## SWITCHED I/O PORTS ( \$40 - \$4F ) $\,$ / $\,$ Revision 002 $\,$ / $\,$ by KdL 2011.05.19

\$40	( read_n / write )		\$08 \$D4	MSX2+ FS-A1 SERIES* 1CHIPMSX	w/ Z80B 5.37MHz w/ OCM-PLD Pack v2.4		SMART COMMANDS TABLE			
		BIT	0		W/ OCIVI-FED Fack V2.4	-	\$00	( 000 )	Null Command (reserved)	
\$41	( read_n / write )	BIT	1		Get \$FF if Not Found		\$01	( /	Set Turbo Pana Redirection OFF (default)	
			BIT 2 BIT 3 BIT 4	Smart Commands			\$02 \$03	1 7	Set Turbo Pana Redirection ON Set Standard Speed 3.58MHz	
							\$04	( )	Set Custom Speed 4.10MHz	
			5				\$05	. ,	Set Custom Speed 4.48MHz	
		BIT	6 7				\$06 \$07		Set Custom Speed 4.90MHz Set Custom Speed 5.39MHz	
	( read / write_n )	BIT	0	Green Turbo	Virtual DIP-SW1		\$08		Set Custom Speed 6.10MHz	
		BIT	1	Display (MSB)	Virtual DIP-SW2		\$09	(009)	Set Custom Speed 6.96MHz	
		BIT	2	Display (LSB) Slot-1	Virtual DIP-SW3 Virtual DIP-SW4		\$0A \$0B		Set Custom Speed 8.06MHz (default) (originally called 10MHz) Set Turbo MegaSD OFF	
\$42		BIT	4	Slot-2 (MSB)	Virtual DIP-SW5		\$0C	, ,	Set Turbo MegaSD ON (default)	
		BIT	5	Slot-2 (LSB)	Virtual DIP-SW6		\$0D	. ,	Set External Slot-1 + External Slot-2	
		BIT		Current Mapper Current MegaSD	Virtual DIP-SW7 Virtual DIP-SW8		\$0E \$0F	. ,	Set Internal SCC-I Slot-1 + External Slot-2 Set External Slot-1 + Internal SCC-I Slot-2	
	( read / write_n )	BIT			Turbo		\$10		Set Internal SCC-I Slot-1 + Internal SCC-I Slot-2	
		BIT	1	Lock Mask of Toggles**	Display		\$11	,	Set External Slot-1 + Internal ASCII-8K Slot-2	
		BIT	2		Audio Mixer & CMT		\$12		Set Internal SCC-I Slot-1 + Internal ASCII-8K Slot-2 Set External Slot-1 + Internal ASCII-16K Slot-2	
\$43		BIT	3		Slot-1 Slot-2		\$13 \$14	( /	Set Internal SCC-I Slot-1 + Internal ASCII-16K Slot-2	
		BIT	5		Hard Reset		\$15	(021)	Set Japanese Keyboard Layout	
		BIT			Mapper MegaSD		\$16 \$17	· /	Set Non-Japanese Keyboard Layout Set Display Mode to 15KHz Composite / S-Video	
	( read / write_n )	BIT	BIT 7	Lights Mode I/O	Green Led 1		\$18	( )	Set Display Mode to 15kHz RGB w/ Audio (Mono)	
		BIT			Green Led 2		\$19	,	Set Display Mode to 13kHz kGB wy Addio (Molio)  Set Display Mode to 31kHz VGA	
\$44		BIT	2		Green Led 3		\$1A	( 026 )	Set Display Mode to 31Khz VGA w/ High Luminance	
		BIT	3		Green Led 4 Green Led 5		\$1B \$1C		Set VDP Speed to Normal Mode (default) Set VDP Speed to Fast Mode	
		BIT	5		Green Led 6		\$1D	( 029 )	Preset MegaSD OFF for next Warm Reset	
		BIT			Green Led 7		\$1E	. ,	Preset MegaSD ON for next Warm Reset	
		BIT			Green Led 8		\$1F		Set MegaSD Blink OFF	
	( read / write_n )	BIT	0	PSG Volume	BIT 0 (LSB) BIT 1		\$20 \$21	,	Set MegaSD Blink ON (default) Set Lights Mode OFF w/ Auto LEDs Control (default)	
		BIT	2		BIT 2 (MSB)		\$22	( 034 )	Set Lights Mode ON + Red Led OFF	
\$45	( read only )	BIT	3	PSG Mute	Status BIT ( (ISB)		\$23	. ,	Set Lights Mode ON + Red Led ON Set Audio Mute on PSG-SCC-Land OPLI	
	( read / write_n )	BIT BIT	4 5	Master Volume	BIT 0 (LSB) BIT 1		\$24 \$25	. ,	Set Audio Mute on PSG, SCC-I and OPLL Set Original Audio Settings on PSG, SCC-I and OPLL	
		BIT	6		BIT 2 (MSB)		\$26	( 038 )	Set Audio at Max Volume on PSG, SCC-I and OPLL (default)	
	( read only )	BIT		Master Mute	Status		\$27		Set CMT OFF (default)	
	( read / write_n )	BIT BIT		OPLL Volume	BIT 0 (LSB) BIT 1		\$28 \$29	,	Set CMT ON Lock Turbo Toggles	
	()	BIT	2	2. 22 TOIGING	BIT 2 (MSB)		\$2A	( 042 )	Unlock Turbo Toggles	
\$46	( read only )	BIT		OPLL Mute	Status		\$2B		Lock Display Toggles	
	( read / write_n )	BIT	4 5	SCC-I Volume	BIT 0 (LSB) BIT 1		\$2C \$2D	. ,	Unlock Display Toggles Lock Audio Mixer & CMT Toggles	
		BIT	6		BIT 2 (MSB)		\$2E	( 046 )	Unlock Audio Mixer & CMT Toggles	
	( read only )	BIT		SCC-I Mute	Status		\$2F		Lock Slot-1 Toggles	
	( read only )	BIT		CPU Custom Speed	BIT 0 (LSB) BIT 1		\$30 \$31		Unlock Slot-1 Toggles Lock Slot-2 Toggles	
\$47		BIT	2	o. o custom speed	BIT 2 (MSB)		\$32	, ,	Unlock Slot-2 Toggles	
		BIT	3	Turbo MegaSD (tMSD)	Status		\$33	. ,	Lock Slot-1 & Slot-2 Toggles	
		BIT	4 5	Turbo Pana Redirection (tPR)  VDP Speed Mode	Status Status		\$34 \$35		Unlock Slot-1 & Slot-2 Toggles Lock Hard Reset Key	
		BIT	6	Next Mapper	Status		\$36	(054)	Unlock Hard Reset Key	
		BIT		Next MegaSD	Status		\$37	, , ,	Lock Mapper Toggle	
