

IGS®



Operator Manual

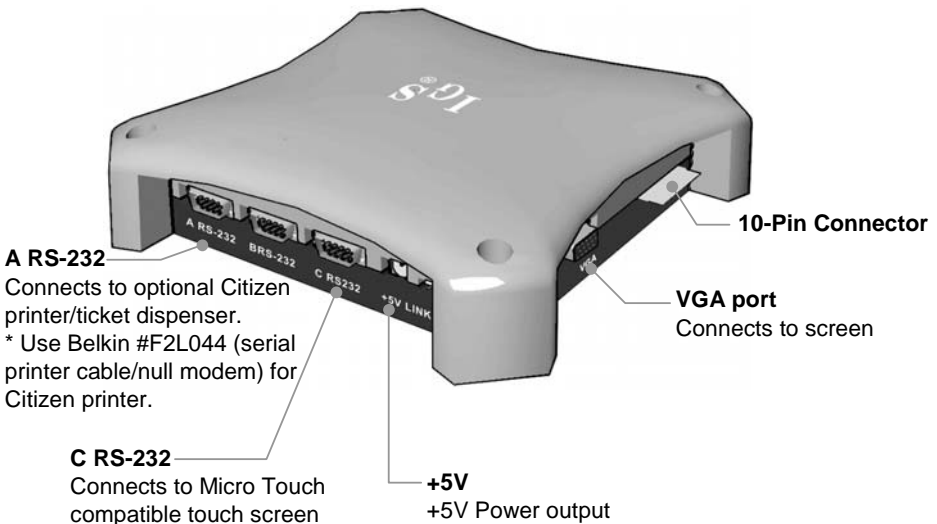
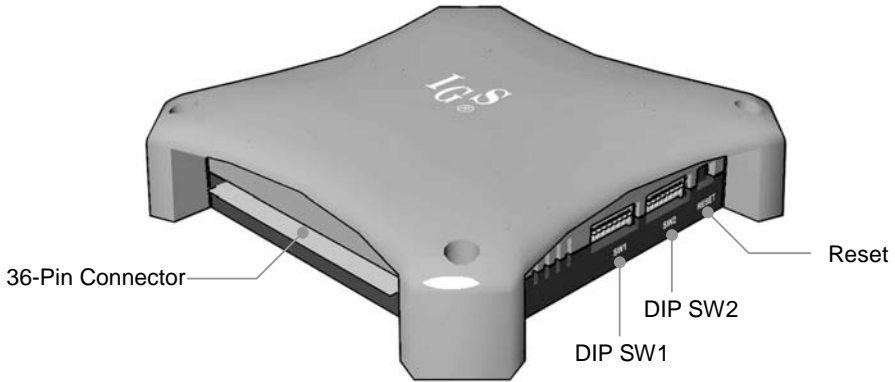


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# 1. Hardware

## Connectors Descriptions



### Notes:

1. Printer only can be driven when connecting to the RS-232 port.
2. The interface board of ticket dispenser can be driven by connecting to the 7th pin on the Part Side of 10 pins (on 36 & 10 pins diagram).

# Connection Diagram

36 Pins		
PARTS SIDE		SOLDER SIDE
	1	
	2	
SPEAKER	3	GND
	4	
	5	
	6	
TICKET OUT	7	
TICKET SWITCH	8	
START/ALL STOP	9	
STOP4/SMALL/HELP	10	
STOP5/PLAY	11	
STOP1/TAKE	12	
STOP3/DOUBLE/SELECT LINE	13	
	14	
	15	
STOP2/HOLD PAIR/BIG	16	
	17	
COIN A	18	KEY IN
	19	COIN C
RECORD	20	TEST
	21	KEY OUT/PRINTER OUT
	22	
COIN A METER	23	
KEY IN METER	24	
	25	
COIN C METER	26	
OUT METER	27	
	28	
LAMP: START/ALL STOP	29	
LAMP: STOP4/SMALL/HELP	30	
LAMP: STOP5/PLAY	31	LAMP: COUNT
LAMP: STOP1/TAKE	32	
LAMP: STOP3/DOUBLE/SELECT LINE	33	
LAMP: STOP2/HOLD PAIR/BIG	34	
	35	
GND	36	GND

