

TITO@Home

System

Install and Settings

Manual

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Connecting cable to TITO@Home System

Connect the red connector on the cable to the board as shown in the photo below:
This photo is of the Wi-Fi Ready version, but the cable plugs into the same port the same way on all recent versions.



Ainsworth TITO@Home Setup

Connect the TITO @ Home to COM1 on the backplane



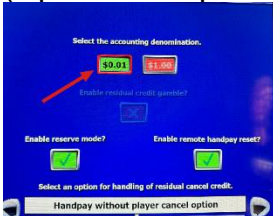
Connect the USB power to a power brick or run it through to the MPU USB port



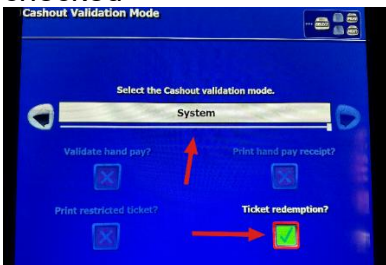
Perform a clear by shutting off the machine and putting switches 1 and 2 down then booting the machine.

After instructed, put the 1 and 2 switch in the up position. Machine will reboot and take you into setup.

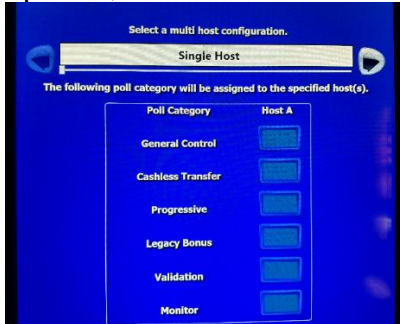
The steps listed in this document are only for the TITO portion of the install.
(Optional But preferred). Set Accounting Denomination to \$0.01



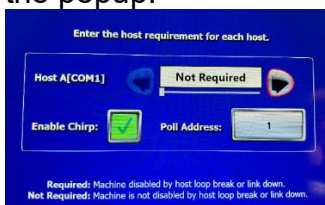
Change "Cash Out Validation Mode" to "System" and make sure "Ticket Redemption" is checked



Keep Multi-Host Configuration set to “Single Host”. You won’t be able to select any options, but that is normal. Just click Next.



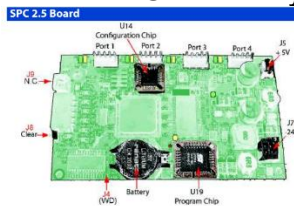
Host Requirement, Host A[COM1] Change to “Not Required” and make sure “Enable Chirp” is checked and Poll Address is set to 1. You will get a warning, just click YES on the popup.



Aristocrat GEN 7 and newer TITO@Home Setup

Older than Version 5.08 Software with SPC Board

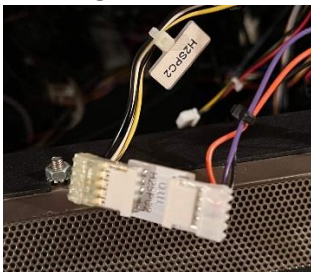
- 1) Unplug connector H0 from the SPC board in the machine.
- 2) Connect the white plug from the TITO cable to port P4 on your SPC2.5 board.
- 3) NOTE: Make sure you are using correct voltages and pin polarity on SPC power ports. Both versions of SPC boards use a different voltage and will destroy the SPC board if you plug the wrong voltage in to it for powering that up.



The harness from the gaming machine should be plugged into P2 for the SPC2.5

Version 5.08 or newer software (Does not require SPC board)

- 1) Connect the white connector on the TITO cable to the TITO side of the splice board included in your package.
- 2) Connect the H2SPC2 connector from the wire harness in the machine to the H2SPC2 connector on the splice board included in your TITO package.



NOTE: If you have a Helix XT machine the plug will actually be H2SPC4 for the marking. The wires on this connector are in a different order, so to get the machine to work you will either need to modify the harness in the machine or the TITO harness to get the wiring to match. The wires that need to be swapped are the Black/White wire and the Yellow/Black wire need to be swapped with each other on the machine side harness. I do not have the harness to see which wires those match up with on the TITO harness, but if you need to modify that one it would be the two wires that correspond to that set of wires on the machine side.

Aristocrat Settings (all supported versions)

- 1) Your cable came with a USB power plug, connect the power plug to a USB port or the supplied A/C to USB power brick to get power.
- 2) Go through the clear or set chip process required to get to all settings on your machine. Set up all standard settings needed as well as the following settings that are specific to TITO.

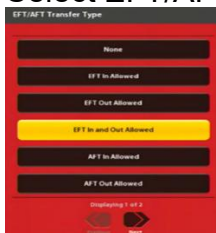
- 3) Step on set the jurisdiction to one that defaults to SYSTEM type validation like Columbia or Argentina and make sure you change the currency type to match the currency you use like US Dollar.



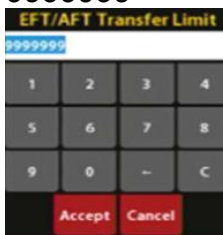
- 4) Save the setting. Note: If you don't do this the other mandatory options won't present themselves in audit system soft setup to achieve features like legacy bonusing that enable a user to press the service button in order to add credit to the credit meter once everything is setup and configured.
- 5) Select currency option to (USA) Dollar (\$) or whatever currency you are using.
- 6) Select Credit Value or Multiplier to \$0.01.
- 7) Select Value of 1 Coin to \$0.01.



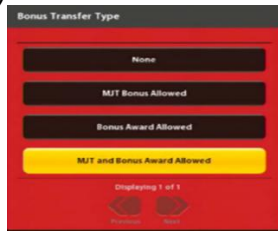
- 8) Select EFT/AFT Transfer Type to EFT In and Out Allowed.



- 9) Select EFT/AFT Transfer Limit to max \$99999.99 which is entered simply 9999999

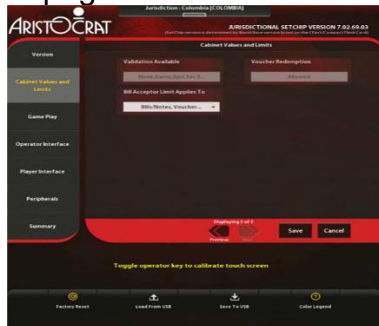


10) Select Bonus Transfer Type to MJT and Bonus Award

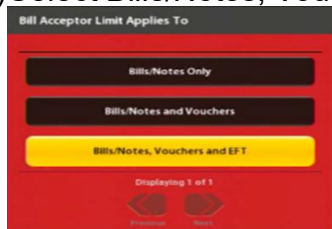


11) If using Columbia Jurisdiction set EGM Disable on COM Timeout to Disabled on 1st page.

12) Select the arrow on the right at the bottom of the screen on 1st page to advance to page 3.



13) Select Bills/Notes, Vouchers and EFT to set the option.



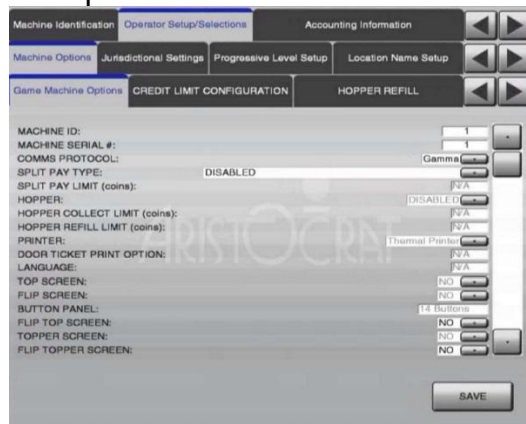
14) Select the Save button at the bottom right of the Cabinet Values and Limits screen.



Note: All Aristocrat Game Kits for Gen 7 and newer (YOU MUST LOOK AT YOUR SOFTWARE KITS TO MAKE SURE THE WORLDBASE, OR USA PLATFORM, OR NSW VERSION IS BELOW V5.08)

Audit screen settings for versions 5.07 and below with an SPC board

- 1) Set MACHINE ID: To a value of 1.
- 2) Set MACHINE SERIAL # to a value of 1 & COMMS PROTOCOL TO GAMMA & CLICK THE SAVE BUTTON BELOW.
- 3) Set the BILL ACCEPTOR to whatever your EGM (Electronic Gaming Machine) requires for KRANE/MEI/MARS choose the EBDS Option from the pull-down menu. Tap the screen object to select it and display those options.
- 4) Set the TOUCH SCREEN to whatever your EGM (Electronic Gaming Machine) requires. It is most of the time Zytronic USB but has options for HID (Human Interface Device) USB, or Serial RS232.
- 5) Set the Printer (NOTE THIS IS MANDATORY TO ENABLE STAND ALONE TITO ON ATI REGARDLESS OF WHETHER YOU ARE SETTING UP SPC or NON SPC METHODS) it cannot be set to none. If the option you choose does not initialize then select another option until you see no lockup alert shown.



- 6) Click Save.



- 7) Go to the BILL/VOUCHER OPTIONS TAB UNDER Operator Setup/Selection – Machine Options sub menu as shown.
- 8) Leave EXCESSIVE BILL REJECT: to a state of Disabled.
- 9) Set MAX BACC LIMIT: to whatever you desire but make sure it matches what you set in the Set chip setup.
- 10) Set the ACCEPT VOUCHERS: option to YES as shown.
- 11) Set the VOUCHER IN LIMIT: option to the same value as Set chip and MAX BACC LIMIT as shown.
- 12) Set the VOUCHER OUT LIMIT: option to the same value as Set chip, VOUCHER IN LIMIT and MAX BACC LIMIT.
- 13) Set the PRINT PROMO TICKETS: option to YES.

- 14) Set the VALIDATION: option to System Generated as shown.
- 15) Set the BAR CODE: option to Interleaved 2of5* as shown.
- 16) Set VOUCHER LAYOUT TYPE: option to Basic Layout and leave the defaults options that remain as shown.
- 17) CLICK THE SAVE BUTTON BELOW. Tap screen to select object.

- 15) Go to the BILL/VOUCHER OPTIONS TAB UNDER Operator Setup/Selection – Machine Options sub menu as shown.

- 1) Under EFT/AFT/BONUS OPTIONS set BONUS TRANSFER MODE: option to Legacy Enabled.
- 2) Select Enabled as the option for BONUS MJT MODE.
- 3) Select EFT/AFT TRANSFER IN MODE: options to Enabled.
- 4) Select EFT/AFT TRANSFER OUT MODE: options to Enabled.
- 5) Set the EFT/AFT TRANSFER LIMIT: options to whatever you set the Set chip, VOUCHER IN LIMIT and MAX BACC LIMIT to. It's easier for setting this up if you stay with the same values for each option set.
- 6) CLICK THE SAVE BUTTON BELOW. Tap screen to select object.

- 16) Go to Operator Setup/Selections – SPC Configuration Tab to set the gamma options needed to support standalone TITO.

- 1) Set SPC ID NUMBER: option to a value of simply 1 and nothing else.
- 2) Set the HAND PAY MODE to Basic Hand pay Reporting – Important this is mandatory for standalone TITO to work.
- 3) Set the SINGLE/DUAL PORT: option to Single Port from the drop-down menu.
- 4) Set the EFT/AFT: option to Port 0
- 5) Set the PROGRESSIVES: option to Port 0
- 6) Set the SYSTEM BONUSING: option to Port 0 (This allows the free play option to add credits instead of Tickets)
- 7) Set the VALIDATION: option to Port 0

- 8) Set the GENERAL CONTROL: option to Port 0
- 9) Set the ACCOUNTING DENOM: option to whatever you want the EGM (Electronic Gaming Machine aka Slot Machine) to add for free play credit. The value of .01 will add \$100 per service button press at max free play selection on TITO board by default. .05 will add \$500 per service button press, a value here of \$1 dollar will add \$10,000 per service button press. Choose what suits you.
- 10) Set SAS Meter Change Notification Support – A0 to ENABLED as shown.
- 11) CLICK THE SAVE BUTTON BELOW. Tap screen to select object.

The screenshot shows the 'SPC Configuration' tab of the Aristocrat machine configuration interface. The 'GENERAL CONTROL' is set to 'Port 0' and the 'ACCOUNTING DENOM' is set to '\$10.00'. The 'SAS Meter Change Notification Support - A0' is set to 'ENABLED'. The 'Host Down Action' is set to 'Gameplay Allowed'. The 'SAVE' button is visible at the bottom right.

