

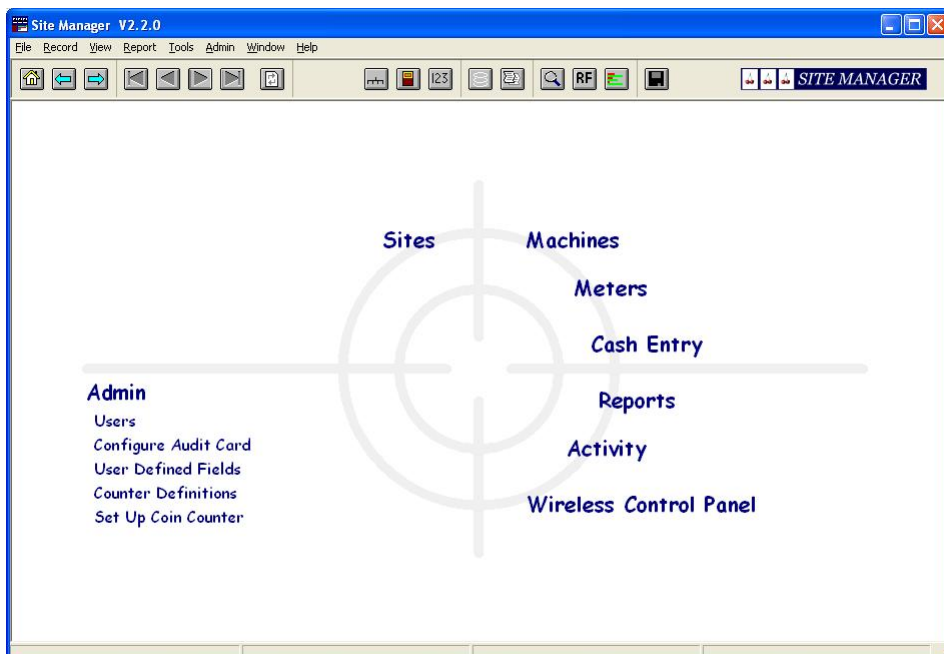


USER GUIDE

Version: 2-2-0

Date: January 2008

This software is licensed for installation and use on a single computer. Please refer to the license conditions in Appendix 5.



**Contents**

1	INTRODUCTION AND INSTALLATION	3
1.1	SYSTEM REQUIREMENTS	4
1.2	SOFTWARE INSTALLATION	4
1.3	RUNNING SITE MANAGER	7
1.4	FILE MANAGEMENT	7
2	SITE MANAGER – PRINCIPLES OF OPERATION	8
3	SETTING UP A SITE	9
4	DATA ENTRY OPERATIONS.....	21
4.1	LOADING READINGS FROM A SMART CARD.....	21
4.2	ENTERING MANUAL READINGS.....	22
4.3	ADJUSTMENTS.....	23
4.4	ENTERING MANUALLY COUNTED CASH AMOUNTS.....	24
4.5	SETTING UP AN ELECTRONIC COIN COUNTER.....	26
4.6	WORKING WITH A COIN COUNTER.....	31
5	REPORTS	34
5.1	SUMMARY REPORT.....	37
5.2	DETAIL REPORT	38
5.3	FLOAT REPORT.....	39
5.4	CASH RECONCILIATION.....	40
5.5	PERFORMANCE REPORT.....	42
5.6	ACTIVITY REPORT	43
5.7	MACHINE STATUS REPORT.....	44
5.8	COLLECTION DETAILS	46
5.9	MACHINE MOVEMENT REPORT	47
6	WIRELESS CONTROL PANEL.....	48
6.1	EVENT AND ALARM LOGGING.....	48
6.2	ALARM TAB.....	49
6.3	DIRECT MACHINE CONTROL TAB.....	50
6.4	SITE SETUP TAB	51
6.5	WIRELESS ROUTER TAB	52
7	GRAPHICAL ACTIVITY DISPLAY	53
8	SPECIAL FEATURES.....	54
8.1	USER COUNTERS	54
8.2	USER FIELDS	56
8.3	USER LOGIN PRIVILEGES.....	58
8.4	MISCELLANEOUS FUNCTIONS.....	59
8.5	SEARCHING FOR A SPECIFIC SITE, MACHINE OR METER	59
8.6	LICENSE INFORMATION, TRANSFERS AND UPGRADES	60
APPENDIX 1	COUNTER TYPES AND USES.....	63
APPENDIX 2	CONFIGURING EC3 COUNTERS USING A SMART CARD	64
APPENDIX 3	CREATING A DATA COLLECTION SMART CARD.....	66
APPENDIX 4	REPORT FIELDS	67
APPENDIX 5	END-USER LICENSE AGREEMENT	68
APPENDIX 6	CONFIGURATION FILE	70



1 Introduction and Installation

Site Manager™ from JCA Systems Ltd provides a simple to operate, fully professional, data capture and reporting capability for both small and large operators of gaming and amusement machines. Users of the system can fully track cash to minimise the risk of losses and use the extensive reports to monitor machine and site performance.

The system is suitable for:

- Amusement Arcades
- Single Site Operations
- Multiple site Operations
- Owner run and Managed operations

Different versions of **Site Manager** are available to suit the size and style of operation, whilst individual user access levels can be set for appropriate security.

Site Manager supports manual data collections but offers maximum efficiency when used in conjunction with the JCA Systems Ltd data collection units EC3, EC4 and EC5 to give rapid and error free electronic readings.

EC3, EC4 & EC5 Common features

- Secure electronic counts held in non-volatile storage.
- Machine connection:
 - Industry standard BACTA dataport (SAS option available)
 - 6 direct meter inputs that can replace electro-mechanical meters.
- 34 separate counters track all cash items “in and out” as well as totals from the BACTA dataport
- 6 separate “hardware” counters for direct inputs
- “Operating hours” counter
- Backup “resettable” and “snapshot” counters
- Quick and simple installation and set-up
- All readings “date and time” stamped
- 12v DC operation
- Date & time stamped “activity log” of machine events including power on/off, BACTA machine alarms, door opening and tampering. Spare inputs can be used for extra Alarms.



EC3 Counter

- Full electronic data collection by SMART card
- One SMART card can hold readings from up to 100 machines
- SMART card set-up of EC3 unit

EC4 & EC5 Counter

- Full electronic data collection and set-up
- Licence-free local wireless data network (EC4)
- GSM/GPRS wireless data connection (EC5)
- Interactive machine readings “on-demand”
- Regular machine readings
- FULL activity tracking – Alarms, Cash In, Cash Out and Refills
- Machine Alarms reported to management PC (optionally by SMS text message as well on the EC5)
- Optional Alarms sent when cashbox or service doors opened
- Remote machine shut-down (BACTA dataport machines)



1.1 System Requirements

- **Site Manager** CD
- SCM 335 or SCM 3310 USB Card Reader (EC3 meters only)
- 256K Smart Card (EC3 meters only)
- PC with the following specification:

	Minimum	Recommended
Processor	Pentium 200MHz Processor	Pentium P4 1000MHz or better
RAM	128M byte	> 256M byte RAM
Hard Disc Space	200Mbyte	> 400Mbyte
Graphics	800x600 16 colour SVGA	1024 x 768 256 colour SVGA
Operating System	Windows 98SE	Windows Me, 2000, XP
CD-ROM	Yes	Yes
Wired Network port	One for wireless RF sites	One for wireless RF sites
RS232 Serial port	One for Cash Counter Links	One for Cash Counter Links

- Microsoft Excel® 97 or later to use the direct Excel® report exporting facility. (OpenOffice NOT supported)

1.2 Software Installation

(i) Installing the Site Manager Application

- The CD will autorun – follow the Installshield instructions to install both the Site Manager Application and the card reader drivers. It is recommended that the card reader drivers are ALWAYS installed
- Should the CD not “autorun”, browse to the CD drive and run the programme “setup.exe” to launch Installshield directly.

(ii) Licensing

Site Manager is distributed on CD as a 30 day “trial” version, limited to 1 site and 50 machines. In this mode every time you run the software a screen is displayed showing the number of days remaining in the trial:





Select the **Continue** button to access the software as normal. When the trial expires you will not be able to run **Site Manager**.

To convert the software to a fully licensed version select the **Unlock by Phone** button. This will generate two "**User Codes**" codes as shown below:

License Activation

User Code 1: 315296801

User Code 2: 1787869

Company Name: [Empty]

Reg Key 1: [Empty]

Reg Key 2: [Empty]

Ok

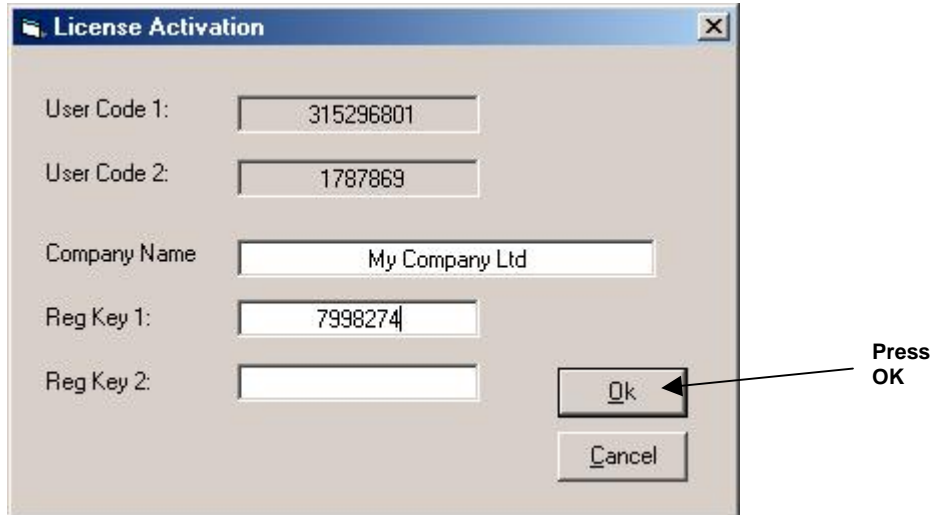
Cancel

Press CANCEL

Make a note of these two numbers and send them to your distributor or JCA Systems Ltd who will release the one or two "**Reg Key**" numbers to activate the full version of the software.

IMPORTANT – If you do not have these numbers immediately available, press the **CANCEL** button.

When you have the "**Reg Key**" numbers available, press the **Unlock by Phone** button again to show the License Activation form and enter your company name plus the one or two "**Reg Key**" numbers you have been given. Then press the **OK** button.



If the numbers are correct you will get the following message (otherwise an error message will be shown)



The software is now fully activated for the PC on which it has been installed.

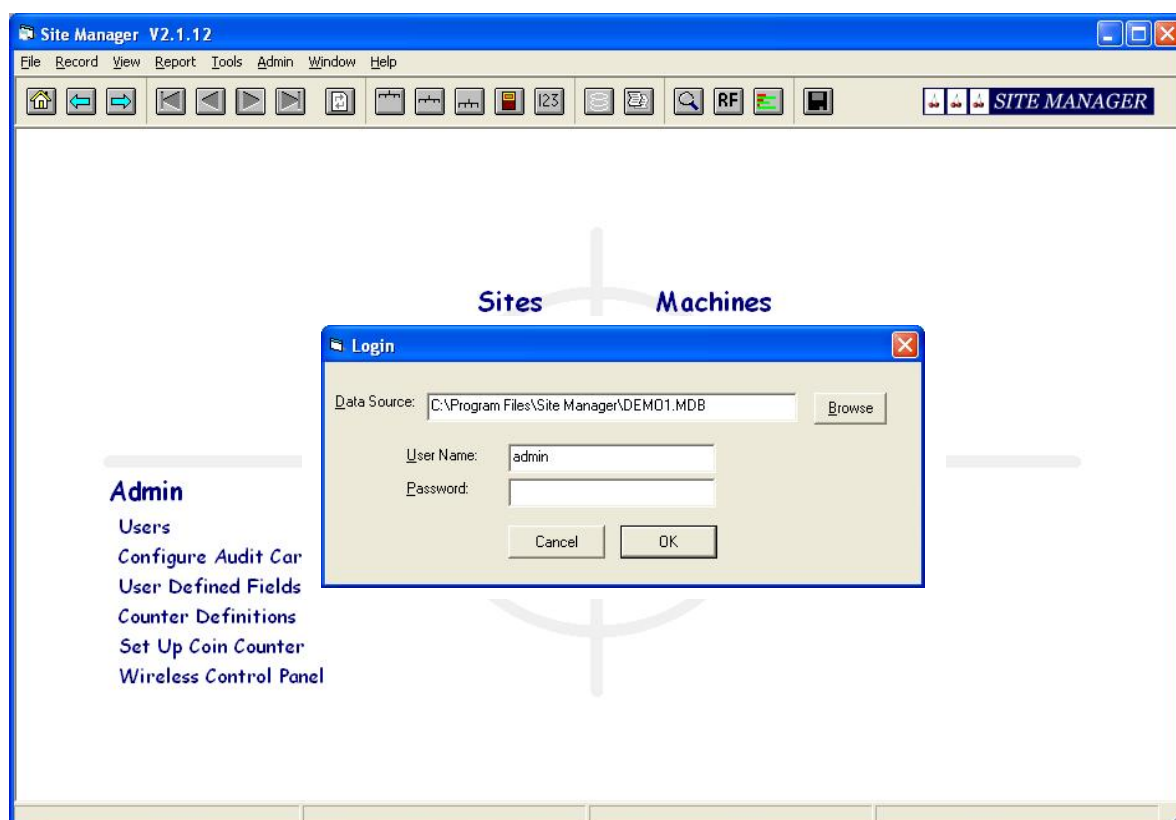
It is possible to transfer the license to another PC, or to extend the facilities. Refer to section 6.6.



1.3 Running Site Manager

- From the Windows <START> menu under “**Programs**” you will find a group **Site Manager**, with an entry **Site Manager**.
- Selecting this item (or the shortcut on the desktop) will launch the programme to the “login” screen:

Select first the site database file you wish to use using the **Browse** button. On first installation it is recommended that you use the blank database file “**Site1.mdb**” or the demo database “**Demo1.mdb**” which have been installed in folder: **C: \Program Files\Site Manager**



For any blank database the username is **Admin** and the password is **password**. Once other users have been set-up this user name becomes inactive.

1.4 File Management

It is important that appropriate measures are taken to backup your database files to protect the valuable information that will be built up within the files. Periodic backup to a removable drive, tape or CD are recommended. JCA Systems Ltd cannot be held responsible for any loss of data.

There is a menu option (**Tools-Database-Backup Database**) that can be used to create date stamped backup files

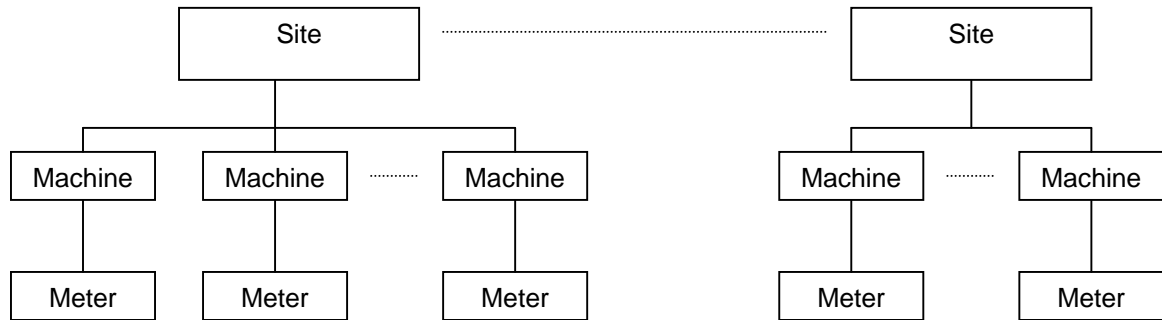
For full compatibility all **Site Manager** database files are standard Microsoft Access files.

By default Site Manager will automatically back up the data every Monday at 00:00 providing that the application is running at that time. Refer to Appendix 6 to change the day.



