ON	OFF	OFF	ON	ON	ON	ON	ON	OUT	IN	ON
139	Lightning V22	Custom ROM. See website for info txt	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OUT	IN	ON
097	Meteor	Stock ROM. No free play. Factory Bonus X underflow to 256X bug fix	ON	OFF	OFF	ON	ON	ON	ON	OFF	OUT	IN	ON
098	Meteor 7 Digit	V24 7 Digit Displays	ON	OFF	OFF	ON	ON	ON	OFF	ON	OUT	IN	ON
099	Meteor Divide by 10	Scoring divided by ten. No free play	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OUT	IN	ON
100	Meteor Free	Always free play	ON	OFF	OFF	ON	ON	OFF	ON	ON	OUT	IN	ON
135	Meteor V66	Custom ROM. See website for info txt	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OUT	IN	ON
137	Meteor V77	Custom ROM. See website for info txt	OFF	ON	ON	ON	OFF	ON	ON	OFF	OUT	IN	ON
101	Nine Ball	Stock ROM. No free play	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OUT	IN	ON
102	Nine Ball	Always free play	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OUT	IN	ON
138	Nine Ball V21	Custom ROM. See website for info txt	OFF	ON	ON	ON	OFF	ON	OFF	ON	OUT	IN	ON
103	Orbitor One	Stock Rom. No free play	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OUT	IN	ON
104	Orbitor One	Always free play	ON	OFF	OFF	ON	OFF	ON	ON	ON	OUT	IN	ON
105	Orbitor One	No minimum game time. Always free play	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OUT	IN	ON
106	Quicksilver	Stock Rom. No free play	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OUT	IN	ON
107	Quicksilver	Always free play	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OUT	IN	ON
136	Quicksilver V7	Custom ROM. See website for info txt	OFF	ON	ON	ON	OFF	ON	ON	ON	OUT	IN	ON
108	Seawitch	Stock Rom. No free play	ON	OFF	OFF	ON	OFF	OFF	ON	ON	OUT	IN	ON
109	Seawitch	Always free play	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OUT	IN	ON
140	Seawitch V9	Custom ROM. See website for info txt	OFF	ON	ON	ON	OFF	OFF	ON	ON	OUT	IN	ON
110	Split Second	Stock Rom. No free play	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OUT	IN	ON
111	Split Second	Always free play	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OUT	IN	ON
112	Star Gazer	Stock Rom. No free play	ON	OFF	OFF	OFF	ON	ON	ON	ON	OUT	IN	ON
113	Star Gazer	Always free play	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OUT	IN	ON
114	Star Gazer Home R9	Home ROM by Oliver O.	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OUT	IN	ON
129	Star Gazer Seymour Home V6	Cntr drops for bot roll overs. L/R banks for spinner 10x. Bonus X halved	OFF	ON	ON	ON	ON	ON	ON	OFF	OUT	IN	ON
115	Viper	Stock Rom. No free play	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OUT	IN	ON
116	Viper	Always free play	ON	OFF	OFF	OFF	ON	OFF	ON	ON	OUT	IN	ON
	Bally Video and Special	REPLACING AS-2518-133 and Conversion Kits	DIP-1	DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	B1	S1	DIP-1 TO DIP-4
117	Baby Pacman	No free play.	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	IN	OUT	OFF
118	Granny and the Gators	No free play.	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	IN	OUT	OFF
119	Grand Slam 2 Player	DIP 25 & 26 ON for free play	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	IN	OUT	OFF
120	Grand Slam 4 Player	DIP 25 & 26 ON for free play	ON	OFF	OFF	OFF	OFF	ON	ON	ON	IN	OUT	OFF
121	Goldball	No free play.	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	IN	OUT	OFF
122	Goldball Home	Home ROM by Oliver O.	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	IN	OUT	OFF
123	Mystic Star	No free play	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	IN	OUT	OFF
124	World Defender	No free play	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	IN	OUT	OFF
125	Super Bowl	No free play	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	IN	OUT	OFF
126	Super Bowl	Custom Free play ROM by Quench	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	IN	OUT	OFF
127	Saturn 2	DIP20 = BG Music control	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	IN	OUT	OFF
128	Midnight Mauraders		OFF	ON	ON	ON	ON	ON	ON	ON	IN	OUT	OFF
130	Rapid Fire		OFF	ON	ON	ON	ON	ON	OFF	ON	IN	OUT	OFF
131	Black Beauty	Stern Shuffle Board	OFF	ON	ON	ON	ON	ON	OFF	OFF	IN	OUT	OFF
133	Monroe Bowl	Monroe Ball Bowler	OFF	ON	ON	ON	ON	OFF	ON	OFF	IN	OUT	OFF
254	MEMORY CLEAR **	When the LED begins to blink the memory will be cleared.	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	EITHER B1 OR S1 IN		ON

NOTES:

RAM width is set by DIP switch all OFF / ON . MPU200 = ON. MPU-100, -17, -35, -133 = OFF

B1 and S1 jumpers set the CPU clock speed. B IN for 0.5MHz (Bally -17, -35, -133 and Stern MPU-100). S IN for 0.895MHz (Stern MPU-200)

Jumper shunt U2 Enable is removed when the U1 expanded ROM socket is used.

Clear audits with the Test and NMI Audit Clear buttons after switching games.

Starting in Revision 14 the game select dip switch is orientated so UP is on and DOWN is off.

**** If you experience wrong sounds in a Stern Meteor use the Stern Meteor use the MEMORY CLEAR software (DEC # 254). Power up and when the LED begins to blink the memory has been cleared.**

***** DIP 21 Must be off when using original six digit displays in a game that supports seven digit displays.**

<http://nvram.weebly.com/mpu.html>