Field	Value
HW Id:	"SPC-2.5"
Firmware Id:	"GMBIS2.5M"
Firmware Ver.:	"02.06.09"
Firmware Name:	"GemBS25M GemPBESSAS"
Floor Location:	"
FPGA HW Version:	"N/A"
HW IDTimeStamps:	"N/A"
SPC ID NUMBER:	1
HAND PAY MODE:	Basic Handpay Reporting
SINGLE/DUAL PORT:	Single Port
EPT/AFT:	Port 0
PROGRESSIVES:	Port 0
SYSTEM BONDING:	Port 0
VALIDATION:	Port 0
GENERAL CONTROL:	Port 0
ACCOUNTING DENOM:	\$10.00
SAS Meter Change Notification Support - A0	ENABLED
Host Down Action	Gameplay Allowed

Buttons: Clear SPC Memory, SAVE

Audit screen settings for versions 5.08 and above without SPC board

- 1) Set MACHINE ID: To a value of 1
- 2) Set MACHINE SERIAL # to a value of 1 & NOTICE THERE IS NO COMMS PROTOCOL OR GAMMA OPTION IN THE NON SPC METHOD. (THIS IS BECAUSE THE EGM aka Slot Machine detects the World base or other base is higher than v5.08 and now supports NATIVE SAS verse the ASAS (Aristocrat SAS Protocol which uses RS432 vs RS232).
- 3) CLICK THE SAVE BUTTON BELOW.

The screenshot shows the 'Game Machine Options' screen for an Aristocrat machine. The 'MACHINE ID' is set to 1. The 'MACHINE SERIAL #' is set to 1. The 'SPLIT PAY TYPE' is set to 'DISABLED'. The 'SPLIT PAY LIMIT (coins)' is set to 'N/A'. The 'HOPPER' is set to 'DISABLED'. The 'HOPPER COLLECT LIMIT (coins)' is set to 'N/A'. The 'HOPPER REFILL LIMIT (coins)' is set to 'N/A'. The 'PRINTER' is set to 'Thermal Printer'. The 'DOOR TICKET PRINT OPTION' is set to 'N/A'. The 'LANGUAGE' is set to 'N/A'. The 'TOP SCREEN' is set to 'YES'. The 'FLIP SCREEN' is set to 'NO'. The 'BUTTON PANEL' is set to '13 Buttons'. The 'FLIP TOP SCREEN' is set to 'NO'. The 'TOPPER SCREEN' is set to 'NO'. The 'FLIP TOPPER SCREEN' is set to 'NO'. The 'ONSCREEN CLOCK SETTINGS' are set to 'Not supported'. The 'HIDE VBO SERVICE BUTTON' is set to 'NO'. The 'SAVE' button is at the bottom right.

- 4) Set the BILL ACCEPTOR to what ever your EGM (Electronic Gaming Machine) requires for KRANE/MEI/MARS choose the EBDS Option from the pull down menu. If you have a BILL ACCEPTOR like JCM you'll see the option ID003 which is what must selected. This document demonstrated both MEI and JCM for the purposes of showing two options. Tap the screen object to select it and display those options.
- 5) Set the TOUCH SCREEN to what ever your EGM (Electronic Gaming Machine) requires. It is most of the time Zytronic USB but has options for HID (Human Interface Device) USB as shown in this image below, or Serial RS232.
- 6) Set the Printer (NOTE THIS IS MANDATORY TO ENABLE STAND ALONE TITO ON ATI REGARDLESS OF WHETHER YOU ARE SETTING UP SPC or NON SPC METHODS) it cannot be set to none. If the option you choose does not initialize then select another option until you see no lockup alert shown.

8) CLICK THE SAVE BUTTON BELOW tap the screen object to invoke.

- 9)
- 10) Go to the BILL/VOUCHER OPTIONS TAB UNDER Operator Setup/Selection – Machine Options sub menu as shown. 2. Leave EXCESSIVE BILL REJECT: to a state of Disabled.
 - 11) Set MAX BACC LIMIT: to whatever you desire but make sure it matches what you set in the Set chip setup.
 - 12) Set the ACCEPT VOUCHERS: option to YES as shown.
 - 13) Set the VOUCHER IN LIMIT: option to the same value as Set chip and MAX BACC LIMIT as shown. 6. Set the VOUCHER OUT LIMIT: option to the same value as Set chip, VOUCHER IN LIMIT and MAX BACC LIMIT.
 - 14) Set the PRINT PROMO TICKETS: option to YES
 - 15) Set the VALIDATION: option to System Generated as shown
 - 16) Set the BAR CODE: option to Interleaved 2of5* as shown.
 - 17) Set VOUCHER LAYOUT TYPE: option to Basic Layout and leave the defaults options that remain as shown.

19)CLICK THE SAVE BUTTON BELOW. Tap screen to select object.

Machine Identification	Operator Setup/Selections	Accounting Information	Diagnostics Information	Test/Diagnostics Mode	Miscellaneous	Current Lookup
Machine Options	Jurisdictional Settings	Link Progressive Level Setup	Location Name Setup	Real Time Clock Setup	Sound System Setup	
HOPPER REFILL	GAME CONFIGURATION OPTIONS	EFT/AFT/BONUS OPTIONS	BILL/VOUCHER OPTIONS	Device Driver Options		

EXCESSIVE BILL REJECT:	Enabled
MAX BACC LIMIT:	\$9999999.00
ACCEPT VOUCHERS:	YES
VOUCHER IN LIMIT:	\$9999999.00
VOUCHER OUT LIMIT:	\$9999999.00
PRINT PROMO TICKETS:	NO
HPI/P RECEIPTS:	N/A
VALIDATION:	System Generated
BAR CODE:	Interleaved 2of5
VALIDATION LENGTH:	SYSTEM
VOUCHER LAYOUT TYPE:	Basic Layout
VOUCHER EXPIRATION:	No Expiration
ACCEPT \$1 BILLS:	YES
ACCEPT \$5 BILLS:	YES
ACCEPT \$10 BILLS:	YES
ACCEPT \$20 BILLS:	YES
ACCEPT \$50 BILLS:	YES
ACCEPT \$100 BILLS:	YES

SAVE

20)

21)Go to the BILL/VOUCHER OPTIONS TAB UNDER Operator Setup/Selection – Machine Options sub menu as shown.

22)Under EFT/AFT/BONUS OPTIONS set BONUS TRANSFER MODE: option to Legacy Enabled

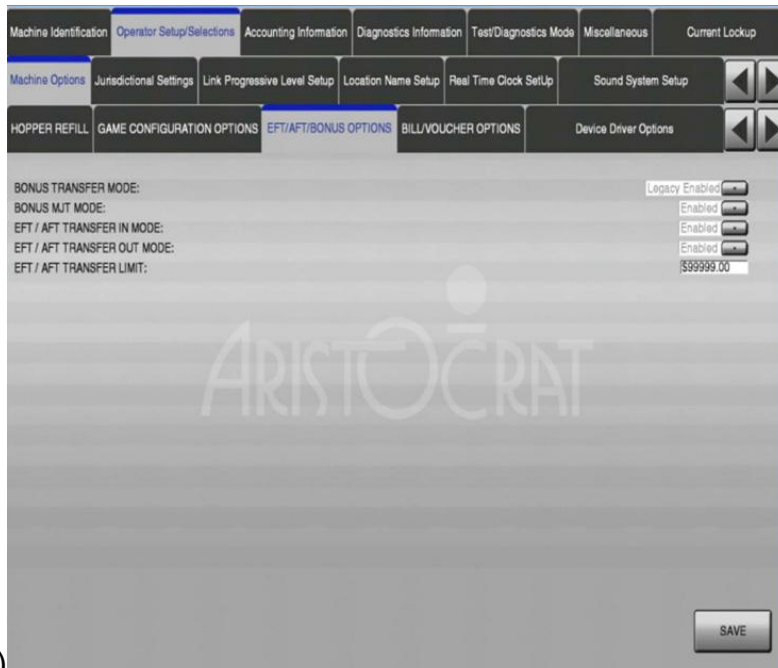
23)Select Enabled as the option for BONUS MJT MODE:

24)Select EFT/AFT TRANSFER IN MODE: options to Enabled.

25)Select EFT/AFT TRANSFER OUT MODE: options to Enabled

26)Set the EFT/AFT TRANSFER LIMIT: options to whatever you set the Set chip, VOUCHER IN LIMIT and MAX BACC LIMIT to. It's easier for setting this up if you stay with the same values for each option set.

27)CLICK THE SAVE BUTTON BELOW. Tap screen to select object.



- 28)
- 29) Go to Operator Setup/Selections – Comms Configuration Tab to set the gamma options needed to support SA TITO.
- 30) Set SPC ID NUMBER: option to a value of simply 1 and nothing else.
- 31) Set the HAND PAY MODE to Basic Handpay Reporting – Important this is mandatory for SA TITO to work.
- 32) Set the Number of Ports: option to Single Port from the drop-down menu.
- 33) Set the ACCOUNTING DENOM: option to whatever you want the EGM (Electronic Gaming Machine aka Slot Machine) to add for free play credit. The value of .01 will add \$100 per service button press. .05 will add \$500 per service button press, a value here of \$1 dollar will add \$10,000 per service button press. Choose what suits you.
- 34) Set SAS Meter Change Notification Support – A0 to ENABLED as shown.
- 35) CLICK THE SAVE BUTTON BELOW. Tap screen to select object.

Machine Identification	Operator Setup/Selections	Accounting Information	Diagnostics Information	Test/Diagnostics Mode	Miscellaneous	Current Lookup
Cabinet Lighting	Attract Mode Setup	Bel/Line Variation Settings	Comms Configuration	Community	Language Selection	G2S Configuration

Number Of Ports: Single

Description	Port 1	Port 2
Accounting Denom	\$20.00	\$0.01
SAS Address	1	0
EFT	☒	☐
Legacy Bonusing	☒	☐
Validation	☒	☐
General Control	☒	☐
Game Start/End Exception	☒	☐

SAS Meter Change Notification Support - A0 Enable

Host Down Action Gameplay Allowed

Host Disable Cashout Cashout Allowed

Handpay Mode Basic Handpay Reporting

3C On Game Config Change Always

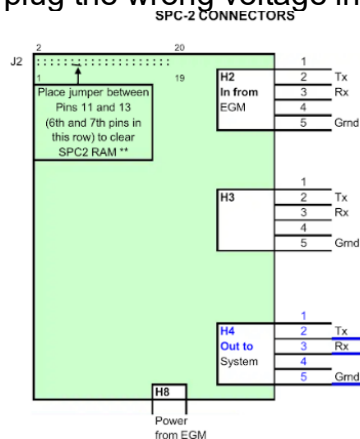
Floor Location

Save

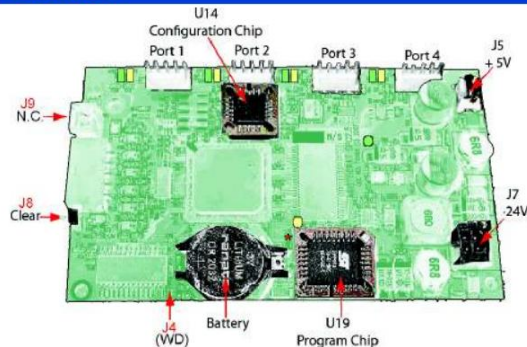
Aristocrat MK6 TITO@Home Setup

- 1) Unplug connector H0 from the SPC board in the machine.
- 2) Connect the white plug from the TITO cable to port H4 if you are using a SPC2.0 or port P4 if you are using a SPC2.5 board.

NOTE: Make sure you are using correct voltages and pin polarity on SPC power ports. Both versions use a different voltage and will destroy the SPC board if you plug the wrong voltage in to it for powering that up.

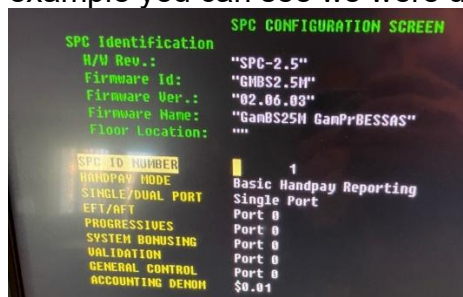


SPC 2.5 Board



The harness from the gaming machine should be plugged into H2 for the 2.0 SPC and P2 for the SPC2.5

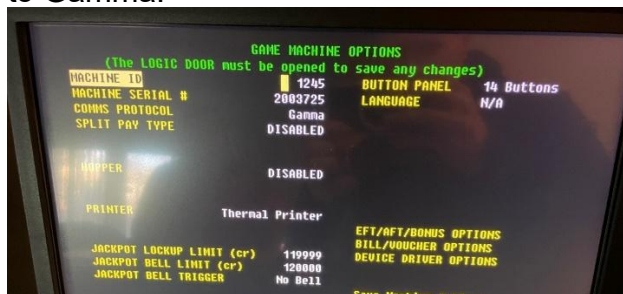
- 3) Your cable came with a USB power plug, connect the power plug to a USB port or the supplied A/C to USB power brick to get power.
- 4) Go through the clear or set chip process required to get to all settings on your machine. Set up all standard settings needed as well as the following settings that are specific to TITO.
- 5) During setup you will need the following information set. On the SPC configuration screen make sure that the SPC identification is populated. This indicated that at some point the machine has seen the SPC board since it was last cleared.
- 6) Set the SPC ID Number to 1.
- 7) Set Single/Dual Port to Single Port. TITO will not work if this is set to dual port no matter what other settings you do.
- 8) Verify all the rest of the settings reflect Port 0 as in the photo below. In this example you can see we were using a SPC 2.5 board.