2 Site Manager – Principles of Operation

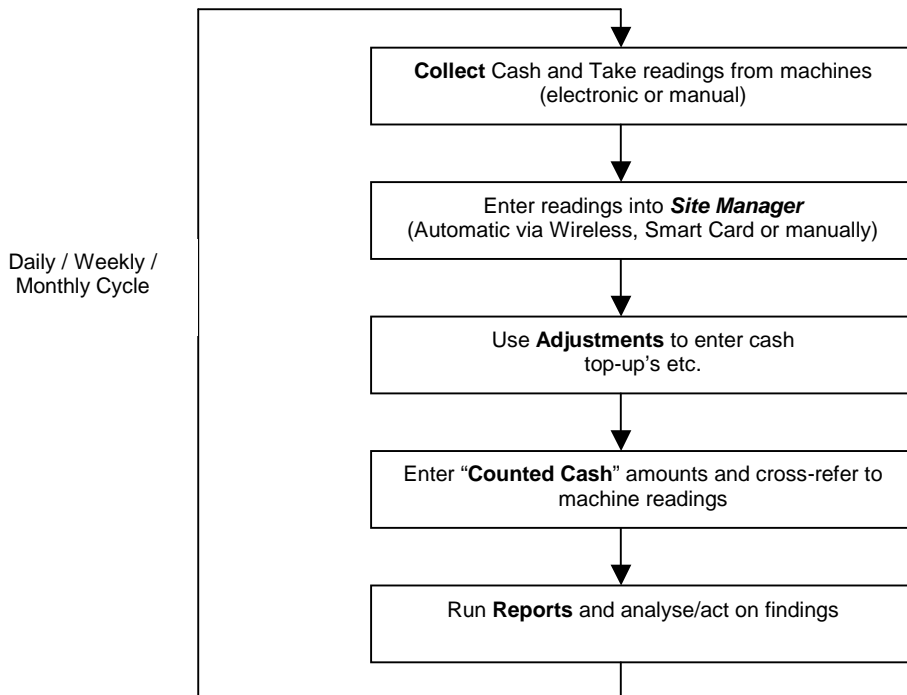
The **Site Manager** programme uses a database to keep a hierarchical structure of sites and machines as shown below:



When readings are taken they are stored as dated and timed “collections” against the corresponding Meter as well as Counted Cash amounts, tied to specific “collections”.

Reports can then be produced at single machine levels or consolidated at the Site levels.

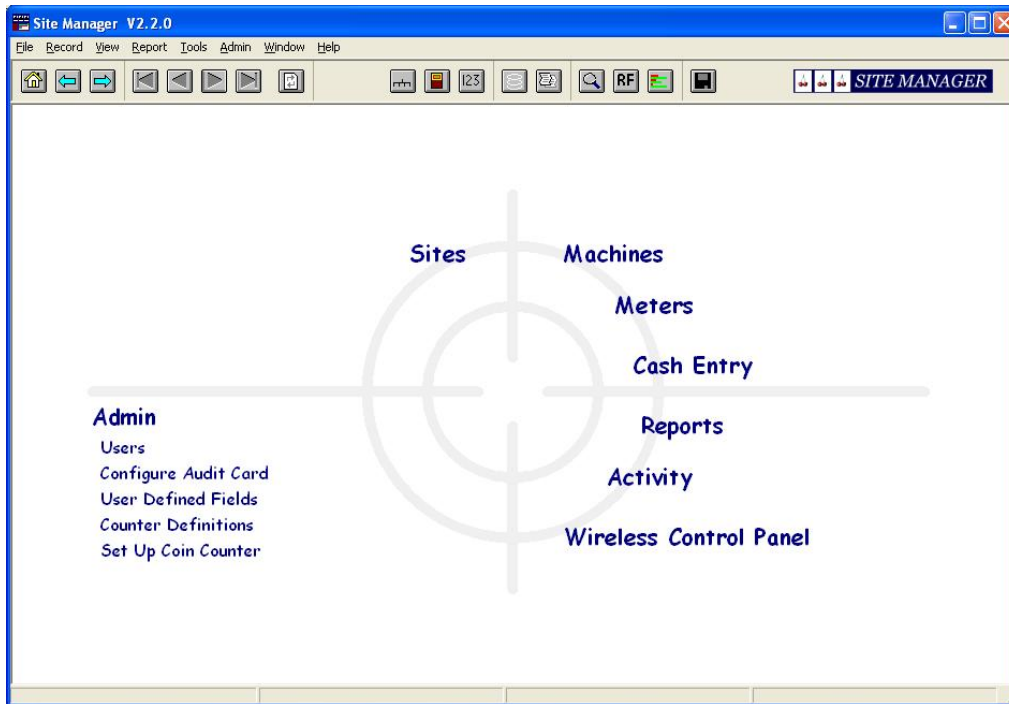
The “routine” sequence of operation is assumed to be as follows:



For typical sites the default configuration is to use “Current” meter readings for machine performance tracking and “Snapshot” meter readings for financial reconciliation. The “Snapshot” readings are automatically generated when either the cashbox or service door is opened.

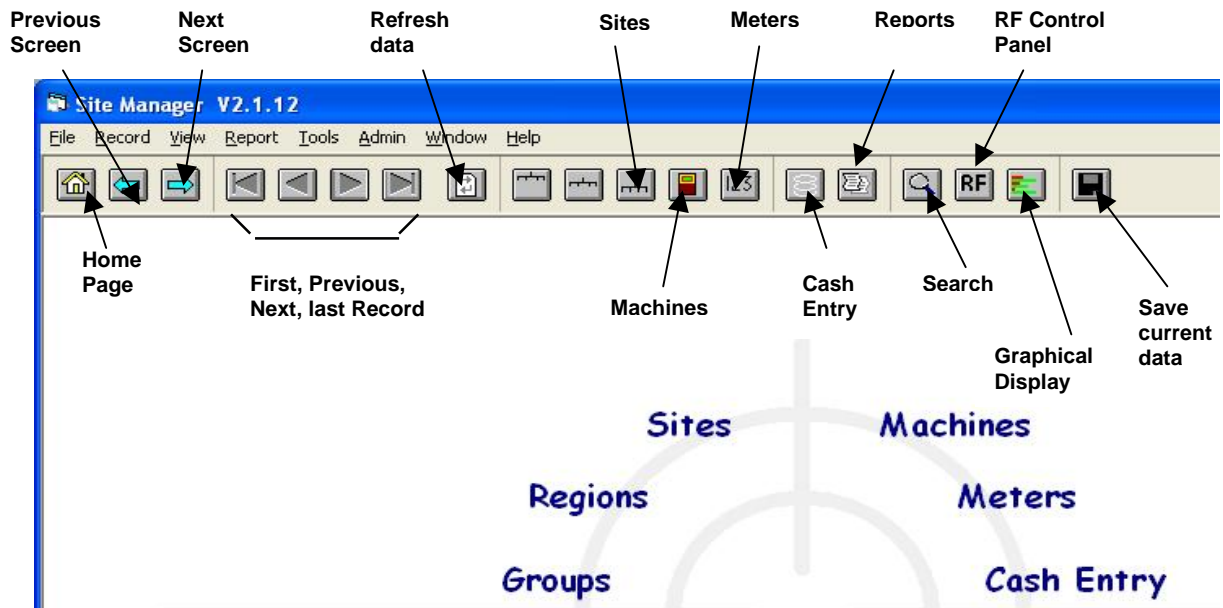


3 Setting Up a Site



Run the **Site Manager** software and log-in:

The toolbar "buttons" are used as marked below:



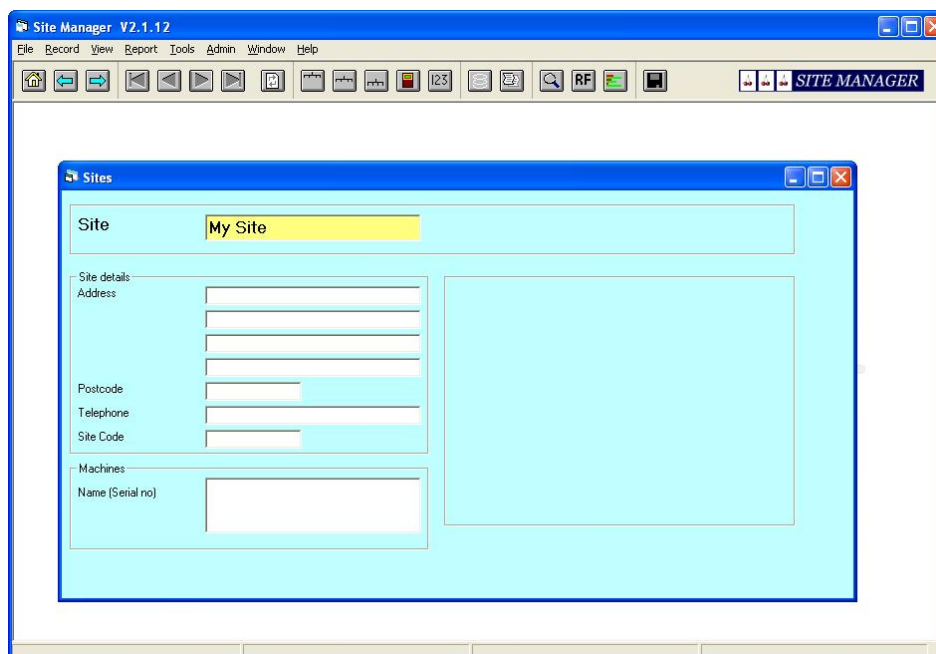


The Function Keys may also be used to access the menu and toolbar items directly:

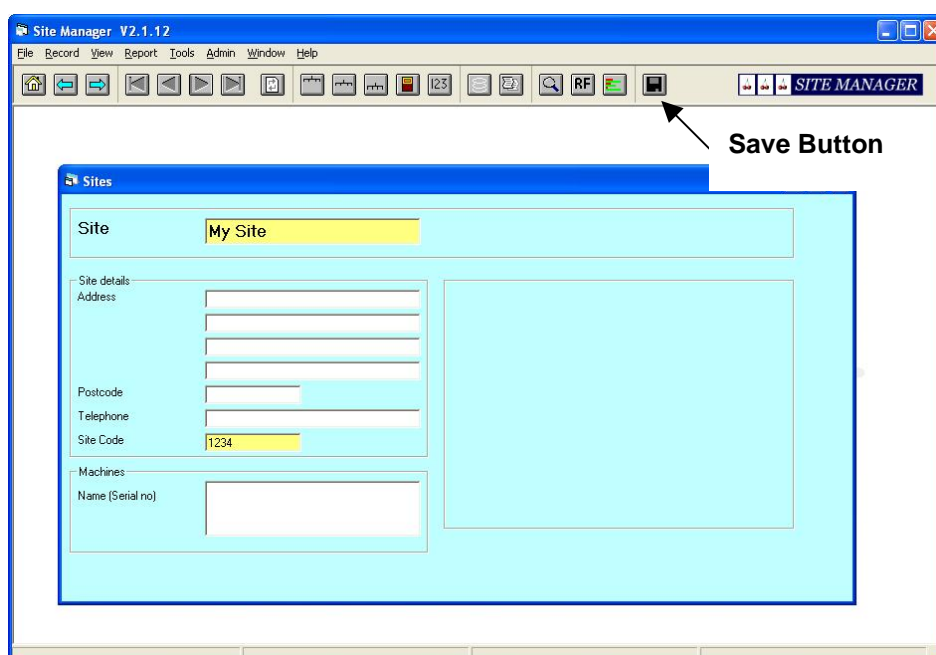
<i>Function Key</i>	<i>Action</i>
<i>F1</i>	Reports Page
<i>F2</i>	Cash Entry Page
<i>F3</i>	Wireless Control Panel Page
<i>F4</i>	Graphical Display
<i>F5</i>	Refresh
<i>F6</i>	Machine
<i>F7</i>	Meter
<i>F8</i>	Previous Record
<i>F9</i>	Next Record
<i>F10</i>	Not Used
<i>F11</i>	Search
<i>F12</i>	Save



Select the **Sites** option and create a “new” record using the **Record** pull-down menu, or edit the site details if the software version only supports one site



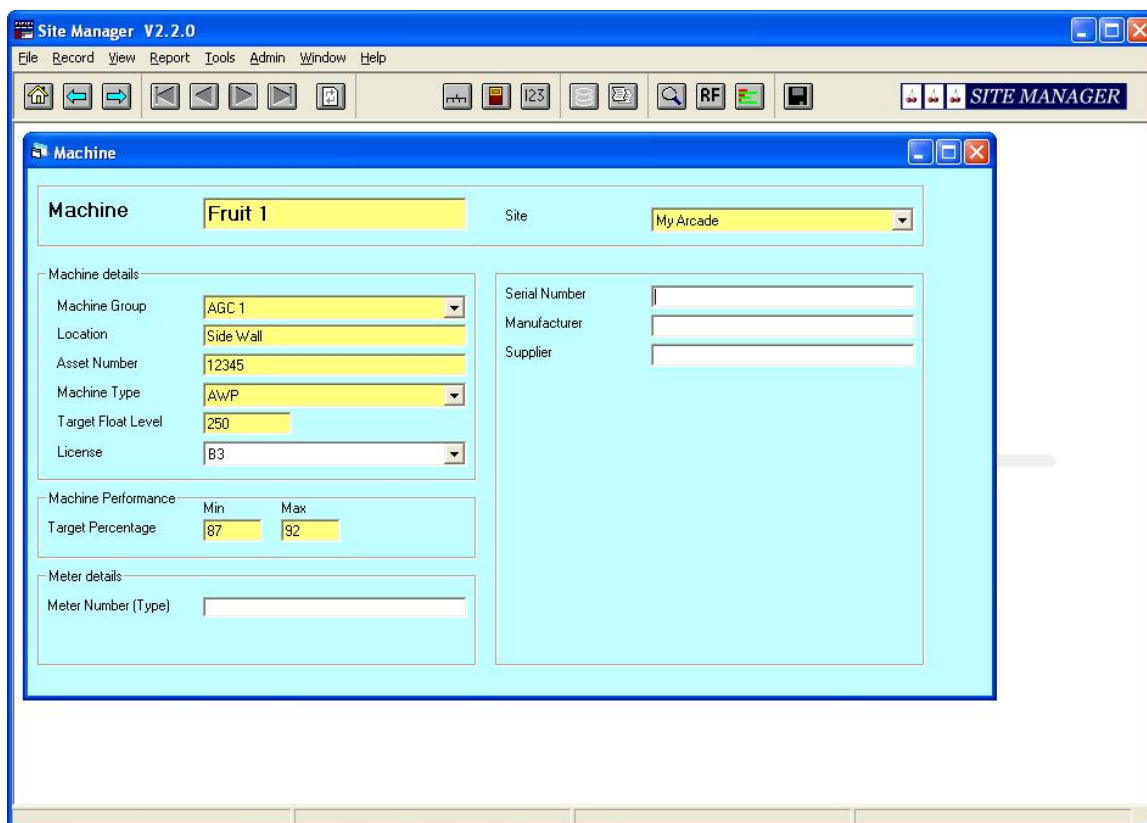
Enter as a minimum the site name and the site code that has been allocated to you. The address, telephone, fax and email fields are for your reference only. The **Machines** section will be filled in automatically as you allocate machines to the site



Now save the data – the yellow background will disappear.



Select the **Machines** option and select **Record – New** from the menus. Next enter the machine name, target percentage (if appropriate), select the site and save the data. (The other data is optional). A Form is available with the EC4Z Installation Guide which may be useful to record the serial numbers of EC3/EC4 units as they are installed, together with how hardware inputs have been connected.



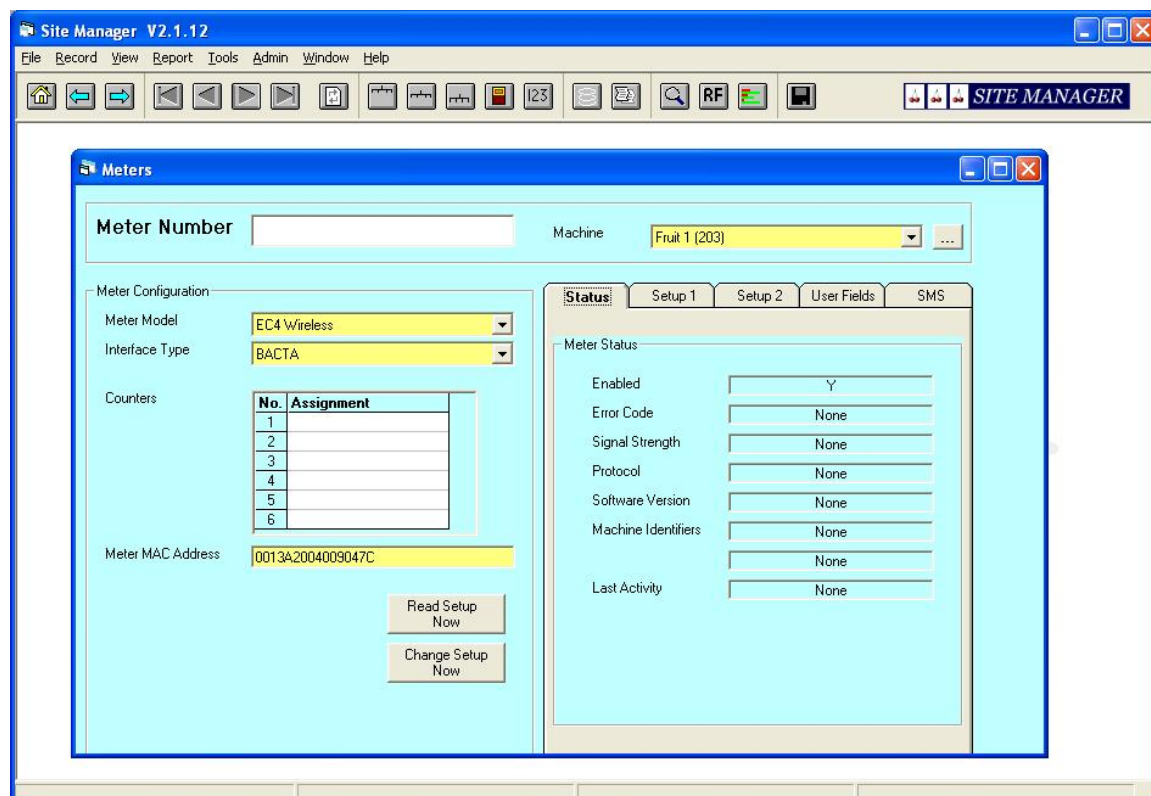
Select the Machine Group, Machine Type and License options carefully as these fields can be used to choose which machines to use in reports.

