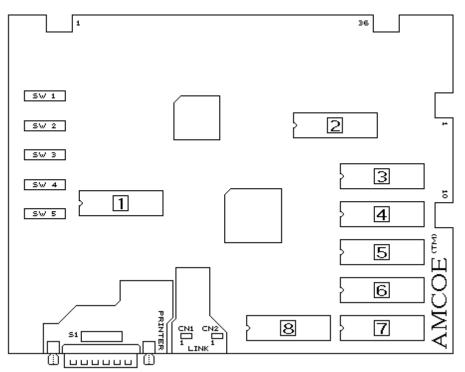
ANIMAL BONUS[™] ©2003 AMCOE INC.

PIN PARTS SIDE SOLDER SIDE PIN 1 VIDEO RED VIDEO GREEN 1 2 VIDEO BLUE VIDEO SIVIC 2 3 SPEAKER + SPEAKER - 3 4		ANIMAL DONOS	©2003 AMCOL INC.	
2 VIDEO BLUE VIDEO SYNC 2 3 SPEAKER + SPEAKER - 3 4	PIN	PARTS SIDE	SOLDER SIDE	PIN
3 SPEAKER + SPEAKER - 3 4 - - 4 5 - - 6 7 TICKET OUT BUTTON - panel 7 7 8 TICKET NOTCH - dispenser 9 9 9 START / TAKE 9 9 10 PLAY 11 11 11 STOP 3 / TAKE 12 13 12 STOP 1 13 14 14 15 ALL STOP 16 17 17 16 ALL STOP 16 17 17 17 COIN IN NOTE IN 18 19 26 ACCOUNT / PRINTER SET UP CONFIRM / MONITOR SET UP 20 1 HOPPER PAYOUT - panel CLEAR / PRINTER PRINT - panel 21 22 COIN IN METER 24 25 26 23 COIN TOMETER 27 26 24 NOTE IN METER 28 31 31 35	1	VIDEO RED	VIDEO GREEN	1
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23 COIN IN METER 23 24 NOTE IN METER 24 25 25 26 26 27 HOPPER METER 26 28 START / TAKE LAMP 29 30 STOP 2 LAMP 30 31 PLAY LAMP 31 32 STOP 3 / TAKE LAMP 32 33 STOP 1 LAMP 33 34 ALL STOP LAMP 34 35 6 GND GND 1 GND GND 1 2 GND GND 2 3 +5V +5V 3 4 +5V +5V 3 4 +5V +12V +12V 5 +12V +12V 6 7 TICKET DISPENSER ENABLE 7 8 9 GND GND 9 10 GND GND 9	22	•		22
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262627HOPPER METER2728CLEAR / TICKET / PRINTER METER2829START / TAKE LAMP2930STOP 2 LAMP3031PLAY LAMP3132STOP 3 / TAKE LAMP3233STOP 1 LAMP3334ALL STOP LAMP3435GNDGND7MODGND1GNDGND1GNDGND2STOP 1 LAMP334+SVSOLDER SIDE9FINPARTS SIDE9GNDGND1GNDGND1GNDGND1GNDGND2SOLDER SIDE3+SV4+SV5+12V6+12V7TICKET DISPENSER ENABLE7TICKET DISPENSER ENABLE9GND10GND10GND10GND10GND				
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10 GND GND 10			CND	

* HOPPER SWITCH - auto detect normal low (mostly micro switch type) or normal high (mostly sensor type) SHADED PIN OUTS ARE NOT AVAILABLE IN TEXAS VERSION

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New S2000 board

The new S2000 board is a powerful platform designed to give sophisticated performance, special visual effects, finer resolutions, communication capabilities, and to make it a more cost effective investment.

There are 3 communication ports on the board. The RS232C is primarily used to drive printer to print tickets without any interface. It can also be used to download / upload data and instructions from / to PC. The other 2 communication ports (CN1 and CN2) are mainly for linking with other S2000 boards (and to central console with modem, if required). Application such as linking progressive bonus of all the machines together to display on screen in real time can be done efficiently. (SEE MANUAL OF LINKING)

To drive a printer to print ticket, simply connect with a 25 pin one-to-one cable to the serial port of the printer. Printer ticket set up can be done on screen (or download from PC - SEE MANUAL OF PC DOWNLOAD). Go to Account Screen and follow instructions. The following printer settings have to be adjusted on the printer: BAUD RATE = 9600, WORD LENGTH = 8 BITS, PARITY = NO.



MONITOR ADJUSTMENT

The resolutions of S2000 are 33.3% more than that of New Cherry '96. Sync, V-size, Vpos, H-pos,...etc. may have to be adjusted. After reset or existing Confirm Screen, a test screen (as left) will come up.

1/ Dip SW 5 # 1 - "OFF" Korean made (most USA brands) monitor; "ON" Taiwanese made.

2/ Adjust Sync to get a stable picture.

3/ Adjust V-size, V-pos, H-size, and H-pos such that all 4 white corner brackets (rightangle shape) can be seen and are a little bit away from the curving edges of monitor.