10 Pins		
PARTS SIDE		SOLDER SIDE
GND	1	GND
GND	2	GND
+5V	3	+5V
+5V	4	+5V
+12V	5	+12V
	6	
TICKET SSR	7	
	8	
	9	
GND	10	GND

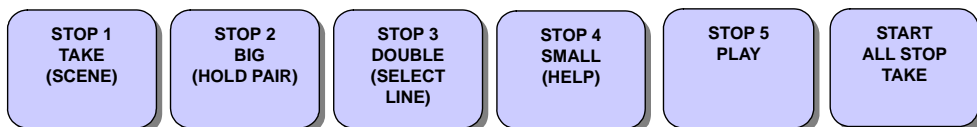


## DIP Switch Settings

DIP SWITCH 1		1	2	3	4	5	6	7	8
TOUCH	YES	ON							
	NO	OFF							
LINER SELECT	25		ON						
	9		OFF						

**Note:** Please reset after adjusting **LINER SELECT**.

## 36 & 10 PIN Button Layout

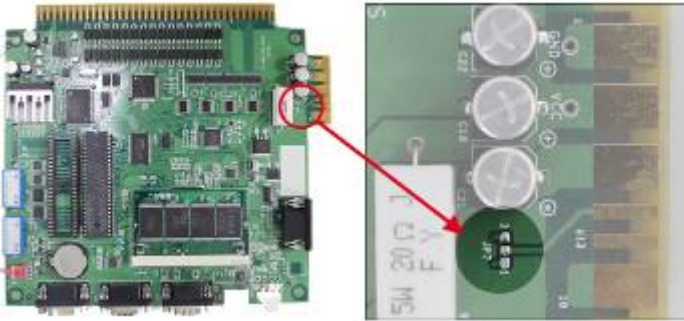


# Solving Hopper SSR Error

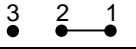
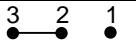
After powering on the machine, if the hopper keeps working and can't be stopped, it could be that the hopper SSR's jump setting is incorrect.

## How to solve:

1. Locate the Hopper SSR jump (JP7) on the PC board. Then identify current HOPPER SSR is at HIGH ACTIVE or LOW ACTIVE.



2. Change to use the alternative JP7 setting.

JP7	Low Active (Default)		Short pins 1-2
	High Active		Short pins 2-3

The following example shows how to change from **LOW ACTIVE** to **HIGH ACTIVE**.



Open pins 1 and 2  
Remove the solder bridge between pins 1-2.

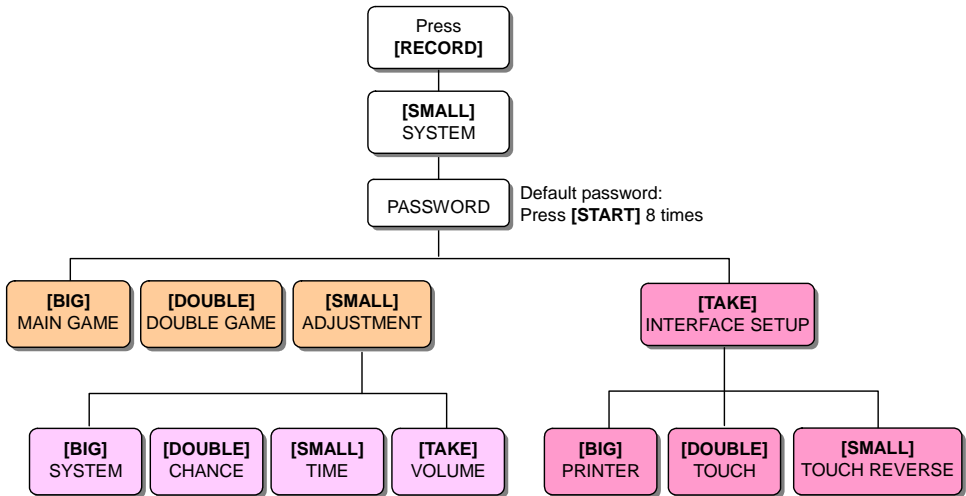
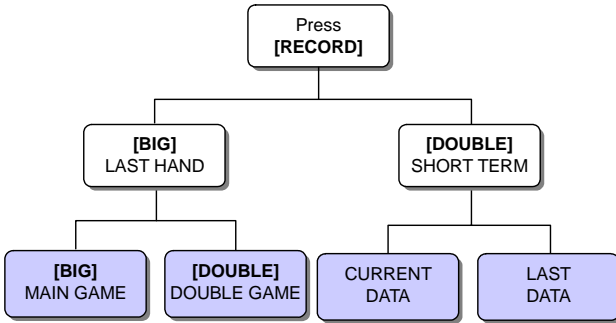


