



USER MANUAL

OF 'KING OF
THE HAMMER'

Note

IMPORTANT

Please read the manual carefully and keep it in mind before using this machine.

Put this manual within touch of your reference in anytime.

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Precautions

1. Precautions

- Immediately after receiving the product

Make sure operating voltage and power consumption are the same as specifications of location. Incorrect use may cause malfunctions.

- Notes for installation

A technician must install the product.
Please, follow the instructions carefully.

To avoid fire and electrical shock, use proper interior wiring and do not overload any one electrical outlet.

To avoid injury, do not expose the power cord to high traffic areas where it can be stepped and/or tripped on.

- Notes for transference

When transferring the product, do not damage the power cord.
This could lead to a malfunction or accident.

To avoid sustaining damage to product and causing possible malfunction, package product tightly when transferring,
as to not allow it to shift and/or move during transfer.



Specifications



King of Hammer -ver.DX-

- Power requirements:110v or 220v
- Power rating: 150w
- Dimensions: W740 X D930 X H3500
- Weight:250kg

King of Hammer -ver.SD-

- Power requirements:110v or 220v
- Power rating: 150w
- Dimensions: W550 X D900 X H2350
- Weight:140kg



Product Composition & Name of Each Part

□ Composition



- ① Front Door
- ② Hitting Plate
- ③ Urethane Hammer
- ④ Ticket Dispenser
- ⑤ Coin Box
- ⑥ FND
- ⑦ High Intensity LED
- ⑧ Second Coupling Device
- ⑨ Frame for fixing
- ⑩ Upper KEY
- ⑪ Billboard A'SSY



Product Composition & Name of Each Part

□ Inner Part



- ① Main PCB
- ② Solenoid & High Intensity LED Sharing PCB
- ③ FND PCB



- ① Coin Box
- ② Trans
- ③ Counter and Sort of P/W & S/W

□ Inside of Hitting Plate



- ① Solenoid
- ② Processed part of \neg -shape (Another name: grasshopper)
- ③ 小 S.P
- ④ 15 \varnothing Pin
- ⑤ Position sensor
- ⑥ Speed sensor



Sort of PCB and Circuit Diagram

□ Main PCB



1. Main ROM
2. Sound ROM
3. Sound ROM
4. CN11 POWER input
5. CN10 (Do not use)
6. CN7 I/O Board output. 1
7. CN8 FND
8. CN3 Coin Box
9. CN6 (Do not use)
10. CN4 Speed sensor
11. CN2 I/O Board output. 2
12. CN5 FND
13. JP2 Positions sensor
14. JP1 Volume
15. CN9 Speaker
16. Deep Switch

