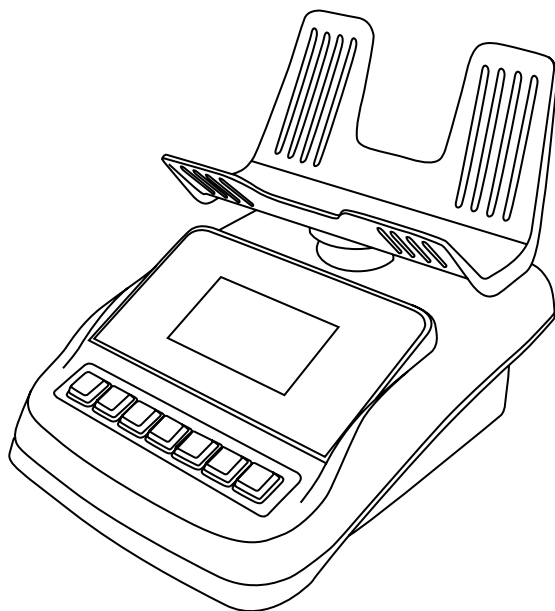




Cashmaster Sigma 105

User Manual



www.cashmaster.com

Cashmaster Sigma 105

User Manual

Thank you for choosing the Cashmaster Sigma 105 money counter. The Sigma 105 is an invaluable, easy to use, and highly accurate money counting device. The Sigma 105 is designed to manage your cash intelligently, with accuracy and efficiency. With the Sigma 105 you will speed up cash counting and reconciliation up to six times faster than by hand.

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Faster, Accurate and Even More Intelligent

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Introduction

Introduction

The Cashmaster Sigma 105 is an electronic weighing device which calculates the value of coins and bills. The Cashmaster Sigma 105 supports your domestic currency: bills and coins. The intuitive user friendly interface guides you through the cash counting process. The Cashmaster Sigma 105 is programmed to count the contents of a typical cash register:

- Bills (loose)
- Coins (loose, rolled)

Using the Cashmaster you will notice some changes in the way you work:

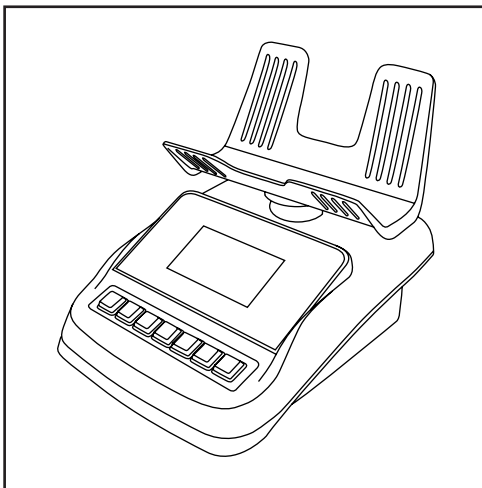
- Reduced paperwork
- Streamlined working methods making the business more competitive
- More time to concentrate on Key Tasks

Guidelines

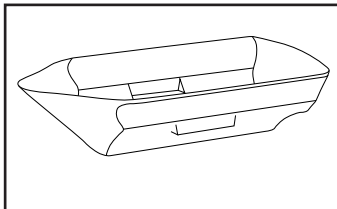
1. Place the Sigma 105 on a firm, even surface, away from drafts and vibrations.
2. Insert the Tray, pushing down **VERY** firmly into position until it clicks.
3. Ensure area around the tray is kept clear.
4. The coin scoop should **NOT** be placed on the device before switching on.
5. Plug in the AC adaptor and switch on at the mains.
6. The device is not a counterfeit detector and hence will not detect counterfeit money.
7. Weights may vary from the initial factory setting. It may be necessary to carry out some initial bill 'learning' in order to quickly adjust the machine to your local conditions.
8. Ensure money is sorted by denomination before counting. Mixed denominations cannot be counted.
9. Do not subject the device to strong impact or shock load by any means.
10. Ensure that money is placed onto the equipment with reasonable care.

Box Items & Guidelines

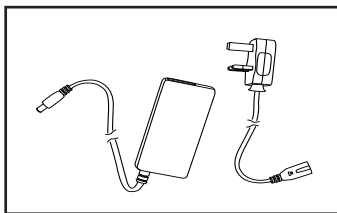
Cashmaster Sigma 105



Scoop



AC Adapter



Maintenance

Ensure power is switched off during cleaning.

