



STORM G A M E S

Operator Manual

www.stormgamingtechnology.com



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Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support

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Disclaimer

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Symbols Used in This Guide



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



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

Version	Author / Contributors	Date	Changes / Comments
1.0	Shawn Lucci — Technical Writer Darren Breese — Director of Business Development Erin Skidmore - Sr. SQA Tester II Denise Buckhana — Junior Software QA Charles East — Junior Software QA Apprentice Alex Delapena — Game Programmer David King — Head of Tech Ops/AWS Infra/DevOps	5.13.24	First Edition
1.1	Shawn Lucci — Technical Writer Darren Breese — Director of Business Development	7.23.24	Added Configuration Page functions.
2.0	Shawn Lucci – Technical Writer Robert Curtis – Sr Back End Developer	2.6.25	Added New Screenshots and Functionality.





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Introduction

The Storm Operator Menu system provides a simple and easy method for Operators to navigate and set some basic functions for both the Cabinet and Games installed. The Operator can quickly view Reports on Game Results and Cabinet Events as well as Financials, adjust Game Play and Audit the Game set up.

This Manual will describe all of the available Operator Menus and functions as well as the basic options available to Players.

This document was designed to be used in PDF format but may be printed if necessary. Referential links are in blue font to help the Operator jump to other sections for additional information.

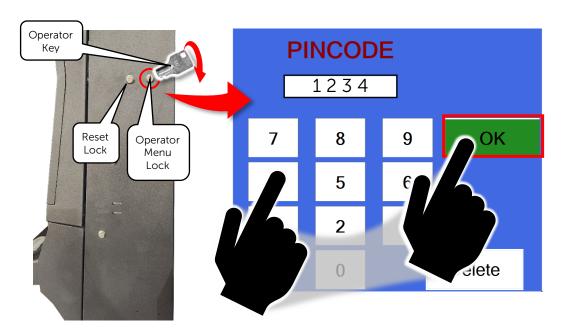
Access

The Operator will need an **Operator Menu Key** (#1247) and Passcode to access the various Menus and Features of the Storm Operator Menu system.

To Access the Operator Menu:



- 1. Insert the Operator Key into the Operator Menu Lock and Turn the Key Clockwise.
- 2. Enter the Pin Code on the Keypad and Tap OK. Default Code = 1234





Warning: Default Pin Codes may be public information and should be changed for improved security.

To change the Default Code, see Pin Code under the Terminal Settings page.

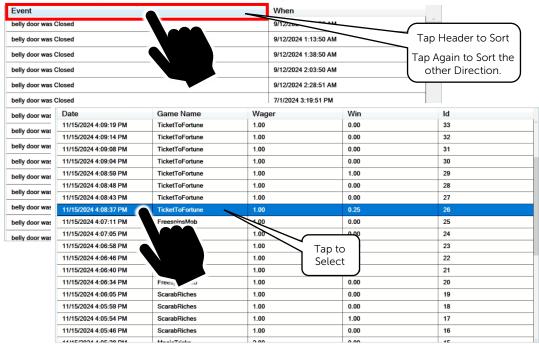


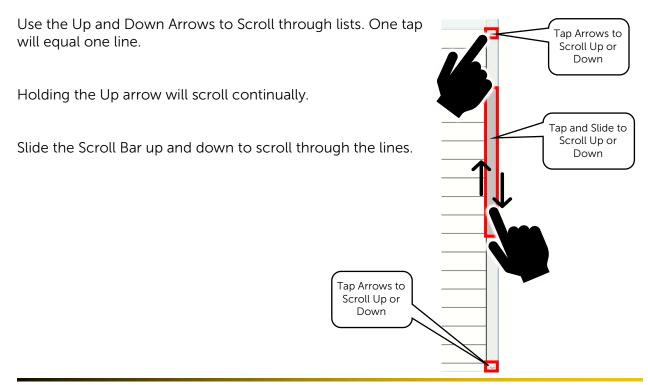


Navigation

The Storm Operator Menu system has a number of common navigational features throughout the various menus and pages.