Short pins 2 and 3.  
Then apply solder to bridge pins 2-3.



# 2. Bookkeeping & Adjustment

## Access Flow Chart





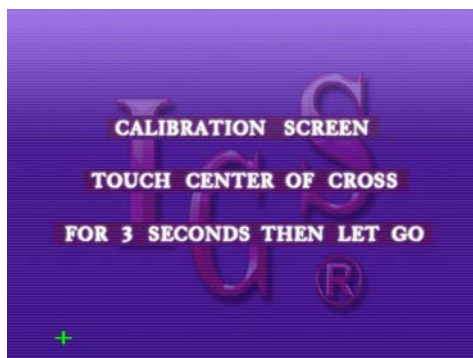
# System Adjustment

ITEMS	SETTING SELECTIONS	DEFAULT
MAX. PLAY/LINE (25)	2, 4, 8, 10, 15, 20	20
MAX. PLAY/LINE (9)	5, 10, 20, 30, 40, 50	50
MIN. PLAY/TOTAL	1,5,7,9,10,15,18,20,25 ,27 ,36 ,45 ,50 ,72 ,75,90 ,100 ,144 ,150	25
MIN.PLAY FOR JACKPOT	1, 3, 5, 9, 10, 15, 18, 25	25
COIN RATE	1, 2, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60, 75, 80, 100, 200, 250, 400,500, 1000	25
KEY IN RATE		100
KEY OUT RATE		1
TICKET RATE		500
GAME TICKET	1, 2, 3, 4, 5, 8, 10, CONTINUOUS	CONTINUOUS
INTERFACE	DISPENSER, PRINTER, ATTENDANT	DISPENSER
PRINTER COMMAND	CBM1, ESC/POS, STAR	CBM1
SYSTEM LIMIT	NO, YES	NO
AUTO TICKET	NO, YES	NO
DEMO MUSIC	NO, YES	YES
NON STOP	NO, YES	NO
PASSWORD	NO, YES	NO
ODDS TABLE	NO, YES	YES
SCORE BOX	NO, YES, 10X	NO
PLAY SCORE	NO, YES	YES
HAND COUNT	NO, YES	NO
HOLD PAIR	NO, YES	YES
AUTO PLAY	NO, YES	YES
DOUBLE GAME	NO, YES	YES
JACKPOT MODE	PROGRESSIVE, RANDOM	PROGRESSIVE

## Chance Adjustment

ITEMS	SETTING SELECTIONS	DEFAULT
MAIN GAME LEVEL	LEVEL 1 (easiest), LEVEL 2, LEVEL 3, LEVEL 4, LEVEL 5, LEVEL 6 (hardest)	LEVEL 6
DOUBLE GAME LEVEL	95%, 90%, 85%	95%

## Touch Screen Calibration



1. Press **[RECORD]** and follow the on-screen prompts to enter the calibration screen.
2. Touch center of the cross on the screen for 3 seconds.
3. Follows the cross when it moves till the calibration is completed.