Clean machine with dry cloth only. *Do not use cleaning products or damp material.*

Do not spill any liquids on device. If liquid is spilled on device, disconnect the power cable and contact your supplier.

Do not leave any objects on the Cashmaster or tray when not in use.

Charging

Charging takes approximately 3 hours.

Only use the device with the factory supplied power adapter.

When the LED is red this indicates that the battery is fast-charging.

When the LED is green the battery is fully charged.

When the LED is flashing the battery is very low and the unit is on slow charge.

If the LED continues to flash for more than 3 hours the battery may have a fault (*in event of this, switch off the power at the mains and contact Customer Support*).

Warning

Do not use a damaged or wet power adapter.

Do not connect power adapter with wet hands.

Do not place weights over 1.5kg on the device.

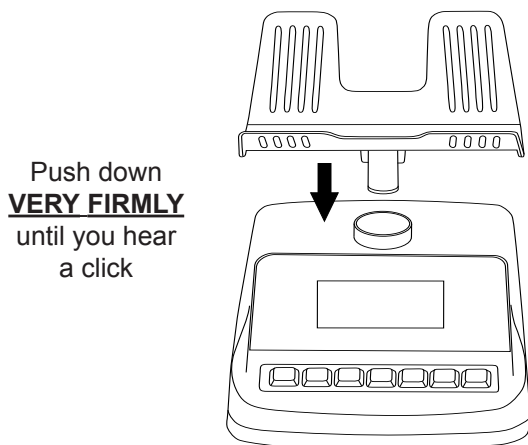
Do not disassemble the device, sensitive elements in the scale may be affected and this will affect your warranty.

**If any of the above are missing please contact Customer Support on
1877 - CASHMAS**

Guidelines

Unpacking

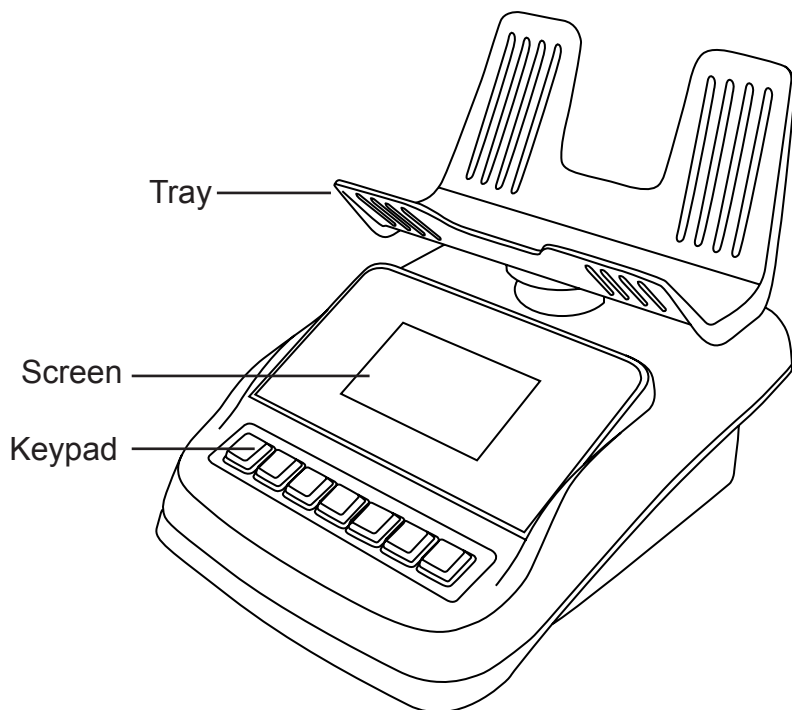
1. Unpack your Cashmaster machine and check that you have a Cashmaster scale, a tray and a power adapter.
2. Fit the tray into the top of the Cashmaster scale. Push down **very firmly** until it clicks into place.
(To remove the tray, hold Cashmaster machine firmly and twist the tray until it clicks, then lift the tray from the base)
3. Plug the power adapter into the socket at the back of the Cashmaster scale.
4. Place the Cashmaster scale on a firm even surface.
5. Ensure the tray is empty (the coin scoop/till cup should NOT be placed on the tray before switching on).
6. Plug the power adapter into the power source.
7. The Cashmaster can now be operated from mains power or from battery. When the battery is low the display will show "low battery, recharge now".



To fully charge the battery, plug the Cashmaster machine into the mains. The LED on the front will show **GREEN** (for one second) then **RED**.