Tap a Header on a list to Sort the list Ascending Alphanumerically and Tap again to Sort the list Descending. Then Tap a Line to Highlight and Select for more actions.





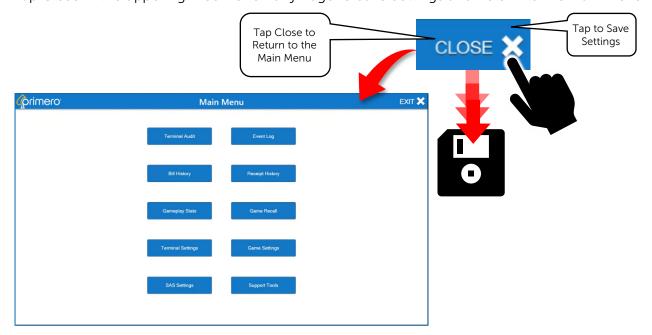






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Tap Close in the upper right corner on any Page to Save Settings and Return to the Main Menu.



Use the Pop-Up Keyboard to Enter Alphanumeric information into various fields.

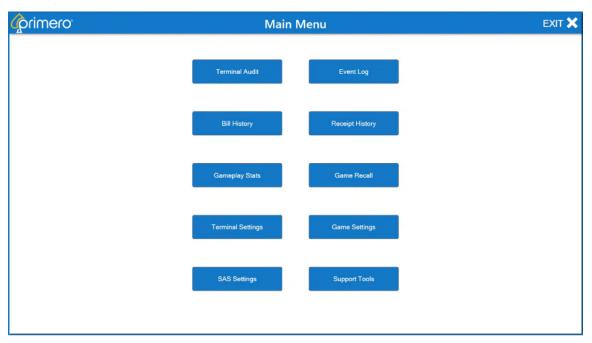






Main Menu

Once logged in, the Main Menu appears. This menu allows access to the various pages and settings within the Storm Operator Menu system.



From the Main Menu, the Operator can access the following:

Terminal Audit (Meters) – Shows the Meter Information readings

Event Log – Displays both Physical Events and Menu Actions taken by the Operator.

Bill History – Provides a list of bills accepted by the Game Machine.

Receipt History – Shows a list of the last 20 printed receipts.

Gameplay Stats – Displays some basic financial and play statistics for the various games.

Game Recall – Shows a list of the wagers and wins for the various games.

Terminal Settings – Allows the Operator to set some parameters for the Game Machine.

Game Settings – Lets the Operator change some of the Game Settings.

SAS Settings – Sets up the Slot Accounting System when applicable.

Support Tools – Helps the Operator access support tools and information.

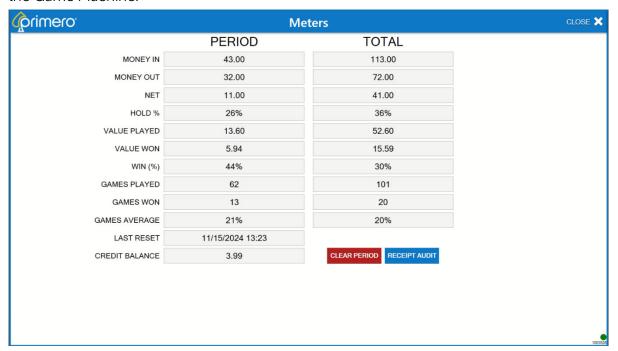


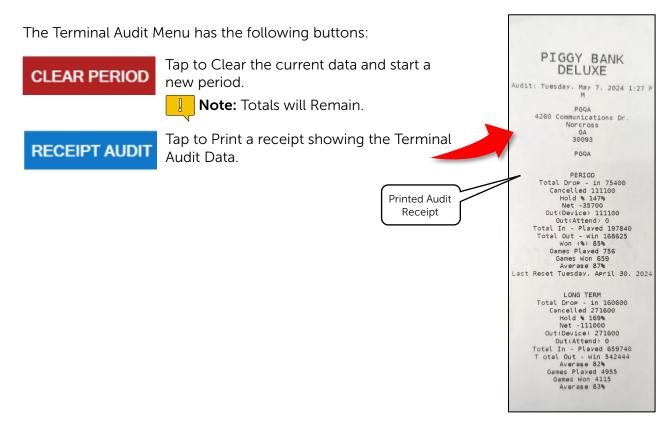


Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support

Terminal Audit (Meters)

The Terminal Audit Menu or Meters Menu displays information read from the Meters inside the Game Machine.









Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support

The Terminal Audit Menu displays the following information:

Money In: Cash or Credit inserted into the Machine over the last period.

Money Out: Cash or Credit paid out to the player.

Net: The net amount of cash or credit retained by the machine after payouts.

Hold %: Is Calculated by dividing the Total Out – Paid by the Total Drop – In multiplied by 100 and Rounded.

For Example, $1610 \div 901 = 1.786 \times 100 = 178.6 \approx 179\%$.

Value Played: The total amount of cash or credits played.

Value Win: The amount of cash or credit paid out to players as winnings.

Win %: Percent of Cash or Credit paid back to the play from winning plays.

Games Played: Number of Games Played in the current period.

Games Won: Number of Games Won in the current period.

Games Average: Percent of Games won from the number of games played.

Last Reset: The Time and Date of the last reset.

Credit Balance: The Players current credit balance.

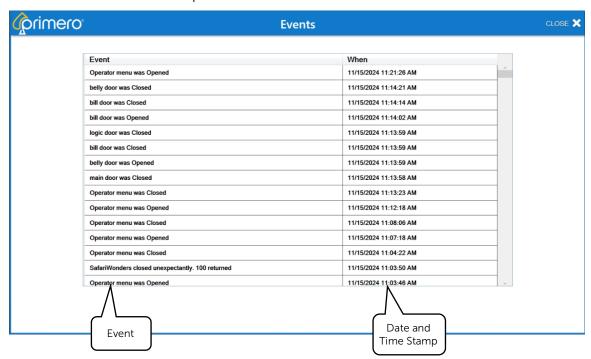






Event Log

The Events Log page displays the various physical actions taken by the Operator triggered by the Intrusion Switches inside the Cabinet and Cabinet Components. It also displays some Menu actions such as accessing the Operator Menu and Clearing of the Credit Timer. Each event is date and time stamped.



The Types of Events displayed are:

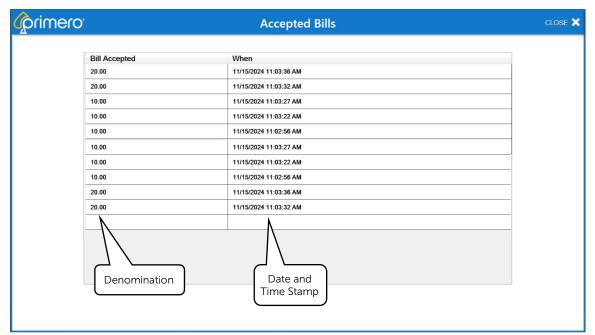
- Physical Cabinet Events
- Menu Events
- Game Events





Accepted Bills

The Accepted Bills page displays any bills accepted by the Bill Acceptor in the form of denominations and the Date and Time the bill was accepted.



The Accepted Bills page shows the following:

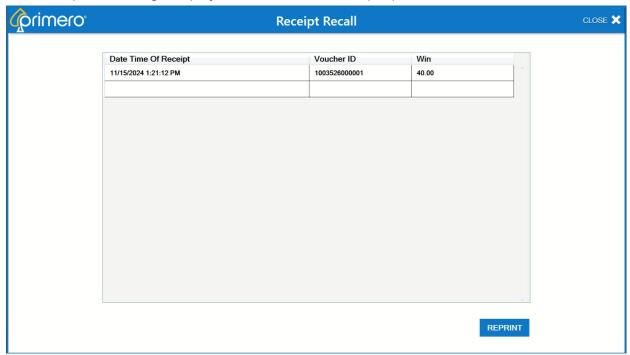
- Bill Accepted
- Date and Time Stamp





Receipt History

The Receipt Recall Page displays the last 20 Win Receipts printed.