The options available in these pull-down lists may be edited, see section 8.2

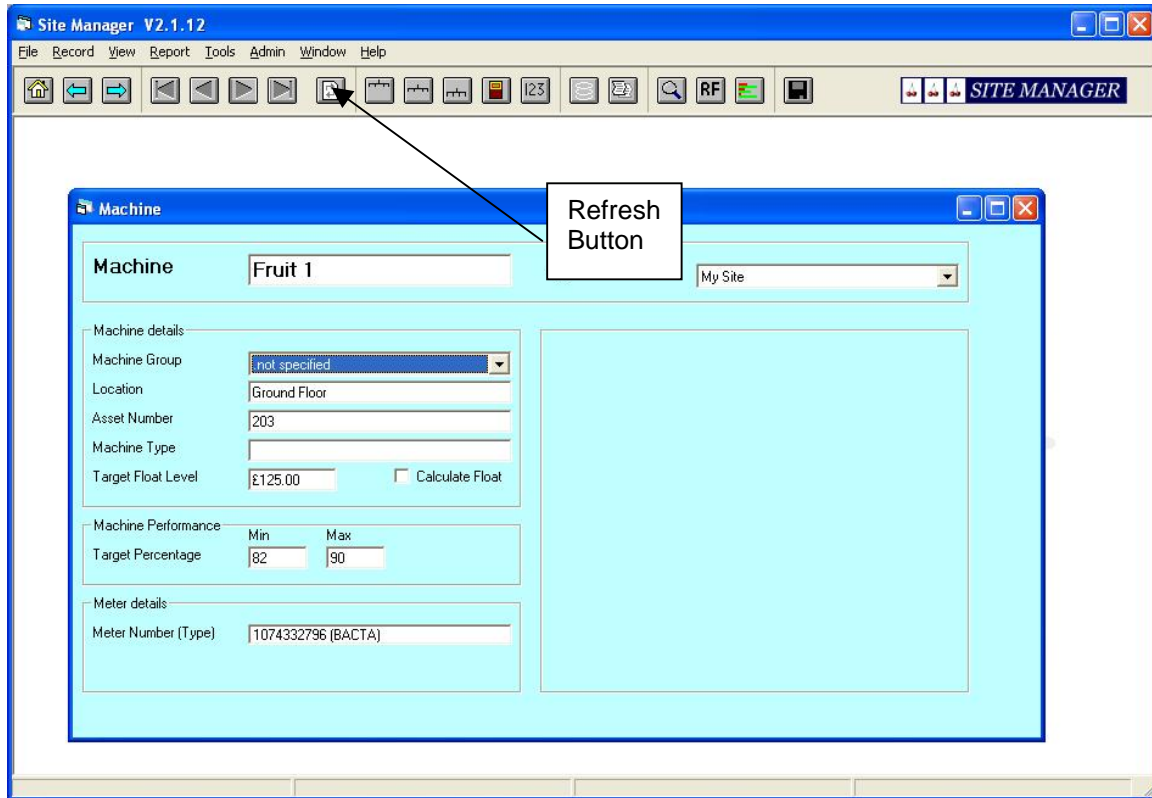


Select the **Meters** option and create a new record to set up a meter for the machine. If the machine and wireless EC4Z meter have already been connected this record is generated automatically – use the search facility to find the full or partial MAC address. For other meter types enter the meter serial number manually after selecting the meter model.

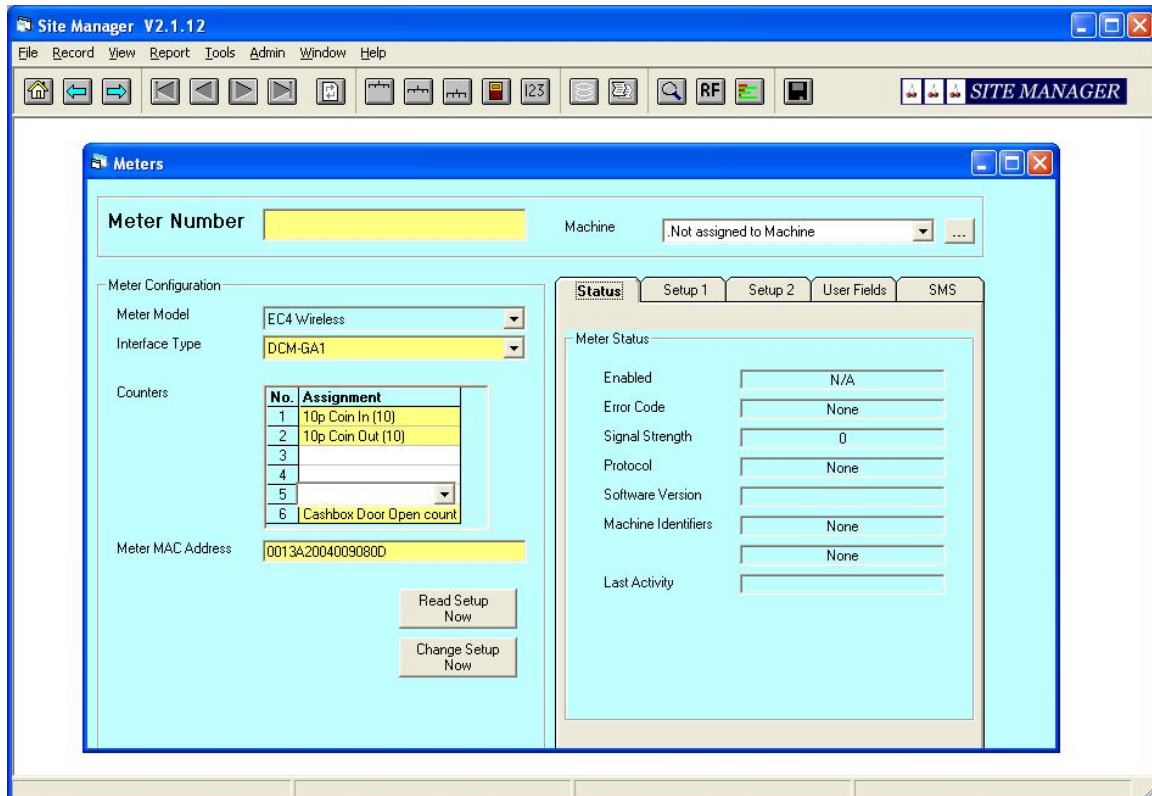
Next select the meter interface type (BACTA for a counter connected to the 25pin machine dataport, or DCM-GA1 for a parallel “meter replacement”. The DCM-GA2 type is to support future enhancements and should not be used). Finally select the machine it has been fitted to and save the record.



Once the meter has been assigned to a machine you can double check this by going back to the **Machines** page. When data is changed in one section and you go to another section you may need to press the “**Refresh**” button to bring the screen up to date.



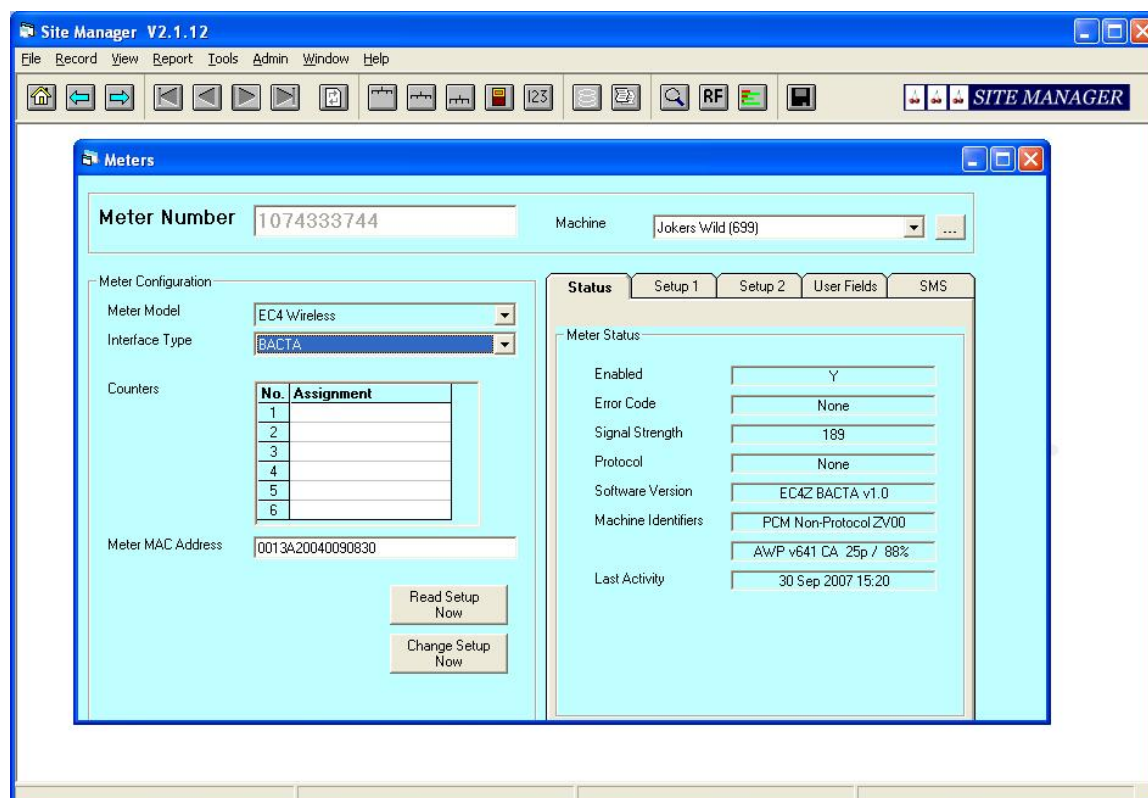
If the counter is set up as a “parallel meter replacement” with the DCM-GA1 option, the connection of each Hardware Counter input must also be assigned in order that the Reports can accumulate data from both BACTA and non-BACTA counters. e.g.



Continue this sequence of operations to set up all the machines and meters on your site



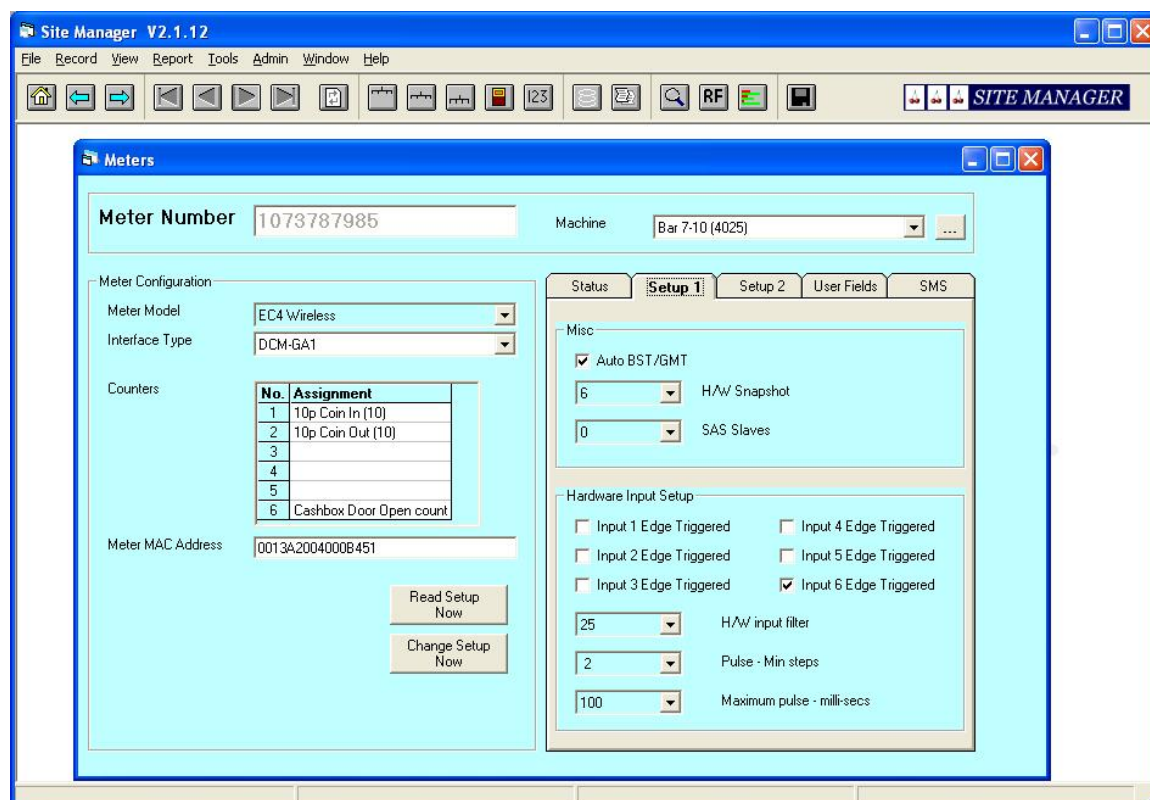
The Meters record provides additional information about the machine. The Status Tab shows the following fields for wireless meters :



- Enabled** Y – machine is enabled, N – Machine is disabled (inly relevant if “Protocol Proms” are used in a BACTA machine)
- Error Code** Errors from the meter
- Signal Strength** Radio connection signal level – the higher the better. (Values below 150 may cause problems indicating the need for an additional ZR-1 Wireless Router to be installed)
- Protocol** Not used
- Software Version** The software version in the EC4Z meter
- Machine Identifiers** Decoded information reported from the Machine's BACTA data
- Last Activity** Date and Time of the last message (of any sort) from the meter



The Setup 1 Tab allows the configuration of the Hardware (parallel) inputs to the meter. This is only relevant if the machine does not have a BACTA dataport.



The Set-up option available are :

Auto BST/GMT Automatically change the clock for summer time / winter time (all meters)

H/W Snapshot Set this to the input number used for the Cashbox Door to enable a “Snaphot” set of meter readings to be taken automatically as the door is opened.

SAS Slaves Not used in the current version

Input n Edge Triggered By default the hardware inputs look for a full pulse and use the other parameters on this page to qualify a valid pulse. Whichever input is used for the cashbox door should be “Edge Triggered” to ensure that the Snapshot is taken immediately.

H/W input filter The sampling rate on the inputs in milliseconds to avoid noise. A value of 25 is recommended unless very fast meter pulses are expected.

Pulse – min steps This is the minimum pulse width that is accepted. In the example above the setting is 50 milliseconds : 2 steps times the input filter time.

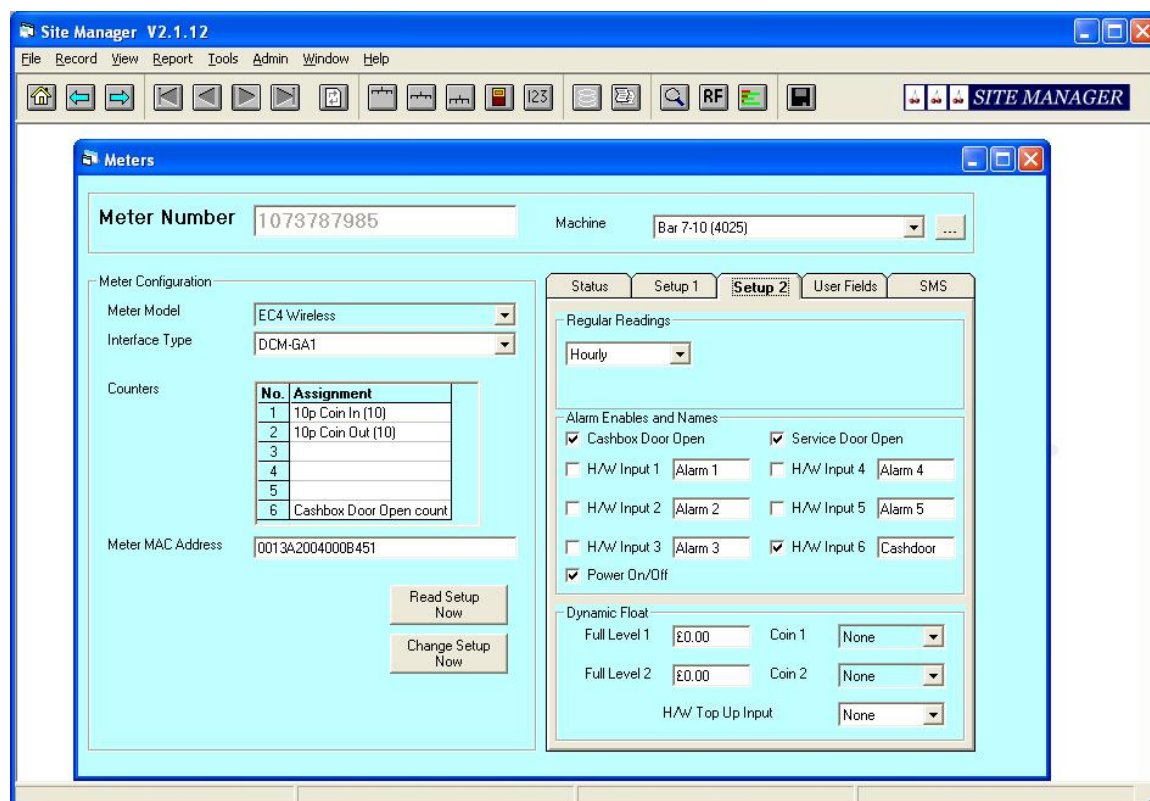
Maximum Pulse The longest active pulse to be accepted in milliseconds.

