primero®

STORM GAMES

Bill Acceptor Settings

Revision: 1.0
Date: 4.15.25

Table of Contents

Version	Author / Contributors	Date	Changes / Comments
1.0	Shawn Lucci – Technical Writer Darren Breese – Director of Business Development Chris Ward – Technical Services Supervisor	4.15.25	Original Document

Symbols Used in This Guide

Indicates a **Warning** in which the Operator should pay close attention as an error may occur, damage to the machine, software or injury to the Operator may also occur.

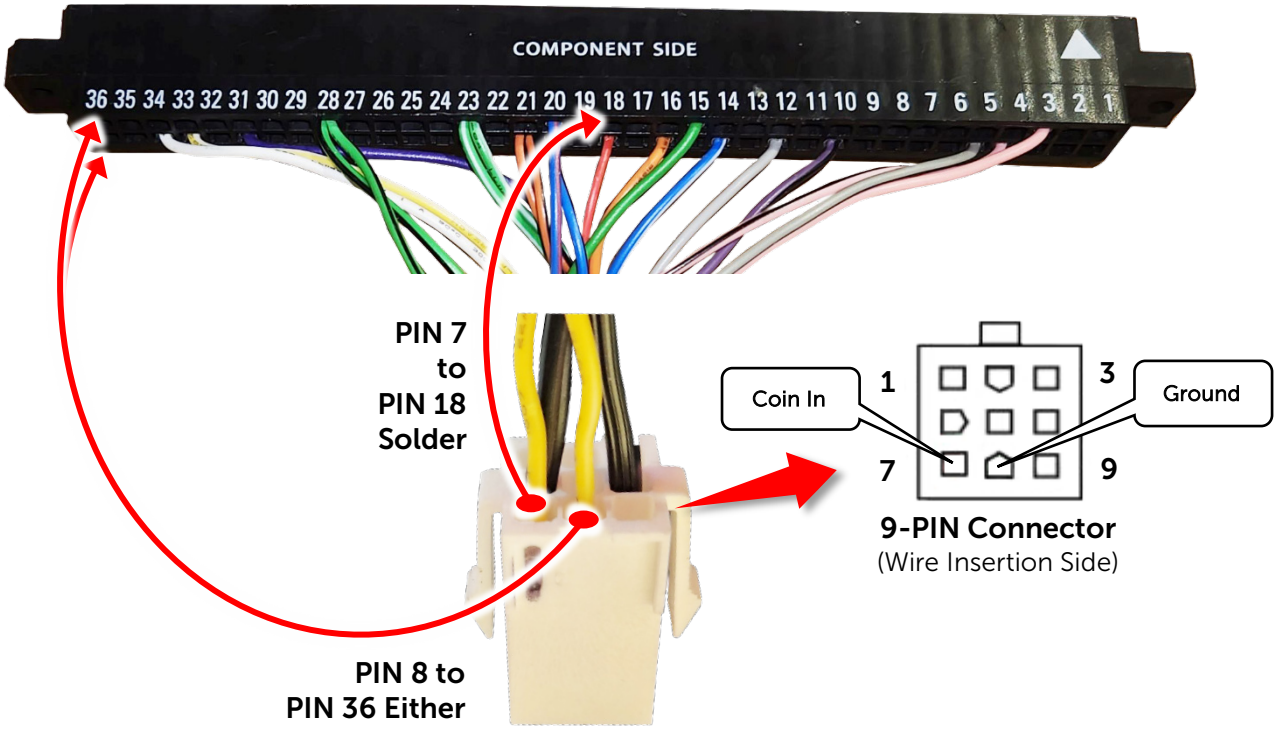
Indicates a **Note** or tip that the Operator should be aware of or may be helpful during the set up.

PA7, TAO and Apex Pulse Connector Diagram

This diagram shows the wiring setup for the 9-Pin Connector when using PA7, TAO and Apex Pulse Bill Acceptors.

Note: No settings in the Operator Menu need to be changed.

PIN	Connector Function
1	(No Connection)
2	(No Connection)
3	(No Connection)
4	120 VAC Hot Power (Not used for +12 VDC Model)
5	(No Connection)
6	120 VAC Neutral Power (24 VAC Neutral for +12 VDC Model)
7	Bill Acceptor Relay Contact – Coin In (Normally Open) (Connects to 18 Solder on Harness)
8	Bill Acceptor Relay Contact (Ground) (Connects to either PIN 36 on Harness)
9	(No Connection)
	Greyed Out = Not Used

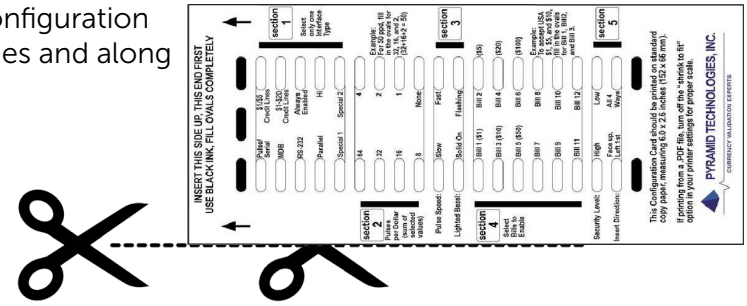


Note: Wire colors may differ depending on the cabinet or game machine.