		BIT		Red Turbo (tPANA)*  Keyboard Layout	Status Status		\$38	(056)	Unlock Mapper Toggle	
		BIT							Lock MegaSD Toggle	
\$48	( read only )	BIT		CMT	Status		\$39 \$3A	(057)	Lock MegaSD Toggle Unlock MegaSD Toggle	
	( read only )	BIT BIT	2	Lights Mode	0=Auto, 1=ON		\$3A \$3B	( 057 ) ( 058 ) ( 059 )	Unlock MegaSD Toggle Lock All Toggles	
	( read only )	BIT	2 3 4	Lights Mode Red Mode			\$3A	( 057 ) ( 058 ) ( 059 )	Unlock MegaSD Toggle	
	( read only )	BIT BIT BIT BIT BIT	2 3 4 5 6	Lights Mode Red Mode Last Reset Flag Reset Required Flag	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status		\$3A \$3B \$3C	( 057 ) ( 058 ) ( 059 ) ( 060 )	Unlock MegaSD Toggle Lock All Toggles	
	( read only )	BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7	Lights Mode Red Mode Last Reset Flag	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm		\$3A \$3B \$3C  	( 057 ) ( 058 ) ( 059 ) ( 060 )  	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default)	
	( read only )	BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7	Lights Mode Red Mode Last Reset Flag Reset Required Flag	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status		\$3A \$3B \$3C   \$80	( 057 ) ( 058 ) ( 059 ) ( 060 )   	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Will Command (useful for programming)	
	( read only )	BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status	ŀ	\$3A \$3B \$3C  	(057) (058) (059) (060)   (128)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default)	
\$49 - \$4D	( read only )	BIT BIT BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7 0 1 2 3	Lights Mode Red Mode Last Reset Flag Reset Required Flag	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status	ŀ	\$3A \$3B \$3C   \$80  \$D3	(057) (058) (059) (060)   (128)  (211)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Will Command (useful for programming) Restore Keyboard to Default Layout	
\$49 - \$4D		BIT BIT BIT BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7 0 1 2 3 4	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status	ŀ	\$3A \$3B \$3C   \$80  \$D3 \$D4	(057) (058) (059) (060)   (128)  (211) (212)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved)	
\$49 - \$4D		BIT BIT BIT BIT BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7 0 1 2 3 4 5 6	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status	ŀ	\$3A \$3B \$3C   \$80  \$D3	(057) (058) (059) (060)   (128)  (211) (212) (213)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Will Command (useful for programming) Restore Keyboard to Default Layout	
\$49 - \$4D		BIT BIT BIT BIT BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status	ŀ	\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5	(057) (058) (059) (060)  (128)  (211) (212) (213) 	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting	
\$49 - \$4D		BIT BIT BIT BIT BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status \$FF (Null)  Hard DIP-SW1	ŀ	\$3A \$3B \$3C    \$80   \$D3 \$D4 \$D5 	(057) (058) (059) (060)   (128)  (211) (212) (213) 	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting	
\$49 - \$4D		BIT BIT BIT BIT BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB)	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status \$FF (Null)	ŀ	\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5 	(057) (058) (059) (060)   (128)  (211) (212) (213) 	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting	
\$49 - \$4D \$48	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  \$FF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4	ŀ	\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5  	(057) (058) (059) (060)   (128)  (211) (212) (213)   (250) (251)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset)	
		BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 7 0 1 2 3 4 5 6 7	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB)	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  \$FF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW2 Hard DIP-SW4 Hard DIP-SW4 Hard DIP-SW4 Hard DIP-SW5	ŀ	\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5   \$FA \$FB	(057) (058) (059) (060)   (128)  (211) (212) (213)   (250) (251) (252)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB	