(A **RED** LED indicates that the battery is charging. The charging process can take up to three hours. A **GREEN** LED indicates that the battery is fully charged and the unit is connected to the external power supply. If the LED continues to flash for more than 3 hours the battery may have a fault (*in event of this, switch off the power at the mains and contact Customer Support*). No colour indicates that the unit is running on its internal battery.)

Cashmaster Sigma 105



The Cashmaster Sigma 105 shown above is the device you are going to use. There are three main component parts:

- the keypad
- the screen
- the tray

The Cashmaster is robust, and will stand up to all normal Cash Office activities. Treat it with sensible care.

Keys and Display

The Keypad

To keep counting as easy as possible, the number and layout of the keys on the keypad has been kept simple.



The 'keys' are 'full motion' similar to those on home computers. They have their functions printed on them. They are designed to resist spills and increase durability.

The Screen

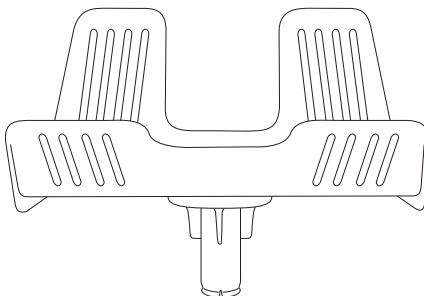
This is where you will see:

- displays of the amounts counted
- messages related to Cashmaster functions

| | | | |
|-------|-------|------------|-------|
| ↑↑ | | 19.01.2009 | 10.15 |
| 1c | Scoop | | |
| Coins | | | |
| USD | 0 | | |
| Total | 0 | | |

The Tray

The tray is designed to hold scoops, till cups, rolled coins, loose bills and banded bills. To insert, place the tray on the Cashmaster and **push down very frmly**, until your hear a click.



Key Identification



The **ON/OFF** key. Press once to switch machine on. Press and hold down to switch machine off.



The **COINS/BILLS** key. Used for selecting coins, bills or rolls.



The **C/+** key. Used for clearing values, and adding to totals.



UP and DOWN arrow keys. Used to toggle between up or down (through denominations).



The **PRINT** key. Press once for a print out of the totals.



The **FUNCTION** key. In combination with other keys is used to control various settings.

Fast Keys

Fast key functions are easy access controls that allow you to quickly enter settings within the Cashmaster. More information is available on further pages.
To perform the fast key functions press both keys simultaneously.



Set Bank Limit



Auto Add on/off toggle



Bank on/off toggle



Calibrate Scoop



Auto Scroll on/off toggle



Switch Currency

**For assistance please contact Customer support (toll free) on:
1 - 877 - CASHMAS**

Getting Started

What You Can Count

BILLS

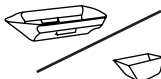


Loose - for counting loose bills.
Loose bills are counted by placing up to 30 bills at any one time. Continue to add bills of the same denomination in quantities of up to 30, until all bills from the selected denomination have been counted.

COINS



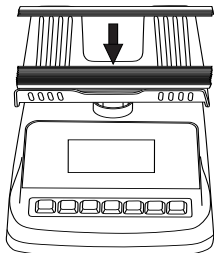
Rolls - for counting and checking rolls of coins.



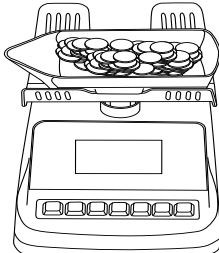
Scoop or Till Cup - for counting loose coins that are on a scoop or other calibrated container.

How To Count Cash Items

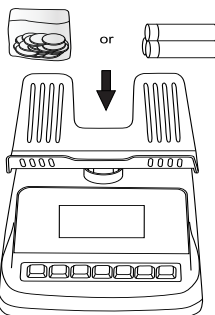
Bill Counting



Coin Counting



Roll Counting




Switching On

Press 

When the Cashmaster is initially switched on, the display will show the following **“Place Empty Scoop On Scale”**.



You must now place the scoop provided on top of the tray. This container is now ready to use with the machine. (Please bill the scoop must only be used for counting coins).

A light blue rectangular box representing the machine's display screen. Inside the box, the text 'Place Empty Scoop On Scale' is centered in a dark teal, sans-serif font.

Place Empty
Scoop On Scale

You are now in count mode.

To recalibrate the scoop at any time (ensure the tray is empty):




Press  and  , and follow the on screen prompt.