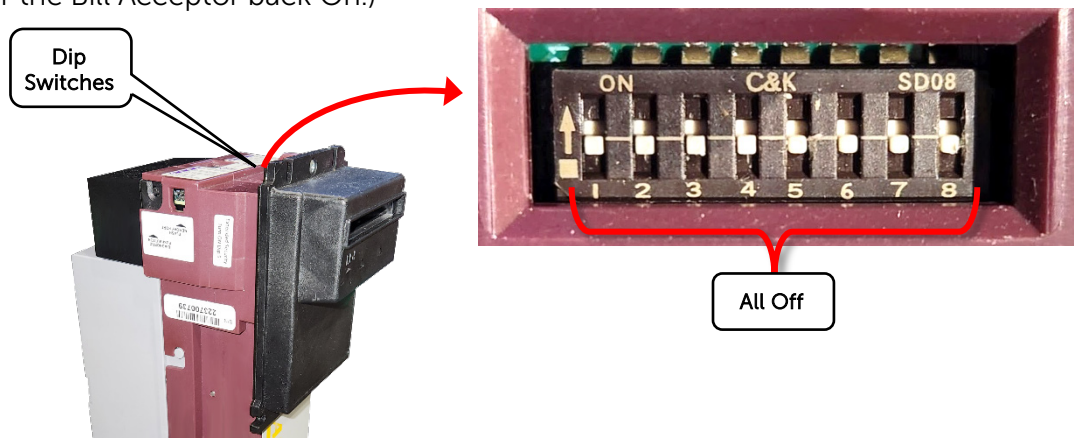
Pyramid Apex 7600 Serial on HD

1. Print the Configuration Cards below.

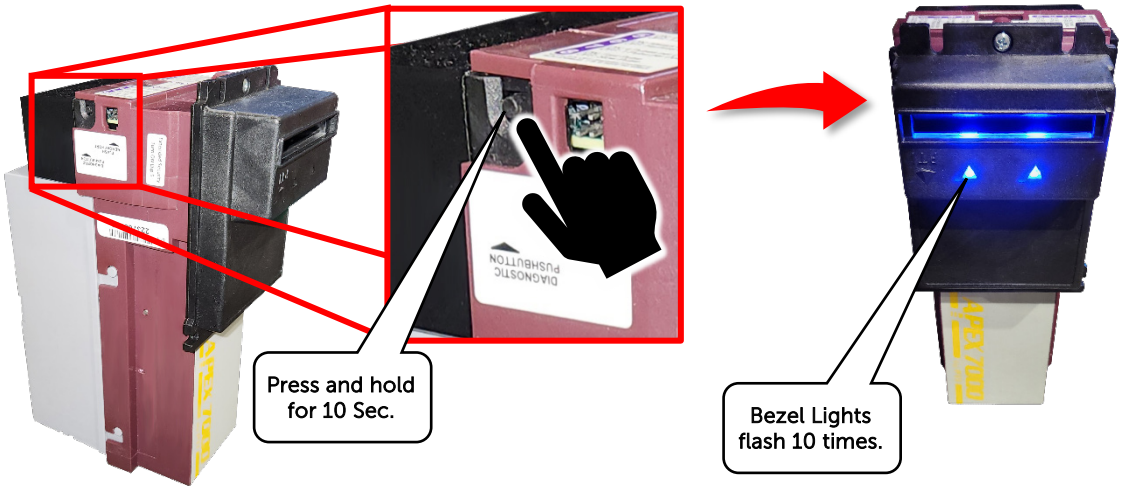
2. Carefully Cut out the appropriate Configuration Card, being careful to cut straight lines and along the black frame of the card.



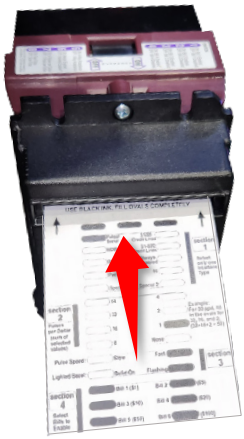
3. Make sure all Dip Switch positions are set to Off.
(If not, power off the Bill Acceptor and set all the Dip Switches to the Off position and Power the Bill Acceptor back On.)



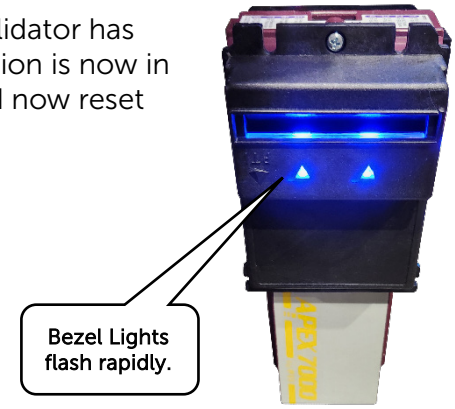
4. Press and hold the Diagnostic Pushbutton located at the left rear of the Bill Acceptor for at least ten 10 seconds, then release. The bezel lighting on the front of the validator will flash ten 10 times.



5. Insert the appropriate Configuration Card into the validator, arrows first, printed side face up. The validator will hold the Configuration Card for a second or two and then feed it back out again.



6. The bezel lights should flash rapidly, indicating the validator has read the Configuration Card correctly. The configuration is now in permanent memory in the Bill Acceptor which should now reset itself by doing a stacker cycle.



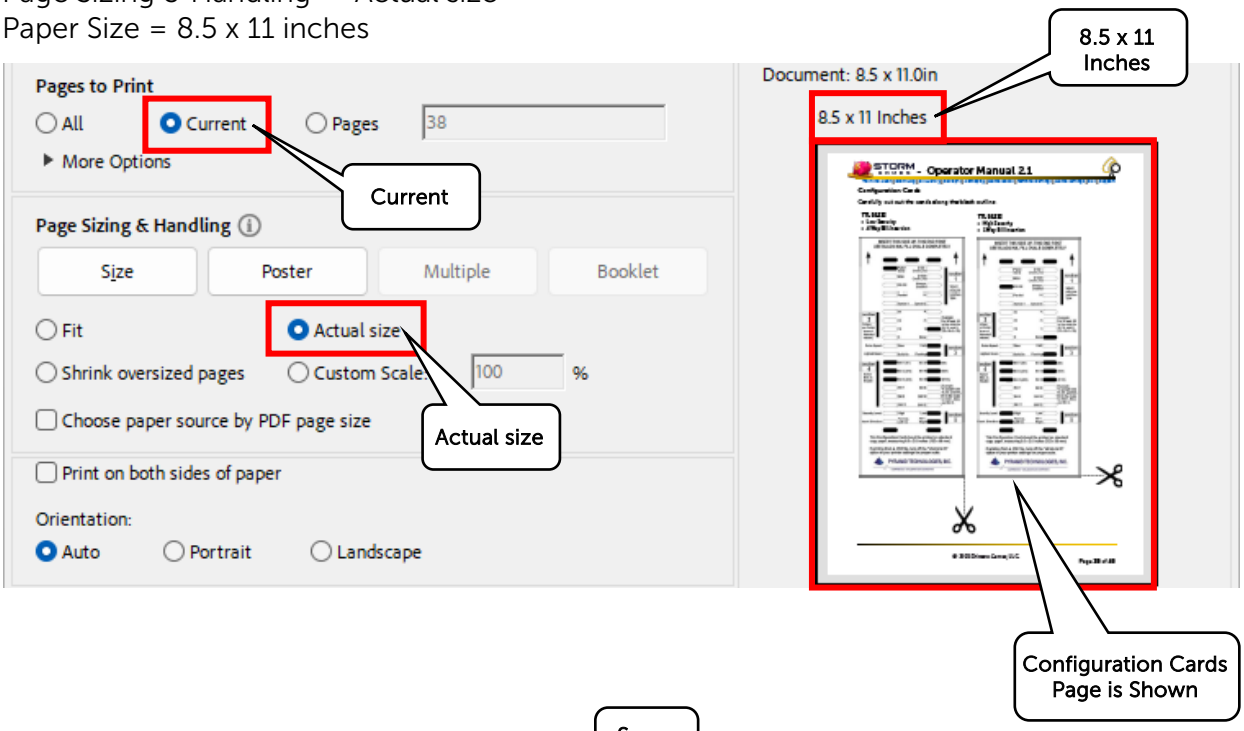
Warning: If the Bill Acceptor has not read the Configuration Card correctly, it will quickly reject the card and / or the bezel lights will flash slowly. Should this occur, check to make sure the Configuration Card was printed correctly, clearly and in the correct size. Also, make sure the card was cut out correctly with straight lines and is the proper width in line with an actual bill.