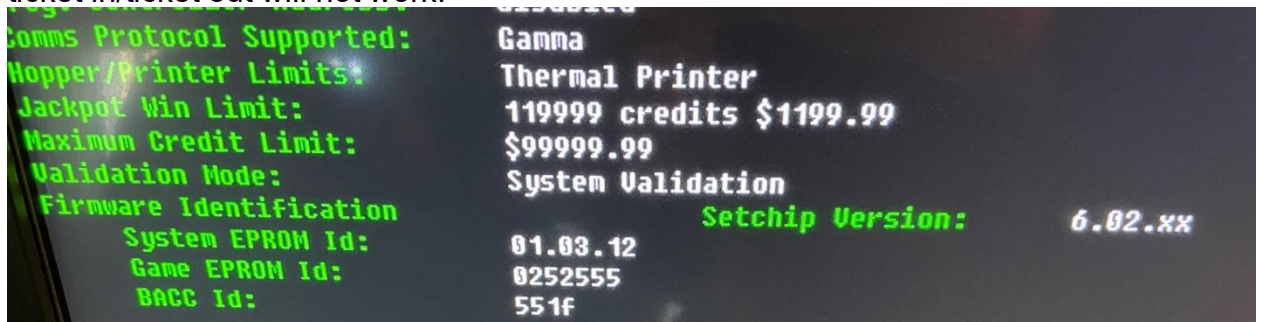
- 9) On the EFT/AFT/BONUS OPTIONS screen set the bonus transfer mode to Enabled. This will allow the free play feature to work. You can also set the EFT transfer limit as high as it goes. If the bonus transfer exceeds this limit, it may not issue the free play.



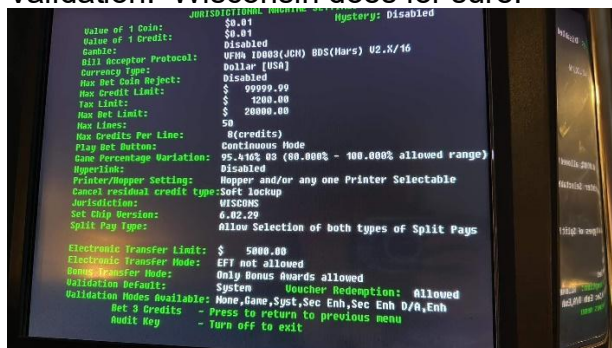
- 10) On the GAME MACHINE OPTIONS screen make sure the comms protocol is set to Gamma.



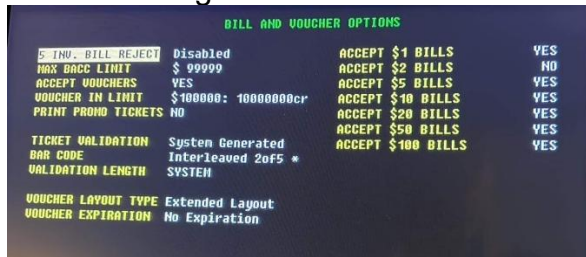
- 11) Make sure you set the Validation Mode to SYSTEM VALIDATION as well or the ticket in/ticket out will not work.



Make sure during the ram clear you choose a jurisdiction that allows System Validation. Wisconsin does for sure.



- 12) On bill and voucher options make sure accept vouchers is set to Yes, ticket validation is set to System Generated, bar code is set to Interleaved 2 of 5 and validation length is set to SYSTEM.



NOTE: With the MK6 machines the SAS board can take about 40 seconds or so to link up to the machine so within the first minute or so you will not have any communications between the machine and the SPC board. This also means the TITO link will be down during this time. With the communications having to be routed through the SPC board and then converted to SAS protocols there is a noticeable delay when cashing out a ticket. This is not a malfunction of the TITO@Home system; it is simply the lag time that these machines had due to the process that is involved in getting communications to work with the correct system. This happened in the casino environment as well.

Aruze TITO@Home Setup

- 1) Connect the power plug to a USB port or the supplied A/C to USB power brick to get power. If you have the cord, you can use the interface power shown here:



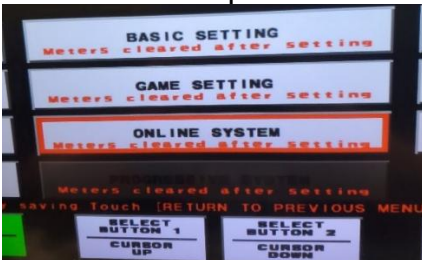
- 2) Connect the DB9 serial connection to the comm port. The Comm port is right below the blue port on the brain box.



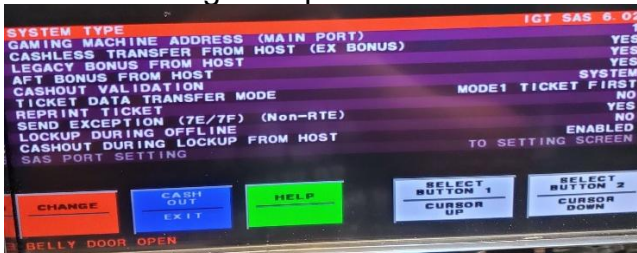
- 3) Make sure if you are using the interface power that you turn on the interface power switch shown below.



- 4) Go into the setup menus and choose online system.

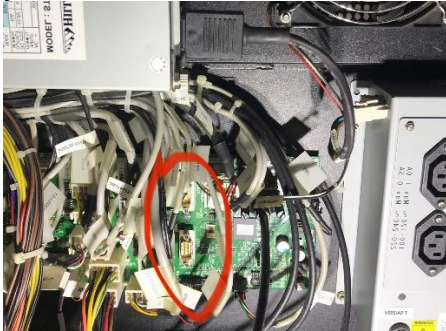


- 5) Set system type to IGT SAS 6.02. Set gaming machine address to 1. Set Cashless Transfer from host to Yes. Set Legacy Bonus from host to Yes. Set AFT Bonus from host to Yes, Set Cashout Validation to SYSTEM, set ticket data transfer mode to Mode 1 Ticket First. Set Lockup during offline to NO, and set Cashout during lockup from host to Enabled.



AXXIS TITO@Home Setup

Plug in the USB plug into any open USB port in the machine. You can also use a power brick to plug the USB into to get power. Connect the DB9 connector to one of the comm ports shown in the photo below. You can connect to port P206 which is Com 2 or you can connect to port P210 which is com 3. During setup, please choose the Com port you connected the cable to.

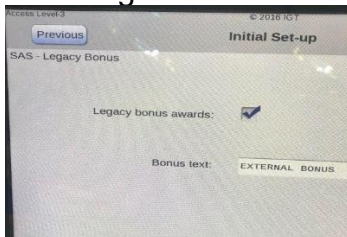


Once the board is connected you will need to set up the following settings. They are all on the same screen in the setup as shown in the pic below. (If you plug the cable into a different serial port you will need to select the appropriate serial port that you are using.) SAS Enabled should be checked.

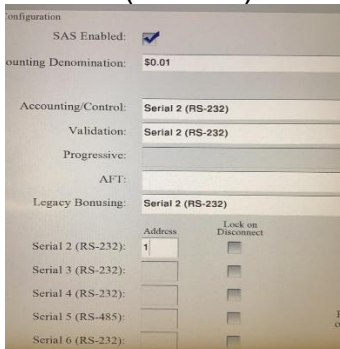
Accounting/Control should be set to serial 2 (RS-232)

Validation should be set to Serial 2 (RS-232)

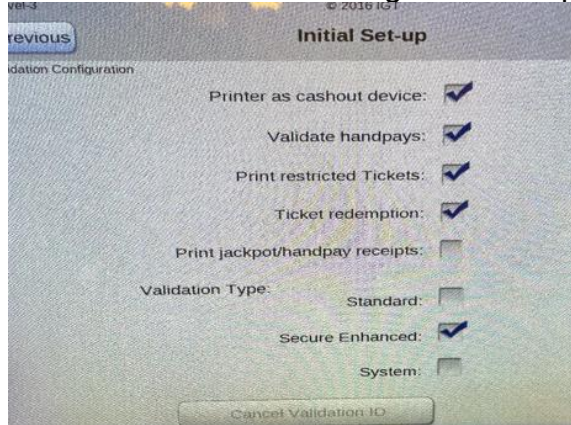
Legacy Bonusing should be set to Serial 2(RS-232). Also make sure you set legacy bonusing on the following screen.



Serial 2 (RS-232) address should be set to 1



On the following setup screen, you should make sure the validation type is set to SYSTEM as well as making sure the top 4 boxes are checked.



When you press cash out you will get a ticket printed. This ticket will work in any machine that has one of my boards hooked up and has power to the board (ticket will reject if it exceeds the credit limit or the machine cannot evenly add credits based on denomination). I have also built in a feature to add credits to the machine when you want to by pressing the service or change button The DIP switches on the board is what controls the free play. To turn the feature off set both switches to off. To set the feature to 1,000 credits, turn switch 1 on and switch 2 off. To set the feature to 5,000 credits, turn switch 1 off and switch 2 on. To set the feature to 10,000 credits, set both switches on.

Install video for free play without ticketing can be found at: <https://youtu.be/dSIO-8CSelk>

Setting up Printer and/or TITO

If a printer and/or TITO is installed in the slot then the protocol for these must be setup. EKEY7 needs to be installed to change these settings. To set these up, press Setup-Communication-Protocol from the main slot menu. You should see the screen below. You should have the PORT and ADDRESS set already setup so all we need do is activate the protocol. Press Advanced on the Serial SAS 1 line. You should now see the screen below. Select Protocol enabled and YES. Save this page and press OK. It should now go back to the Protocol main screen.

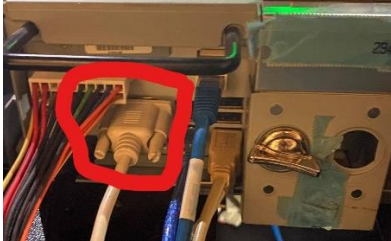
To activate the printer, select the NEXT on the protocol main screen and you should see the screen below. Select Voucher In/Out and Legacy Bonusing buttons. Both should now say SerialSAS1 and each should have an Advanced button.

Press the Advanced button on the Voucher In/Out. You must select STANDARD if you are using only a printer or SYSTEM if you are using a TITO too with printer. Select Voucher In and Voucher out too. Save and you are done. Press exit and you should be seeing a game on the play screen. Remove your ekey7 and close all doors. You are ready to play.

For install instructions with photos of the screen, please view the AVP Initial Setup document in the instruction folder.

AXXIS 3D TITO@Home Setup

Plug in the USB plug into any open USB port in the machine. Connect the serial DB9 plug to the serial 2 port on the machine. The port is circled in the photo below. If there is a cable currently plugged in there it will need to be disconnected.



Connect the USB power to an open USB port circled below.

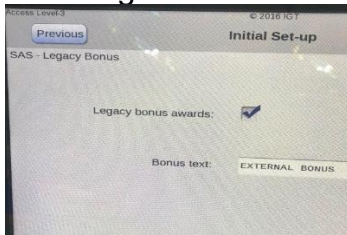


Once the board is connected you will need to set up the following settings. They are all on the same screen in the setup as shown in the pic below. (If you plug the cable into a different serial port you will need to select the appropriate serial port that you are using.) SAS Enabled should be checked.

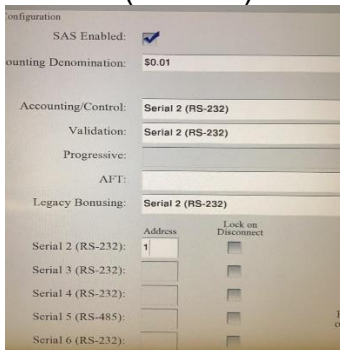
Accounting/Control should be set to serial 2 (RS-232)

Validation should be set to Serial 2 (RS-232)

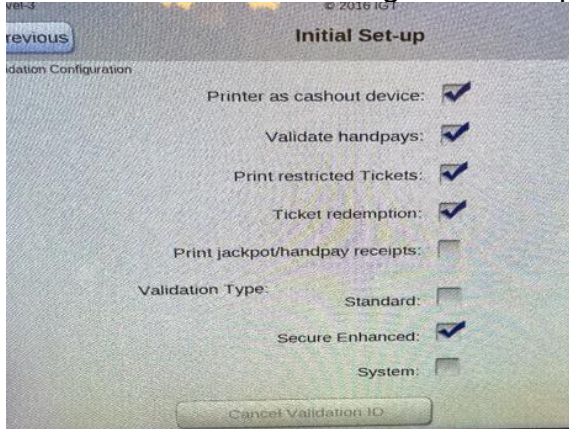
Legacy Bonusing should be set to Serial 2(RS-232). Also make sure you set legacy bonusing on the following screen.