Getting Started


Setting Bank Mode

This function allows you to set the bank value on the Cashmaster. (This can be changed at a later date)

Press  and  to enter bank setting.

Use  to select value position, use   to adjust bank value.

| | | | |
|-------|-------|------------|-------|
| ↑↑ | | 19.01.2009 | 10.15 |
| 1c | Scoop | | |
| Coins | | | |
| USD | 0 | | |
| Total | 0 | | |

Press  when finished to set bank.

Switching starting Bank mode on/off

Once you have stored your default bank amount in memory, you can switch the bank mode on/off as required.

Press  and then  to toggle bank on/off.

The display will show the current bank amount stored and you may begin counting in bank mode.

Indicates bank is on →

| | | | |
|-------|--------|------------|-------|
| ↑↑ | | 19.01.2009 | 10.15 |
| 1c | Scoop | | |
| Coins | | | |
| USD | 0 | | |
| Bank | 100.00 | | |


Indicates bank is off →

| | | | |
|-------|-------|------------|-------|
| ↑↑ | | 19.01.2009 | 10.15 |
| 1c | Scoop | | |
| Coins | | | |
| USD | 0 | | |
| Total | 0 | | |

Switching Auto-Add On/Off


Auto add is a feature which allows the Cashmaster to automatically add the value of any bill/coin amount (which is placed on the tray) to the total amount.

If **Auto-Add is on**, the value displayed will be automatically added to the totals whenever the cash is placed on the tray.

If **Auto-Add is off**, the value displayed will not be automatically added to the totals, you must press  while the value is being displayed and the cash still on the tray, to add the value to the totals.


Your device may already have Auto Add set to on/off as default. See below

Indicates auto-add is on



| | |
|------------------|-------|
| 19.01.2009 10.15 | |
| 1c | Scoop |
| Coins | |
| USD | 0 |
| Total | 0 |

Indicates auto-add is off



| | |
|------------------|-------|
| 19.01.2009 10.15 | |
| 1c | Scoop |
| Coins | |
| USD | 0 |
| Total | 0 |

To switch Auto-Add on/off press  and  simultaneously

Getting Started

Switching Scroll On/Off

Auto Scroll feature allows the Cashmaster to automatically advance to the next denomination when the value has been added to the total and the money is removed from the tray.

If **Auto-Scroll is on**, once cash is removed from the tray the denomination will automatically be advanced.

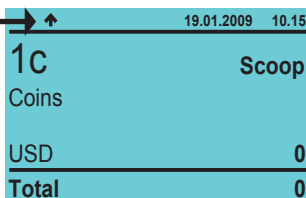
If **Auto-Scroll is off**, the value displayed will not automatically advance denomination, you must manually select the next denomination required using the



keys.

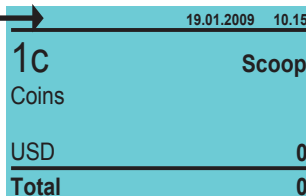
Your device may already have Auto scroll set to on/off as default. See below

Indicates auto-scroll is on

A screenshot of a Cashmaster screen. At the top, there is a status bar with the date '19.01.2009' and time '10.15'. Below this, the screen displays '1C' in large font, with 'Coins' underneath it. To the right, the word 'Scoop' is displayed. Further down, 'USD' is shown with a '0' to its right. At the bottom, 'Total' is shown with a '0' to its right. An arrow points from the text 'Indicates auto-scroll is on' to a small upward arrow icon in the top right corner of the screen.

| | |
|------------------|-------|
| 19.01.2009 10.15 | |
| 1C | Scoop |
| Coins | |
| USD | 0 |
| Total | 0 |

Indicates auto-scroll is off

A screenshot of a Cashmaster screen, identical to the one above. It shows the date '19.01.2009', time '10.15', '1C' denomination, 'Coins', 'Scoop', 'USD 0', and 'Total 0'. An arrow points from the text 'Indicates auto-scroll is off' to a small rightward arrow icon in the top right corner of the screen.

| | |
|------------------|-------|
| 19.01.2009 10.15 | |
| 1C | Scoop |
| Coins | |
| USD | 0 |
| Total | 0 |

To switch auto-scroll on/off press




and





simultaneously.

Counting Loose Coin


Press the  key until the following is displayed.

| | | |
|-------|------------|-------|
| ↑+ | 19.01.2009 | 10.15 |
| 1c | Scoop | |
| Coins | | |
| USD | | 0 |
| Total | | 0 |

Use the   keys to select the correct denomination for counting.