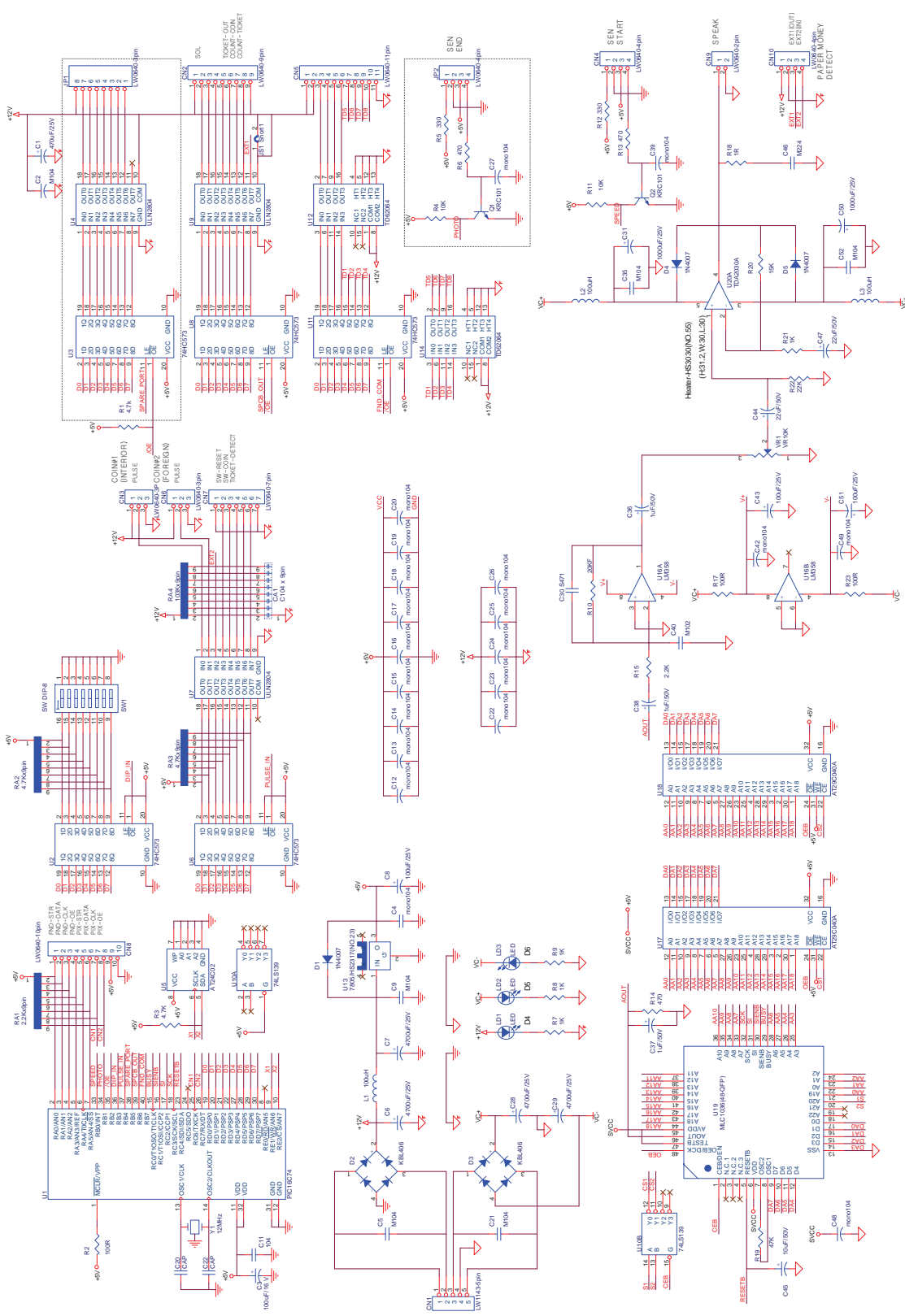
□ I/O PCB



1. AC24V IN
2. AC SWITCH
3. AC 220V IN
4. TRANS 1
5. TRANS 2
6. SOL
7. FND output device
8. Ticket dispenser
9. Ticket COUNTER
10. I/O Board Input 2
11. 220ng Counter
12. I/O Board Input 1
13. FND IN
- 14-17. Do not use
18. High intensity LED
Right signal(1~15)
19. High intensity LED
Left signal(16~30)