Serial 2 (RS-232) address should be set to 1



On the following setup screen, you should make sure the validation type is set to SYSTEM as well as making sure the top 4 boxes are checked.



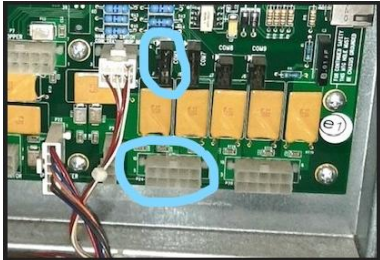
The image shows a screenshot of a software setup screen titled "Initial Set-up". At the top left, there is a "previous" button. Below the title, the text "Validation Configuration" is visible. The screen contains several configuration options, each with a checkbox:

- Printer as cashout device: ☒
- Validate handpays: ☒
- Print restricted Tickets: ☒
- Ticket redemption: ☒
- Print jackpot/handpay receipts: ☐
- Validation Type:
 - Standard: ☐
 - Secure Enhanced: ☒
 - System: ☐

At the bottom of the screen, there is a button labeled "Cancel Validation ID".

Bally Alpha TITO@Home Setup

The black cable connector goes into the 5-pin data connector on the machine. It should be labeled J9 or COM1. Your cable came with a USB power plug, connect the power plug to a USB port or the supplied A/C to USB power brick to get power.



Settings that are needed follow:

You will have to do a clear on the machine and set everything up on the machine again. These are just the settings needed for TITO to function with your machine.

Under setup go to:

Device setup -> set voucher printer the printer that you have installed in the machine.

Comm setup -> serial ports -> set host 1 to SAS primary. Then under dual host setup set everything to SAS primary.

Click Config next to host comm. 1. Set address to 1, validation to system, then set everything else except resend handpay pending to enabled.

Under voucher data setup is where you will set up what it prints on the tickets when it prints.

Bally S6000 TITO@Home Setup

The 40-pin black connector gets plugged into the system location (J10) on the back plane of the machine.



The following settings need to be set up on the machine to get the TITO to work. Other settings may be needed for your setup to get non-TITO settings in as well as setting min and max voucher settings. For S6000 machines you may need to have 2005 or newer mains chips in your machine to access all the required settings.

The settings that must be set are:

50HI Machine ID – 0001
50LO Machine ID – 0001
78HI SAS ID (To set you need to set other settings first and set this on the second round) – 0001
78LO Machine Number – 0001
73 Voucher Validation Level – 0003
64 Minimum voucher pay – 0000
67 Maximum voucher pay – 9999
92 SAS Bonusing – 0003
98 Primary Host – 0001
99 Secondary Host – 0000
29 AFT registration – 0000
19HI Asset – 0001
19LO Number – 0001
17 Set SAS Version – 0001

For Free Play ONLY (No ticket in and out) use the following settings:

50HI Machine ID – 0001
50LO Machine ID – 0001
78HI SAS ID (To set you need to set other settings first and set this on the second round) – 0001
78LO Machine Number – 0001
73 Voucher Validation Level – 0003
64 Minimum voucher pay – 0000
67 Maximum voucher pay – 0000
92 SAS Bonusing – 0003
98 Primary Host – 0001
99 Secondary Host – 0000
29 AFT registration – 0000
19HI Asset – 0001

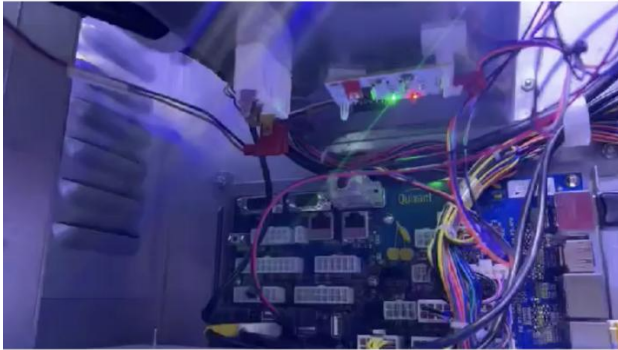
19LO Number – 0001
17 Set SAS Version – 0001
51 set to 9999
54 set to 0000
56 set to 0000
58 set to 9999

Changed settings from standard setup are highlighted here.

Everi TITO@Home Setup

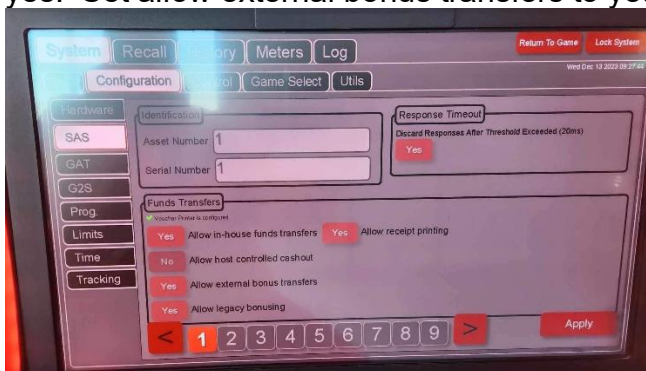
Connect the power plug to a USB port or the supplied A/C to USB power brick to get power.

Connect the DB9 serial connection to the comm port.

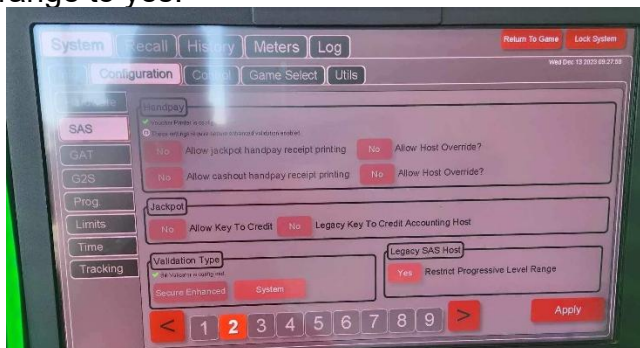


On the settings screens, please set the following settings:

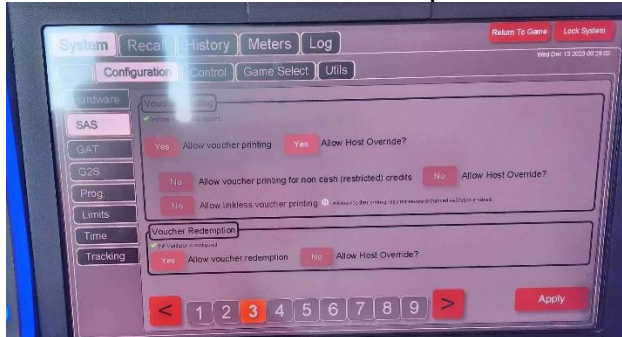
Set Identification Asset number and serial number to 1. Set disregard responses to yes. Set funds transfers allow in house funds transfers to yes. Set allow receipt printing to yes. Set allow external bonus transfers to yet. Set allow legacy bonusing to yes.



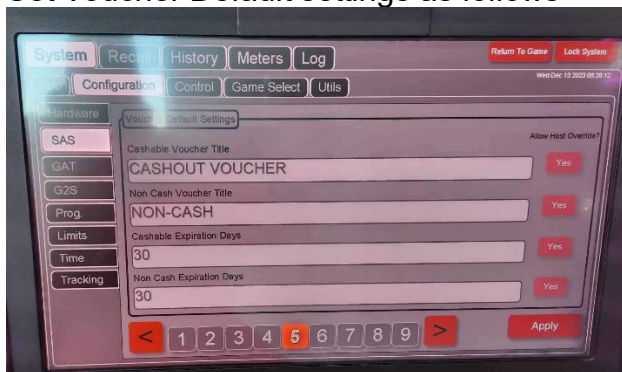
Set the Validation Type to System. Set legacy SAS host restrict progressive Level range to yes.



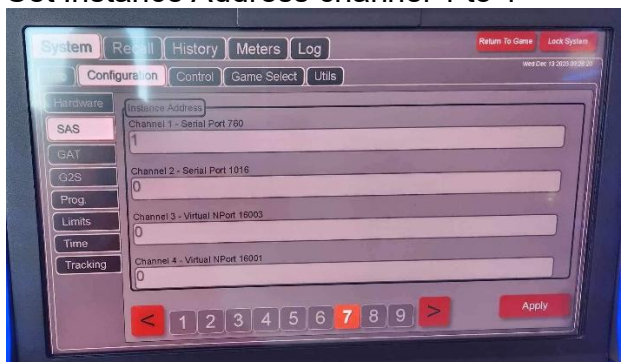
On voucher printing select yes for allow voucher printing. Also select yes for Allow Host Override. For Voucher redemption select Yes for allow voucher redemption.



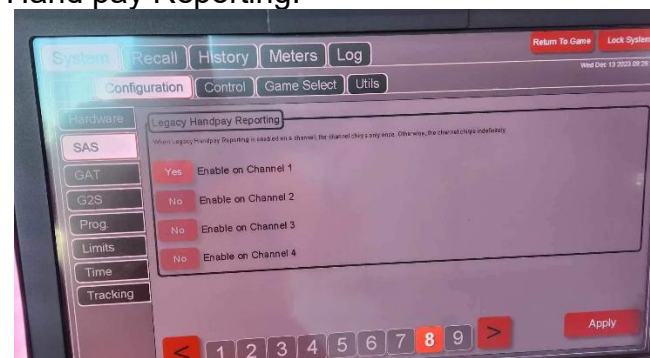
Set Voucher Default settings as follows



Set Instance Address channel 1 to 1



On system Configuration screen on SAS tab mark Enable On Channel 1 for Legacy Hand pay Reporting.



For funds transfers controller set channel 1 to yes. For validation controller set channel 1 to yes. For exception Codes set channel 1 to yes.



IGT AVP TITO@Home Setup

Plug in the USB plug into any open USB port in the machine. You can also use a power brick to plug the USB into to get power. Connect the 5-pin connector to the front of the communication board to the 5-pin plug. It will be either on the backplane like the first photo below or it will be on a daughter board that looks like the second photo that would be plugged into the backplane. **Note: Some daughter boards may require external power to work. The photo below is a stock photo. You are responsible for finding a daughter board that doesn't require separate power or finding a way to supply power if you have one that does need it.**

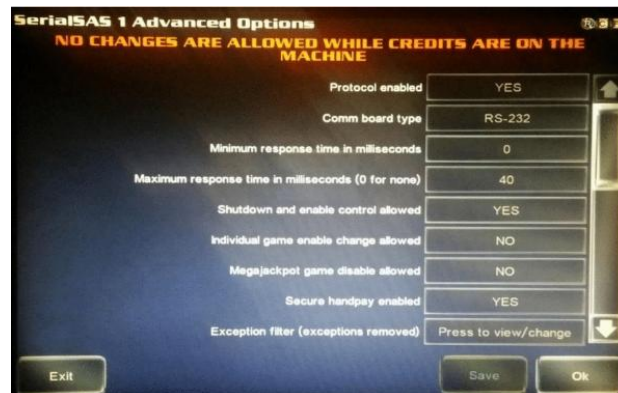


These are the settings that need to be done during keying:

- 1) Go to the screen that has a heading Enable Protocols. This must be set to use a TITO. You need only to setup SerialSAS 1. All 3 boxes must be setup.
 - a. PORT=Set to the port your RS-232 card is plugged into. There are 4 ports.
 - b. ADDRESS=1
 - c. Advanced will be set after you install your games.
- 2) If a printer and/or TITO is installed in the slot then the protocol for these must be setup. To set these up, press Setup-Communication-Protocol from the main slot menu. You should see the screen below. You should have the PORT and ADDRESS set already setup so all we need do is activate the protocol. Press Advanced on the SerialSAS 1 line.



- 3) You should now see the screen below. Select Protocol enabled and YES. Save this page and press OK. It should now go back to the Protocol main screen.



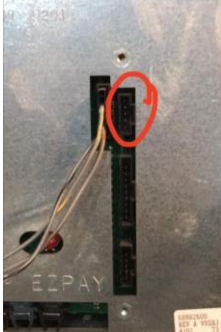
- 4) To activate the printer select the NEXT on the protocol main screen and you should see the screen below. Select Voucher In/Out and Legacy Bonusing buttons. Both should now say SerialSAS1 and each should have an Advanced button.