Place the scoop/ till cup of the selected coins on the tray; the Cashmaster will beep and the display will show the value of the coin and the number of coins in the scoop/ till cup :


If **Auto Add is on**, The Cashmaster will automatically update the totals, and beep to confirm the add. Remove the cup from the tray and advance to the next denomination in the sequence.

If **Auto Add is off**, leave cup on the tray and press  to add to the total, the Cashmaster will beep to confirm the value has been added to totals. Remove the cup from the tray and advance to the next denomination in the sequence.

Note: If bank mode is on, the bank amount will decrease as more money is counted, it will be displayed at the bottom of the screen; once the bank amount has been reached your Cashmaster will signal with a double beep, the screen will show the total amount for the day; the bank value has already been taken into account.

Counting

Rolled Coins




Press the  key until the following is displayed.

| | | | |
|-------|--|------------|-------|
| ↑+ | | 19.01.2009 | 10.15 |
| Rolls | | | |
| USD | | | 0 |
| Total | | | 0 |

Place a roll of coins on the tray. If the roll is full the Cashmaster recognises the weight. The denomination, together with the value, is shown on the display. *For typical Roll quantities see page 21.*

For certain denominations of rolls the display will show:

**(2) Possible
Results**



You are required to select the denomination of the roll which is on your Cashmaster using  or . Press the  key to accept the value.


If the machine does not recognise the weight as a full roll the following will be displayed.

* **Suspect** *

then

**Select Actual
Denomination**

Using the   keys, select the actual coin denomination and the machine will then display the value together with the number of coins in the roll.



Press the  key to accept the value and add to the grand total.

Learning - Bills Only


Press the  key to select bill mode.

All Cashmaster machines are calibrated at our production facility to the average bill weights of your domestic currency. As bill weights vary slightly depending on age and usage and humidity of the environment, the following should be completed on receipt of your new machine.

(Please ensure Auto Add/Scroll has been switched off before beginning "Learning" see page 11 and 12.)

1. Press  or  until you reach the bill denomination required.
2. Place 8 -10 bills of the chosen denomination on the tray.
3. When the Cashmaster beeps add some more bills.
4. Remove all bills from the tray.
5. Repeat steps 2 - 4 several times each time increasing the number you can apply in one slice. After repeating a few times you will be able to apply 25 - 30 bills in one go.

If the display shows :




Too many
Remove Some

remove a few until you see a valid reading, then continue.



Counting

Counting Loose Bills

Please ensure your Cashmaster is set to your domestic currency before continuing.

Press the  key until the following is displayed.

| | | |
|-------|------------|-------|
| ↑+ | 19.01.2009 | 10.15 |
| <hr/> | | |
| \$5 | | |
| Bills | | |
| <hr/> | | |
| USD | | 0 |
| Total | | 0 |

Use the   keys to select the correct denomination for counting.

Place bills of the selected denomination on the tray.

Bills should be applied in slices of up to 30 bills at a time. The device is constantly learning, if too many bills are applied this message will be displayed.

**Too many
Remove Some**

Simply remove a few bills until the message disappears, then continue adding bills to those already on the tray.

Repeat above steps for each denomination of bill. To skip a denomination,

press  or .




Adding

To add a value, currently on the display, to the total press the  key.


Auto Adding/Scrolling

For auto adding and auto scrolling see page 11 and 12.

Clearing the Sub-Totals

Select the denomination to be cleared by using  and  keys then press the  key momentarily.

Clearing Totals

Press and hold the  key until screen prompt shows “Press C key again to confirm”.

To clear the totals now press the  key again. To cancel clearing press any other key.

Printing the Totals

Providing a printer is connected, print the totals by pressing the  key.

(When using the printer it is always advisable to operate the machine with the mains adapter connected).

Grams Mode

Grams Mode

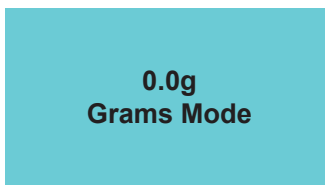
Grams Mode can be used to :


1. Weigh and/or directly compare bundles of bills.
2. Check that the scale is weighing correctly by applying a weight known to be accurate.

To enter Grams Mode :



Press the  key and  key simultaneously.

The display will show :



If the Cashmaster drifts from 0.0g when the tray is empty, press  to reset scale to zero.