	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  \$FF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5  	(057) (058) (059) (060)  (128)  (211) (212) (213)   (250) (251) (252) (253) (254)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset Warm Reset w/ Mapper 4096KB	
	( read only )	BIT BIT BIT BIT BIT BIT BIT BIT BIT BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 6 7 7	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB)	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  \$FF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW5 Hard DIP-SW5 Hard DIP-SW6		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5    \$FA \$FB \$FC \$FD	(057) (058) (059) (060)  (128)  (211) (212) (213)   (250) (251) (252) (253) (254)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset	
	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (LSB) Mapper	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW4 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB)		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5   \$FA \$FB \$FC \$FC \$FD \$FE	(057) (058) (059) (060)   (128)  (211) (212) (213)   (250) (251) (252) (253) (254)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset Warm Reset w/ Mapper 4096KB	
	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 1 2 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (LSB) Mapper	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW7 Hard DIP-SW7 Hard DIP-SW8		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5   \$FA \$FB \$FC \$FC \$FD \$FE	(057) (058) (059) (060)   (128)  (211) (212) (213)   (250) (251) (252) (253) (254)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default  0 = OFF Positive Logic	
\$4E	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 7 0 1 2 3 4 5 6 7 7	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (LSB) Mapper	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW4 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5    \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060)   (128)  (211) (212) (213)   (250) (251) (252) (253) (254) (255)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default 0 = OFF	
	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 1 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 2 BIT 3 BIT 4		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5   \$FA \$FB \$FC \$FC \$FD \$FE	(057) (058) (059) (060)   (128)  (211) (212) (213)   (250) (251) (252) (253) (254) (255)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default  0 = OFF Positive Logic	
\$4E	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 1 2 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW4 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5     \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060)   (128)  (211) (212) (213)  (250) (251) (252) (253) (254) (255) (read/write)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default  0 = OFF Positive Logic 1 = ON Negative Logic	
\$4E	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 3 4 5 6 7 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3 BIT 3 BIT 4 BIT 5		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5     \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060)   (128)  (211) (212) (213)  (250) (251) (252) (253) (254) (255) (read/write)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default 0 = OFF Positive Logic 1 = ON	
\$4E	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 3 4 5 6 7 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD  Revision Number	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  Status  \$FF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3 BIT 4 BIT 5 BIT 6 (MSB)		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5     \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060) (128) (211) (212) (213) (250) (251) (252) (253) (254) (255)  (read/write_n)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default  0 = OFF Positive Logic 1 = ON Negative Logic 1 = OFF [F12] [SHIFT+PGUP/PGDOWN] [DIP-SW1]	