4/ Adjust color purity. Most monitors may look fine without further adjusting colors, but a re-adjustment will make sure true color representations, not only for the S2000 board but for all other games.

There are 4 color bands, a gray & white card, and 4 white corner brackets. The 4 color bands are (pure) red, green, blue, and white. Turn brightness on until background is no longer "black" and turn RGB to the lowest. Turn G up until flare comes out (like a shadow going outside the edge) on white; then, reduce gradually until the flare "just" disappears. Do the same thing with R and B one by one. Lastly, reduce brightness until background is "black".

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DIP SW 5			1	2	3	4	5	6	7	8
MONITOR TYPE	KOREAN	N MADE	OFF for most monitors used in USA							
MONITOR TIPE	TAIWANE	SE MADE	ON							
	NO L	INK		OFF	OFF	OFF	OFF			
	UNI	T 1		ON	OFF	OFF	OFF			
	UNI	T 2		OFF	ON	OFF	OFF			
	UNI	T 3		ON	ON	OFF	OFF			
	UNI	T 4		OFF	OFF	ON	OFF			
	UNI	T 5		ON	OFF	ON	OFF			
UNIT ID SETUP FOR	UNI	T 6		OFF	ON	ON	OFF			
PROGRESSIVE LINK BONUS (Control board and link cables	UNIT 7			ON	ON	ON	OFF			
required. Program must be Link	UNIT 8			OFF	OFF	OFF	ON			
Version.)	UNIT 9			ON	OFF	OFF	ON			
	UNIT 10			OFF	ON	OFF	ON			
	UNIT 11			ON	ON	OFF	ON			
	UNIT 12			OFF	OFF	ON	ON			
	UNIT 13			ON	OFF	ON	ON			
	UNIT 14			OFF	ON	ON	ON			
	UNI	Г 15		ON	ON	ON	ON			
	Regular	Texas								
	Coin=1, Clear=1	Coin=5, Clear=50						OFF	OFF	
RESET DEFAULT	Coin=5, Clear Unit=20							ON	OFF	
	Coin=5, Clear Unit=100							OFF	ON	
	Coin=25, Clear Unit=100							ON	ON	
NO USE	MUS	ТВЕ								OFF

All selections are made on screen or by PC DOWNLOAD except those listed in Dip SW 5.

Please go to Confirm Screen and following on screen instructions to adjust available selections. Different versions may have different available selections and selectable ranges. Whenever the S2000 board is reset by toggle switch, default settings will be loaded. Check Confirm Screen and make necessary adjustment to suit your operation.

Selections which can be adjusted on screen (NOT for all versions) are as follow:

LEVEL OF DIFFICULTY: Default is Level 6.

COIN IN TO POINT: It relates to 36 pin edge connector part side 18. 1 pulse in = ? (Only 5 and 25 in Texas Version. See Page 4.) **NOTE IN TO POINT**: It relates to 36 pin edge connector solder side 18. 1 pulse in = ?

COIN IN LIMIT: Set the COIN IN limit.

MIN PLAY TO START: Min point(s) required to start to play a game.

MIN PLAY FOR BONUS: Min points required in order to get bonus features.

MAX PLAY: Max points which can be played in a game.

ANIMAL BONUS BASE: The base point of progressive bonus.

ANIMAL BONUS MAX: The max point of progressive bonus.

BONUS ACCUMULATE: Whether progressive bonus is in fixed mode or progressive mode.

CLEAR / TICKET UNIT: It relates to 36 pin edge connector part side 28. Each pulse out = ? Point(s).

TICKET OUT MODE: It relates to above and regulates max ? pulse(s) out each game. Continuous = no limit.

USE SCORE: If yes, "SCORE" will appear on screen. All points won will be collected to "SCORE". Default = NO.

SCORE OUT: Manual (default) or Auto.

TICKET OUT: It can be Printer Direct*, Ticket Dispenser Direct Drive (TDDD), or Interface,

SHOW ACCOUNT: If no, there is no account information on Account Screen.

STATE: (for TX version only) Texas, Arkansas, Iowa.

WITHOUT ODDS TABLE: Show odds table on screen or not. YES = do not show; NO = show.

LIMIT SCORE PER GAME: Limit SCORE per game play to 10xplay or an equivalent of \$5 whichever is less. Recommend to use TX Version instead.

PLAY REMAIN SCORE: Only when "SCORE" appears on screen. Play directly from "SCORE" when no point in POINT column.

COUNT GAME: This is an advanced count game feature counting eligible pulses out based on TICKET OUT MODE.

PRINTER TYPE: Use one central printer via Link Control Unit (VIA LINK) or individual printer installed in machine (USE SELF).

PRINTER COMMAND: CBM1 (Citizen) (default), ESC/POS (Epson), STAR emulation, Ithaca 70.

USE PASSWORD: NO (default), Service Only, Adjust Only, Service and Adjust. **HOPPER UNIT USE**: Use COIN IN or CLEAR / TICKET UNIT as reference.

ALSO USE START BUTTON TO TAKE: YES or NO.