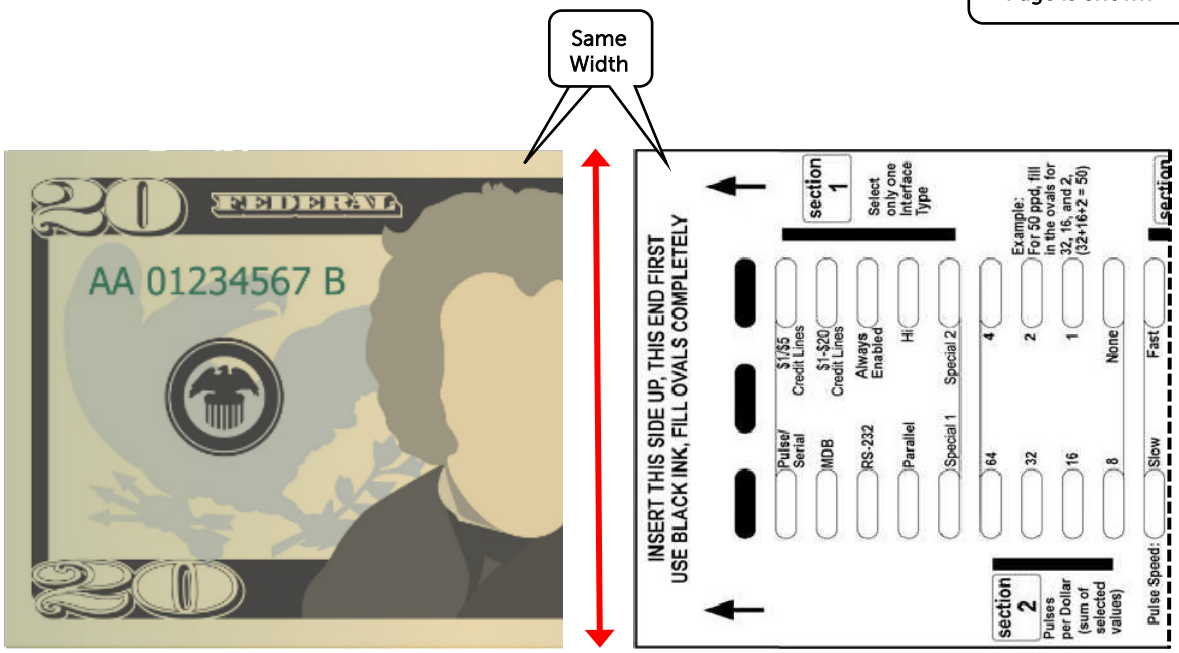
Note: The Bill Acceptor will stay in the Configuration Mode until it has correctly read a Configuration Card or powered off.

Print Instructions

It is critical that the Configuration Cards print in the correct size for the Bill Acceptor to read them precisely. Print on 8.5 x 11-inch paper. The Configuration Card should be the same width as a standard Bill. Be sure to print only the Configuration Cards page and set the Page Sizinf and Handling to Actual size. Once printed, carefully cut out the appropriate card along the black outline. Cards may be printed in Black and White.

Pages to Print = Current
Page Sizing & Handling = Actual size
Paper Size = 8.5 x 11 inches

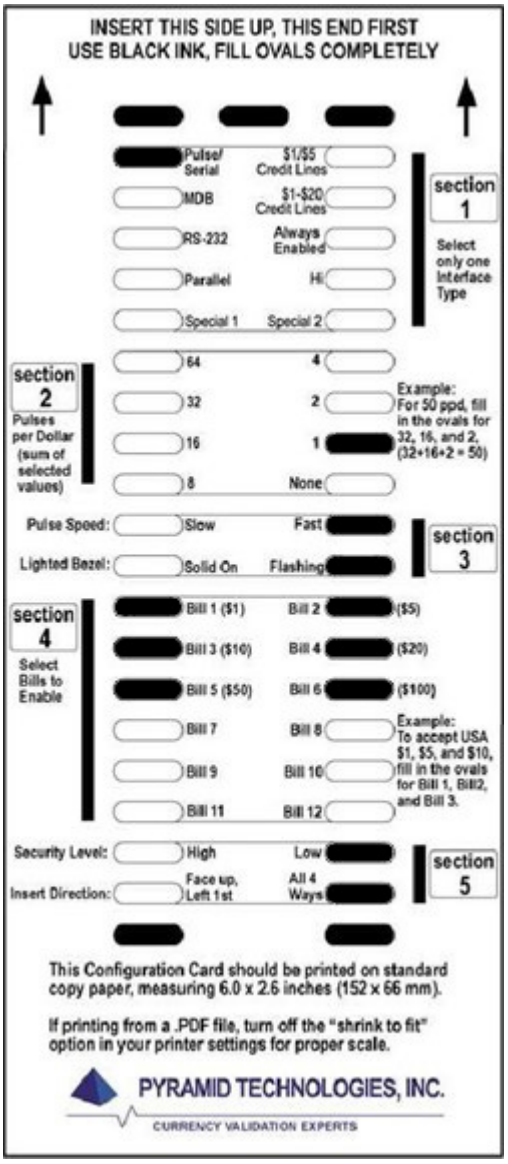




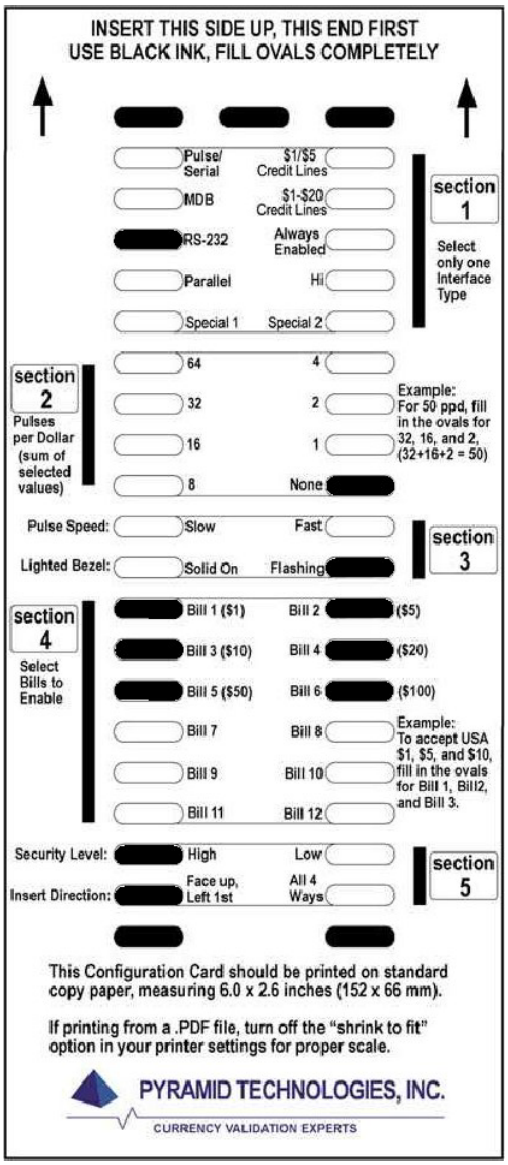
Configuration Cards

Carefully cut out the cards along the black outline.