To exit Grams Mode and return to normal operation :

Again press the  key and  key simultaneously.



| Mode | Message | Description |
|---------------------|---|---|
| Coins | | |
| Loose/ Rolled | Too much weight on scale | This means there is too much weight on scale, simply remove some. The Cashmaster will weigh up to a maximum of 1.5kg. |
| Roll | * Suspect * | Roll applied is suspect. User may leave roll on tray and select the correct denomination for an actual roll amount. |
| Bills | | |
| Loose bill counting | PRESS ZERO KEY | Cashmaster has drifted from zero (usually due to draft or vibration). Ensure the tray is empty, then press on/off key momentarily. |
| Loose bill counting | Please remove scoop/till cup from scale | Please remove scoop/till cup from the scale. User has selected a bill denomination while the cup is still on the tray. Remove the scoop/till cup. |
| Loose bill counting | Too many Remove some | Bills should be applied in amounts of up to 30 at a time. Simply remove a few bills until the message disappears then continue counting. |
| Misc | | |
| | High vibration lockout | Check that the Cashmaster is placed on a level surface and away from vibrations and drafts (e.g. air conditioning or fan). |
| | Battery low | Plug machine into power supply to recharge battery. |
| | Print timeout | Ensure that printer is switched on and properly connected to the scale before retrying. |
| | Scale is below minimum weight! | Indicates that the tray has not been placed correctly. Ensure tray is pushed firmly into the Cashmaster. |

FAQ's

How do I clear sub totals?

Select the desired denomination and press  key momentarily.




How do I clear grand total?

From the count screen hold down the  key until the confirmation is displayed. Press the  key again to confirm and clear.

How do I access/leave Grams Mode?

Press simultaneously the  key and the  key.

How do I update the firmware?

1. Ensure that the machine is turned off.
2. Remove cover located to the left underneath the machine.
3. Insert the SD card in slot marked "SD-CARD".
4. Connect the machine to the power adapter.
5. Press and hold down the  key for approximately 10 seconds
6. The serial number will be displayed.
7. Press the   keys simultaneously and the update will commence, please allow up to 2 minutes for prompt to remove the SD card.
8. Remove the SD card.

The SUSPECT ROLL message displayed

Roll applied has a suspect weight – select the correct denomination by using the arrow keys.

What is the maximum weight the machine can weigh?

1.5kg.

What do I do if my printer does not work?

1. Ensure printer is connected to machine
2. Ensure printer has power
3. Ensure printer is loaded with correct paper
4. Ensure paper grip lever is in downward position

What are the typical “full” Roll quantities for my currency?

| Currency/ Denomination | USD (USA Qty) |
|---------------------------|---------------|
| 100c | - |
| 50c | - |
| 25c | 40 |
| 10c | 50 |
| 5c | 40 |
| 1c | 50 |

These Roll quantities are default from factory settings that the cashmaster will recognise automatically. For roll quantities outwith the listed quantities the user is required to select the denomination manually using the coin up/down keys.

**For all other problems or issues contact our Customer support (toll free) on:
1 - 877 - CASHMAS**

Technical Specification

Cashmaster Sigma 105 Specification

| | |
|-------------------------|-----------------------------------|
| Weight | 1kg |
| Dimension | 162mm (W) x 172mm (H) x 224mm (D) |
| Load Capacity | 1.5kg |
| Power Supply | Mains adapter 12V 2.5A |
| LED red: | Battery charging |
| LED Green: | Battery fully charged |
| LED flashing red/green: | Very low battery and charging |
| LED off: | Power from battery only |
| Battery Type | LiPo 7.4V 1250mAh |



Customer support (toll free): 1- 877- CASHMAS



serviceusa@cashmaster.com



www.cashmaster.com

**For all Warranty issues please contact our Customer support (toll free) on:
1 - 877 - CASHMAS**

Declaration of Conformity



EC Declaration of Conformity

Cashmaster Sigma models manufactured in Scotland, Rosyth are in conformity with the provisions of the following European Directives:

89/336 and 93/68/EEC Electromagnetic Compatibility Directive
73/23 and 93/68 /EEC Low Voltage Directive

FCC compliance statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from the one which the receiver is connected to.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Approvals



Complies to
EU Directive,
2002/95/EC

RoHS
2002/95/EC

Complies with
EU Directive
2002/96/EC
on the restriction
of hazardous
substance
in electrical
& electronic
equipment

Signed for Cashmaster Ltd

Douglas Reid
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