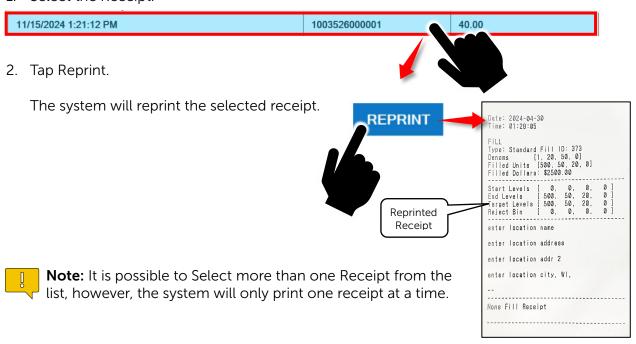


The Receipt Recall Pages shows the following:

- Date and Time of Receipt
- Voucher ID
- Win

To Reprint a Receipt:

1. Select the Receipt.

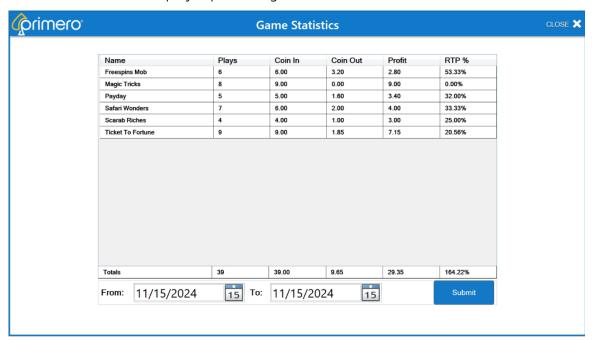






Gameplay Stats

The Game Plays Page displays some basic financial and play statistics for the various games including the number of plays for each game, coin in and coin out as well as the profit collected and return to player percentages.

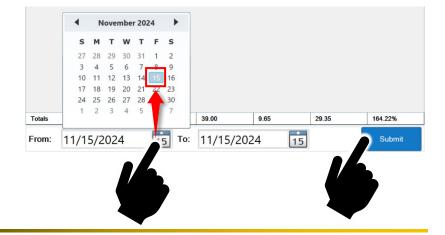


The Game Statistics Page displays the following:

- Name The Name of the Game being played.
- Plays The number of times the game was played.
- Coin In The total amount of credits played in the game.
- Coin Out The total amount of credits won by players.
- Profit The amount of profit collected by the game. (Coin In Coin Out = Profit)
- RTP % A percentage of the amount won verses the amount wagered.
- **Totals** Shows the Totals for each column.

To change the Dates displayed:

- 1. Tap the Calendar Icon.
- 2. Select the Date.
- 3. Tap Submit.



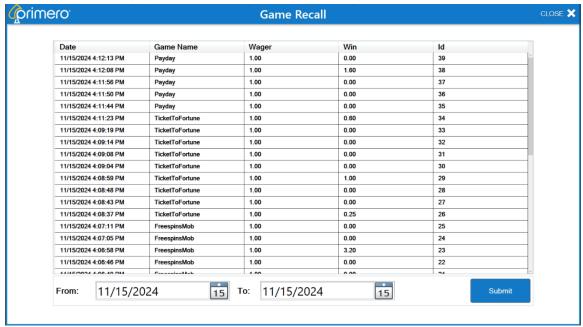




Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support

Game Recall

The Game Recall Page displays information for each play of each game and includes the date and time of the play, game name, wager, win and play ID.

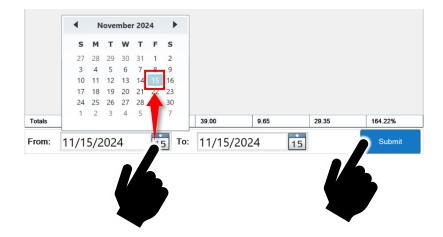


The Game Recall Page shows the following information:

- Date Shows the Date and Time of the Play.
- Game Name Displays the name of the game that was played.
- Wager Shows the amount wagered on the play.
- Win Displays the win amount.
- **ID** Shows the unique numeric identifier of the play.

