SC-MAX sem 200 / 200A

Français au verso

101280

INTRODUCTION

Thank you for purchasing the new SC-MAX Conversion Kit from SEM.

The new SC-MAX Conversion Kit allows you to modify your Standard Change-Maker SC5 or SC5T change machine having a System 200, 200A bill acceptor. The SC-MAX works well with one of the two following MDB bill acceptors: The MEI VN2632-D5M-CN or the Coinco VX73B34CA00 (Vantage).

The new SEM circuit controls the entire machine and interfaces between the coin hopper and the bill acceptor. You can dispense any type of coins including tokens providing you have the proper hopper.

The installation does not require a strong technical background and only few basic tools are required. An average of 20 to 25 minutes is required to perform the installation.

The SC-MAX offers all the same functions that were available with the original bill acceptor and even more, including the sales of tokens, a full detailed audit available on the blue display or printed (printer not included).

Tools required

To perform the job, you need the following tools:

- 11/32" nut driver
- 3/8" nut driver
- 7/16" nut driver
- Phillips # 2 screwdriver
- Long nose pliers

It is quite possible that you may have to install a power outlet in your machine in order to plug in the power supply for the new kit.

DESCRIPTION

Your new kit SC-MAX contains the following:

- An MEI VN2632-D5M-CN MDB or Coinco VX73B34CA00 bill acceptor (may have been sold separately).
- An external stainless steel plate.
- An internal bill acceptor support.
- The SC-MAX circuit mounted on an aluminum plate.
- A **28-volt** Sold Out indicator with its harness.
- One power supply.
- An MDB extension and a flat cable for the Mars Cashflow 330 coin acceptor.
- A plastic bag containing mixed nuts, two washers, retaining ring, and tie-wraps.
- This instruction sheet and a programming flow chart sheet.

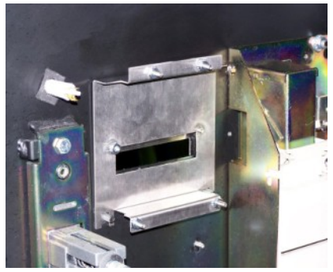
COMPONANTS TO REMOVE

1. Turn power OFF from machine by unplugging from the wall outlet.
2. Disconnect all connectors from the System 200/200A and slide it out. **Do not forget the bills.**
3. You can also remove the rail onto which the System 200 was sliding. It is not required anymore
4. Remove the front plastic bezel held in place with four Phillips screws.
5. Remove the two bronze angled brackets used to align the old bill acceptor properly. Keep the nuts and washers.
6. Remove the **6-volt** sold out indicator located on the front door. You do not need it anymore.
7. Remove the 2-wire harness between the sold out indicator and the already removed System 200. It passes through many loops and back of the hopper.

You can now start installing the SC-MAX.

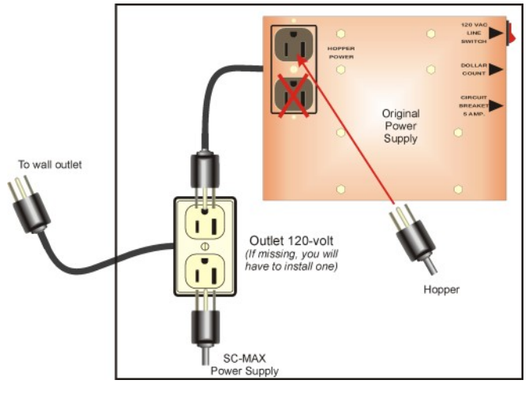
NEW COMPONANTS TO INSTALL

1. Take all items out of the box.
2. Locate the small sold out orange 28-volt indicator with its harness
3. Fix the sold out indicator in place and its retaining ring.
4. Install the exterior faceplate. Fix the two bottom nuts and washers. Do not tight them yet.
5. Put the inside bracket in place. Fix it using the two top studs of the exterior faceplate and the two studs for the bronze angled brackets you previously removed.



6. You can tight all nuts.
7. Fix the new circuit board wherever you can fix it solidly, usually on the back wall.
8. Install the MEI or Coinco bill acceptor using the 11/32" hex nuts provided with the kit.
9. Pass the cables making sure you do not damage them with the continuous opening of the door or the hopper tilting or any other moving parts. The cables are: the MDB communication, the "Sold out" light indicator and the flat coin acceptor cable. ***See note about the coin acceptors.***

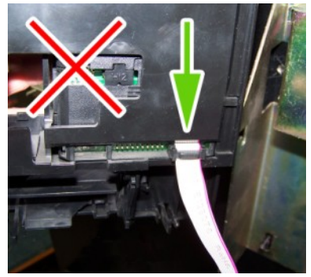
10. Start connecting the cables to the SC-MAX as follow:
    - ⇒ MDB communication cable.
    - ⇒ Flat black connector in the proper socket. (Be careful as there are two types depending the age of your machine. One has a 10 pins and the other has 11 pins. **Do not attempt to connect the 10-pin connector into the 11-pin socket.**
    - ⇒ Coinco or Mars coin acceptor (See note on coin acceptors).
    - ⇒ Hopper cable into Hopper A.
    - ⇒ "Sold out" indicator.
    - ⇒ 24-volt power coming from the new power supply.
11. The new power supply takes it source in the 120-volt power outlet in the machine as seen below. If there is none, you will have to install one. **ATTENTION: The power outlet located on the original power supply of the machine, where the hopper connects, is not a valid source to power up your new SC-MAX.**