- 5) Press the Advanced button on the Voucher In/Out. You must select SYSTEM if you are using a TITO. Select Voucher In and Voucher out too.
6) Save and you are done.
7) Press exit and you should be seeing a game on the play screen.
8) Remove your ekey7 and close all doors. You are ready to play.

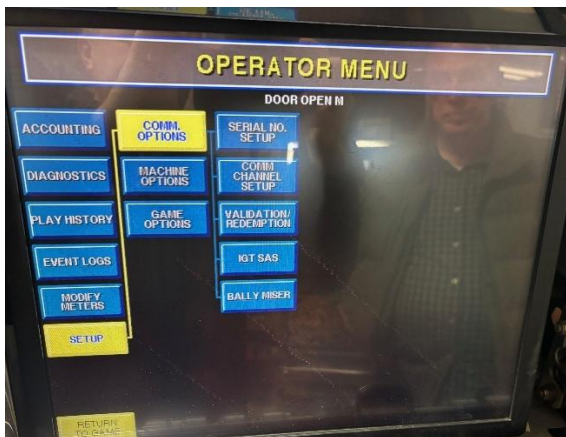
IGT IGame/Game King 3902 and 044 TITO@Home Setup

Connect the power plug to a USB port or the supplied A/C to USB power brick to get power. Connect the 5-pin connector to the front of the communication board to the 5-pin plug.

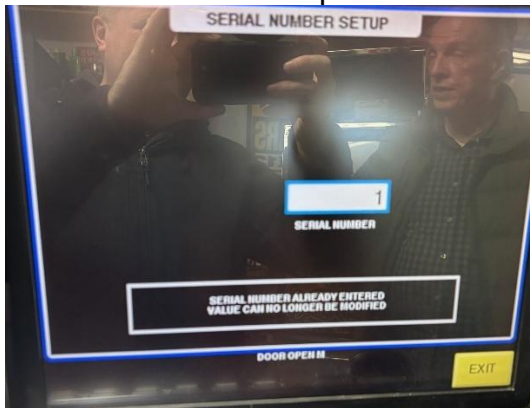


Your machine may need to be RAM cleared and will be needed to key to use the board. Some people have had good luck without clearing first, but there is a possibility you will have to do a full RAM clear. The menus could be slightly different based on the board and the software you are using. In these instructions the blue colored photos are from a 044 board, and the red photos are from a 3902 board. They are the same settings. Just different layouts of the menus. These are the settings that need to be done during keying:

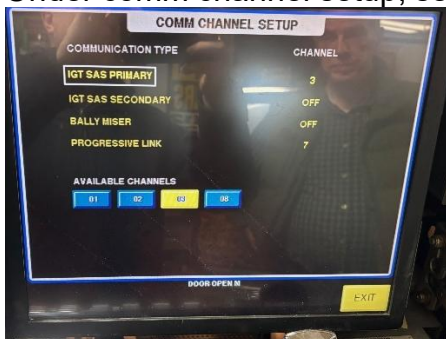
Go under setup and comm options shown below.



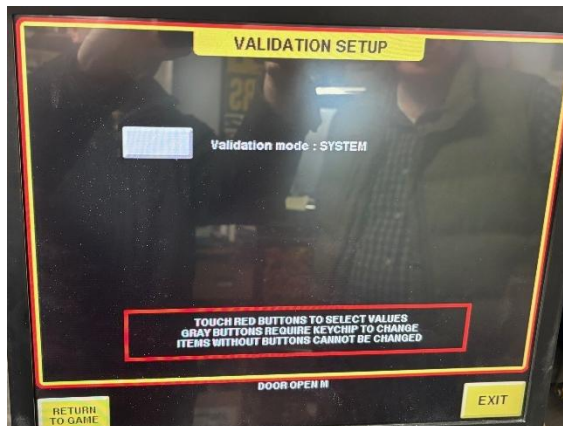
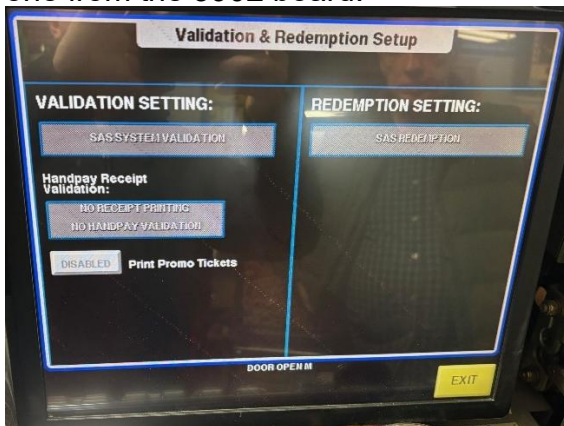
Click on serial no setup. Set serial number to 1.



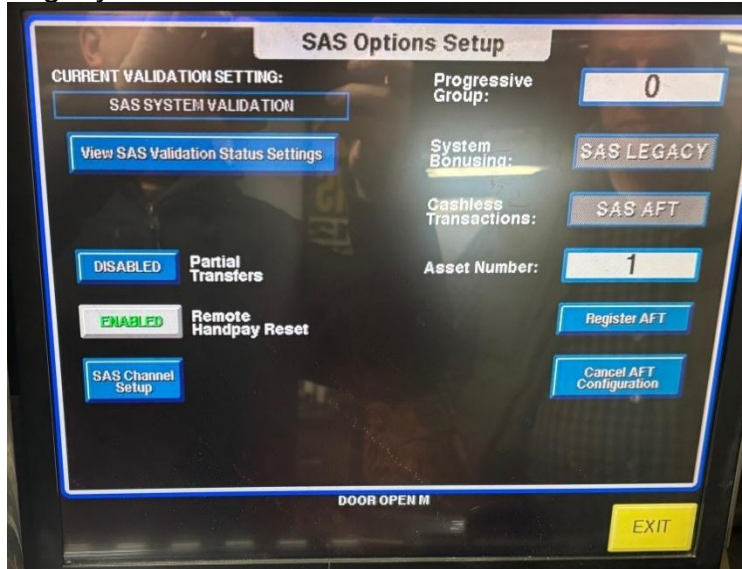
Under comm channel setup, set IGT SAS Primary to channel 3.



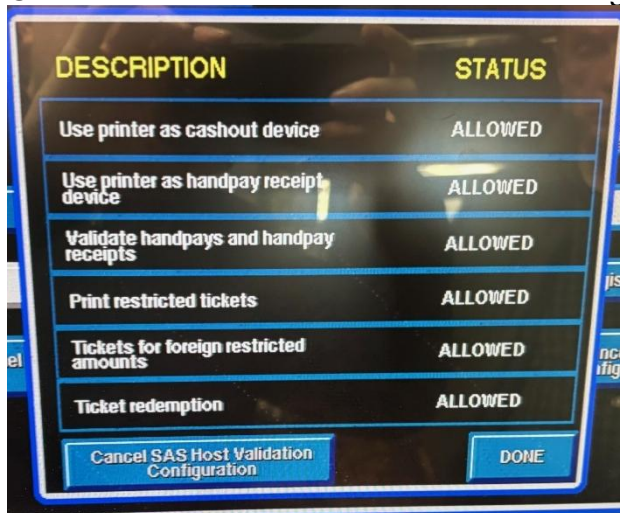
Under Validation and redemption setup set the following. Validation setting set to SAS System Validation. Redemption Setting to SAS Redemption. Validation Setup is the one from the 3902 board.



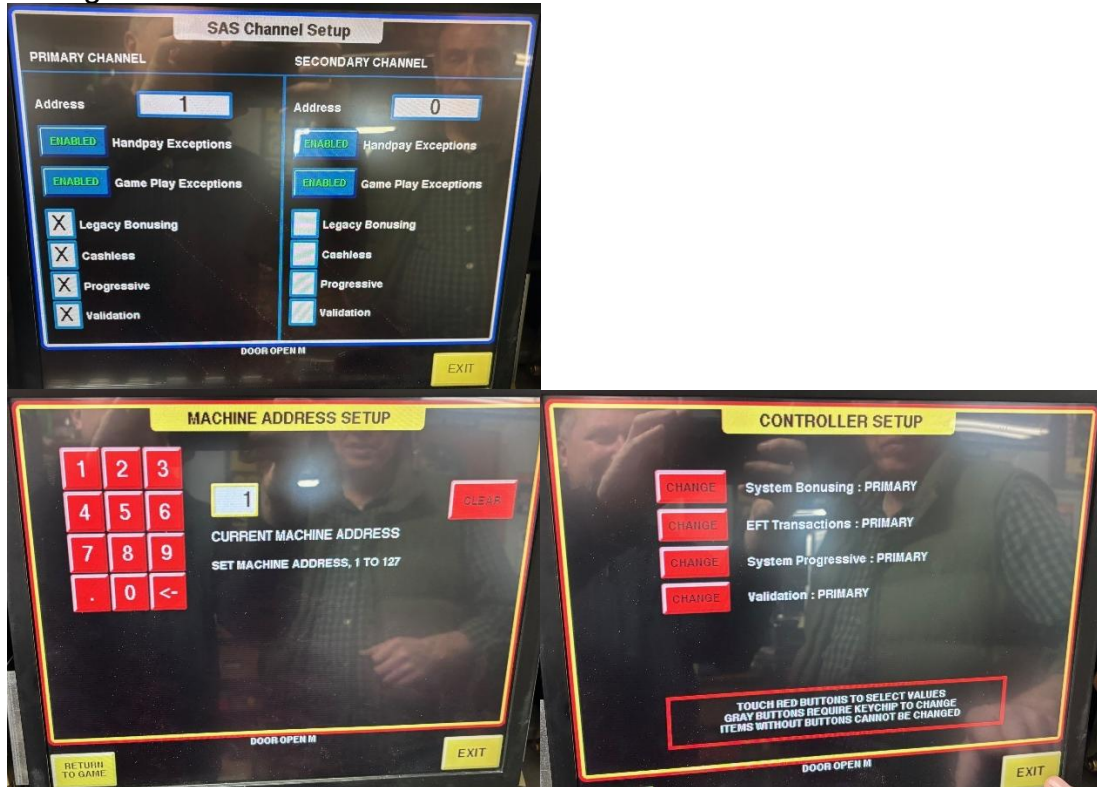
Under SAS Options setup set the asset number to 1. Set System Bonusing to SAS Legacy. Set cashless transactions to SAS AFT.



Click on View SAS Validation Status Settings and verify everything is set to allowed.



Click on SAS Channel Setup. Set primary channel to Address 1. Check Legacy Bonusing, Cashless, and Validation under primary channel. If using a 3902 board these settings will be on two screens as shown.



If you have no hopper, make sure you set the hopper limit to 0. Set the other limits to whatever you would like, but the higher they are the less likely you will end up with an unwanted ticket for a small jackpot or a ticket printing because you went over the credit limit. When you press cash out you will get a ticket printed. This ticket will work in any machine that has one of my boards hooked up and has power to the board (ticket will reject if it exceeds the credit limit or the machine cannot evenly add credits based on denomination).

IGT Crystal AVP TITO@Home Setup

Plug in the USB plug into any open USB port in the machine. You can also use a power brick to plug the USB into to get power. Connect the 5-pin connector 5 pin comm port as shown below.



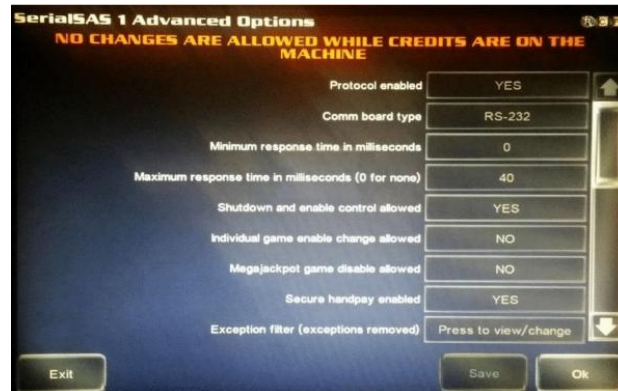
These are the settings that need to be done during keying:

These are the settings that need to be done during keying:

- 1) Go to the screen that has a heading Enable Protocols. This must be set to use a TITO. You need only to setup SerialSAS 1. All 3 boxes must be setup.
 - a. PORT=Set to the port your RS-232 card is plugged into. There are 4 ports.
 - b. ADDRESS=1
 - c. Advanced will be set after you install your games.
- 2) If a printer and/or TITO is installed in the slot then the protocol for these must be setup. To set these up, press Setup-Communication-Protocol from the main slot menu. You should see the screen below. You should have the PORT and ADDRESS set already setup so all we need do is activate the protocol. Press Advanced on the SerialSAS 1 line.