Change Setup Now This button will send the configuration to the EC4Z meter immediately (SAVE any changes first)

Read Setup Now This button will read the configuration from the EC4Z meter. It may take up to a couple of minutes for the data to be received depending on the amount of radio traffic at the time. Press the REFRESH button to get the received information.



The Setup 2 TAB provides more meter settings



Regular Readings

The EC4Z meter will send regular “Current” readings Hourly, Daily, Weekly or Monthly. Set the required option here.

Alarm Enables & Names

Spare hardware inputs (even on a BACTA machine) can be used as additional security alarms. Enable and Name the Alarm event in this box.

Dynamic Float

Refer to the next page.

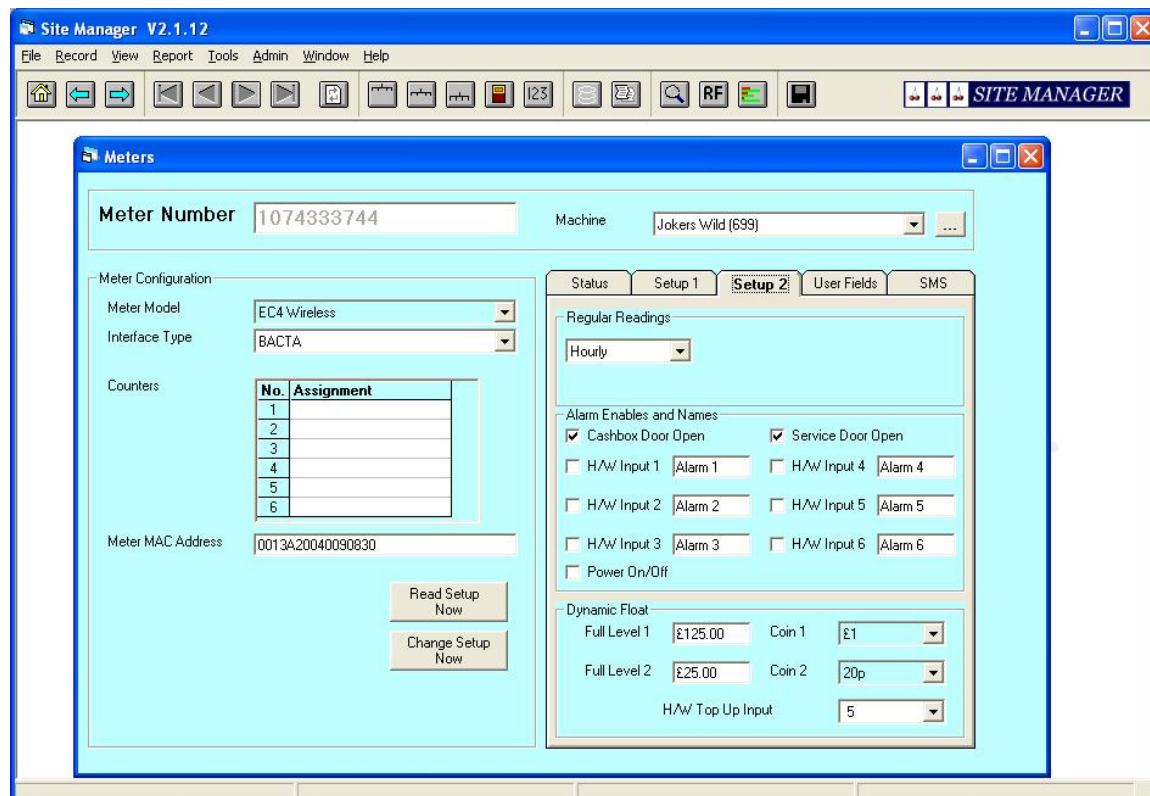


Dynamic Float : EC4Z ONLY

This is a feature only applicable to BACTA connected meters. Many BACTA connected machines do NOT transmit their hopper float levels, particularly if "Protocol Proms" are not used.

The EC4Z meter can calculate a hopper level using the Dynamic Float feature. Simply set the "topped up" level as a value and the coin type in the hopper and tell the meter when it has been topped up using the "Top Up" button on the RF Control panel or a switch wired to a spare hardware input. The EC4Z can simulate up to two hoppers.

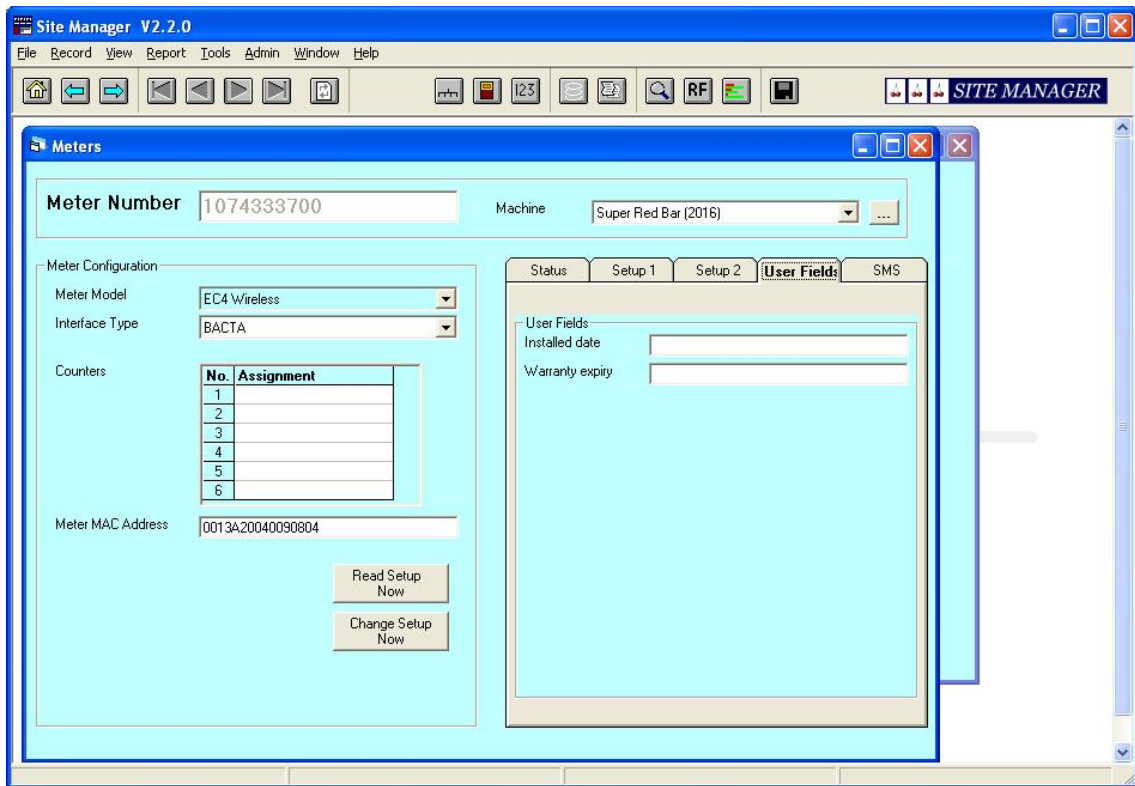
In the example below £1 and 20p hoppers are fitted with "topped up" levels of £125 and £25 respectively. The hardware input channel 5 has been wired to provide a "manual" top up facility.





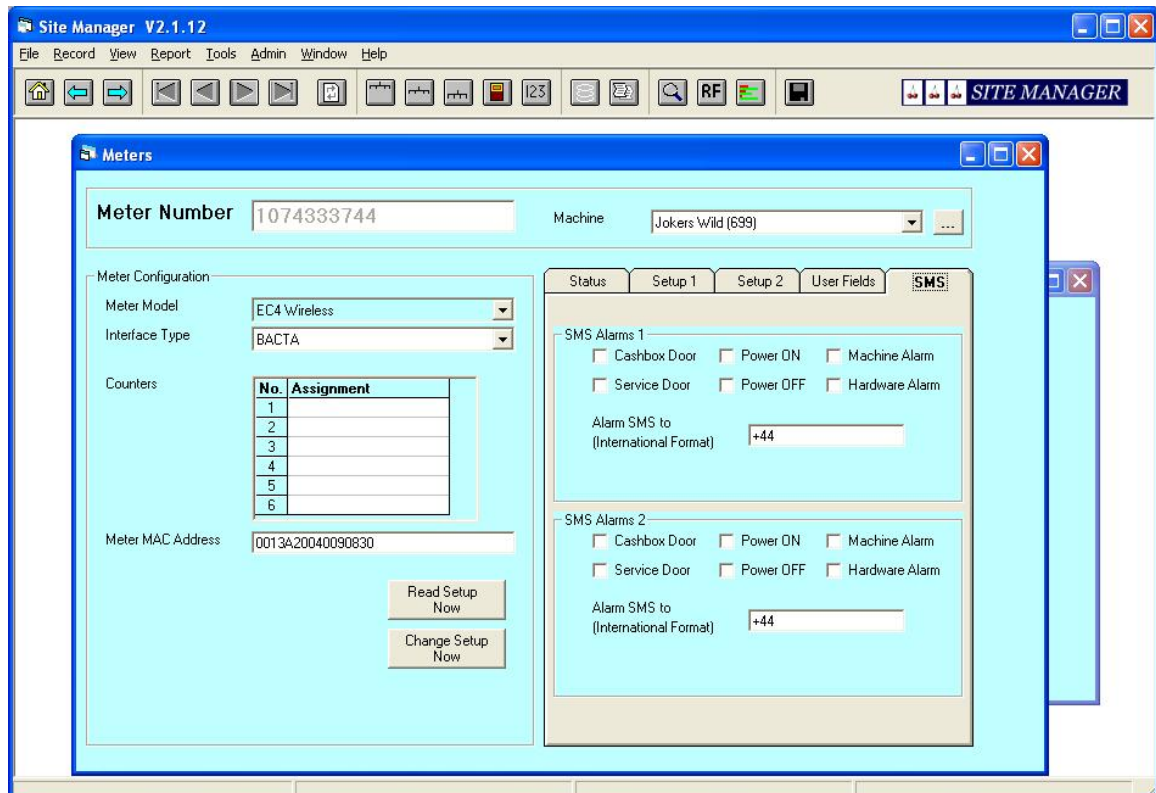
User Fields TAB

Up to 10 “Information Fields” can be user defined. In this example, the installed date and warranty expiry have been added as a record.



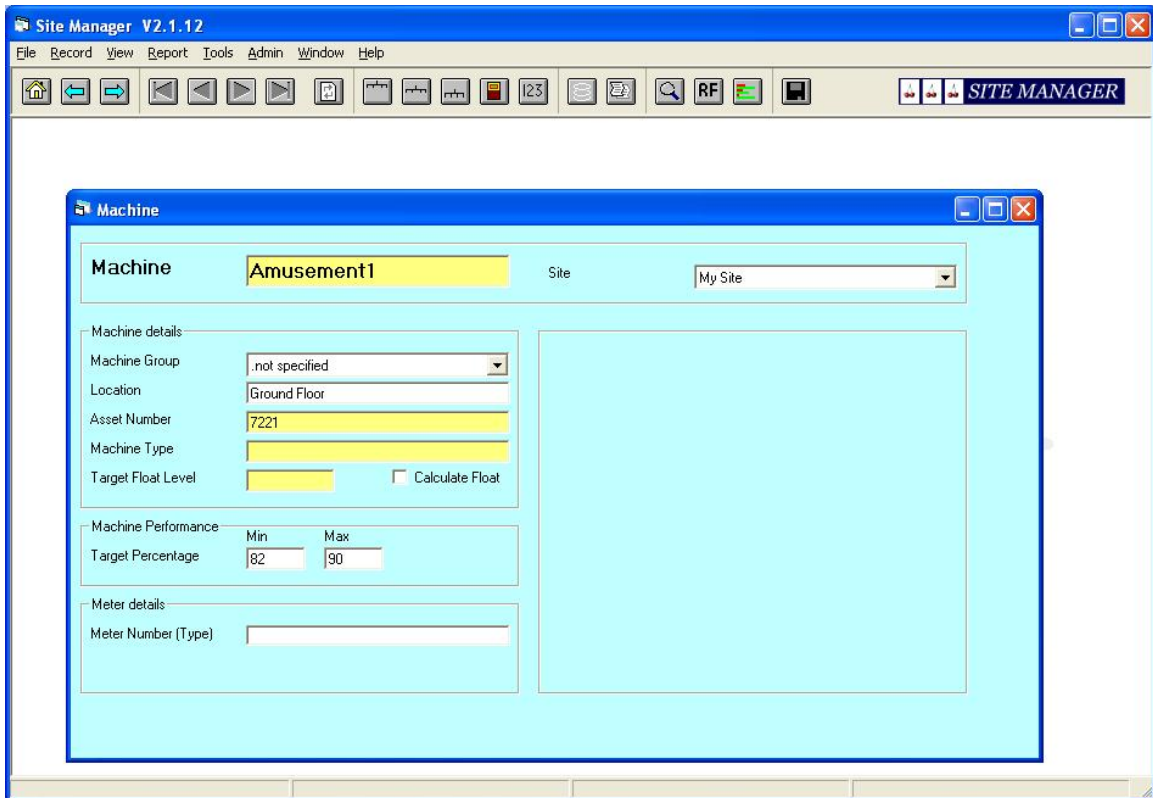
SMS TAB

This applies only to EC5 GSM/GPRS meters and is used to configure alarm SMS (Text) messages to two destination phone numbers.

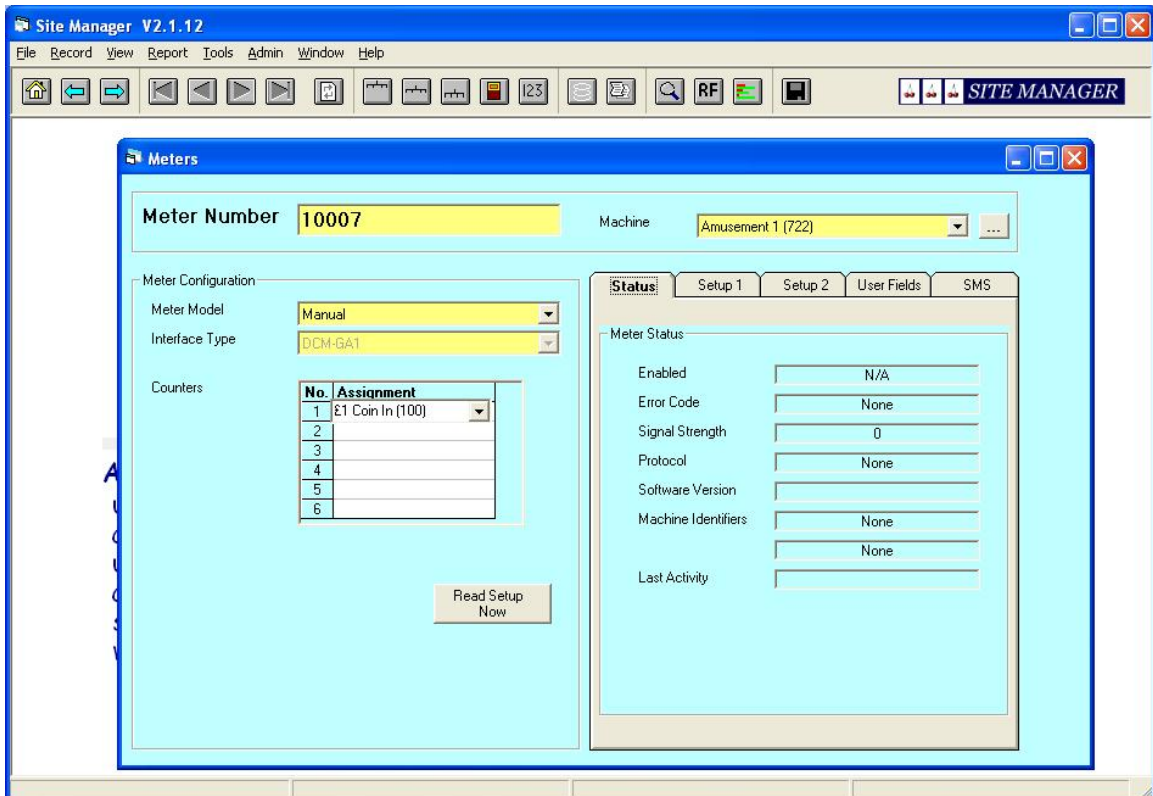




To include a machine that is going to be read “manually” rather than electronically, first create a record for the machine e.g.