# 3. Game Introduction

## Features

- 9 / 25-liner adjustable.
- Max. Win up to 500,000 (in 25-liner setting).
- 1 set of progressive Jackpot and 2 sets of random Jackpot. If 5/4/3 Jackpot Symbols are in line, players win Jackpots 1/2/3 depending on the JP symbol.
- Encouraging higher play: Win paid from left to right and right to left when matches the criteria. Players may win more as they play more.
- Hold Pair feature: Select the desired hold symbols and re-spin the rest of the symbols. Press Hold-Pair button to swap the symbols.
- 5~20 free games: Free games will be triggered when correct symbols show up.
- Touch screen / Auto play support.

## Main Game

MIDNIGHT CASTLE is a 15-reel & 9/25-liner game with 3 different bonus games.



3 sets of Jackpots

9 / 25-liner adjustable

Symbol Zone

Player may change the scene between day and night by pressing the



# Feature





- During the game, **Pumpkin** will randomly hit the symbols on the wheel to make it spin again.



## Free Game





- With  and  next to each other from left to right, player enters the Free Game.



- With  and  next to each other from left to right, player enters the Free Game.

## Bonus Game


With 3X ( or ) symbols or more on the screen, the player enters the Bonus Game.

### Bonus Game1



- Choose chamber from one to five to win a prize.




- Player wins extra credits according to the chosen symbol..
- Game ends when  was chosen.

### Bonus Game 2





- Choose one of the three bat symbols.
- Player gets one of the five symbols at random



- The wolfman will hit the pumpkin with chosen hammer to lift the skeleton. Play wins extra credits depends how far the skeleton was
- Game ends when  was chosen.

## Bonus Game 3



- Player enters the Liquor Wheel Game at first. Winning depends on the symbol chosen by player.
- When  was chosen, player enters the Romantic Game.
- Game ends when  was chosen.

## Double Game



After winning the Main game or Bonus game, player can press **[DOUBLE UP]** button to play Double Game.

- Color guessing: red or black
- Play wins double credits when choosing the right color.



# 4. Wins Rules

## Jackpot

	JACKPOT 1	5-in-line wins Jackpot 1.
	JACKPOT 2	4-in-line wins Jackpot 2.
	JACKPOT 3	3-in-line wins Jackpot 3.

## Encouraging Higher Play

### 9-Liner

#### JACKPOT

MIN. TOTAL PLAY	JACKPOT
25	50%
25	100%
27	100%
36	100%

Win paid from left to right and right to left

PLAY LINES	LINE PLAY	TOTAL PLAY	EXTRA WIN LINES
9	2	18	1-3
9	3	27	1-6
9	4	36	1-9



## 25-Liner

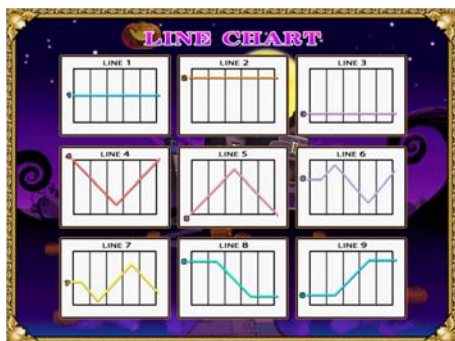
JACKPOT

MIN. TOTAL PLAY	JACKPOT
25	50%
50	100%

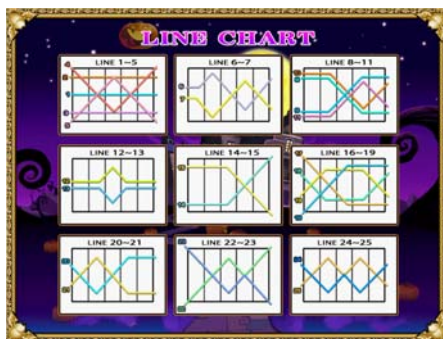
Win paid from left to right and right to left

PLAY LINES	LINE PLAY	TOTAL PLAY	EXTRA WIN LINES
25	1	25	1-10
25	2	50	1-25

## Line Chart



Line-up pattern: 9-liner



Line-up pattern: 25-liner

## Odds Table



Line-up pattern: 9-liner



Line-up pattern: 25-liner



**IGS** INTERNATIONAL GAMES SYSTEM CO.,LTD.  
TEL:886-2-2299 4692 FAX:886-2-2299 4687 <http://sales.igs.com.tw>