TTL RS232
- Low Security
- 4 Way Bill Insertion



TTL RS232
- High Security
- 1 Way Bill Insertion



ICT PA7 and TAO Dip Switch Settings for Serial

Both PA7 and TAO Bill Acceptors have been tested for the WEL-RV706 Serial Cable only.

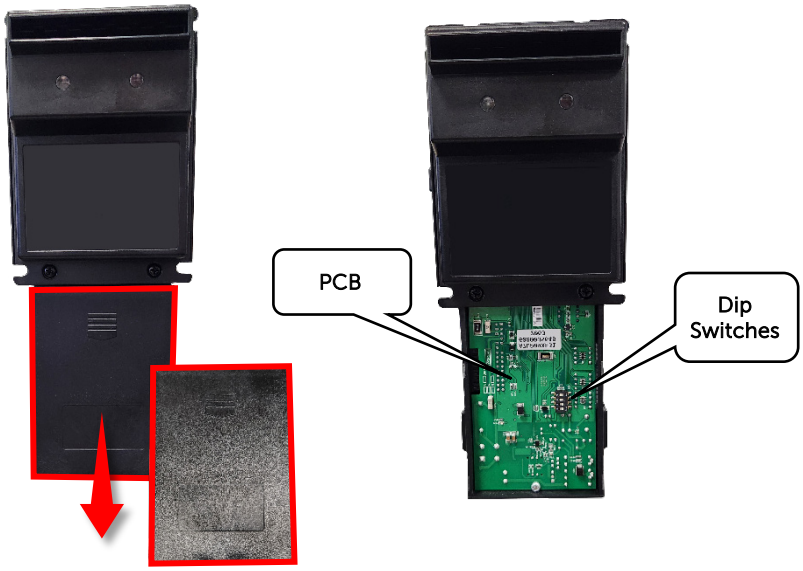
Warning: Power Off the Cabinet or Game Machine prior to making any changes to the Bill Acceptor Dip Switches or Cables.

ICT PA7 Dipswitch and Menu Settings

There are two sets of dip switches, internal and external, that need to be addressed for Serial Cables to function as well as the Bill Acceptor settings in the Operator Menu.

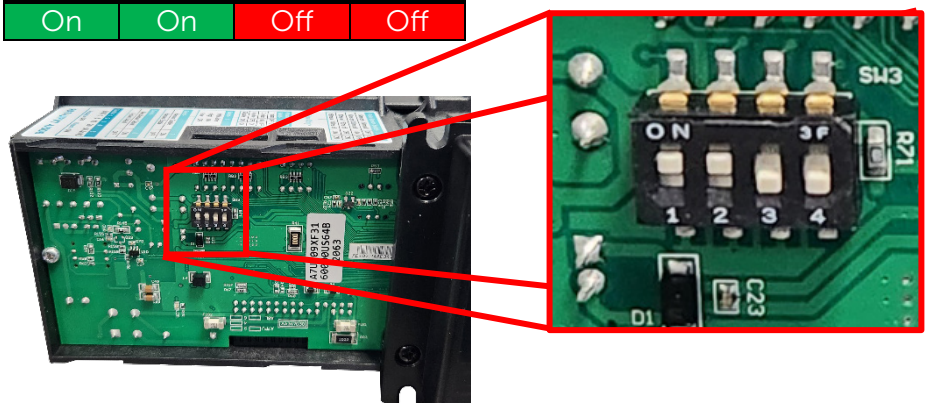
PA7 Internal / External Dip Switch Settings

1. Remove the PCB Cover.



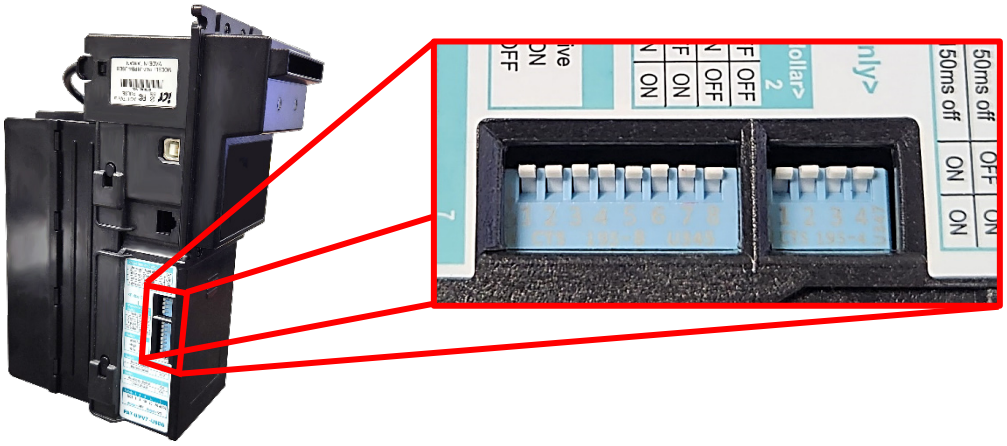
2. Set the Dip Switches to the settings below.

1	2	3	4
On	On	Off	Off



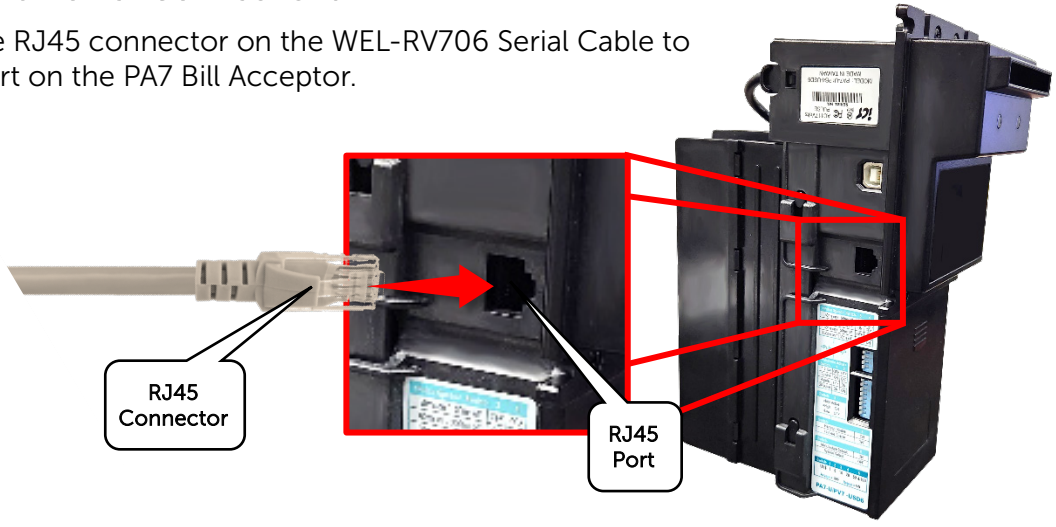
3. Replace the PCB Cover.

