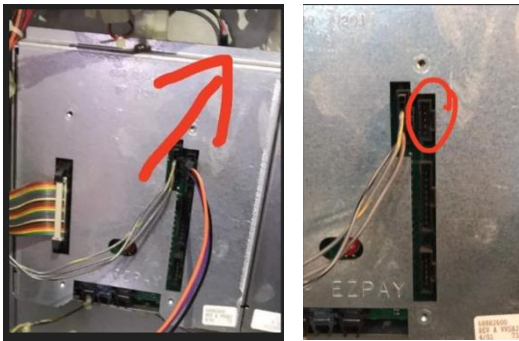# Connecting and setting up the TITO board on S2000

Connect the red connector on the cable to the board as shown in the photo below:



Plug the 3 pin plug into the small plug on the side of the communication board next to the 2 pin connector.  This will supply power to your board.  This connection is always on, so I suggest connecting the machine to a power strip and turning off the machine at the power strip when not in use to make sure the board is not on 24 hours a day when not in use.  If 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.  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:

7.1.3.5 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.

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.

Install Videos:

For just free play (no validator or printer) https://youtu.be/wDBb2DUWGBo

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

TITO@Home version 4.0 data LED information:

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 machine and board are communicating.