

# PINTASTIC V2.0 USER MANUAL

## **1- PRODUCT OVERVIEW:**

The PINTASTIC interface board is a simple to use phone PIN printing solution. Featuring one time pin use safeguarding to ensure each pin is used only once. Easily print phone PINs stored in two easy to replace 8 pin IC's. PINTASTIC can print 10 or 12 digit phone pins in quantities of 5000, 10000 or 20000. The PINTASTIC utilizes pulses to print a ticket, making it compatible with any amusement or vending machine that utilizes a pulse signal input/output. The PINTASTIC can be used in stand alone systems or integrated systems using a shared printer. Shared printer mode utilizes serial input or a pulse input from a secondary source to print a ticket. PINTASTIC also includes options to customize your printed PIN ticket, all of which are dip switch adjustable. Connections are also available for hard meters. IT'S SIMPLY PINTASTIC!!

## **2 - COMPATIBLE PRINTERS:**

- ICT GP58-CR
- Custom TG558
- CITIZEN 3551

## **3 – SHARED PRINTER MODE:**

This feature allows the PINTASTIC interface board to share a printer with either a serial out or pulse out game board. Default operation is in pulse mode.

Pulse mode will accept pulses in and print the number of pulses on a ticket. In pulse mode the ticket format is not adjustable. All printers can be used with default settings. Meter out is used to keep track of all pulses counted on this input.

Serial mode will accept serial in from Pot of Gold games. In serial mode the ticket format is set within the Pot of Gold game. Serial mode requires that each printer be set to a baud rate of 2400 in order to operate correctly with the PINTASTIC interface board.

## **4 - LED INDICATORS:**

There are 3 LED indicators located on the PINTASTIC interface board. Each LED performs a different function and will be on or off depending on the current status of the interface board.

PWR (green) – Used to indicate power is being supplied to the PINTASTIC interface board. The LED will be on as long as there is power.

MC1 (red) – Used to monitor the status of controller MC1 on the PINTASTIC interface board. This LED will be on or off periodically depending on what function the controller is performing at the time. During normal idle operation MC1 LED will be off.

MC2 (red) - Used to monitor the status of controller MC2 on the PINTASTIC interface board. This LED will be on or off periodically depending on what function the controller is performing at the time. During normal idle operation MC2 LED will be flashing on/off.

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## **5 – METERS:**

The PINTASTIC gives you the ability to have a source of book keeping using hard meters.

METER IN – used as a way to record the amount of coin in received by PINTASTIC.

METER OUT – used as a way to record the amount of cash out received by PINTASTIC.

## **6 - CONNECTORS:**

### **J1**

Pin 1 - +12 VDC (ORANGE)

Pin 2 - Gnd (BLACK)

Pin 3 - Meter in (GREEN)

Pin 4 - Meter out (BLUE)

### **J2**

Pin 1 - Bill acceptor disable (BROWN)

Pin 2 - +5 volts (RED)

Pin 3 - Pulse in – ticket out (WHITE)

Pin 4 - Pulse in – coin in (GREY)

### **PULSE IN – TICKET OUT**

Signal in to print cash out ticket. Pin 28, parts side, with 8 liner harness and pin 8, solder side, with POG harness.

### **PULSE IN – COIN IN**

Signal in to print phone pins. Pin 23, parts side with 8 liner harness and pin 8 parts side with POG harness.

### **SERIAL IN**

Serial input operating at 2400 baud, 8,N,1. This connection is compatible with Pot Of Gold games by simply using a straight through network cable. When using this connection shared printer mode must be set to serial.

### **TO PRINTER**

This connector is used to attach the printer to the PINTASTIC interface board. Use the following instructions to connect a compatible printer.

- ICT GP58-CR – Use supplied green cable, connect side marked ‘printer’ to ICT printer. ICT printer must be in “Pot of Gold mode” to operate correctly with the PINTASTIC interface board. Only ICT printers with “Pot of Gold mode” selectable by dip switch 4 on the printer will work with the PINTASTIC interface board. Turn dip switch 4 ON to enable “Pot of Gold mode.”
- Custom TG558 – use supplied green cable, connect side marked ‘printer’ to Custom TG558 printer. The PINTASTIC interface board operates with Custom TG558 factory printer settings.
- CITIZEN 3551 – use supplied cable, connect DB25 pin connector to CITIZEN 3551 printer. The PINTASTIC interface board operates with CITIZEN 3551 factory printer settings.

### **\*NOTES:**

1. Unused wires on connector J1 or J2 should be individually capped so they do not cause any interference with other electrical components. **DO NOT TIE UNUSED WIRES TOGETHER.**
2. Meter in and meter out are designed to be used with 12 volt DC, 2 wire counters. Connect positive wire of counter to +12 volts DC and the negative wire of counter to J1 pin 3 or J1 pin 4.
3. This note applies **ONLY** when using Pyramid Technology bill acceptors. When using Pyramid Technology bill acceptors, use pin 1 (brown wire) of the 18 pin connector on the bill acceptor. Connect pin 1 from bill acceptor to J2 pin 4 of PINTASTIC interface board input connector.

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4. Bill acceptor disable is an active low output from PINTASTIC used to disable a bill acceptor. This only disables the bill acceptor when pulses are detected on J2 pin 3. To ensure correct operation, the bill acceptor disable should be used when using this pulse input in shared printer mode.