4. External Dip Switches should all be set to Off.

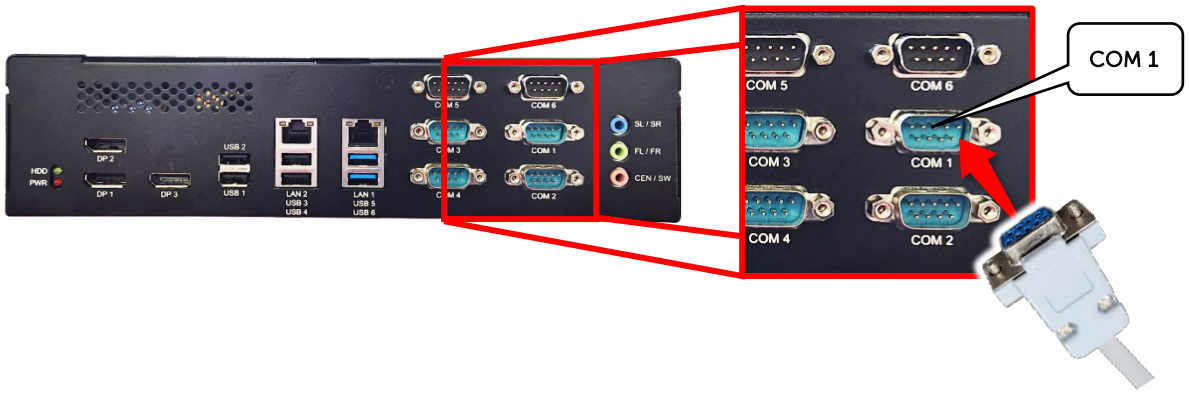


Serial Cable and Power Connections

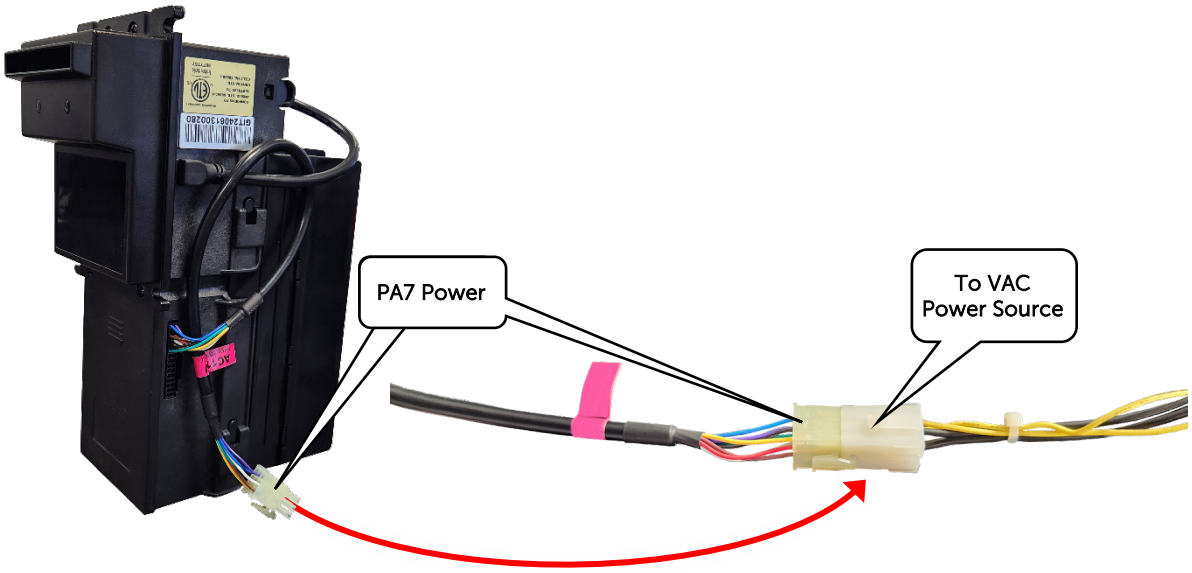
5. Connect the RJ45 connector on the WEL-RV706 Serial Cable to the RJ45 Port on the PA7 Bill Acceptor.