To change the Dates displayed:

- Tap the Calendar Icon.
- 2. Select the Date.
- 3. Tap Submit.

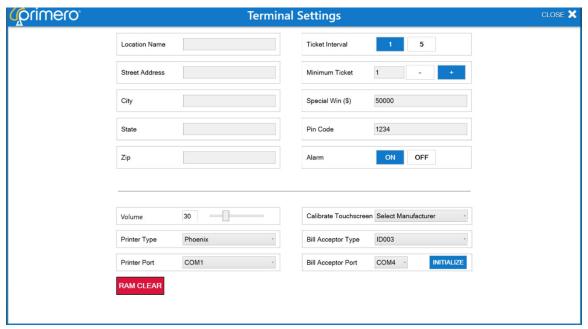






Terminal Settings

The Terminal Settings page allows the Operator to change some Cabinet Component settings such as, Printer settings, Monitor Calibration and change the access Pin Code.



The Terminal Settings page has the following settings:

- Location / Address
- Ticket Interval
- Minimum Ticket
- Special Win
- Pin Code
- Alarm
- Volume
- Printer Type
- Printer Port
- Calibrate Touchscreen
- Bill Acceptor Type
- Bill Acceptor Port
- RAM Clear



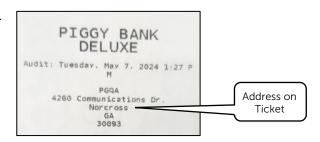


Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support

Address Fields

Sets the Address that appears on Tickets.





Tap a Text Box and use the Pop Up Keyboard to Enter the information.

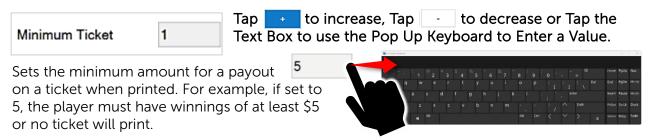


Ticket Interval

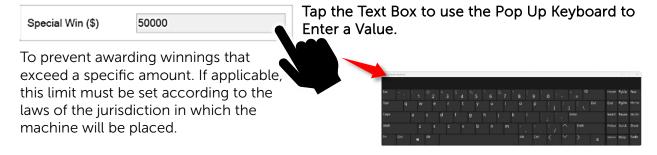
Tap to Select 1 or 5
Sets the amount by which a payout on a ticket will increase and therefore the remaining cash or credit left in the machine when a ticket is printed. For Example, if the Ticket Interval is set to 5 and the player has \$6.50 in winnings, the ticket will only print for \$5, leaving \$1.50 to play in the game.

See Lose Remaining Credit for additional settings.

Minimum Ticket



Special Win



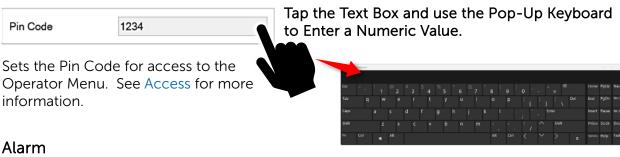




Slide to Set Volume

Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Suppor

Pin Code





Tap to Turn On or Off.

Activates or Deactivates the Door Alarm which is triggered when the Main Door is opened.

Volume



Tap the Text Box to enter a value or Use the Slider to increase or decrease the volume setting.

Sets the Volume for the Game / Cabinets sounds and music.



Printer Type



Tap to open the Printer Type Dropdown and Select a Printer Type.

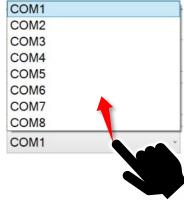


Printer Port



Tap to open the Printer Port Dropdown and Select a Printer Port.

See Appendix A: Printers for supported printers and printer set up.







Calibrate Touchscreen

Calibrate Touchscreen Select Manufacturer

Tap to Select the Manufacturer of the Monitor from the Dropdown and the Calibration settings will automatically open.

This will calibrate the Touch settings for the Selected Monitor.