Then create a meter record with a dummy meter number, select meter model Manual, Assign the counter(s) and attach to the defined machine. In this case we have shown an amusement machine which has a conventional meter counting £1 cash in pulses.

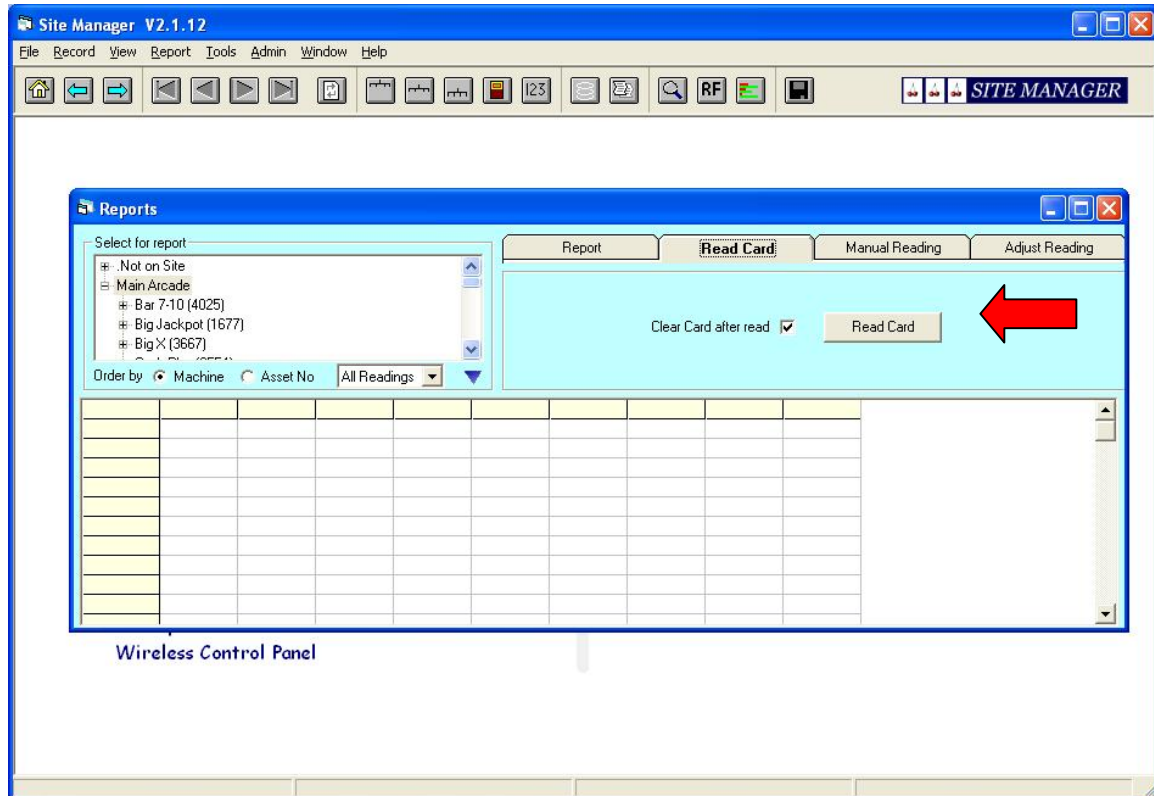




4 Data Entry Operations

4.1 Loading Readings from a SMART card

Select the **Reports** option - Read Card TAB and then click the “Read Card” button and follow the prompts. A list of the records loaded will be displayed and any duplicate readings will be ignored. It is recommended that the “**Clear Card after read**” option is selected to automatically make the card ready for its next use.



Once the card has been read a progress window lists the records taken from the card. Please note that for integrity the software will ignore duplicated readings and give a warning in this window. Once the card is removed the software prompts for another card or you can cancel at this stage.

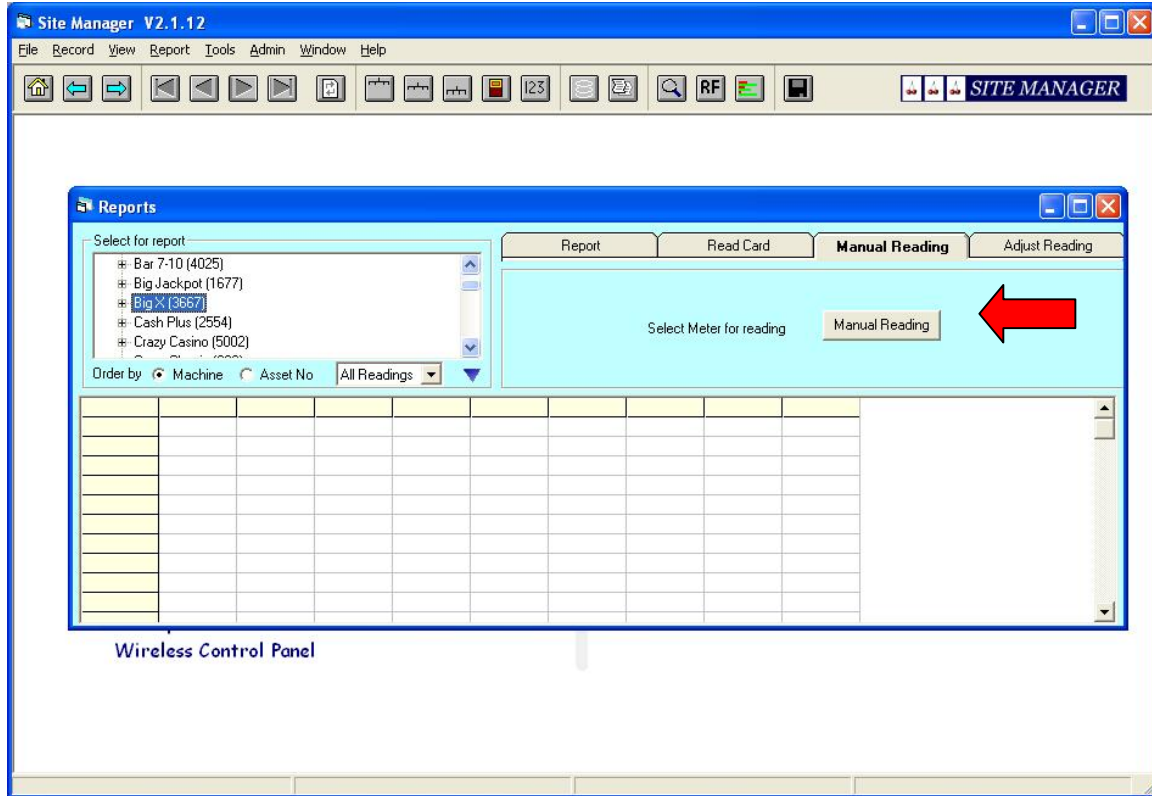


If a new meter has been installed and its serial number is not recognised by Site Manager, you can automatically create meter and machine records for this and other new units by following the prompts given.

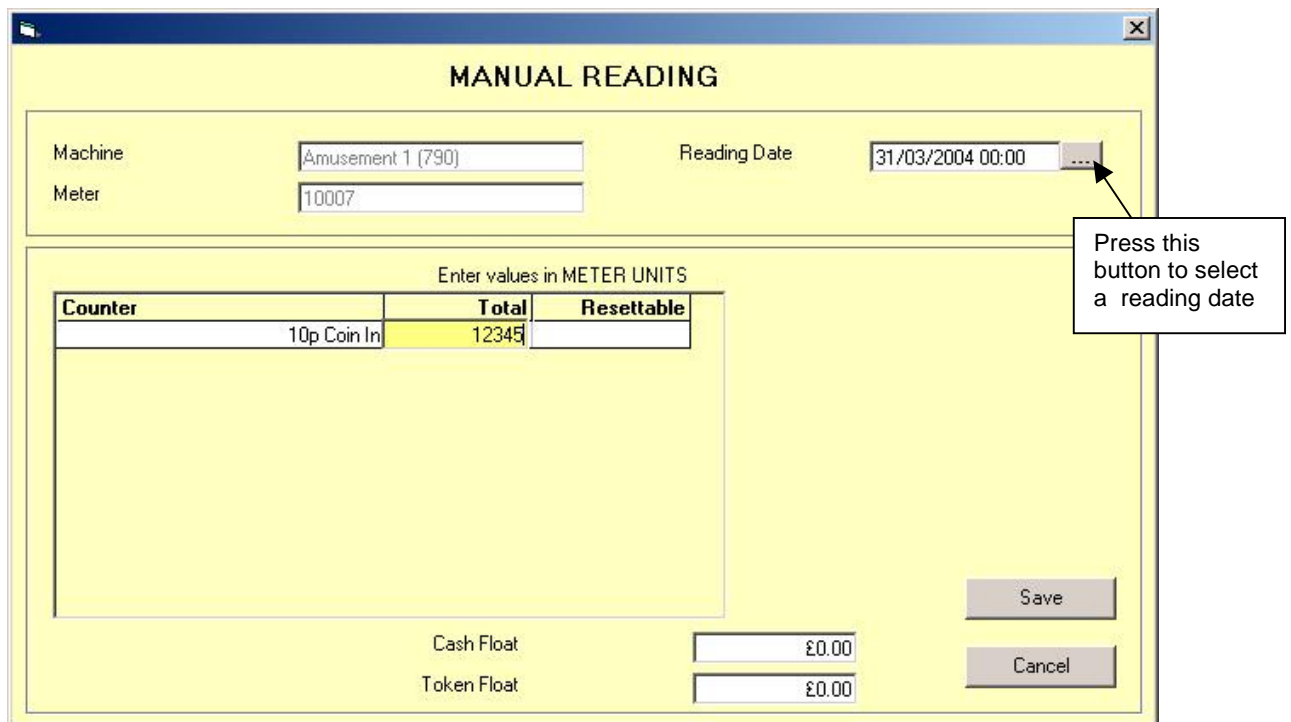


4.2 Entering Manual Readings

To enter a manual reading, select the **Reports** page – Manual Reading TAB, highlight the meter associated with the machine and then press the **Manual Reading** button.



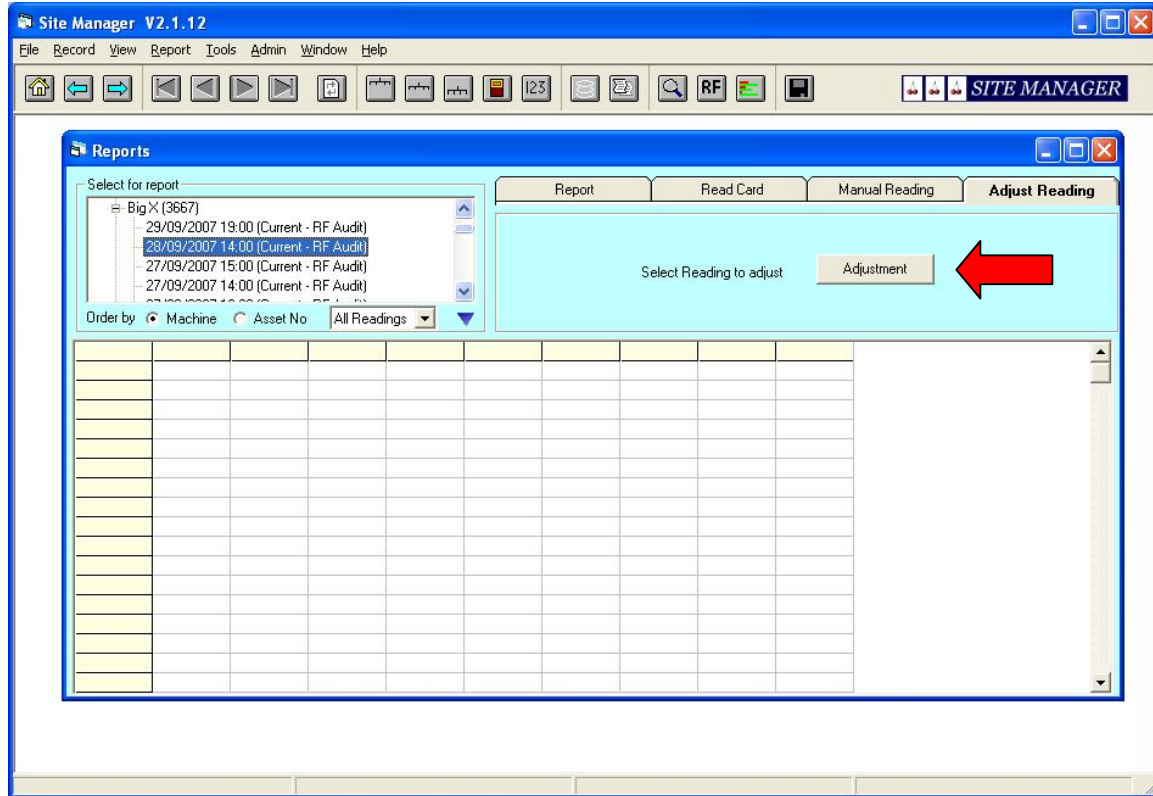
This brings up a form that can be filled in as below. Enter meter readings directly.





4.3 Adjustments

There are times when it may be necessary to adjust a reading. A good example is setting an initial float value recording a manual top up of a hopper. Alternatively an adjustment may need to be made to correct an error of some sort. To enter an adjustment “expand” the meter shown against the selected machine by pressing the “+” node. (If you have just loaded data from a card you may need to press the “refresh” button first to make this appear).



Then highlight the reading you wish to adjust and press the **Adjustment** button. This brings up a form that can be filled in as below (positive and negative numbers are accepted). This example shows the setting up of an initial float:

READING ADJUSTMENT

Machine: Reading Date:

Meter:

Enter values in CURRENCY UNITS

Counter	Total	Resetable	Total Adj.	Resetable Adj.
Total Cash IN	£120.00	£0.00		
Total Cash OUT	£47.00	£0.00		
Total Notes IN	£60.00	£0.00		
Total Token IN	£0.00	£0.00		
Total Token OUT	£0.00	£0.00		
Total Cash to Float	£40.00	£0.00		
Total Token to Float	£0.00	£0.00		
Total Cash Refill	£60.00	£0.00	£75.00	£75.00
Total Token Refill	£0.00	£0.00		

Save

Cash Float:

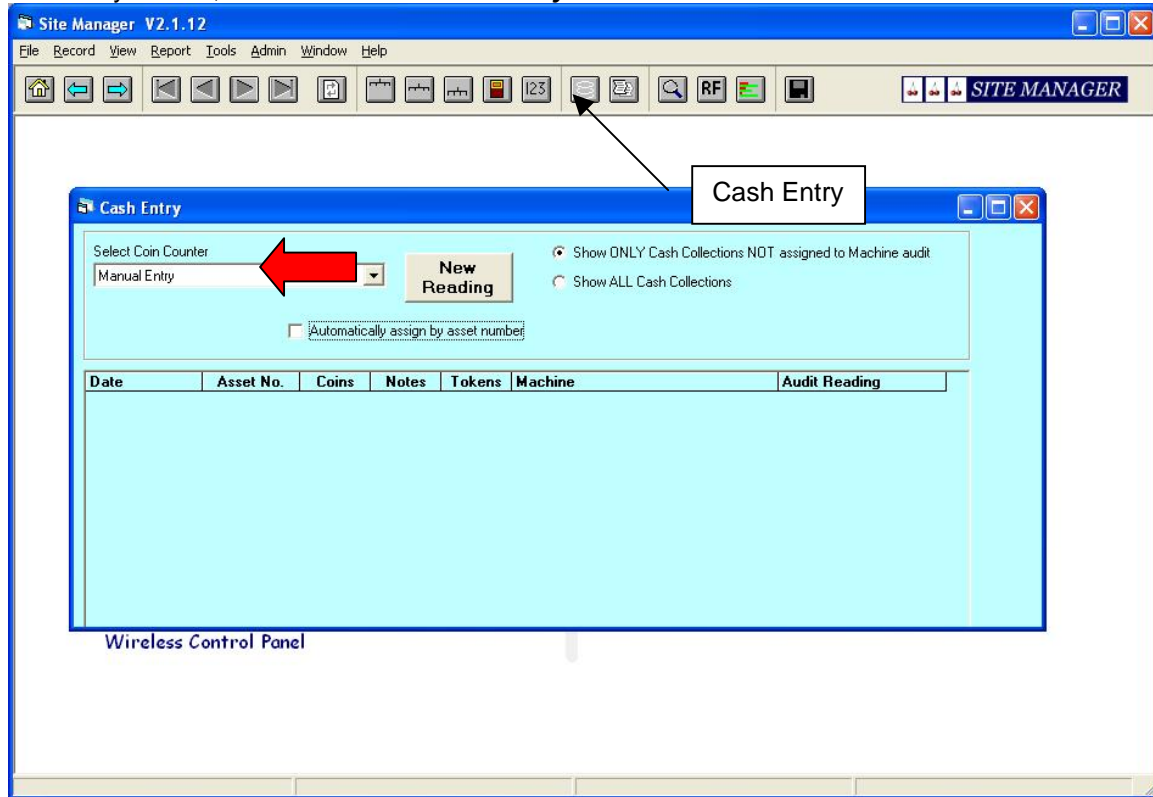
Token Float:

Cancel

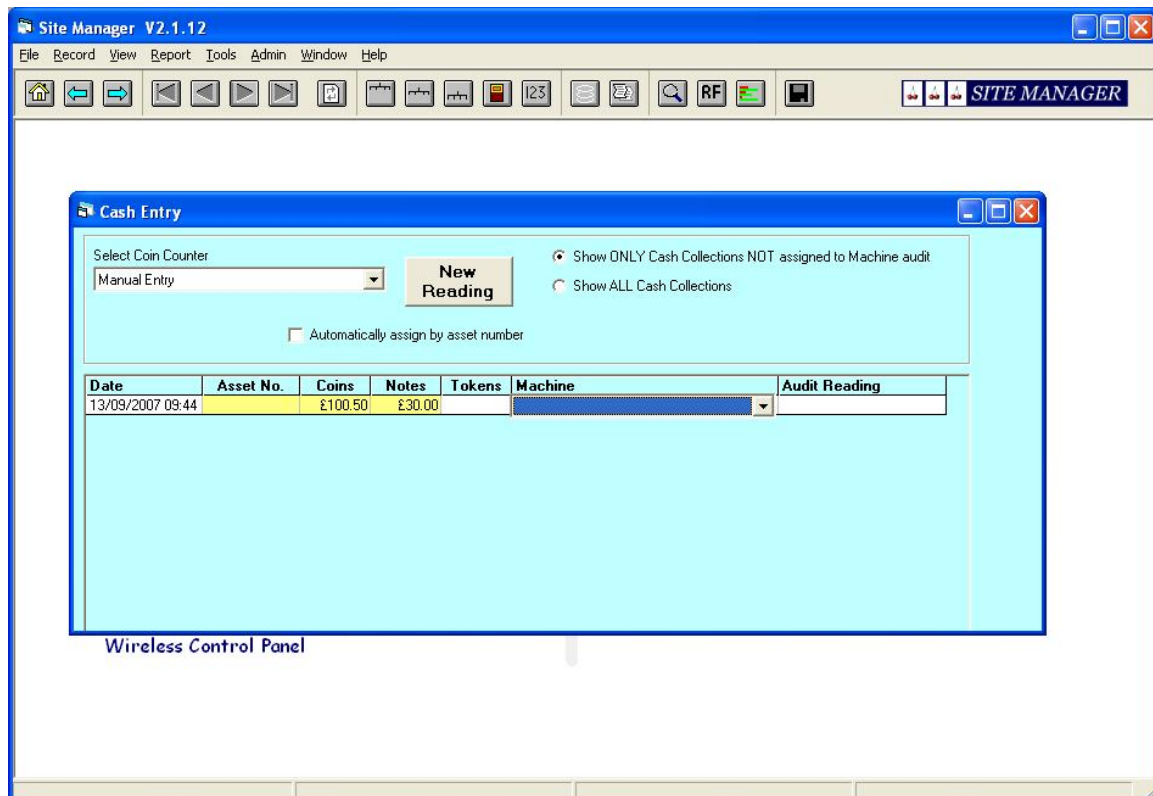


4.4 Entering Manually Counted Cash Amounts

Using either the **Tools-Cash Entry** option from the menus or the **Cash Entry** button go to this data entry screen, and select the **Manual Entry**:

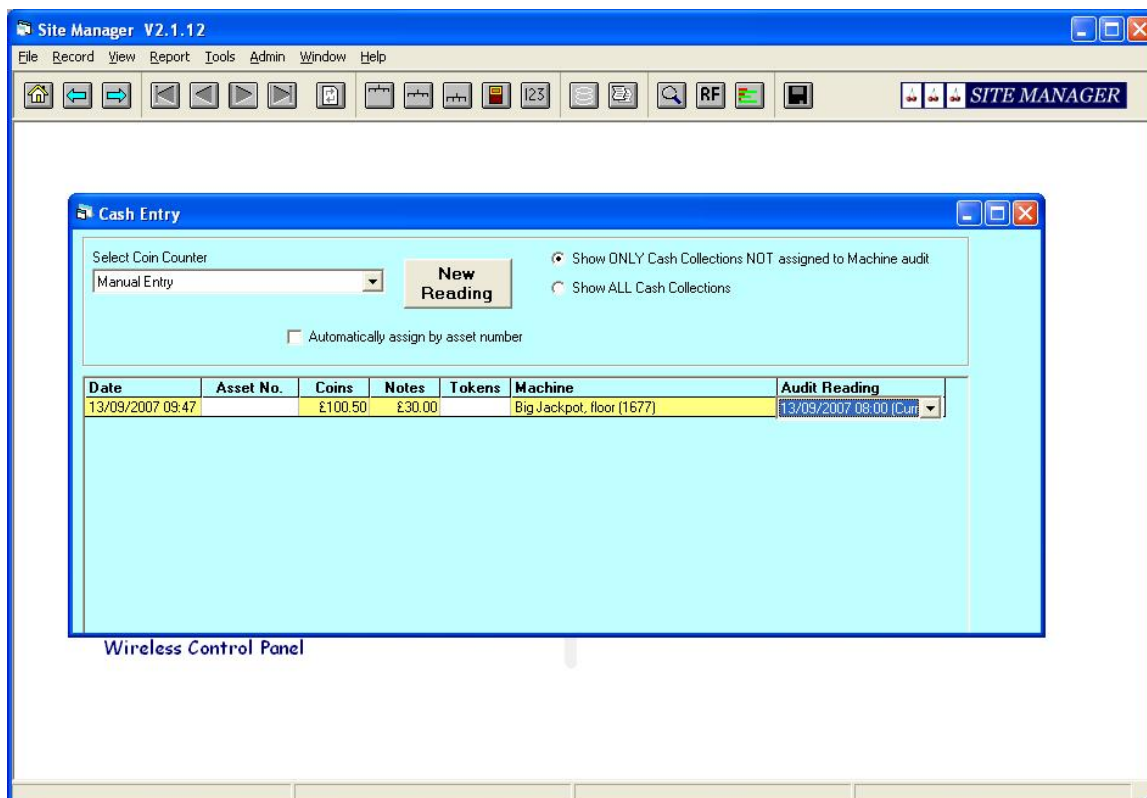


To enter a manual reading, press the **New Reading** button and enter the appropriate data (In this case just the amount and an asset number reference are entered. The Machine/Audit Reading reference can be added later):

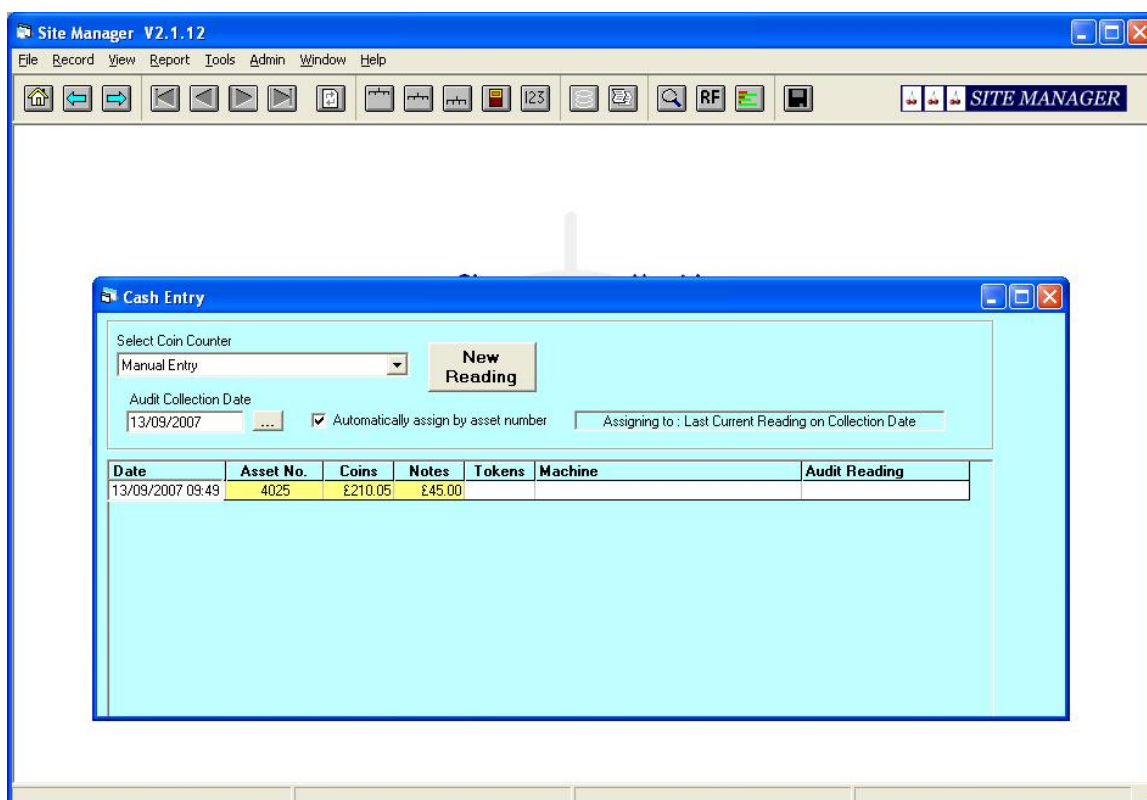




The Machine and corresponding audit reference can be selected from the two right hand columns, once the meter readings have been loaded onto the system. This allows cash data to be loaded immediately even if a Smart Card has yet to be loaded for example.



Site Manager Versions 1.5.5 and later allow automatic assignment of the Machine and Audit Reading from the machine Asset Number. To use this feature, tick the **Automatically Assign by Asset Number** box and enter the collection date. Entering the Asset number in column two will fill in the machine and Audit Reading fields automatically when the record is saved.





4.5 Setting Up an Electronic Coin Counter

Site Manager includes a programmable tool to allow electronic data input of cash counts from most families of coin counters by “reading” the printout from the counter. There are no special protocols to be set up.

Site Manager needs to be connected to a RS232 serial printer port on the counter – in most cases a “null modem” cable is all that is needed although the PC running Site Manager can be connected “across” and existing serial printer. The Coin Counter instruction manual or “help” will show how to direct the “print” to a serial port.

Site Manager can take electronic readings for the total Coin Value, a Reference Code (Cashbag Number, machine ID number etc) and optionally a Note Value and/or a Token Value.

Use the **Admin – Set Up Coin Counter** option from the menus to display the Coin Counter Set-up screen.

Set the Coin Counter name and communication parameters.
Click NEXT to go to the next step

Communication Parameters | Data Received

Coin Counter Name: NEW COIN COUNTER [Delete]

Com Port: 1
Baud Rate: 9600
Parity: None
Data Bits: 8
Stop Bits: 1

Retrieve Values for:

- Cashbag Number (Id number)
- Coin Value
- Note Value
- Token Value

View | Print Ticket | Cancel | < Back | Next >

The set-up process is straightforward (In this example a connection to a Jetsort counter is shown, but the process is similar for other makes of coin counter):

1. Click on **NEW COIN COUNTER** and type in the name of the coin counter (*Jetsort*).
2. Type in the port number on the PC (1 for COM1, 2 for COM2 etc) and select the other settings for the serial port. (The exact settings required should be defined in the manual for the Coin Counter).
3. Check or clear the **Note Value** and **Token Value** settings as required. (In this example Coin and Note Counts are collected)



Set the Coin Counter name and communication parameters.
Click NEXT to go to the next step

Communication Parameters **Data Received**

Coin Counter Name: Jetsort [Delete]

Com Port: 1
Baud Rate: 9600
Parity: None
Data Bits: 8
Stop Bits: 1

Retrieve Values for:
 Cashbag Number (Id number)
 Coin Value
 Note Value
 Token Value

View Print Ticket Cancel < Back Next >

4. Click the **Next** button – Site Manager is now waiting for a “printout” from the coin counter

Waiting to receive from coin counter...
Click NEXT when all data received. If nothing received, or 'rubbish' received
go back and check parameters

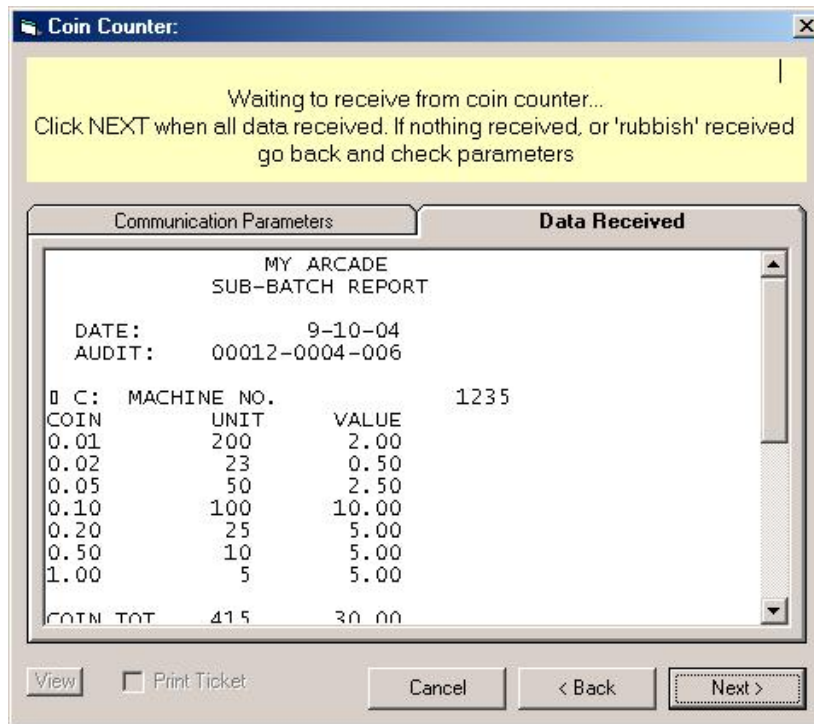
Communication Parameters **Data Received**

Please connect PC to the Coin Counter printer port.
when connected instruct coin counter to print report.

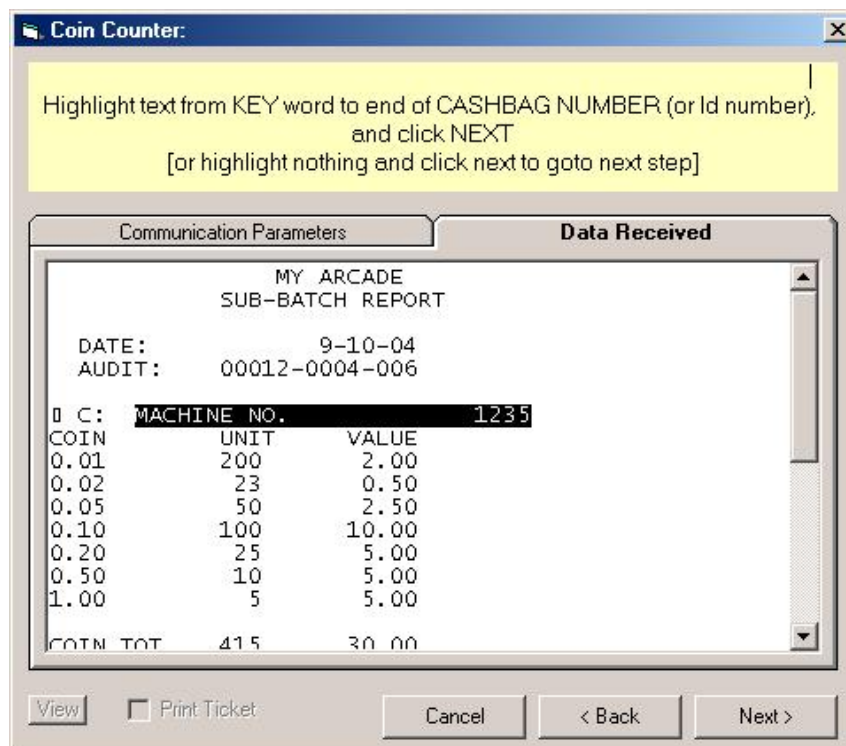
View Print Ticket Cancel < Back Next >



- Put some coins (and notes/tokens as appropriate) into the coin counter, follow the normal counting sequence for the Counter and output a "print". If the connection is made correctly the "ticket" will be shown on the PC. If nothing is received check the connections and settings.