- 3) You should now see the screen below. Select Protocol enabled and YES. Save this page and press OK. It should now go back to the Protocol main screen.



- 4) To activate the printer select the NEXT on the protocol main screen and you should see the screen below. Select Voucher In/Out and Legacy Bonusing buttons. Both should now say SerialSAS1 and each should have an Advanced

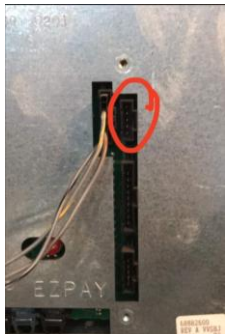


button.

- 5) Press the Advanced button on the Voucher In/Out. You must select SYSTEM if you are using a TITO. Select Voucher In and Voucher out too.
- 6) Save and you are done.
- 7) Press exit and you should be seeing a game on the play screen.
- 8) Remove your ekey7 and close all doors. You are ready to play.

IGT S2000 TITO@Home Setup

Your cable came with a USB power plug, connect the power plug to a USB port or the supplied A/C to USB power brick to get power. Connect the 5-pin connector to the front of the communication board to the 5-pin plug.



Your machine may need to be RAM cleared and keyed to use the board. If you are missing some settings or having a difficult time getting the machine to show everything in here you may need to update your game chips to SG363 chips. I would also suggest the GX1 version chip as well, especially if you want to run multiple denominations.

These are the settings that need to be done during keying:

After keying the machine these are the options that need to be set in order to work:

7.2.3.5 SAS validation type – SYSTEM MODE

7.1.3.5 Legacy bonus = primary

7.2.1.1 validation type

7.2.3 voucher

Voucher = SAS

Voucher limit follows credit limit

System Bonus – Legacy

Close machine door and wait for machine to come up. Then open door and press white test button. Set the following options:

3.4.1.1.1 SAS primary address – 1

3.4.2.2 Miser channel

Bally miser channel – off

3.4.1.1.2 SAS primary channel

SAS – channel 3

3.4.1.3 SAS config

Cashless = primary

Validation = primary

If you have no hopper, make sure you set the hopper limit to 0. Set the other limits to whatever you would like, but the higher they are the less likely you will end up with an unwanted ticket for a small jackpot or a ticket printing because you went over the credit limit. Under communication options, go to Bally Miser setup if there is one, and turn the channel to off. Then go to the primary SAS setup and make sure the primary address is set to 1 and the primary channel is set to 3. You are now ready to use the board.

Install Videos:

For just free play (no validator or printer) <https://youtu.be/wDBb2DUWGB0>

For full setup with validator and printer <https://youtu.be/Gwg-XQpdnFA>

IGT S3000 TITO@Home Setup

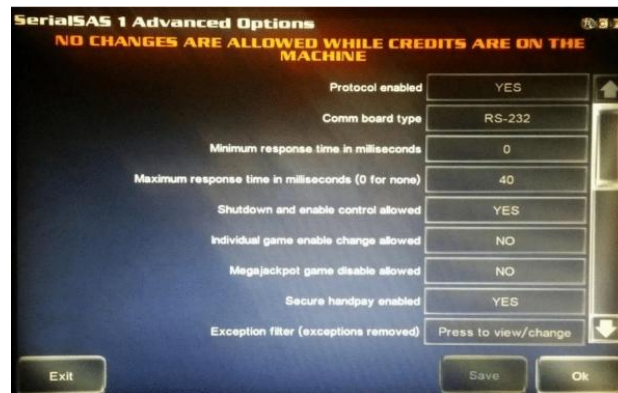
Plug in the USB plug into any open USB port in the machine. You can also use a power brick to plug the USB into to get power. Connect the 5-pin connector to the front of the communication board to the 5-pin plug.

These are the settings that need to be done during keying:

- 1) Go to the screen that has a heading Enable Protocols. This must be set to use a TITO. You need only to setup SerialSAS 1. All 3 boxes must be setup.
 - a. PORT=Set to the port your RS-232 card is plugged into. There are 4 ports.
 - b. ADDRESS=1
 - c. Advanced will be set after you install your games.
- 2) If a printer and/or TITO is installed in the slot then the protocol for these must be setup. To set these up, press Setup-Communication-Protocol from the main slot menu. You should see the screen below. You should have the PORT and ADDRESS set already setup so all we need do is activate the protocol. Press Advanced on the SerialSAS 1 line.



- 3) You should now see the screen below. Select Protocol enabled and YES. Save this page and press OK. It should now go back to the Protocol main



screen.

- 4) To activate the printer select the NEXT on the protocol main screen and you should see the screen below. Select Voucher In/Out and Legacy Bonusing buttons. Both should now say SerialSAS1 and each should have an Advanced button.
- 5) Press the Advanced button on the Voucher In/Out. You must select SYSTEM if you are using a TITO. Select Voucher In and Voucher out too.
- 6) Save and you are done.
- 7) Press exit and you should be seeing a game on the play screen.
- 8) Remove your ekey7 and close all doors. You are ready to play.



Incredible Technologies TITO@Home Setup

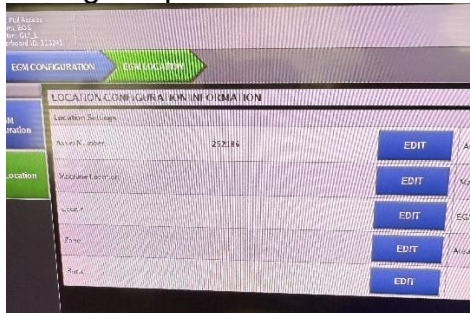
Connect the power plug to a USB port or the supplied A/C to USB power brick to get power.

Connect the DB9 serial connection to the comm port. There should be a sticker on the front of the brain box that shows which plugs on the brain box are SAS comm ports. Use SAS channel 1 if possible to be able to follow these directions.



Go into configuration.

For IT machines you must set an asset number for the machine to be able to access all settings required. Do this under EGM configuration -> EGM Location as shown below.



Select Setup SAS as shown below.



On the left column of this screen under SAS settings make sure it shows SAS Enabled – On, Channel 1 ID – 1, Ticketing channel – 1, Legacy bonusing – on. Under the SAS Ticketing make sure it is set to SYSTEM.

SETUP SAS

SAS Settings

SAS Enabled:	On	YES	Dual Channel
Channel 1 ID:	1	EDIT	Channel 1 CD
Channel 2 ID:	2	EDIT	Channel 2 CD
Ticketing Channel:	1	EDIT	AFT Channel
Legacy Handpay:	On	YES	Gameplay Exce
Legacy Bonusing:	On	YES	Legacy Bonusin

SAS Ticketing:

Validation Type:	SYSTEM	EDIT	Enable Change Ticket:
------------------	--------	------	-----------------------

On the right column under this screen under SAS settings, set Channel 1 com port to the port you plugged the board into on the logic cage. Set the Legacy Bonusing channel to 1 as well.

Dual Channel Enabled:	Off	NO
Channel 1 COM Port:	1	EDIT
Channel 2 COM Port:	2	EDIT
AFT Channel:	1	EDIT
Gameplay Exceptions:	On	YES
Legacy Bonusing Channel:	1	EDIT
Enable Change Ticket:	On	YES

Next go into the bill acceptor and ticket printer setup. Verify that you have the appropriate bill acceptor and printer selected. Under Ticket Validation Settings, make sure the current ticket validator setting is set to SAS Ticket Validation.

SETUP BILL ACCEPTOR AND TICKET PRINTER		
Bill Acceptor Settings		
Current Bill Acceptor:	JCM UBA-11-55 Bill Acceptor	EDIT
Currency High Security:	No	NO
Power on Escrow Jam:	No	NO
Ticket Printer Settings		
Current Ticket Printer:	Epic 950 Ticket Printer	EDIT
Requires Pull Ticket:	Yes	YES
Ticket Validator Settings		
Current Ticket Validator:	SAS Ticket Validator	EDIT

Konami K2V and KP3 TITO@Home Setup

The black cable connector goes into the CNB35, CNB36, or CNB37 port on the backplane.



Your cable came with a USB power plug, connect the power plug to a USB port or the supplied A/C to USB power brick to get power instead of the white connector.

Settings that are needed follow:

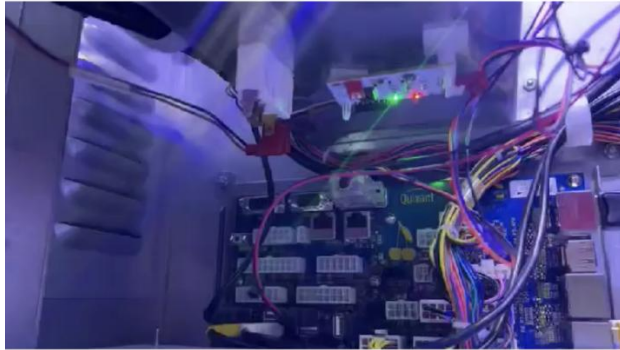
You will have to do a clear on the machine and set everything up on the machine again. These are just the settings needed for TITO to function with your machine.

- 1) Under setup go to:
- 2) Communications setup then Communications Channel Setup.
- 3) Set the channel that you have plugged the board into to SAS. Set lockup to No on the same channel.
- 4) Go to Controller Setup.
- 5) Set machine control, receive time, ticket in/ticket out, legacy bonusing, and eft/aft to the channel you plugged the board into. Channel 1 is CNB35, channel 2 is CNB36, and channel 3 is CNB37.
- 6) Set the address under the appropriate channel to 1.
- 7) Go to SAS protocol.
- 8) Enable remote hand pay reset.
- 9) Go to Validation.
- 10) Set validation mode to system, Comm down operation to no tilt, ticket out to cashout, and hand pay receipt to none. This is also where you can set the ticket data.
- 11) Go to Cashless transfer setup.
- 12) Set cashless transfer to EFT.

Multimedia machines running M-Force TITO@Home Setup

Connect the power plug to a USB port or the supplied A/C to USB power brick to get power.

Connect the DB9 serial connection to the comm port.

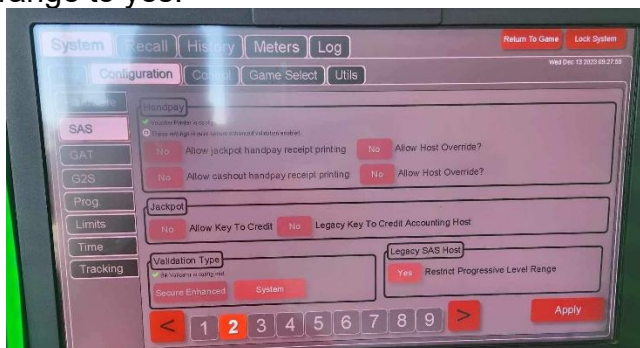


On the settings screens, please set the following settings:

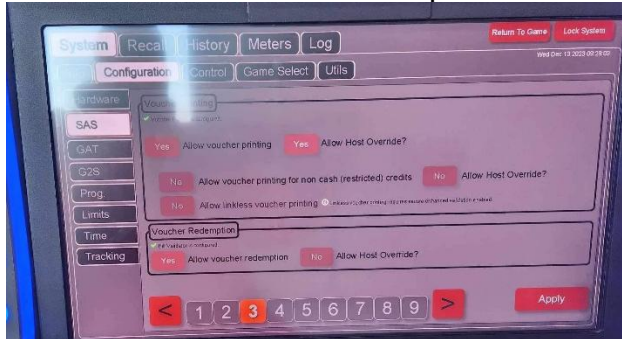
Set Identification Asset number and serial number to 1. Set disregard responses to yes. Set funds transfers allow in house funds transfers to yes. Set allow receipt printing to yes. Set allow external bonus transfers to yet. Set allow legacy bonusing to yes.



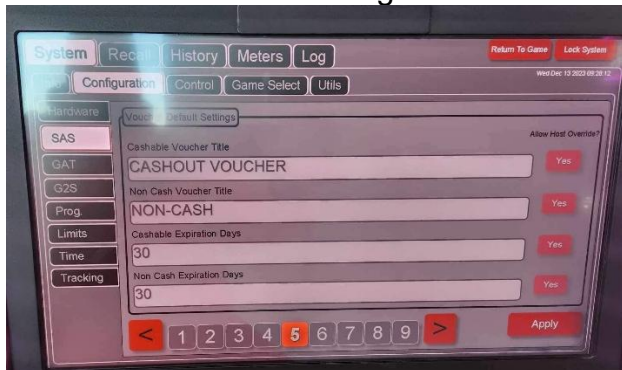
Set the Validation Type to System. Set legacy SAS host restrict progressive Level range to yes.