Note about the coin acceptors

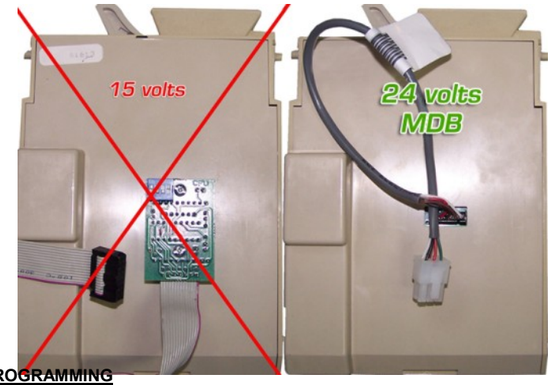
MARS CashFlow 330

If your Mars Cashflow 330 coin acceptor is equipped with the small vertical interface to its right, this has to be removed. Coming with the SC-MAX is a small 10-pin flat cable as seen below. Connect it as shown below.



Coinco GX

The Coinco 15-volt that was connecting to a small interface on its back or halfway to the old bill acceptor MUST be replaced with a Coinco GX 24-volt MDB with its cable. It connects to the "Y" MDB harness of the bill acceptor. Contact SEM if you are not sure.



PROGRAMMING

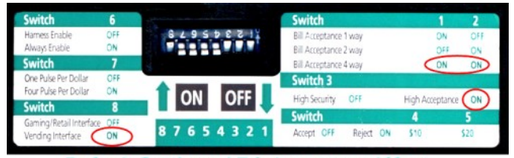
The SC-MAX offers you a full programming of its functions. This programming is achieved using the push buttons on the circuit and the blue LCD display. Another sheet comes with the SC-MAX Conversion Kit. It is an easy-to-follow flow chart.

PROGRAMMING THE BILLS TO ACCEPT

Programming the bills to accept is done directly on the bill MEI acceptor. On one of the side of the bill acceptor is a green and white sticker surrounding the programming dipswitches. The switches are:

- 1-2 Ways of insertion of the bills (ON-ON)
- 3 High security (OFF) or more permissive acceptation (ON)
- 4 $10 bills accepted (OFF) or rejected (ON)
- 5 $20 bills accepted (OFF) or rejected (ON)
- 6 The enable signal is managed by the SC-MAX (OFF).
- 7 Pulse per dollar (OFF)
- 8 Vending Interface (ON)

The default setting should be 1, 2, 3, and 8 ON; the others OFF. This will result in a four-way acceptance, a permissive acceptation, $10 & $20 bills accepted, enable signal managed by the circuit, one pulse per dollar and vending interface. Bills to accept must also be programmed in the SC-MAX using the flow chart.



Default Settings / Réglages par défaut
MEI VN Series

If you are using a Coinco bill acceptor, consult the Quick Reference Guide included with this bill acceptor.

BEFORE APPLYING POWER TO YOUR MACHINE, READ THIS

The original power supply of the machine now only serves to power up the coin hopper. It does not power up the new SC-MAX Conversion Kit. For your machine to work properly, the main switch must be ON and the new power supply plugged. This means that when you wish to shut down power in the machine, you will need to do it from both sources or simply unplug the entire machine from the wall. Apply power and test with every bills and coins to make sure you dispense the proper change.

HOPPER DUMP FUNCTION

An empty hopper still have few coins left in the dispense mechanism. You can dump it. A hopper must be empty to dump. Press on the DUMP button for about 3 seconds. The hopper motor starts turning clearing the coins left.

ERROR MESSAGES

The SC-MAX enables the diagnosis of problem through the blue LCD display. The "Empty" light indicator will serve as an alarm telling you to open the machine. If it flashes, one or more coin hoppers are empty. If it's ON solid, there is an error in the system. The error will then be visible on the display. Any error messages can be cleared using the CLEAR button on the SC-MAX. Below are the most frequent error messages.