SPIN MODE: NORMAL, NORMAL+VARY, NON-STOP, NON-STOP+VARY.

REEL SPEED: NORMAL OR SLOW.

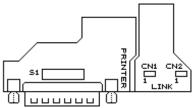
* When using Printer Direct, please go to Account Screen then Printer Ticket Set Up. Remember to do Printer Ticket Set Up again after reset of board!

IMPORTANT: In order to be able to change selections, you must enter a valid password first. Otherwise, you can only view current selections. Obtain your Access Password from your supplier.

SHADED ADJUSTMENT SELECTIONS ARE NOT AVAILABLE IN TEXAS VERSION.

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	RS232C	1	2	3	4	5	6	7	8
Model S2000	PRINTER PORT &	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
Model S2000 A/B	PC DOWNLOAD	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF

*PRINTER: BAUD RATE = 9600, WORD LENGTH = 8 BITS, PARITY = NO.

(Dip SW settings of Citizen iDP3540/3541 = DS1 # 1,8 ON; DS2 # 2,5,6,7 ON)

(The alarm light of 3550/3551 has to be ON all the time in order to print. With above settings and program version 2.0~, 3540/3541/3550/3551 alarm light can be ON all the time)

In Printer Ticket Set Up, there are 3 entries which need to be done carefully. (Others are mainly text messages.)

POINT VALUE: It is the \$ value of each point. Immediately after reset, program will detect coin in setting and use the following COIN MODE table to assign the \$ value of each point. It can be changed If not using LIMIT SCORE.

TICKET LIMIT: Default is \$00.00, meaning no limit. The maximum \$ value of a single ticket can be limited from \$1 to \$99. (CAUTION: do not set TICKET LIMIT-except \$00.00-less than POINT VALUE.)

PRINT \$ OR POINT ON TICKET: Select between DOLLAR or POINTS (default).

Adjust Ticket Setting and Game Setting by PC DOWNLOAD

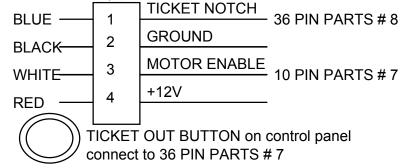
S2000 PC DOWNLOAD PROGRAM is distributed FREE. It runs on PC with Windows 95/98. You may obtain a free copy on a 3.5" disk or by downloading it from the internet*. A HELP file will come up the first time you use it after installation. You will find all necessary information on how to adjust BOTH Ticket Setting and Game Setting of your board by PC. PC Download Program will be especially useful in printer ticket set up. Typing name, address, machine number....etc. will be much faster on a computer than through on screen input. On your S2000 board, go to Account Screen and press <DOUBLE> to go to PC download mode. Also, remember to set Dip SW S1 (near RS232C port) of your board to PC download mode during PC download. Press <TAKE> to exit PC download mode.

* http://www.amcoe.com

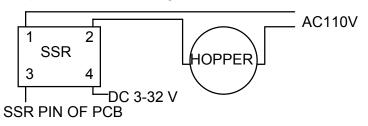
COIN MODE	COIN IN SETTING	BILL ACCEPT	OR SELECTION	\$1 = ? POINTS	LIMIT SCORE	
COIN MODE	COIN IN SETTING	\$1 = 1 PULSE \$1 = 4 PULSES		\$1 - : FOINTS	MAX \$5 = ? POINTS	
\$1 = 1 PT.	1	YES		1	DO NOT USE	
\$0.50 = 1 PT.	2	YES		2	10	
\$0.25 = 1 PT.	1		YES	4	20	
	4	YES		7		
\$0.10 = 1 PT.	10	YES		10	50	
\$0.05 = 1 PT.	5		YES	20	100	
\$0.05 = 111.	20	YES		20	100	
\$0.01 = 1 PT.	25		YES	100	500	
φ0.01 - 1 FT.	100	YES		100	500	

Ticket Dispenser Connection Diagram

DL-1275 (verify pinouts on manual of ticket dispenser)



Hopper Connection Diagram



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Game Features:

1/ In the main game, there is a special ANY ANIMAL symbol, which stands for any Animal in a 3-Animal-line win and all-9-Animal win. It does not stand as DOG-ANY-ANY and DOG-DOG-ANY.

2/ There are FOUR progressive bonuses, namely All Tiger, All Gorilla, All Cat, and All Dog.

3/ CROWN BONUS GAME: Red Crown Line = 5 chances; Green Crown Line = 7 chances; Blue Crown Line = 9 chances.

4/ GOLD COIN BONUS: Gold Coin Line = 3 chances.

5/ SILVER COIN BONUS: Silver Coin Line = 3 chances.

6/ FREE SPINS: Mixed Crown Line = 5 free spins; Binocular Line = 5 free spins. In FREE SPINS, Mixed Crown Line and Binocular Line will not be counted again to give further free spins. However, all other bonuses are counted and given as usual.

Features and bonus games are simple and straight forward. Everything is self-explanatory on screen. Play the game for a while or look at demo pages to have a better understanding of the game. There is NO double game.

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