To Calibrate the Touchscreen Monitor:

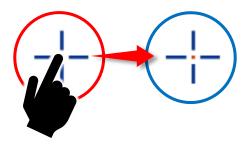
Blue crosshairs with a Red center dot will appear on the screen.

Touch and hold the crosshair and a Red Circle will appear. When the Red Circle turns Blue, the crosshair will move to another part of the screen. Repeat until the screen is calibrated.

Identifying touch devices

Please touch and hold the cross until the circle turns blue

If this is not a touch screen click next with a mouse or type Alt+X

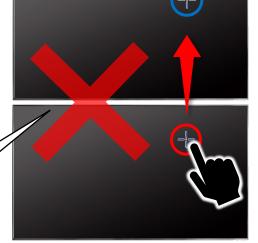




Warning: The system does not support calibration on a Dual Monitor system.

If Selecting a Monitor Manufacturer on a Dual Monitor System, Do Not attempt to calibrate, avoid touching the monitors and allow the calibration settings to Time Out.

If the Game Machine has Dual Monitors that need to be calibrated, please contact Primero Support at **833-503-1724**.



Do Not Calibrate Dual Monitors



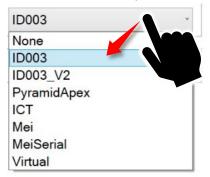


Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support

Bill Acceptor Type

Bill Acceptor Type ID003

Tap the dropdown to select the Bill Acceptor.



Bill Acceptor Port



RAM Clear

Bill Validator set up.

Tap the RAM CLEAR button to perform a RAM Clear on the Game Machine.

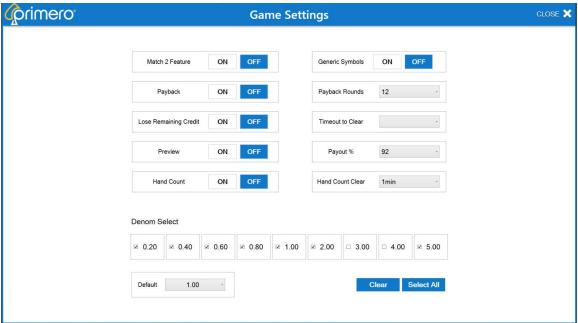
A RAM Clear will reset the game machine's memory, meter information, some configuration settings, and any data stored in the random-access memory.





Game Settings

The Game Settings page allows the Operator to activate features or set some of the Game settings and parameters including skills, payout and denoms.



The Game Settings page has the following settings:

- Match 2 Feature
- Generic Symbols
- Payback
- Payback Rounds
- Lose Remaining Credit
- Timeout to Clear
- Preview
- Payout %
- Hand Count
- Hand Count Clear
- Denom Select
- Denom Default





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Match 2 Feature



Tap to Turn On or Off.

Activates or Deactivates the Match 2 Skill which may be required by some jurisdictions.



Generic Symbols



Tap to Turn On or Off.

When turned on the game will display generic symbols in place of the Game Specific symbols on the Reels.





Payback



Tap to Turn On or Off.

Pay-Back Skill Game

Pay-Back is a feature of some games that allows the player to win back the amount of credits or cash lost on a particular play by completing a skill or set of skills.



Payback Rounds



Tap the Dropdown to Select the Number of Rounds.

Sets the number of Rounds for the Payback game.







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Lose Remaining Credit



Any amount to be collected that is lower than the Ticket Hand Value that is not paid to the player. For example, if the player has \$0.10 left in the gaming machine and the Ticket Value is set to \$0.25, they lose \$0.10.

Timeout To Clear



Tap the Dropdown to Select a Value.

olayable amount left in 3min

4min

5min

Sets the time limit (in seconds) after which an unplayable amount left in the gaming machine is lost.

An unplayable amount is defined as an amount lower than the minimum credit value for each of the games, including the system base value.

For example, if the smallest playable amount is \$0.25 and the gaming machine contains \$0.10, the player must insert money within the time limit or the \$0.10 is lost to the player and the gaming machine goes back to \$0.00.

Preview



Tap to Turn On or Off.