### **7 - OPERATING INSRUCTIONS:**

- Make proper electrical connections with supplied input harness.
- Connect printer using supplied cable, making sure to install according to markings.
- Install two 8 pin IC's containing phone PINs. When new IC's are being installed for the 1<sup>st</sup> time please refer to section 8 - INSTALLING NEW PHONE PIN IC CHIPS
- Turn on power
- Wait a couple seconds and a power up ticket will be printed displaying current settings & PINs remaining.
- PINTASTIC is ready to use!

### **8 - INSTALLING NEW PHONE PIN IC CHIPS:**

- Insert 8 pin IC marked 'L' or 'LOW' in to IC socket labeled 'LOW'
- Insert 8 pin IC marked 'H' or 'HIGH' in to IC socket labeled 'HIGH'
- Follow section 9 - RESET instructions
- PINTASTIC is ready to use!

### **9 - RESET INSTRUCTIONS:**

- Turn OFF power to PINTASTIC interface board.
- Turn ON dip switch 12 of SW1.
- Make sure all dip settings are correct.
- Turn ON power for PINTASTIC interface board. Leave on until attached printer prints a confirmation ticket.
- PINTASTIC interface board will take 3 seconds longer to power up during a RESET.
- If a reset was successful, the confirmation ticket printed will indicate RESET SUCCESSFUL at the top of the printed ticket. If an error occurred and a reset was not successful, the confirmation ticket will NOT indicate RESET SUCCESSFUL at the top of the printed ticket.
- If a reset was not successful, repeat the above steps.
- When reset is successful, turn OFF dip switch 12 of SW1.
- PINTASTIC is ready to use!

NOTE: If PINTASTIC is printing all zeros, this means all PINs have already been used on the current 8 pin IC's. This is due to PINTASTIC's one time use PIN safeguarding feature.

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## **10 – EMERGENCY RECOVER:**

This feature is used in case of an accidental reset in the middle of dispensing PINs. This feature will allow the user to adjust the number of PINs remaining in increments of 100. Emergency recovery mode can be used to get the user 'close' to the previous PIN count before a reset. In order to get to the exact PIN count desired, the user must adjust the PIN count by using the bill acceptor. Follow the instructions below step by step to use this feature correctly.

- Turn power off to PINTASTIC interface board
- Perform a RESET, refer to section 9. This will reset the program and set the PIN count back to the original PIN count before dispensing any PINs.
- Once the power up ticket has printed after the interface board has been reset, turn the power off again.
- Turn on SW1 dip 11 & dip 12
- Turn on power to PINTASTIC interface board.
- As soon as power is turned on, MC2 LED indicator will be on solid for approximately 4 seconds. Then it will turn off for a second. MC2 LED indicator will then blink twice to indicate you are in recovery mode.
- Adjust remaining PIN count. Once in recovery mode SW1 dip 10 is used to adjust the PIN count. When dip 10 is turned on, MC2 LED indicator will begin to blink. Each time the indicator blinks, 100 is deducted from the original PIN count. Turn dip 10 off to stop deducting from the original PIN count. Dip 10 can be turned off and turned back on and the PIN count will continue deducting from that spot you stopped at. At any time, dip 10 can be turned off and a ticket can be printed that will indicate the adjusted PIN count by turning off dip 12 and then turning dip 12 back on. Dip 12 must be turned back on before proceeding. Keep using dip 10 to adjust the remaining PIN count to the desired position.
- Once the desired PIN count is reached, turn off SW1 dip 10.
- Turn off SW1 dip 11. This will essentially reboot the PINTASTIC interface board and a power up ticket will print with the adjusted PIN count.
- Turn off SW1 dip 12. This terminates emergency recovery mode.
- PINTASTIC interface board is ready to use.

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## 11 - DIP SWITCH SETTINGS:

### SW1

SW1 - SELECTABLE OPTIONS														
DESCRIPTION	VALUE	DIP SWITCH												
		1	2	3	4	5	6	7	8	9	10	11	12	
SHARED PRINTER MODE	PULSE*	0												
	SERIAL	1												
PULSES IN PER DOLLAR **	1*		0											
	4		1											
PRINTED PIN DOLLAR VALUE	\$1			0	1									
	\$5*			0	0									
	\$10			1	0									
	\$20			1	1									
PHONE TIME PER PIN (MINUTES)	5					0	1							
	10					1	0							
	15*					0	0							
	30					1	1							
PIN EXPIRATION (DAYS)	30*							0	0					
	60							0	1					
	90							1	0					
	120							1	1					
PIN COUNT	5000/10000*									0				
	20000									1				
EMERGENCY RECOVERY (section 10)	NORMAL OPERATION*											0		
	ADJUST PIN COUNT											1		
EMERGENCY RECOVERY (section 10)	NORMAL OPERATION*												0	
	ENABLE EMERGENCY RECOVERY												1	
RESET (section 9)	NORMAL OPERATION*													0
	RESET													1

### SW2

SW2 - SELECTABLE OPTIONS						
DESCRIPTION	DIP SWITCH					
	1	2	3	4	5	6
ICT*	0	0	1	0	1	0
TG558	0	1	0	1	0	1
CITIZEN	1	0	0	1	0	0

\* DENOTES DEFAULT SETTING

\*\* SETTINGS SHOULD MATCH BILL ACCEPTOR PULSE SETTINGS