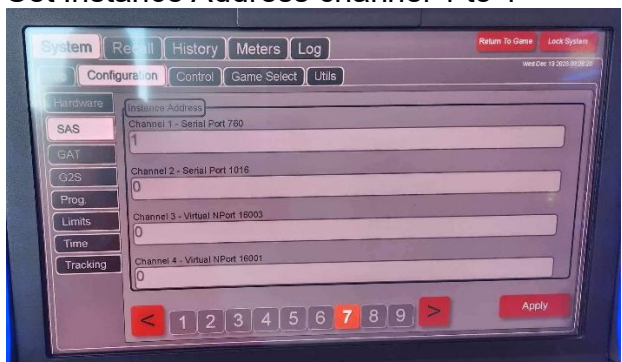
On voucher printing select yes for allow voucher printing. Also select yes for Allow Host Override. For Voucher redemption select Yes for allow voucher redemption.



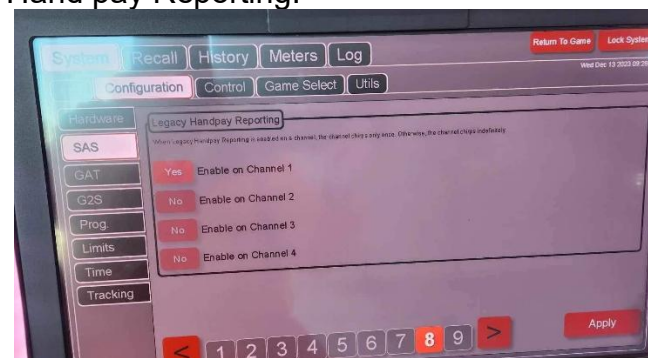
Set Voucher Default settings as follows



Set Instance Address channel 1 to 1



On system Configuration screen on SAS tab mark Enable On Channel 1 for Legacy Hand pay Reporting.

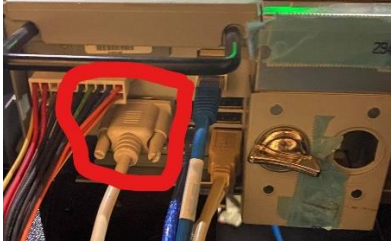


For funds transfers controller set channel 1 to yes. For validation controller set channel 1 to yes. For exception Codes set channel 1 to yes.



Speilo TITO@Home Setup

Plug in the USB plug into any open USB port in the machine. Connect the serial DB9 plug to the serial 2 port on the machine. The port is circled in the photo below. If there is a cable currently plugged in there it will need to be disconnected.



Connect the USB power to an open USB port circled below.

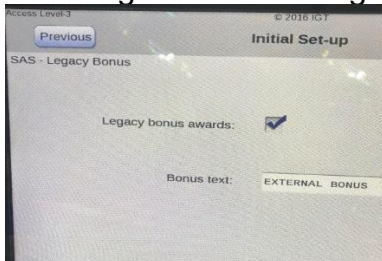


Once the board is connected you will need to set up the following settings. They are all on the same screen in the setup as shown in the pic below. (If you plug the cable into a different serial port you will need to select the appropriate serial port that you are using.) SAS Enabled should be checked.

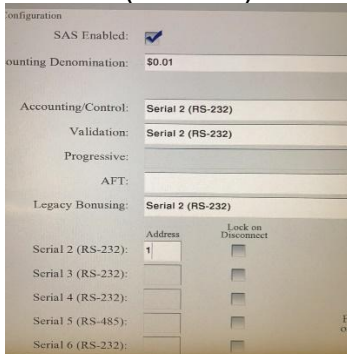
Accounting/Control should be set to serial 2 (RS-232)

Validation should be set to Serial 2 (RS-232)

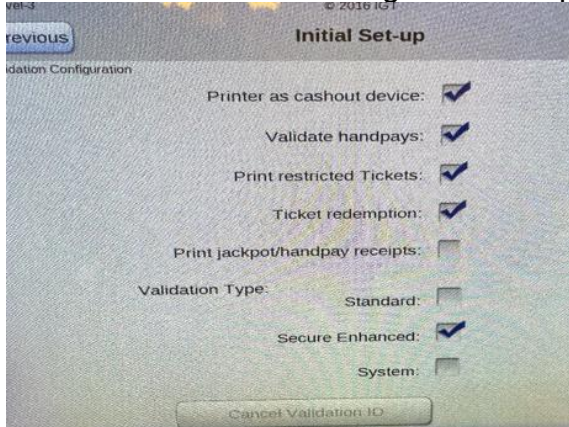
Legacy Bonusing should be set to Serial 2(RS-232). Also make sure you set legacy bonusing on the following screen.



Serial 2 (RS-232) address should be set to 1



On the following setup screen, you should make sure the validation type is set to SYSTEM as well as making sure the top 4 boxes are checked.



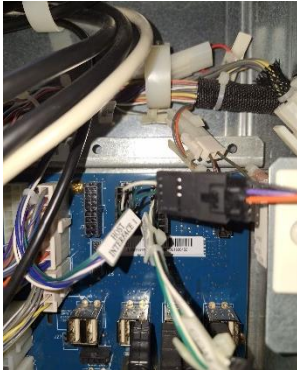
The image shows a screenshot of a software setup screen titled "Initial Set-up". At the top left, there is a "previous" button. Below the title, the text "Validation Configuration" is visible. The screen contains several configuration options, each with a checkbox:

- Printer as cashout device: ☒
- Validate handpays: ☒
- Print restricted Tickets: ☒
- Ticket redemption: ☒
- Print jackpot/handpay receipts: ☐
- Validation Type:
 - Standard: ☐
 - Secure Enhanced: ☒
 - System: ☐

At the bottom of the screen, there is a button labeled "Cancel Validation ID".

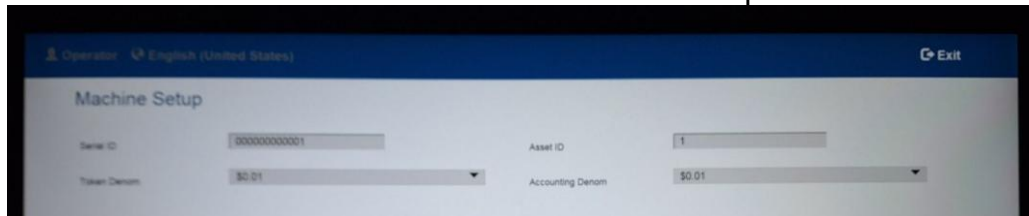
Twin Star TITO@Home Setup

- 1) On older Twin Star machines the black cable connector goes into the 5-pin data connector coming out of Host Interface 1. Connect the power plug to a USB port or the supplied A/C to USB power brick to get power.

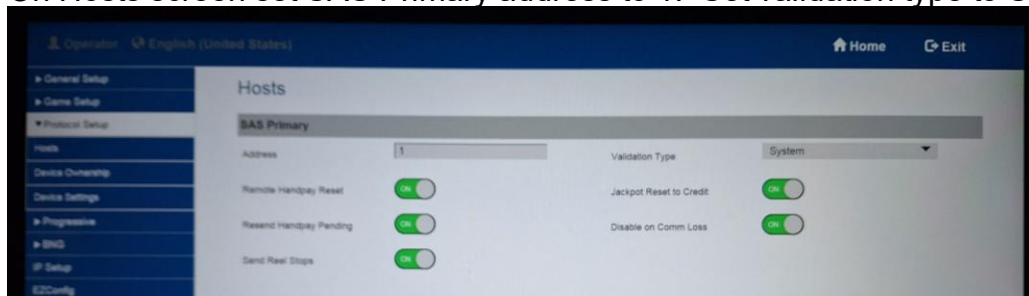


If you have a Twin Star with the 5x CPU and a backplane 3.0 there will not be a pigtail connector there. On those cabinets you will plug the cable for the TITO directly into port j26 (Host 1).

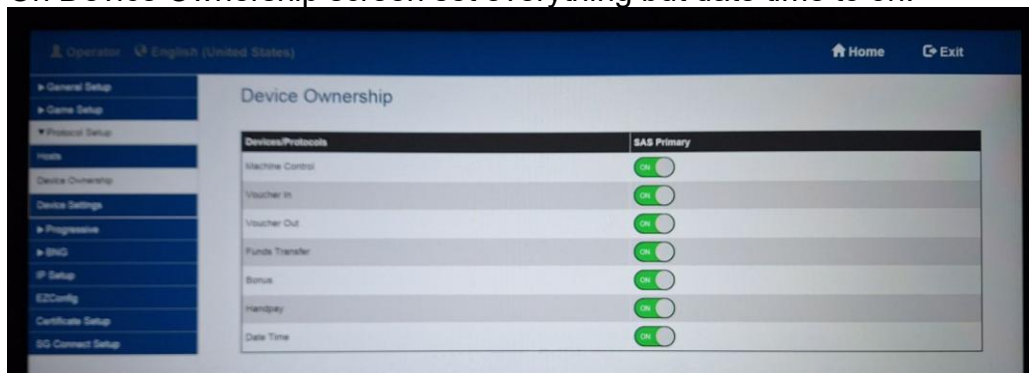
- 2) Set Serial ID to 1 and asset ID to 1 on machine setup screen.



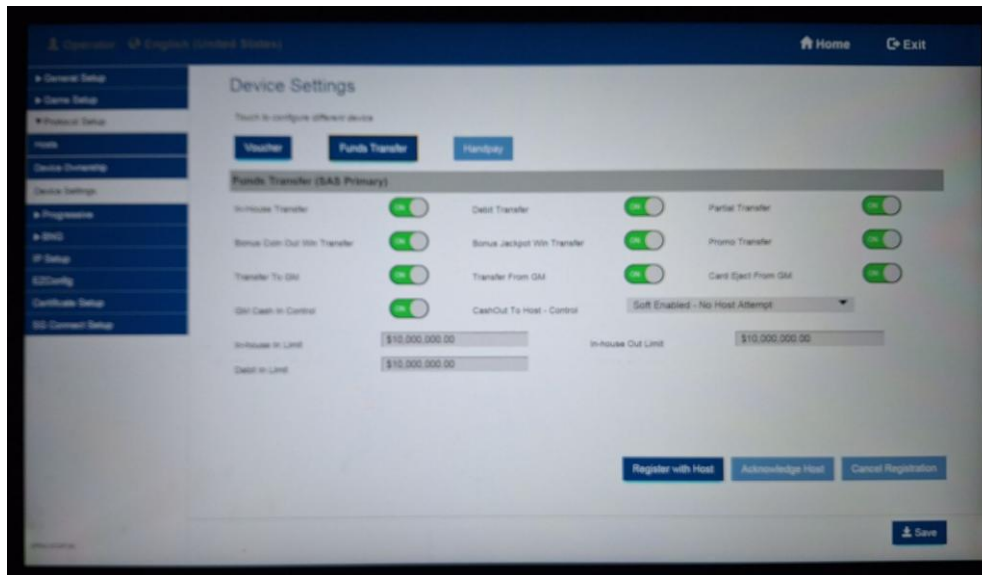
- 3) On Hosts screen set SAS Primary address to 1. Set validation type to System.



4) On Device Ownership screen set everything but date time to on.



5) On Device Setup set everything to on. Set any transfer limits as high as possible.



WMS BB1, BB2, and Blade TITO@Home Setup

The DB9 cable is the data cable. The end goes to the backplane board where it is marked host Comm 1. Your cable came with a USB power plug, connect the power plug to a USB port or the supplied A/C to USB power brick to get power.

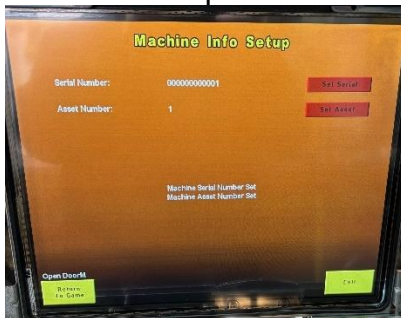


Settings that are needed follow:

You will have to do a clear on the machine and set everything up on the machine again. These are just the settings needed for TITO to function with your machine.

Under setup go to:

Machine set up -> machine setup info -> Set serial number to 1 and asset number to 1

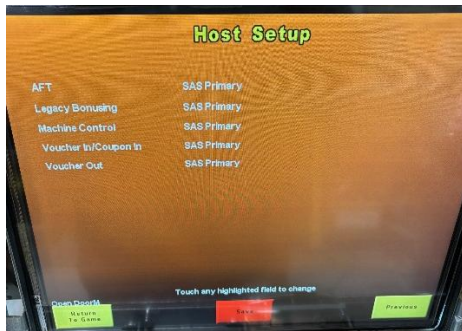


Device setup -> set voucher printer to Seiko Netplex no matter what printer you have (some of the different software have to be set to the correct printer so I try first with the correct printer and if it doesn't work choose Seiko Netplex.)