\$4E	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 3 4 5 6 7 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD  Revision Number	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  Status  \$FF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3 BIT 4 BIT 5 BIT 6 (MSB)		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5     \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060)   (128)  (211) (212) (213)  (250) (251) (252) (253) (254) (255) (read/write)	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default  0 = OFF Positive Logic 1 = ON  0 = ON Negative Logic 1 = OFF [F12] [SHIFT+PGUP/PGDOWN] [DIP-SW1] [PRNSCR] [SHIFT+PRNSCR] [DIP-SW2] [DIP-SW3]	
\$4E \$4F	( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 3 4 5 6 6 7 0 0 1 2 3 4 5 6 6 7 7 0 7 0 7 0 0 1 0 1 0 1 2 3 4 5 6 7 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD  Revision Number	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  Status  \$FF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3 BIT 4 BIT 5 BIT 6 (MSB) Default Status		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5    \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060) (128) (121) (211) (212) (213) (250) (251) (252) (253) (254) (255)  (read/write)  Turbo Display Audio Mixer & CM Slot-1	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles Unlock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default 0 = OFF Positive Logic 1 = ON 0 = ON Negative Logic 1 = OFF [F12] [SHIFT+PGUP/PGDOWN] [DIP-SW1] [PRNSCR] [SHIFT+PRNSCR] [DIP-SW2] [DIP-SW3] T [F9/F10/F11] [SHIFT+PF10/F11] [PGUP/PGDOWN] [SCRLCK] [SHIFT+F12] [DIP-SW4]	
\$4E	( read only )  ( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 3 4 5 6 6 7 0 0 1 2 3 4 5 6 6 7 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD  Revision Number	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3 BIT 4 BIT 5 BIT 6 (MSB) Default Status		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5     \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060) (128) (211) (212) (213) (250) (251) (252) (253) (254) (255)  (read/write)  (read_n/write_n)  Turbo Display Audio Mixer & CM Slot-1 Slot-2	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default  0 = OFF Positive Logic 1 = ON  1 = OFF  [F12] [SHIFT+PGUP/PGDOWN] [DIP-SW1] [PRNSCR] [SHIFT+PRNSCR] [DIP-SW2] [DIP-SW3] T [F9/F10/F11] [SHIFT+P9/F10/F11] [PGUP/PGDOWN] [SCRLCK] [SHIFT+SCRLCK] [DIP-SW4] [SHIFT+SCRLCK] [DIP-SW5] [DIP-SW6]	
\$4E \$4F	( read only )  ( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 3 4 5 6 6 7 0 0 1 2 3 4 5 6 6 7 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD  Revision Number  Keyboard Layout	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3 BIT 4 BIT 5 BIT 6 (MSB) Default Status		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5    \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060) (128) (211) (212) (213) (250) (251) (252) (253) (254) (255)  (read/write)  Turbo Display Audio Mixer & CM Slot-1 Slot-2 Hard Reset	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default)	
\$4E \$4F	( read only )  ( read only )	BIT	2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 0 0 1 2 3 4 5 6 6 7 0 0 1 2 3 4 5 6 6 7 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Lights Mode Red Mode Last Reset Flag Reset Required Flag MegaSD Blink  Free  Green Turbo Display (MSB) Display (LSB) Slot-1 Slot-2 (MSB) Slot-2 (LSB) Mapper MegaSD  Revision Number  Keyboard Layout	0=Auto, 1=ON Red LED Status 0=Cold, 1=Warm Status Status  SFF (Null)  Hard DIP-SW1 Hard DIP-SW2 Hard DIP-SW3 Hard DIP-SW4 Hard DIP-SW5 Hard DIP-SW6 Hard DIP-SW6 Hard DIP-SW7 Hard DIP-SW8 BIT 0 (LSB) BIT 1 BIT 2 BIT 3 BIT 4 BIT 5 BIT 6 (MSB) Default Status		\$3A \$3B \$3C   \$80  \$D3 \$D4 \$D5    \$FA \$FB \$FC \$FD \$FF	(057) (058) (059) (060) (128) (211) (212) (213) (250) (251) (252) (253) (254) (255)  (read/write)  (read_n/write_n)  Turbo Display Audio Mixer & CM Slot-1 Slot-2	Unlock MegaSD Toggle Lock All Toggles Unlock All Toggles (default) Null Command (useful for programming) Restore Keyboard to Default Layout Null Command (reserved) Restore Turbo to Default Setting Restore Last Reset Flag to Cold Reset Status Cold Reset (= Hard Reset) Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 2048KB Warm Reset w/ Mapper 4096KB Restore all Default Settings + Preset Mapper & MegaSD to Default  0 = OFF Positive Logic 1 = ON Negative Logic 1 = OFF  [F12] [SHIFT+PGUP/PGDOWN] [DIP-SW1] [PRNSCR] [SHIFT+PRNSCR] [DIP-SW2] [DIP-SW3] T [F9/F10/F11] [SHIFT+P9/F10/F11] [PGUP/PGDOWN] [SCRLCK] [SHIFT+SCRLCK] [DIP-SW4] [SHIFT+SCRLCK] [DIP-SW5] [DIP-SW6]	