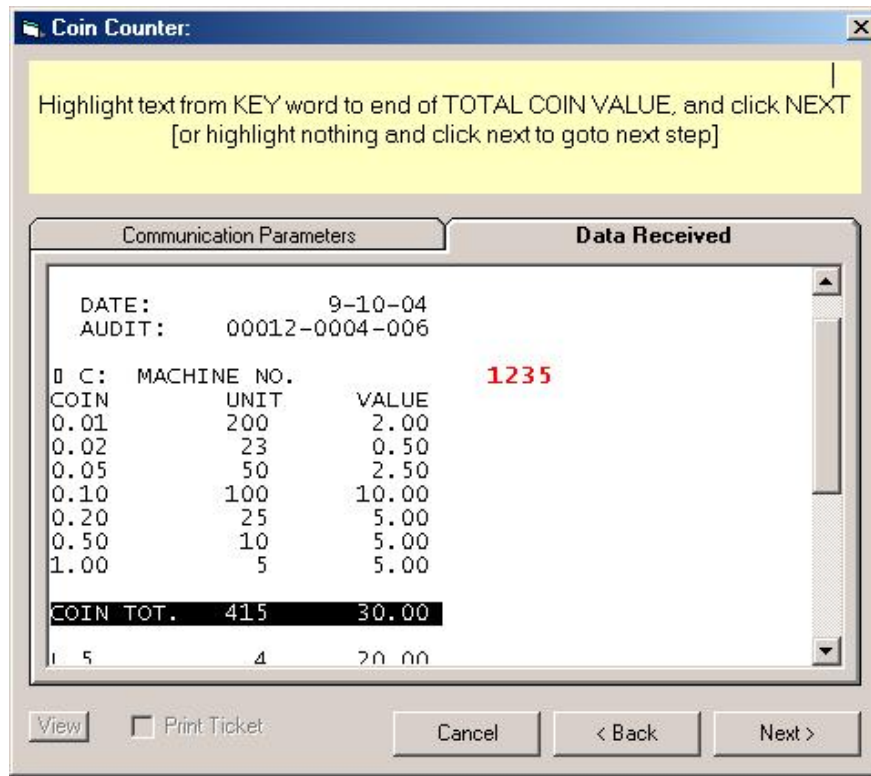


- Click **Next**.
(If an existing coin counter definition is being changed or checked the identified fields will now be highlighted in red)
- Click **Next** again and highlight the Asset number and the text describing it (Choose the minimum fixed text that will uniquely tag the correct data field):

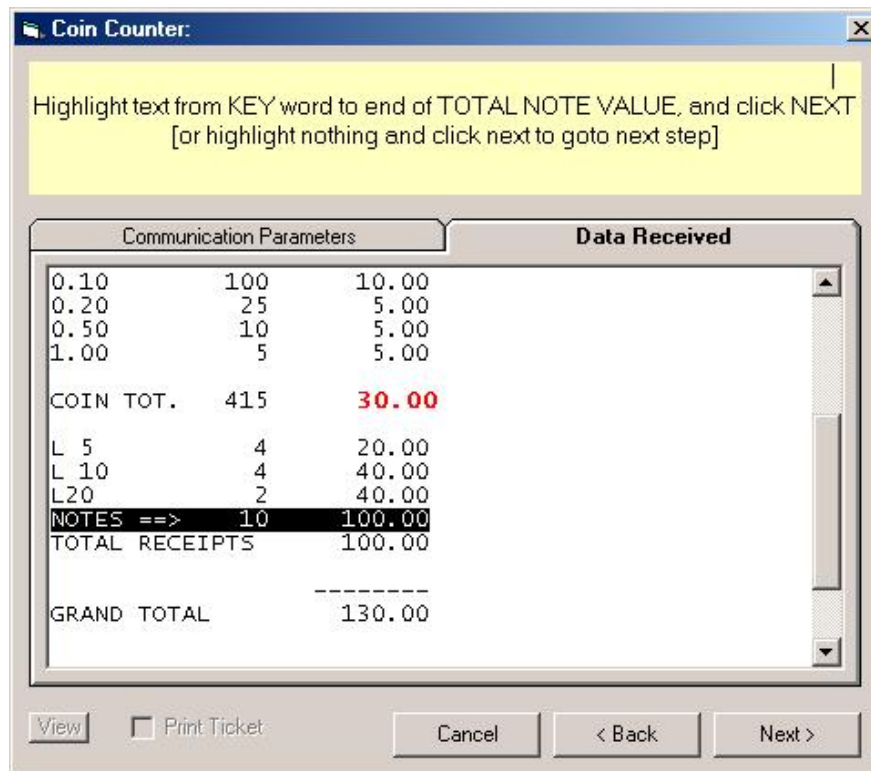




- 8. Click **Next** again and repeat the process for the total coin value (Note – the previously identified field is now highlighted in red):

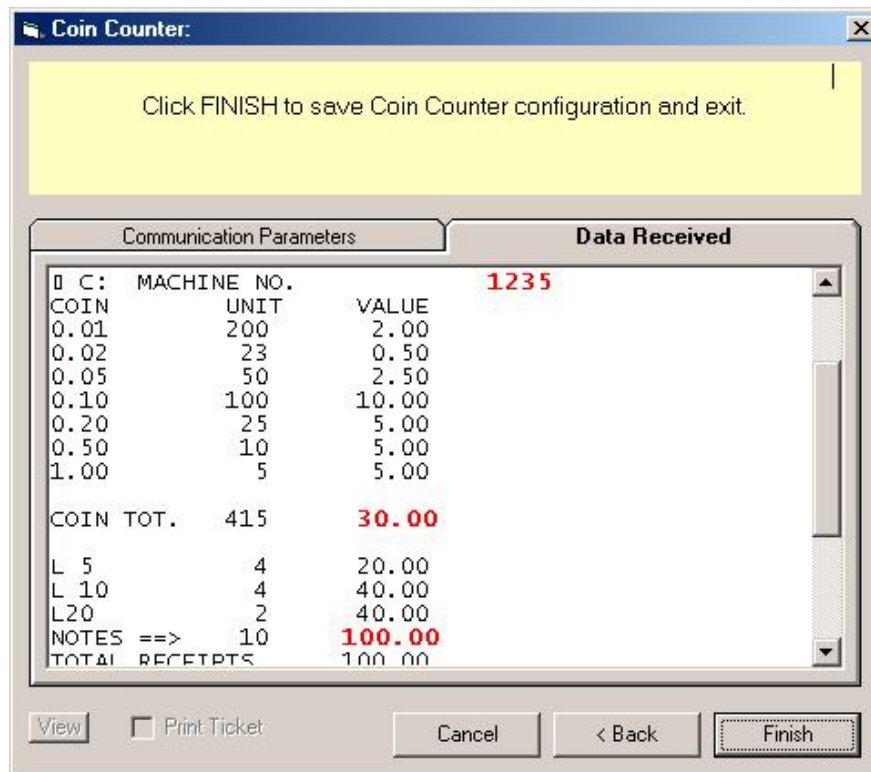


- 9. Click **Next** again and highlight the Notes total value:





10. Click **Next** and all the identified fields are highlighted in Red:

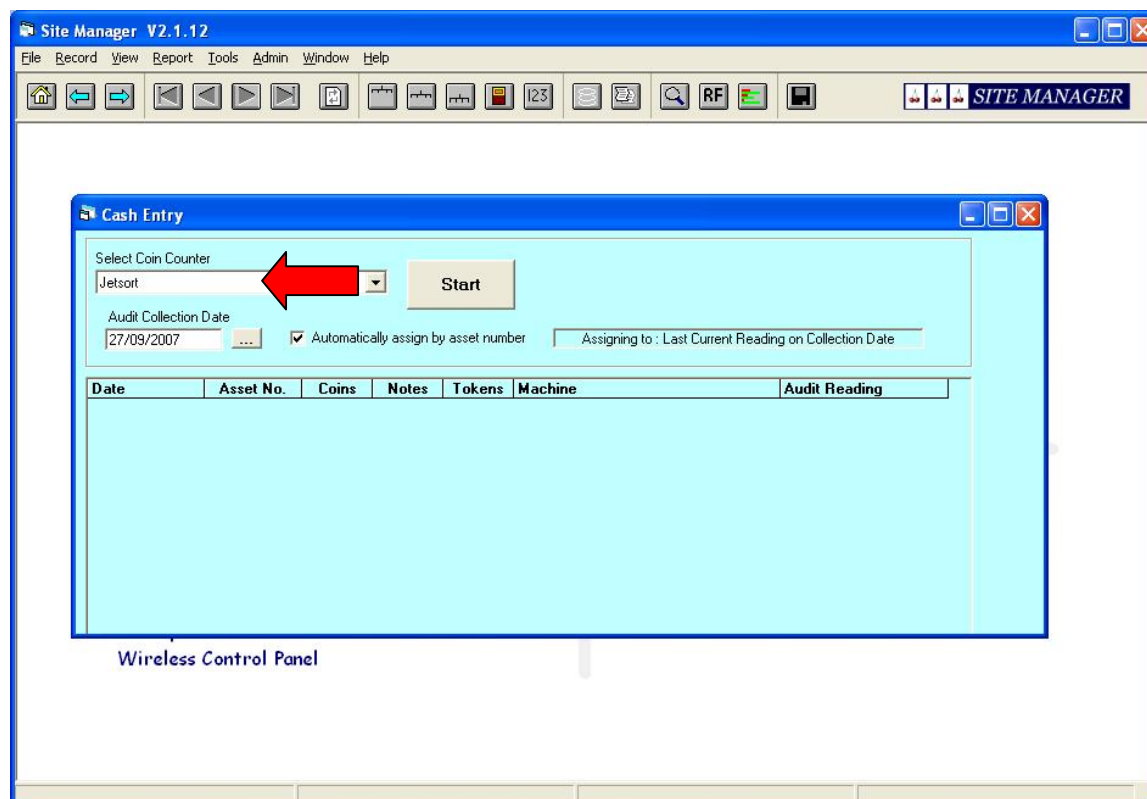


11. Click **Finish** to complete the set-up process.



4.6 Working With A Coin Counter

Using either the **Tools-Cash Entry** option from the menus or the **Cash Entry** button go to this data entry screen, and select a previously set-up coin counter:



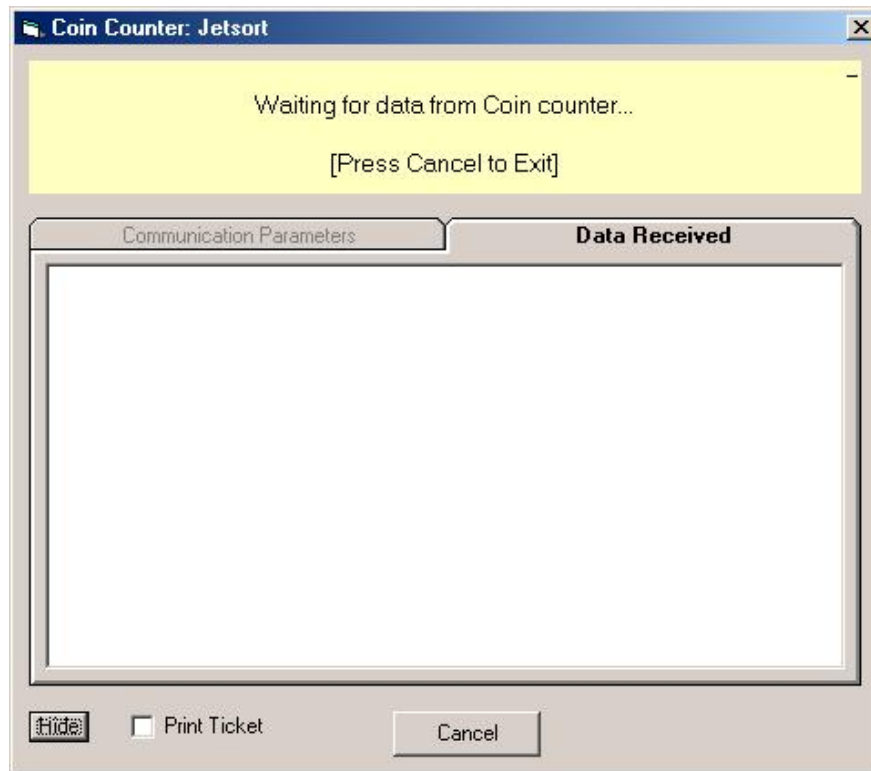
It is recommended that Asset Numbers are set up for each machine and the “automatic Assignment” function used to expedite the process.

To start collecting readings, press the **Start** button – this displays a progress window:

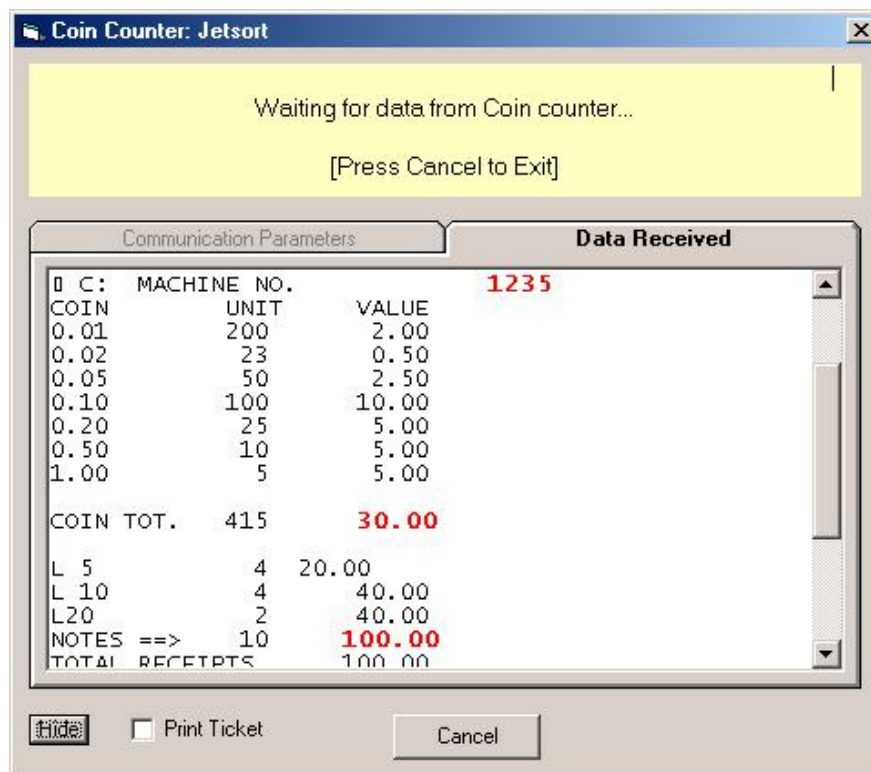


Clicking the **View** button allows the data from the Coin Counter to be displayed as it is received.

Check the **Print Ticket** option to send a copy of the information to the Windows default printer if a hard copy is required.



As data is received new "Cash Count" records are added automatically (with a bleep for confirmation - Site Manager waits for a 2 second gap in the data from the coin counter before creating the record). If the "view" option has been selected, the information collected is highlighted in red.

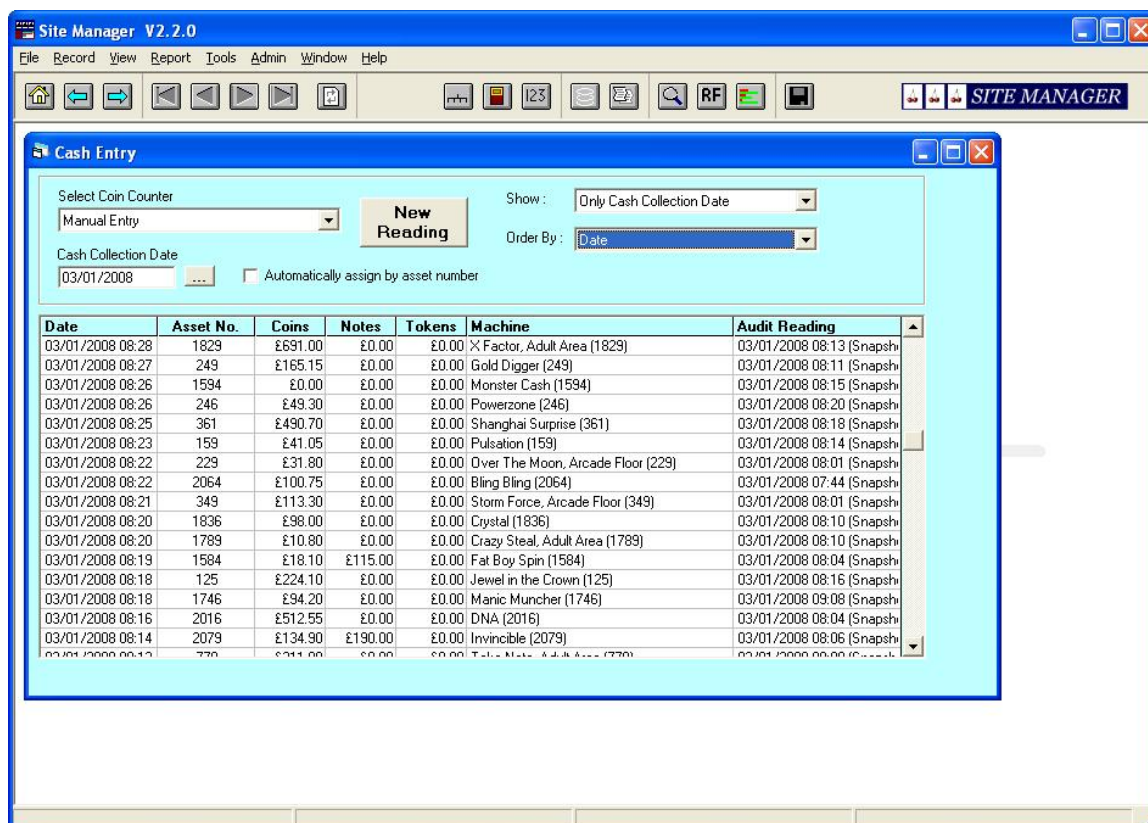




If the “Automatically Assign by Asset Number” box is ticked, as counted amounts are completed, Site Manager automatically assigns to the first reading found for the identified machine on the assigned date. (To change this refer to the INI file Settings in Appendix 6)

When counting is complete, click **CANCEL** to end the data collection.