Activates the Potential Win Preview, which lets the player know in advance the next prize available to win.

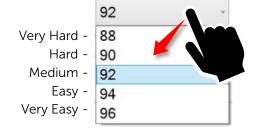
YOU CAN WIN \$3.00

Payout %



Tap the Dropdown to Select the Payout Percent.

The Payout Percentage setting for a game reflects the Return to Player Percentage or RTP for the games. The higher the difficulty the lower the RTP.







Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support

Hand Count



Tap to Turn On or Off.

When active, the Hand Value will Increment with each game played.

Hand Count Clear



Tap the Dropdown to Select the time to Clear the Hand Count.

Sets the count down time to lose the hand from when the game has been idle for 3 minutes.

For example, if the Hand Count Clear is set to 1 minute and the player steps away from an active game leaving the game idle, after 3 minutes passes a 1 minute count down will start and clear the players hand once it reaches zero.



Denom Select

Denom Select Tap each Check Box to enable a Denom.

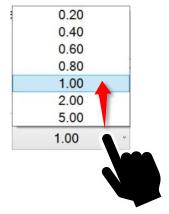


Denom Defualt



Tap the Dropdown to Select the Default Denom.

This will set the default denomination for game play.







SAS Settings

The SAS Page allows the Operator to set up the Slot Accounting System when applicable.



The SAS Page has the following settings:

- Terminal #
- Serial Port
- Serial Number
- Enabled Game Numbers





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Terminal

Terminal #: 0

Tap the Text Box to use the Pop Up Keyboard to Enter a Value.



This is the number the SAS Host or Site Controller determines as the Terminal ID and is set to a value between 0 and 127.

Entering 0 will Disable the SAS system.



Serial Port

Serial Port:

Tap the Dropdown and Select the Serial Port.

Sets the Port on the machine to which the SAS Host will communicate.

SAS will use ports 1-6

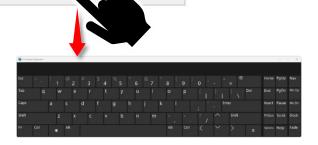


Serial Number

Serial Number:

Tap the Text Box to use the Pop Up Keyboard to Enter a Value.

The unique number generated by the SAS Host for TITO or AFT.



Enabled Game Numbers

Enabled Game Numbers: 1,2,6,8,9,13,14,15,16

Tap the Text Box to use the Pop Up Keyboard to Enter a Value.

The Game ID numbers to which SAS will be applied.



Warning: Do Not Change these values unless instructed to do so as this may the SAS reporting system to malfunction.







Support Tools

The Support Tools page is employed by Operators for some support functions of the Game Machine such as internet and remote support as well as updates and system reboot.



The Support Tools page has the following buttons:

- Internet Status
- Wifi Setup
- Check for Updates
- AnyDesk
- Reboot

Internet Status



Displays the status of the Internet or WiFi connection.





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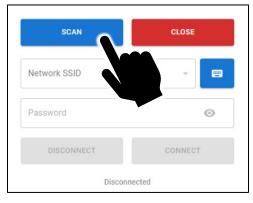
WIFI Setup



Tap to set up a Wi-Fi Connection.

Connects the Cabinet to a Wi-Fi internet connection.

1. Tap Scan to locate the available Wi-Fi connections.



2. Tap the Network SSID dropdown and select the appropriate Network connection.



3. Tap the Keyboard Icon to open the Keyboard.

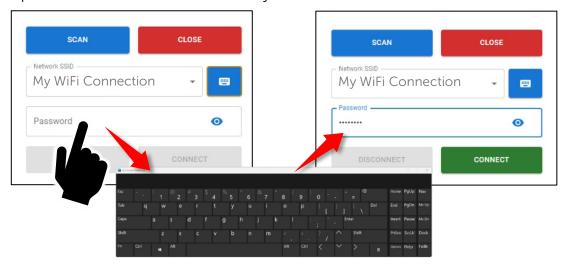






Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support

4. Tap the Password Field and Use the Keyboard Enter the SSID Password.



5. Tap Connect and the system will connect to the Selected Wi-Fi connection.



Check for Updates



Tap to Check for recent Updates.