Message	Means	What to do
Bill box out of position	Bill box on the acceptor is misplaced	Place it back correctly.
Bill jammed, call service operator *	Bill jammed in the bill acceptor.	Remove it.
Check Hopper / Value Settings	No value assigned to hoppers	Program the coin value for the hopper.
Coin jam, push coin return *	Coin jammed in the coin acceptor.	Remove coins.
Fast vend shut off reached!	The quantity of bill inserted surpasses the limit set. (see System Settings).	Adjust if needed
Hopper(s) A B C D anti-jack-pot	Hopper A, B, C, or D saw a coin passing by without authorisation or + than 100 coins went out or hopper value programmed while hopper absent or no communication with hopper.	Check the hopper, make some tests, change it in case of doubt. Check programming. Program a value to hopper present only. Check communication cable to hopper.
Hopper(s) A B C D has coin jammed	Hopper A, B, C, or D is jammed.	Shut power OFF and clear the jam.
Hopper(s) A B C D has opto blocked	Hopper A, B, C, or D has it coin detector obstructed.	Open the hopper panel to clear the obstruction.
Hopper(s) A B C D Sold Out	Hopper A, B, C, or D is empty or original main	Fill it up or switch original power ON.
Validator error, stacker full	Bill stacker is full.	Empty it!

** Messages visible by the customer on the optional external display.*

Manufactured by:
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SC-MAX
Flow Chart
Audit & Programming

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Français au verso

MENU Black button NEXT — **ENTER** Green button CONFIRM — **CLEAR** Red button + — **DUMP** Blue button - See note bottom of page

SC-MAX V3.3 Ready

Pressing the blue button at anytime sends the report to the printer. You can erase the audit after the print-out.

Audit

Hopper A out: 0 → **Hopper A out: Cumulat.:** 0 → **Hopper B out:** 0 → **Hopper B out: Cumulat.:** 0 → *If you have more hoppers, the same information will be available.* → **Coin box:** $000.00 → **Bill box:** $000

Cash in: $0.00 → **Cash in: cumul.** $0.00 → **Cash sales:** $000000000.00 → **Total sales:** $000000000.00 → **Reset meters? Hold RED button**

Reset meters? → **CLEARED !** → **SC-MAX V3.3 Ready**

Press and hold 3 seconds

Last bills accepted

Pressing the blue button at anytime will send the log to the printer.

This will show you the last twenty bills that were accepted starting with the most recent.

To scroll...

To exit !

Currency setting

Currency setting $0.05 no → **Currency setting** $0.10 no → **Currency setting** $0.25 no → **Currency setting** $1.00 yes → **Currency setting** $2.00 yes → **Currency setting** $5.00 yes → **Currency setting** $10.00 yes → **Currency setting** $20.00 yes

Press + to toggle from YES to NO and confirm with Green. Currency will vary depending type of peripherals connected to the SC-MAX.

Hopper value

Choices are: Without, .05, .10, .25, 1.00, 2.00, token, SCM relay interface, and SEM relay interface.

Hopper value A: 1.00 → + / − → **Saving one moment please**

Hopper value B: 2.00 → + / − → **Saving one moment please**

Hopper value C: Without → **Hopper value D:** Without

The majority of machines only have two hoppers. If your machine has more, program their value the same way you did for hoppers A & B.

Accumulate Value (Vend price set)

Accumulate value $0.00

Press + or − enter the value. Confirm with Green.

Accumulate value Hopper A: 0 → **Accumulate value Hopper B:** 0

Press + or − enter the value. Confirm with Green.

For 1$ Hopper A: 0 → **For 1$ Hopper B:** 0

For 2$ Hopper A: 0 → **For 2$ Hopper B:** 0

For 5$ Hopper A: 0 → **For 5$ Hopper B:** 0

For 10$ Hopper A: 0 → **For 10$ Hopper B:** 0

For 20$ Hopper A: 0 → **For 20$ Hopper B:** 0

If you have hoppers C and D, program them according to your needs.

Hoppers dispense

System settings

Language → **Language English** → Press + or − to change it. → **Fast vend Shut off**

Max qty of bills 0 bills → **Time period** 0 minutes → **Error time out** 0 minutes

Clock setting → **year/mo/dy-hr:mn** 2015/12/25-23:59

Press + or − enter the value. Move digit and confirm with Green.

Para. Coin Panel → **Para. Coin panel** yes

Machine ID 0000 → **Kill relay**

Kill relay ON → **Transfer**

See note bottom of page

Transfer Equal or less → **Hold Escrow** → **Print param.** → **Printing in Process...**

Choices are *none, equal or less* and *equal*.

Choices are yes or no. Press + or − to change. Confirm with Green.

See note bottom pf page

Events report

This will show all the errors that have occured and when it did, starting with the most recent.

To scroll... To print

To exit !

SC-MAX V3.3 Ready

Dump: The blue button allows to dump an empty hopper. Press and hold button for 3 seconds.
Parallel acceptor: Mars Cashflow 330 acceptor with flat grey cable (black acceptor).
Kill Relay: Enables to keep 120 volts present all the time on the hopper power plugs (OFF) or only when a payout takes place (ON). If the machine goes out of order, no voltage will be present in the plugs. This allows the installation of some remote warning device for the operator.
Transfer: It transfers payment to another hopper if the value is equal or less than the empty hopper. (i.e. $1 hopper empty, transfers to the 25¢ hopper). The transfer cannot go to a higher value hopper (i.e. 25¢ hopper empty, **no transfer** to the $1 hopper).
Hold escrow: When using the accumulate value function, you can keep extra credits for the following transaction.