Serial Comm setup -> serial ports -> set host 1 to SAS primary. Then under dual host setup set everything to SAS primary.



Click on host setup. Set all settings to SAS Primary.



Click Config next to host comm. 1. Set address to 1, validation to system, then set everything else except resend hand pay pending to enabled.



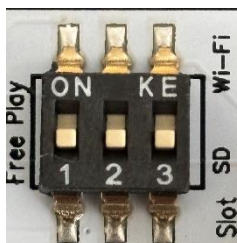
Under voucher data setup is where you will set up what it prints on the tickets when it prints. Have fun and enjoy your TITO @ Home system.

Note: with bluebird machines there is an issue that has been noted during testing on TITO. When you first turn on the machine if you try to cash out it will default to a hand pay. It will also reject the first voucher attempted to insert. The way around this is to just insert and have it reject a ticket when you first turn on the machine and then insert another ticket (which it will accept. It can even be the same ticket). Then it functions normally. This also resets about every hour as well. I have determined it is caused by the OS card. OS1221 is very flaky with TITO systems. Newer OS files seem to work without this flaw.

Install video <https://youtu.be/cKdr5-PTuw0>

DIP switch information on TITO@Home System

There are 3 DIP switches on the TITO@Home Wi-Fi Ready system. Switch 1 and 2 control free play options. Switch 3 tells the TITO if you would like it to expect a Wi-Fi Module or a SD card-based flash module. Having switch 3 set to SD based on the screen printing on the board will tell the TITO to look for the SD flash module. Having switch 3 set to wi-fi will tell the TITO to look for the Wi-Fi module. Both modules are not required for standard TITO operation. By default the 3rd DIP switch will be set to SD when shipped, so if you are going to use a Wi-Fi module that will need to be set before they will work together.



For free play options the DIP switches are set up as follows:

Setup 1.....	Switch 1 and 2 both off – no free play
Setup 2.....	Switch 1 on and switch 2 off – 1,000 credits
Setup 3.....	Switch 1 off and switch 2 on – 5,000 credits
Setup 4.....	Both switch 1 and 2 on – 10,000 credits

This will only be the case if you used standard credit options. If you have flashed new free play values with the flash module or the Wi-Fi module it will be setup 1 will be off still, setup 2 will be the first value, setup 3 will be the second value, and setup 4 will be the third value.

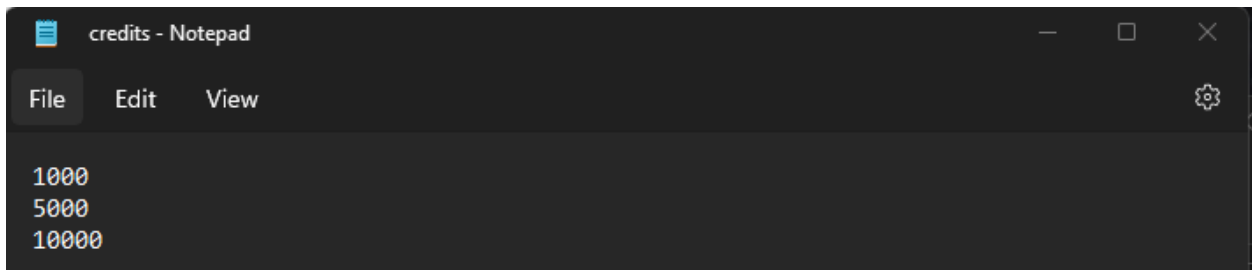
TITO@Home SD Card-based Flash Module:

This flash module can be used to change the free play values on any TITO@Home version 4.0 system.



To use this module, open the credits.txt file on the SD card.

Place the values that you want for free play on separate lines as shown in the photo below. Only put the numerical digits of the value (in number of credits) in there. Any other characters could cause unexpected values to be issued. Press Enter after the final value so there is a blank line after the last value.



Save the file.

Place the MicroSD card into the MicroSD module and connect it to the TITO board with the words “MicroSD Card Adapter” face up as shown below.



For TITO@Home boards that have 3 dip switches, make sure switch 3 is set to the SD position based on the screen printing on the TITO board or this module will not work.

Connect the TITO board to your slot machine and power it up.

You will see the data LED start blinking once per second for 4.1 version boards or be on solid for TITO@Home basic versions of the boards. Leave the board powered on for at least 10 seconds to make sure that you don't interfere with the reading of the module or saving that data to the board.

At this point, power down the TITO board and unplug the MicroSD module from the board. Microcontrollers like the one used on TITO@Home have a limited number of write times to the memory, so when not flashing the system, please make sure you do not have the SD flash module connected to the board as the board will write the values every time the board is powered up.

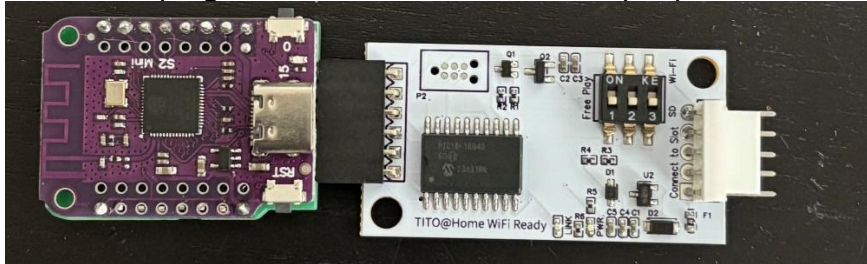
When flashing the system, you need the board connected to the machine and have the machine set up to communicate with the board in order for the board to save the values on the flash module. You have just updated your free play settings on the TITO@Home board. Enjoy!

FYI-these MicroSD cards that you get with this module are a special size. The board will not recognize the large size cards out there in most stores. If for some reason this card is lost or damaged, contact me and I can either get you a new card or let you know what size will work.

TITO@Home Wi-Fi Module Instructions

The Wi-Fi module will only work if you have a TITO@Home Wi-Fi Ready system. This can be determined by the number of DIP switches on the board as well as the screen printing on the board. If you have 3 DIP switches on the board, it is a Wi-Fi Ready version of the system.

- 1) Take the TITO@Home 4.1(modified board version only) or Wi-Fi Ready version board and plug the Wi-Fi module into the 6-pin port as shown.



- 2) Set DIP switch #3 to the Wi-Fi position. If this is not done the TITO cannot communicate with the Wi-Fi module. If you connect to the wi-fi module and all 3 values for the free play show 0 on the webpage for the module the TITO is probably still set to SD for switch 3. Power down the TITO and switch DIP 3 to the correct position and power back up the TITO. The TITO determines what module to expect on initial bootup only, so the power cycle has to be done.
- 3) Plug the red end of the cable into the board as usual. Be very careful plugging in the cable so you don't cross pins and cause your slot machine to drop the power supply into protect mode and shut it down. I suggest with the Wi-Fi module using the power brick instead of a normal USB port as it is drawing more current than just the TITO board. It is still well within a USB port power capability, but it is suggested to protect weak USB ports.
- 4) You should see the blue power LED on now. If your machine is booted to the point that the communications will be up you should see the orange Link LED come on solid.
- 5) On a device that can connect to Wi-Fi, search for available networks. You should see one named TIToatHome. Connect to this Wi-Fi. The password will be TIToatHome

If you get a message that you cannot connect to the Wi-Fi Network, on the Wi-Fi Module there is a button marked RST. Press and release this button, and wait 5 seconds. Then try to connect again.

- 6) Open a web browser and navigate to the IP address 192.168.4.1. This will be the web address you will always use to connect to the Wi-Fi module. You must be connected to the Wi-Fi that the module is broadcasting to access this web page. Some web browsers may not work well with this module, so you may want

to try a different browser if it says cannot parse data. Specifically, this seems to affect Safari, and only on some phones.

- 7) To change the Wi-Fi name in the future, update the name to what you want it to be in the SSID box (must be 8 characters or more) and click Update.

SSID for Wi-Fi Access

SSID is new WiFi name after power cycle. Password will be always be TIToatHome

This change will take effect on the next power up on the Wi-Fi module.

- 8) In the Free Play section, the boxes will automatically populate with what your TITO is currently flashed with for free play. To change these values, enter new values in the 3 boxes, and click Flash.

Free Play Current Values/Update

Click Flash to update values to TITO.

When you click flash you will see the page refresh and the new values will be shown in the boxes.

- 9) To issue remote commands, click on the buttons for the command you want to send to the machine. The secure free play button will issue the highest currently flashed free play value to the machine even if the DIP switches are set differently. NOTE: Some remote setting options may not work on the machine depending on which commands are supported by that type of machine.

Remote Machine Controls

Functions below may not be supported on all machines.

Note: You will need to connect to the Wi-Fi on each TITO@Home system individually. They do not link together.

TITO@Home data/link LED information:

For version 4.0 and 4.1 boards:

If your red data LED is blinking slowly (once per second), your machine is not communicating with the TITO board.

If your red data light is blinking rapidly (approximately 4 time per second) the board is receiving data from the machine.

For Wi-Fi ready version boards:

If your orange link LED is not lit, your machine is not communicating with the TITO board.

If your orange link light is on, the board is receiving data from the machine.

Warranty Information

TITO@Home Limited Warranty

Effective Date: 1/1/2025

This warranty is valid for a period of **180 days** from the **date of purchase** of the product, provided that the product is registered on the TITO@Home website within **30 days of purchase**. If the product is purchased directly from TITO@Home, the warranty begins on the date of purchase. If the product is purchased from an authorized reseller, the warranty begins on the date of purchase from the authorized reseller.

Warranty Coverage:

TITO@Home warrants that, under normal use and maintenance, the product will be free from defects in materials and workmanship for a period of **180 days** from the purchase date, subject to the conditions outlined below.

Exclusions:

This warranty does not apply in the following circumstances:

Acts of God or other external causes, such as fire, floods, earthquakes, lightning, or other natural disasters.

Misuse, including but not limited to physical damage, water damage, or improper handling.

Modifications made to the product, including but not limited to altering, disassembling, or repairing the product by anyone other than TITO@Home or an authorized repair center.

Normal wear and tear, including degradations that are typical of electronic devices over time.

Registration Requirement:

In order for this warranty to be valid beyond the initial **30 days**, the product must be registered on the official TITO@Home website within **30 days** of the original purchase date. If registration is not completed within this time frame, the warranty will be limited to **30 days** from the purchase date and will expire thereafter.

Repair or Replacement Process:

Return Authorization: To initiate a warranty claim, you must contact TITO@Home customer support to obtain a **Return Authorization Number (RMA #)** before returning the product. Returns without an RMA # will not be accepted.

Shipping Costs: The customer is responsible for all shipping costs associated with sending the product back to TITO@Home for failure analysis. If the warranty claim is approved and the product is covered, TITO@Home will bear the cost of shipping the repaired or replaced item back to the customer.

Repair or Replacement: At TITO@Home's discretion, the product will either be repaired or replaced with a new or refurbished product of equal or greater value. If TITO@Home determines

that the issue is not covered by the warranty, the customer will be notified and may choose to have the product repaired at an additional cost.

No Trouble Found: If no defect is found in the returned product, the customer will be responsible for all shipping charges to return the product to them.

Repair of Damaged Components:

If damaged components of the product are not covered under the warranty, you may opt to have the product repaired at a labor rate of **\$30 per hour** plus the cost of parts. If the estimated repair cost exceeds the current retail value of the product, TITO@Home reserves the right to decline the repair option.

Limitation of Liability:

In no event will TITO@Home be liable for any indirect, incidental, or consequential damages arising from the use of the product, including but not limited to lost profits, data loss, or damage to other equipment or property. TITO@Home's liability is limited solely to the repair or replacement of the defective product under the terms of this warranty.

Miscellaneous:

This warranty is non-transferable and applies only to the original purchaser.

TITO@Home reserves the right to modify or discontinue this warranty at any time, but such modifications will not affect any warranty claims filed before the change.

For customer support or to register your product, please visit the TITO@Home website at www.titoathome.com.

By purchasing a TITO@Home product, you agree to the terms and conditions outlined in this Limited Warranty.

Disclaimer

This product utilizes only system-based validation methods for functionality and does not incorporate any secure or cryptographically verified validation techniques. The validation method is built into the system and cannot be altered, upgraded, or replaced with a different form of verification.

Important Notice: This product is designed and intended solely for entertainment purposes. It is not a gambling device, and should not be used for any form of wagering, betting, or gambling activity. The manufacturer and distributors make no guarantees regarding outcomes, fairness, or accuracy beyond standard system validation behavior.

By using this product, the user acknowledges and accepts these limitations.