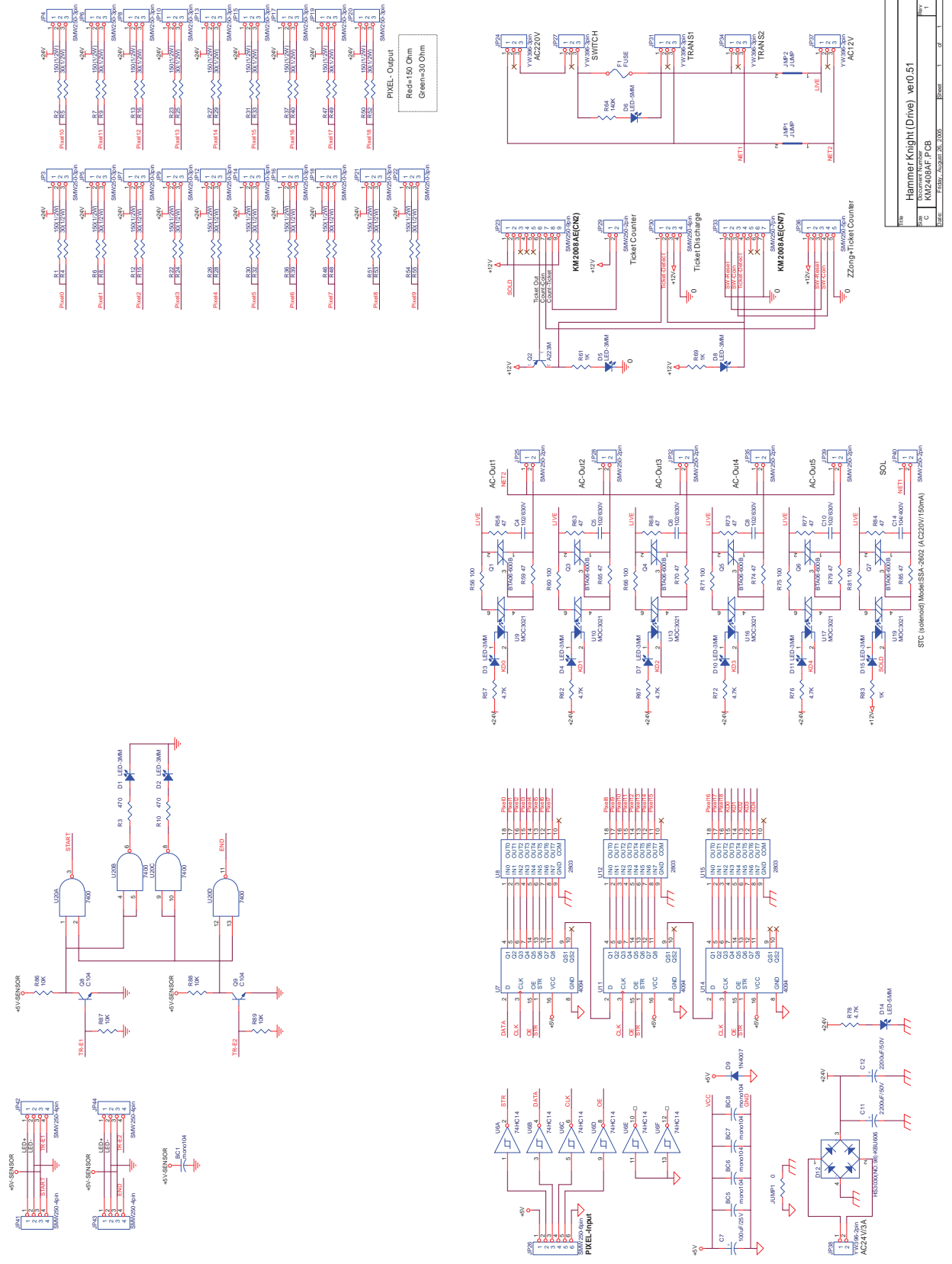
4-1. Circuit Diagram of Sort of PCB

□ Main circuit diagram



Rev	1	2	3	4	5	6	7	8	9	10	11	12
File	Purse System Co., Ltd (Punch-Game/Main)											
Category	KW2007AE PCB											
Scale	Date: 2005.05.20											

□ Drive(I/O) Circuit Diagram



Rev	Hammer Knight (Drive) ver0.51
Doc	KM240BAF.PCB
Size	150mm x 100mm (6" x 4")



How to Control and Set the Mode

DIP S/W setting

KING OF THE HAMMER--- ver 3.T (Power game)									
		1	2	3	4	5	6	7	8
1COIN/1 CREDIT		OFF							
2COIN/1 CREDIT		ON							
Free tickets	0		OFF	OFF					
	2		ON	OFF					
	4		OFF	ON					
	8		ON	ON					
Tickets per high score	0				OFF	OFF			
	10				ON	OFF			
	20				OFF	ON			
	30				ON	ON			
No function							OFF	OFF	
Ticket Over 820 score	5						ON	OFF	
Ticket Over 840 score	5						OFF	ON	
Ticket Over 860 score	5						ON	ON	
BACK UP									OFF

• Back up function

ON – always do not back up


OFF – always auto back up

•The score of 1st and 2nd play sum into the top FND.

•The high score is deducted by one point every play.



Part List

Name	Quantity	Material
PCB (per kind)	4EA(Main,FND, I/O PCB) - FND 3 type - A type B type C type 	
Processed Steel (Milling product)	10 Kinds	
Aluminum Hitting Plate	1EA	Aluminum
Sticker and PC Print	일체	PC5T
Trans	1EA	110 or 220V
High intensity LED	30EA	LED
Urethane Hammer	1EA	Urethane & MC
Solenoid	1EA	2K
Trust Bearing	1EA	51110
Oilless Bearing	2EA	35X40X30
Pig tail	3EA	
S.P large size,small size	2EA	
Coin Box	1EA	
Ticket Dispenser	1EA	
Vibration-Proof Rubber	2EA	
Vibration-Proof Rubber 12M	10EA	



Trouble Shooting & Maintenance

- In case of loosening a screw bolt
Tighten a screw bolt by using 10mm lens tool once a week



- In case that the sensor is not checked

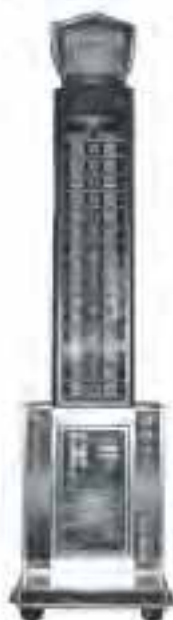


- In case a hitting plate does not go up
 - * Solenoid works very well when a small amount of grease is applied on the processed part of \cap -shape.
- In case of PCB problem
 - * Contact main office of manufacturer or the place of purchase.



How to Assemble

① Full Body



② Binding steel plate



③ Hitting part



Meet positions of ① case and ③ hitting part and < Solenoid 2P, position sensor 3P, speed sensor 3P > interlink a connector.

Fix them by using 10EA of 12m screw bolt after covering ② binding steel plate.



Image

A type - standard VER.3T



B type - prize



C type - billboard<option> VER. 4.0



D type - standart VER.5T
Height - 3500





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