6. Connect the DB9 on the WEL-RV706 Serial Cable to COM 1 on the Board.

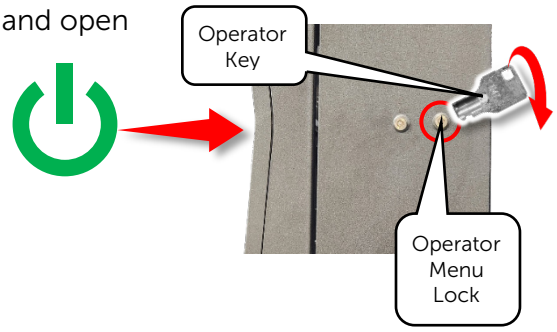


7. Connect the PA7 Power cable to the VAC Power Source inside the Cabinet or Game Machine.

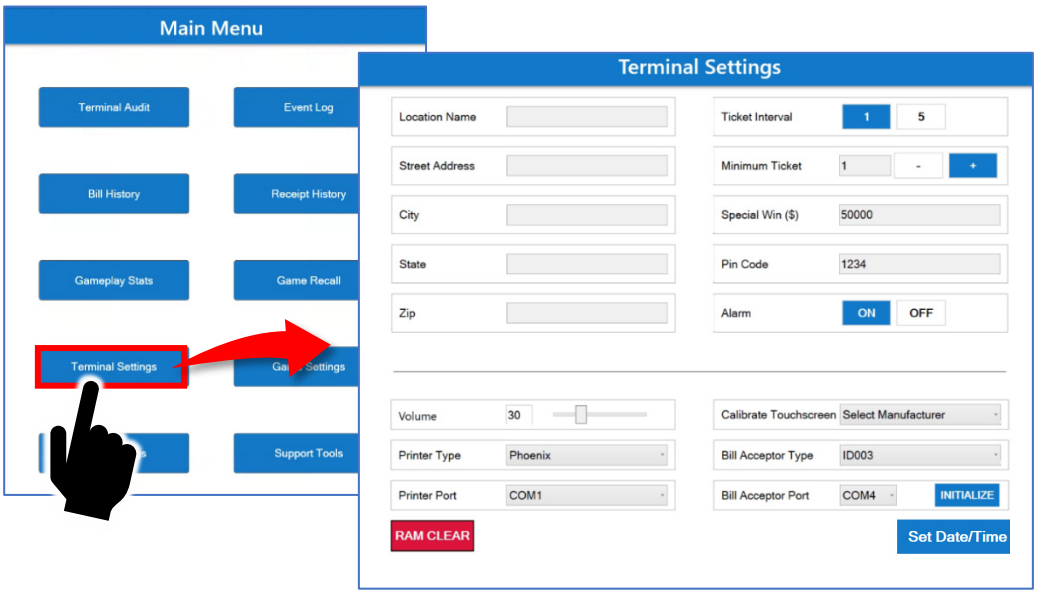


PA7 Menu Settings

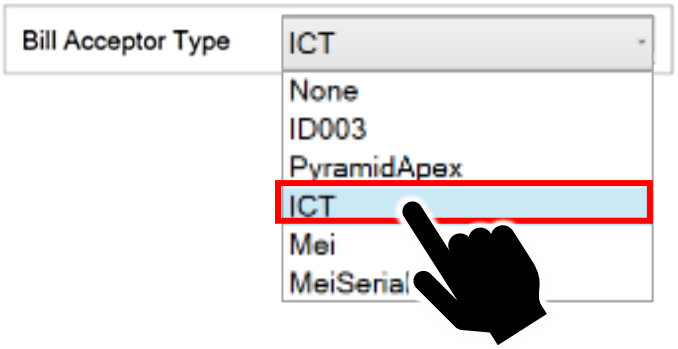
8. Power up the Cabinet or Game Machine and open the Operator Menu via the Operator Key.



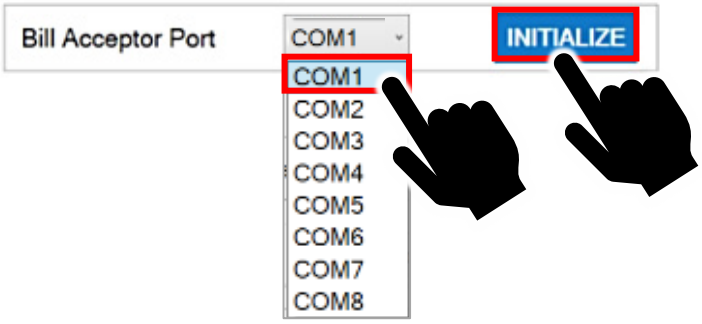
9. In the Operator Menu, Navigate to the Terminal Settings.



10. From the Bill Acceptor Type dropdown, Select ICT.



11. From the Bill Acceptor Port dropdown, Select COM 1 and Tap Initialize.



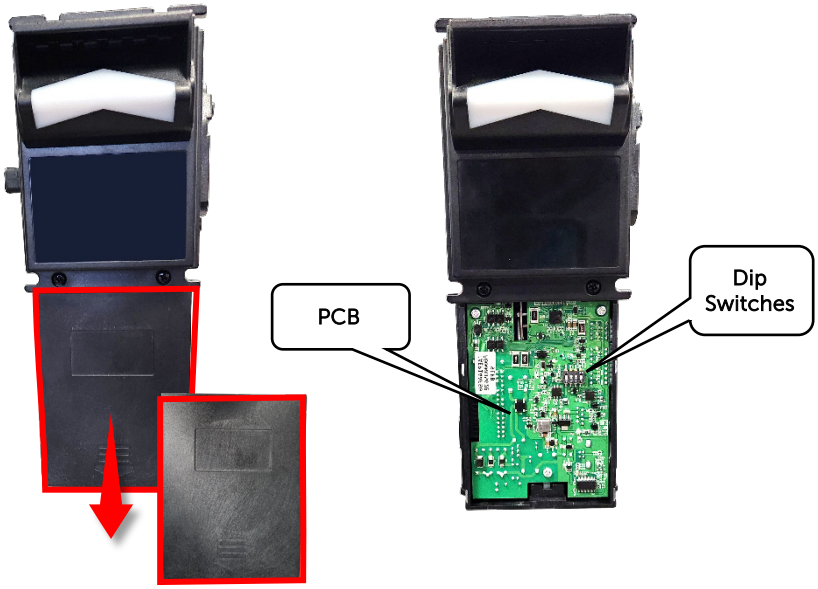
12. Insert Bills to Test the Bill Acceptor.

ICT TAO Dipswitch Settings

There are two sets of dip switches, internal and external, that need to be addressed for Serial Cables to function as well as the Bill Acceptor settings in the Operator Menu.

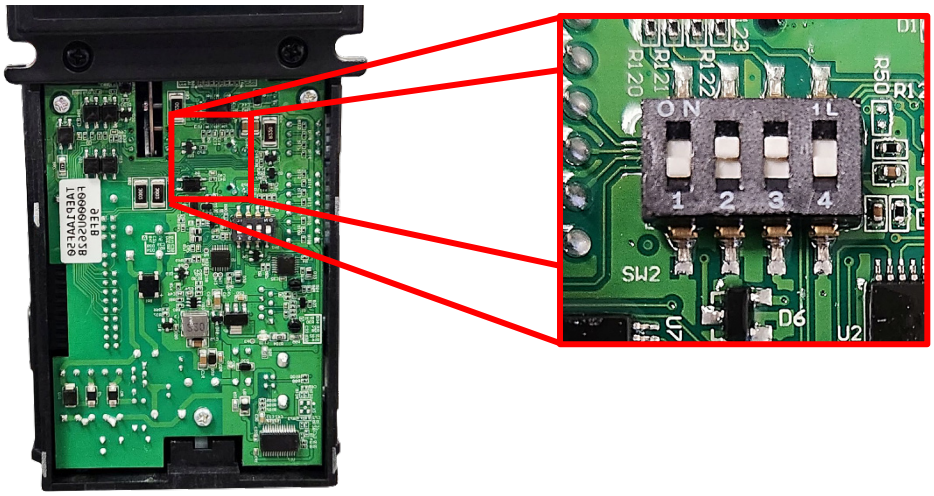
TAO Internal / External Dip Switch Settings

1. Remove the PCB Cover.



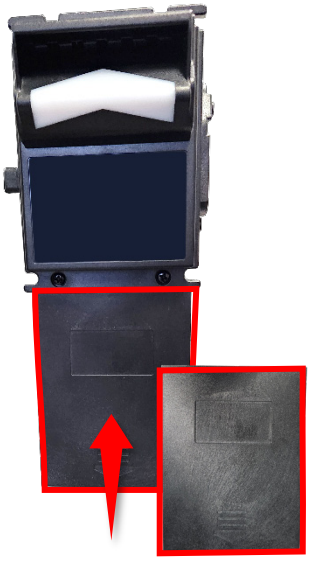
2. Set the Dip Switches to the following settings.
   For more Dip Switch Settings see the chart below.