When tapped, the button will indicate if an Update is available.





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AnyDesk



Tap to View the Remote Connection address.

This address is used by Support Technicians for remote connections during support calls.



Reboot



Tap to Reboot the Machine.

This does not perform a RAM Clear, it will only Reboot the Machine.





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Player Menu

Player Menu buttons may appear different on the various games, but functionality should remain the same.



Play or Spin button – Tap to engage one play or spin of the Reels.



Autoplay or Auto-Spin – Tap to continually spin the reels. The Autoplay Counter will appear and count down from 99 spins. Tap again to stop.



Play Amount – The Amount of credit or cash played for each spin of the reels. Tap to Increase or Tap to Decrease.



Preview – Tap to know in advance the next prize available to win.

YOU CAN WIN \$3.00

Player Settings – Tap to access available player settings.

Tap to Mute Sounds

Tap to Mute Music

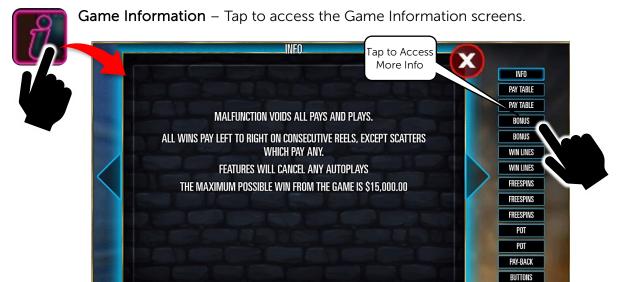
Tap to Close Settings

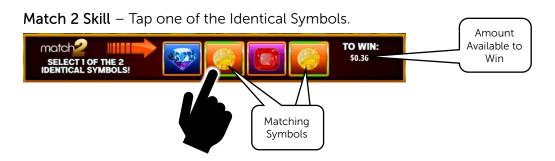


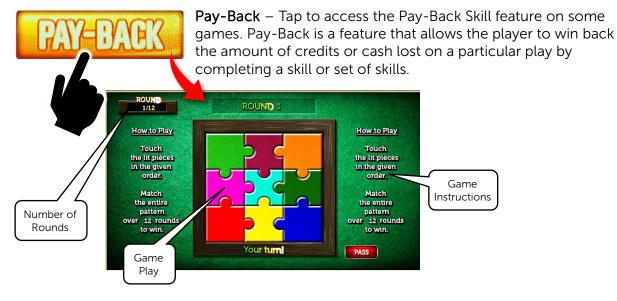




Terminal Audit | Event Log | Bill History | Receipts | Gameplay | Game Recall | Terminal Settings | Game Settings | SAS | Support









Exit Game – Tap to exit the Game and Collect winnings.





Appendix A: Cabinet Set Up

For Storm on EFCO 8657

Bill Acceptors

Innovative NV200 on Serial - Connect to Any Valid COM Port. ID003_V2 Select COM4 from the Bill Acceptor Port dropdown and Select

JCM UBA on Serial - Connect to Any Valid COM Port. ID003_V2 Select COM4 from the Bill Acceptor Port dropdown and

Pyramid Apex 7600 USA on Serial - Connected to COM3. Select PyramidApex from the Bill Acceptor dropdown and Select COM3 from the Bill Acceptor Port dropdown. Firmware: USA 1.16 SS5.

Cables

180038 Bill Acceptor - UBA Data Cable (Rev. B) 180081 Bill Acceptor - NV200 Cable Harness 530310 Cable - Pyramid Apex 7600, TTL RS232 [8 ft], ["MEI Bypass"]

Printers

Printers can be connected to any USB port on the EFCO PC.

Pyramid Reliance on USB - Firmware: 1.55 Sen **Pyramid Phoenix on USB** - Firmware: 1.15 PHX Phoenix Sen 2.0 with Dip Switches 1-3 set to the on position and 4 set to the off position.

Hard Drive Requirements

Transcend 256GB TS256GMTE712P-PRI