1	2	3	4
Off	On	On	Off

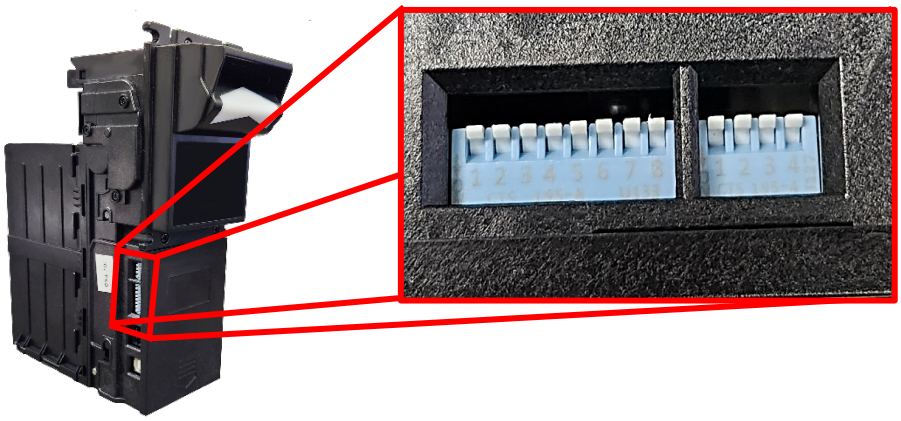


Main 4 Bit Dip Switch Settings				
Function	1	2	3	4
Credit-Pulse Normal HIGH*	On			
ICT Mode	Off	On	On	Off
PULSE Mode		On	Off	
* Not Used in ICT Mode				

3. Replace the PCB Cover.



4. External Dip Switches are set to Off by default.
   The charts below show the Dip Switch positions for various Bill Acceptor settings.

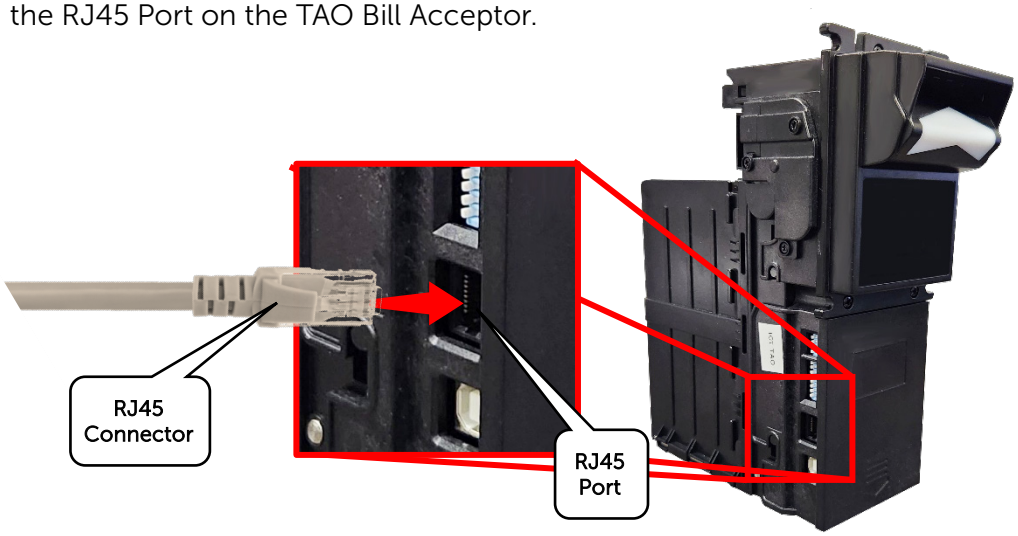


Main 8 Bit Dip Switch Settings									
	Function	1	2	3	4	5	6	7	8
Settings Based on Location Requirements	Reject $1	On							
	Accept $1	Off							
	Reject $5		On						
	Accept $5		Off						
	Reject $10			On					
	Accept $10			Off					
	Reject $20				On				
	Accept $20				Off				
	Reject $50 & $100					On			
	Accept $50 & $100					Off			
	Reserved						Off		
	Harness Disable*							On	
	Harness Enable							Off	
	Inhibit Low Activity								Off
Note: All currency in US Dollars *Only On when connected by Pulse.									

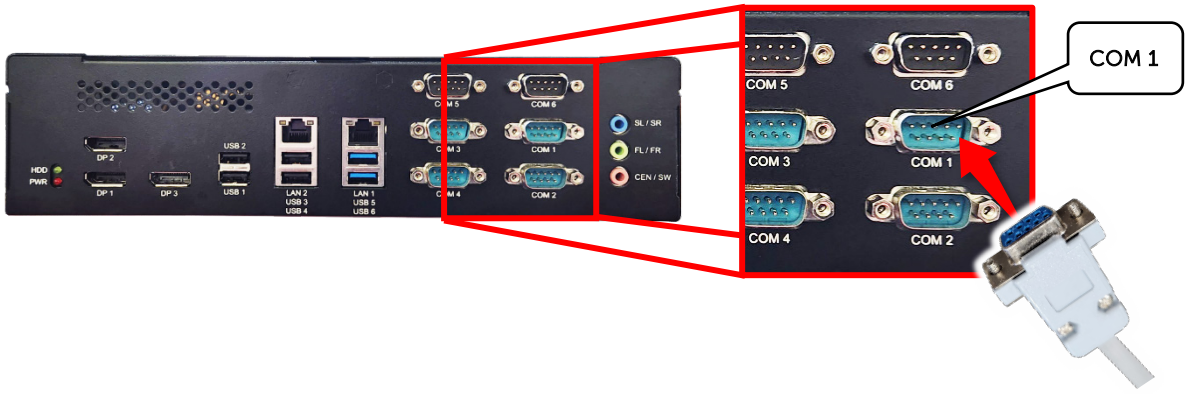
Main 4 Bit Dip Switch Settings				
Function	1	2	3	4
1 Pulse / $1	Off	Off		
Interface Timing Conversion 50ms on/ 50ms off			Off	Off
Note: All currency in US Dollars				

Serial Cable and Power Connections

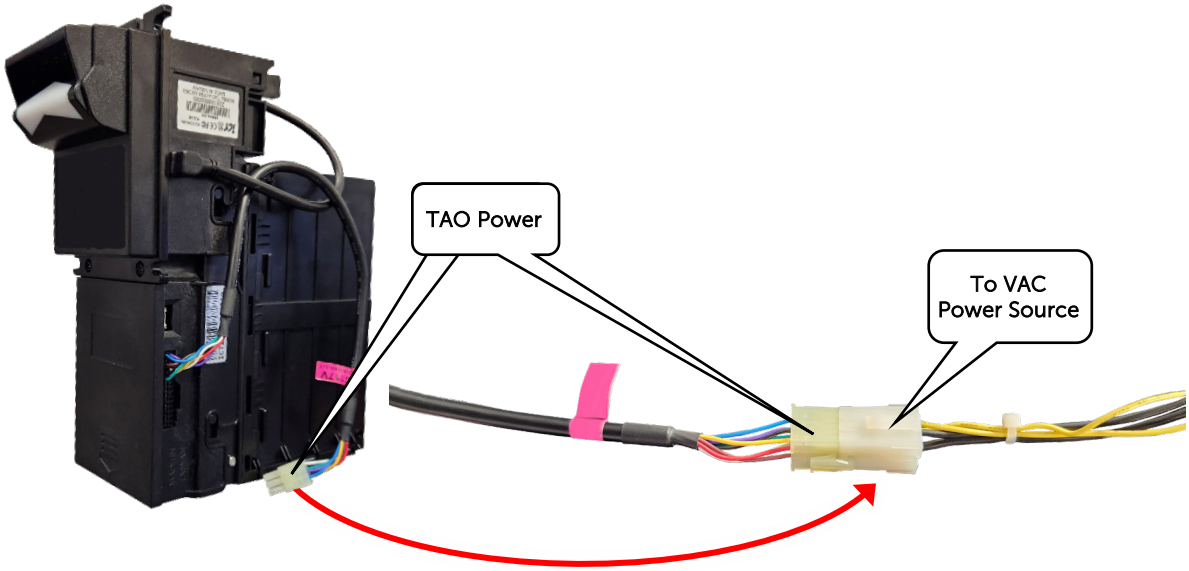
5. Connect the RJ45 connector on the WEL-RV706 Serial Cable to the RJ45 Port on the TAO Bill Acceptor.



6. Connect the DB9 on the WEL-RV706 Serial Cable to COM 1 on the Board.

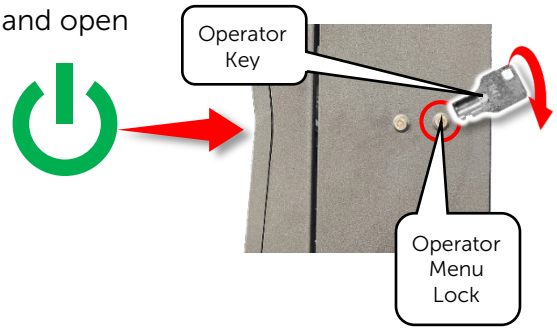


7. Connect the TAO Power cable to the VAC Power Source inside the Cabinet or Game Machine.

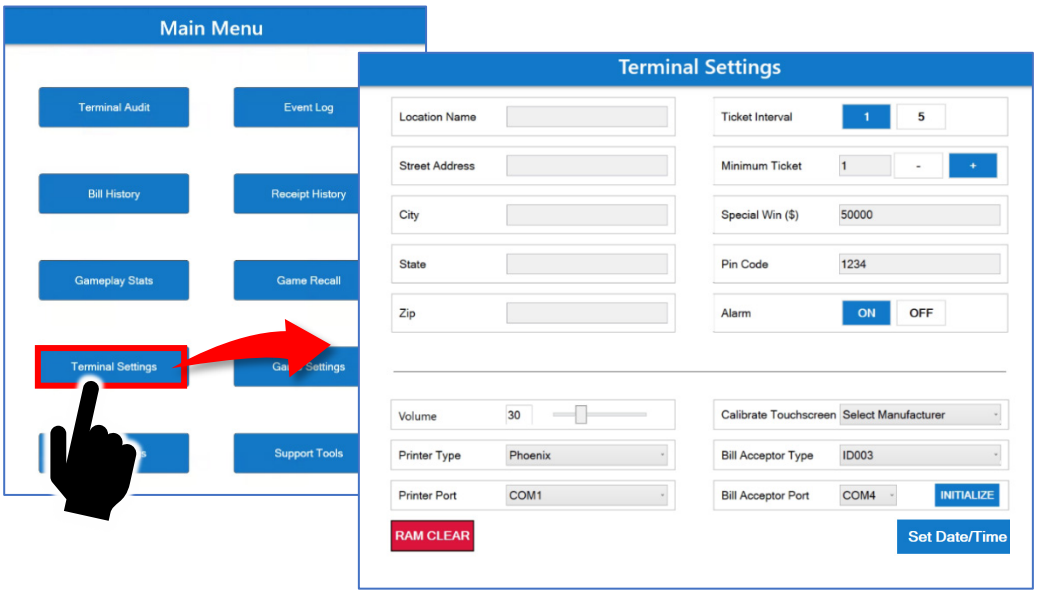


TAO Menu Settings

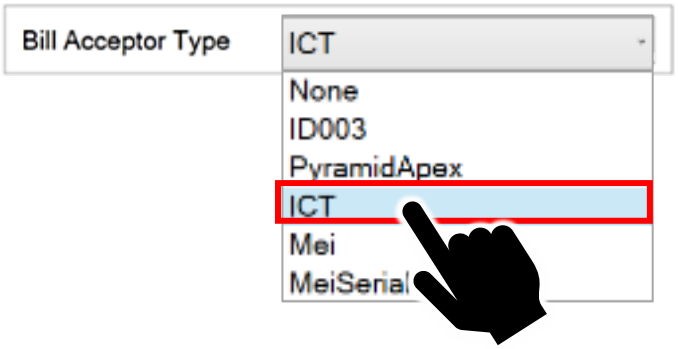
8. Power up the Cabinet or Game Machine and open the Operator Menu via the Operator Key.



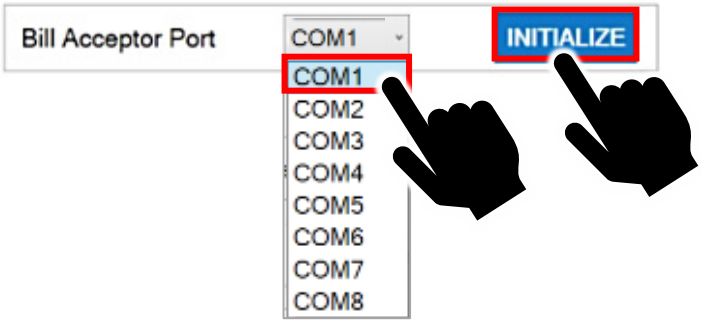
9. In the Operator Menu, Navigate to the Terminal Settings.



10. From the Bill Acceptor Type dropdown, Select ICT.



11. From the Bill Acceptor Port dropdown, Select COM 1 and Tap Initialize.



12. Insert Bills to Test the Bill Acceptor.