Manual entries can then made as well to cover any money movements between machines for example if coins are “borrowed” from one machine to re-float another. Both positive and negative values can be entered.



The SHOW and ORDER BY pull-down options can be used to check through the data when the Automatically Assign box is not checked.

Using these options limits the amount of data displayed and can be ordered by asset number or cash entry Date/Time.



5 Reports

Site Manager includes a powerful reporting section to generate machine performance, management and tracking information in a variety of levels of direct reports:

- Site Summary Report
- Extended Detail Report
- Float Levels
- Cash Reconciliation
- Machine Performance by Time Period
- Machine Activity Log
- Machine Status
- Machine Movements
- Summary Counter Readings
- Detailed Meter/Counter Readings
- Cash Collection Status report
- Custom Counters Report

Once the report has been generated the “Grid” area can be printed or exported to Microsoft Excel.

Normally “Performance” Reports are based on the *Current* Reading set and a time Period, whilst the “Cash Reconciliation” report uses the *Snapshot* Reading set.

To create a report Select the “*Reports*” option from the main screen or the toolbar and then:

- (i) Select a site or a single machine from the “tree view”
- (ii) Select the report type
- (iii) Set the TO and FROM dates (and times). The dates can be selected from the calendar buttons – to enter a specific time overtype the time using a colon ':' character to separate the hours and minutes.
- (iv) Select sub group of machines or ALL machines from the Filter list
- (v) Click the REPORT button



The options available are shown below:

(ii) Report Type

(i) Select a Site or a single machine

Click this triangle to see more machines

(iii) Press these buttons to select dates

The screenshot shows the 'Reports' window in Site Manager V2.2.0. On the left, a tree view shows a site named 'My Arcade' expanded to show several machines. A callout points to this tree with the text '(i) Select a Site or a single machine'. Below the tree, there is a 'Order by' dropdown menu with 'Machine', 'Asset No', and 'All Readings' options. A callout points to a small downward-pointing triangle next to the 'Machine' option with the text 'Click this triangle to see more machines'. On the right, the 'Report' tab is active. It features a 'Show...' dropdown menu set to 'Summary', a 'By Machine' dropdown, and a 'Report' button. Below these are 'From' and 'to' date pickers, an 'Interval' dropdown set to 'End points only', and a 'Filter Machines By:' dropdown set to 'ALL machines'. A callout points to the date pickers with the text '(iii) Press these buttons to select dates'. Another callout points to the 'Report' button with the text '(ii) Report Type'.

Further options:

Print report

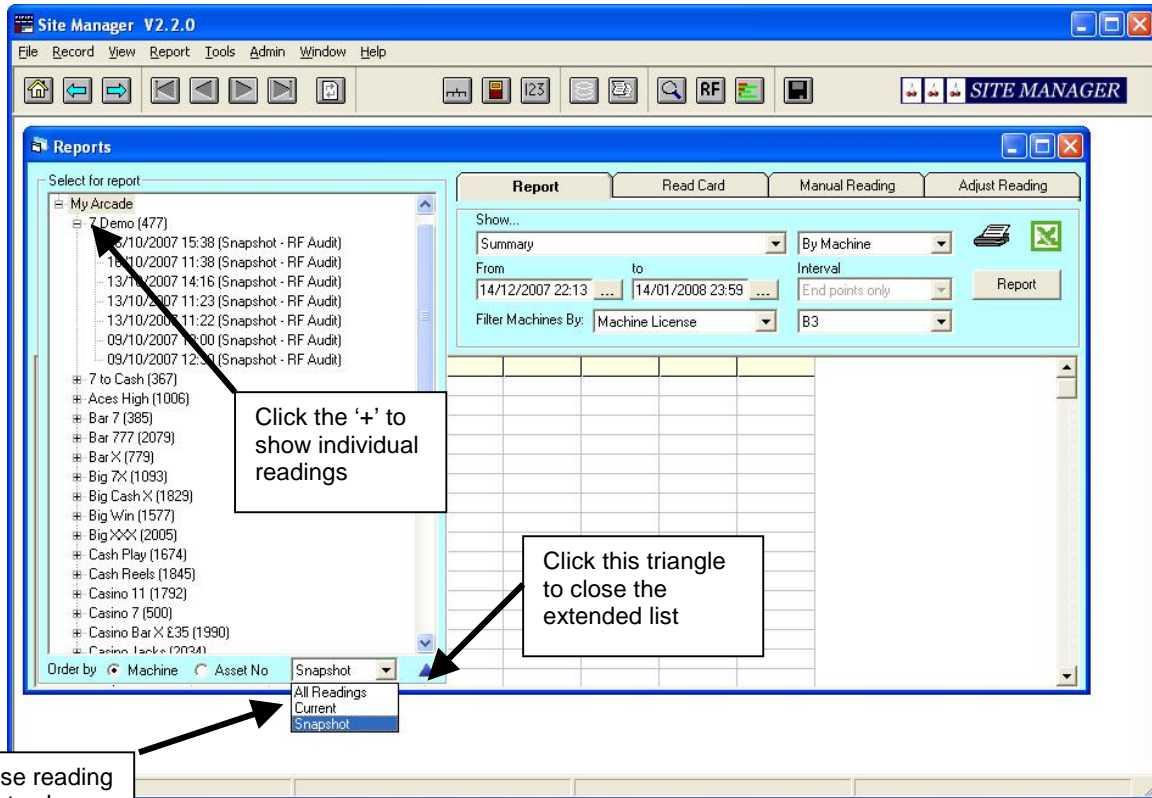
Export to Excel

Change the displayed order

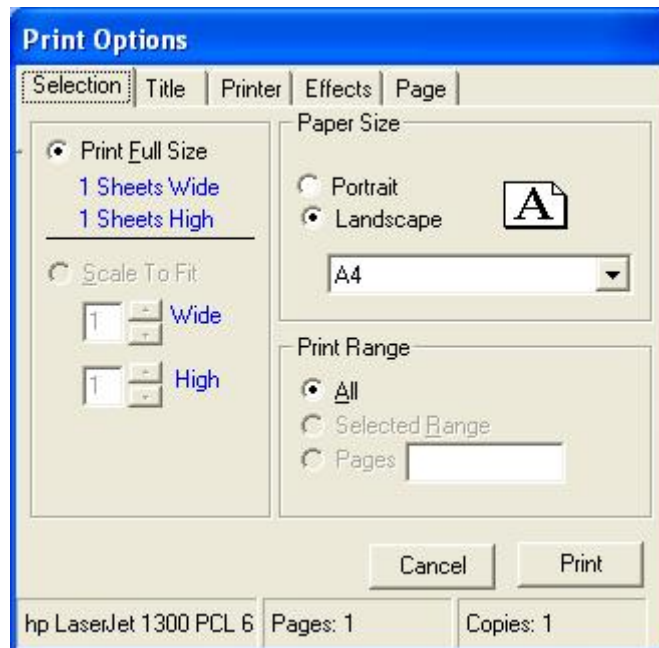
(iv) Select sub groups of machines – by group, type or license

(v) Click to generate the report

The screenshot shows the 'Reports' window in Site Manager V2.2.0. The 'Filter Machines By:' dropdown menu is open, showing options: 'Machine License', 'ALL Machines', 'Machine Group', 'Machine License', and 'Machine Type'. A callout points to this menu with the text '(iv) Select sub groups of machines – by group, type or license'. The 'Report' button is highlighted with a callout '(v) Click to generate the report'. To the right of the window, there are two callouts: 'Print report' pointing to a printer icon and 'Export to Excel' pointing to a green checkmark icon.



PRINT - brings up an options screen for the printing. Most Site Manager reports are best in Colour, in Landscape and fitted to 1 page wide.



Reports are normally generated in Machine Name alphabetic order. The information can be ordered based on any column – simply “double-click” the column header to sort based on that column. Another “double-click” will reverse the sort order.

For example, to sort in ascending Asset Number order “double-click” the box “Asset No”.



5.1 Summary Report

Machine	Asset No	Net Take	Cash In	Coins In	Notes In	Cash Out	Percentage Payout	Net Take 7 Day Average	V T P
7 Demo	477	£119.00	£167.60	£122.60	£45.00	£48.60	29.0%	£119.00	£0.00
7 to Cash	367	£2.40	£54.40	£54.40	£0.00	£52.00	95.6%	£2.10	£0.00
Aces High	1006	£187.90	£543.00	£543.00	£0.00	£365.10	65.4%	£131.53	£542.00
Bar 777	2079	£174.50	£1036.50	£956.50	£80.00	£862.00	83.2%	£135.72	£1024.00
Bar X	779	£85.80	£750.80	£750.80	£0.00	£665.00	88.6%	£66.73	£0.00
Beat the Best	1870	£68.50	£1280.80	£1280.80	£0.00	£1212.30	94.7%	£68.50	£1281.00
Big 7	1112	£2.00	£2.20	£2.20	£0.00	£0.20	9.1%	£2.33	£2.00
Big 77	1454	£180.90	£1001.90	£1001.90	£0.00	£821.00	81.9%	£140.70	£0.00
Big 7X	1093	£0.00	£0.00	£0.00	£0.00	£0.00	0.0%	£0.00	£0.00
Big Cash X	1829	£103.60	£797.60	£797.60	£0.00	£694.00	87.0%	£80.58	£763.00
Big XXX	2005	£24.30	£191.30	£191.30	£0.00	£167.00	87.3%	£21.26	£191.00
Billionaire	1785	£-4.00	£5.00	£5.00	£0.00	£9.00	180.0%	£-7.00	£5.00
Casino 11	1792	£82.20	£575.20	£575.20	£0.00	£493.00	85.7%	£57.54	£575.00
Casino Cash	2004	£132.00	£357.00	£357.00	£0.00	£225.00	63.0%	£102.67	£357.00
Casino Jacks	2034	£15.20	£95.20	£95.20	£0.00	£80.00	84.0%	£11.82	£95.00
Classic Fruits	2068	£20.20	£37.70	£37.70	£0.00	£17.50	46.4%	£17.68	£38.00
Crash Cash	125	£13.20	£35.20	£35.20	£0.00	£22.00	62.5%	£11.55	£35.00
Crazy 8	392	£141.40	£983.40	£983.40	£0.00	£842.00	85.6%	£123.73	£941.00
Crazy Bars	1836	£48.90	£213.90	£213.90	£0.00	£165.00	77.1%	£38.03	£214.00
Crazy Bars	846	£-2.40	£88.60	£88.60	£0.00	£91.00	102.7%	£-2.40	£89.00
Crazy Deals	1789	£1.30	£97.30	£97.30	£0.00	£96.00	98.7%	£0.91	£97.00
Electro Machine	001	£0.00	£11.00	£11.00	£0.00	£5.00	45.5%	£4.07	£11.00

Shows key machine performance information:

Net take

Total Cash In less Total Cash Out. Any negative Net Take values are highlighted in Red

Cash In, Coins In, Notes In

Breakdown of the amounts inserted in the machine

Cash Out

Reported payouts.

Percent payout

Payout percentage (Cash Out/Cash In). If highlighted in Red the value is outside the limits set for the machine.

Net Take 7 Day Average

Calculated to allow the comparison of machines

VTP

Shown if reported by the machine



5.3 Float Report

The screenshot shows the 'Site Manager V2.2.0 - [Reports]' window. The 'Report' tab is active, displaying a table of float reports. The table has the following columns: Machine, Asset No, Reading Date, Reported Cash float, Calculated Cash Float, Target Float, and Top Up. The 'Top Up' column values are highlighted in yellow or red. The 'Report' button is visible in the top right of the report area.

Machine	Asset No	Reading Date	Reported Cash float	Calculated Cash Float	Target Float	Top Up
7 Demo	477	16 Oct 07 17:00	£160.00	£0.00	£125.00	£-35.00
7 to Cash	367	08 Oct 07 16:00	£0.00	£0.00	£125.00	£125.00
Aces High	1006	09 Oct 07 11:00	£241.90	£0.00	£250.00	£8.10
Bar 777	2079	09 Oct 07 11:00	£0.00	£0.00	£250.00	£250.00
Bar X	779	09 Oct 07 11:00	£0.00	£0.00	£250.00	£250.00
Beat the Best	1870	07 Oct 07 14:00	£124.50	£0.00	£200.00	£75.50
Big 7	1112	05 Oct 07 12:00	£41.00	£0.00	£750.00	£709.00
Big 77	1454	09 Oct 07 11:00	£0.00	£0.00	£750.00	£750.00
Big 7X	1093	09 Oct 07 08:52	£0.00	£0.00	£115.00	£115.00
Big Cash X	1829	09 Oct 07 10:00	£0.00	£0.00	£200.00	£200.00
Big XXX	2005	08 Oct 07 15:00	£0.00	£0.00	£115.00	£115.00
Billionaire	1785	02 Oct 07 16:00	£0.00	£0.00	£125.00	£125.00
Casino 11	1792	09 Oct 07 10:00	£131.00	£0.00	£250.00	£119.00
Casino Cash	2004	08 Oct 07 14:00	£126.10	£0.00	£0.00	£-126.10
Casino Jacks	2034	07 Oct 07 15:00	£0.00	£0.00	£125.00	£125.00
Classic Fruits	2068	07 Oct 07 14:00	£93.20	£0.00	£95.00	£1.80
Crash Cash	125	06 Oct 07 16:00	£114.00	£0.00	£125.00	£11.00
Crazy 8	392	08 Oct 07 14:00	£0.00	£0.00	£200.00	£200.00
Crazy Bars	1836	08 Oct 07 14:00	£119.00	£0.00	£125.00	£6.00
Crazy Bars	846	05 Oct 07 13:00	£0.00	£0.00	£950.00	£950.00
Crazy Deals	1789	09 Oct 07 11:00	£269.30	£0.00	£200.00	£-69.30
Electric Machine	061	06 Oct 07 16:00	£0.00	£0.00	£125.00	£125.00

This report shows the amounts required to top up the float at the TO date. The Top Up amounts are highlighted in yellow or red if they are greater than £25 or £50 respectively. (These limit amounts can be changed – refer to Appendix 6)

Caution – this is only valid for BACTA units that actually report float or machines where the Dynamic Float function has been set-up. (Not all BACTA based machines actually report their float).



5.4 Cash Reconciliation

This is a complex report !

The *TO date* needs to be set to the date on which the cashboxes in the machines were emptied and the *FROM date* should be set to a day earlier.

For the reconciliation to work correctly *Snapshot* Readings are needed on each machine emptying day and *Counted Cash* needs to be assigned to these readings. The reconciliation report takes the difference between the *Snapshot* meter reading on the *TO date* and the preceding *Snapshot* meter readings that had *Counted Cash* assigned to it. Other *Snapshot* meter readings in between these two points without *Counted Cash* assigned are ignored.

The data produced allows the true cash activity from the meters between the two machine emptying days to be compared against the actual amounts counted.

It is important to ensure that even if zero cash is in the cashbox, or the cashbox is effectively negative after re-floating the machine, the zero or negative cash amount is entered manually on the *Cash Count* form. If cash is moved between Coins and Notes this should also be accounted in the *Cash Count* form which will allow multiple *Cash Count* records to be assigned to a specific *Snapshot* meter reading

Variances are calculated as the difference between the expected coin or note amount in the cashbox and the amounts actually counted. Positive variances greater than £2.50 are highlighted in **Light Green** and greater than £5 in **Green**.

Negative variances greater than £2.50 are highlighted in **Yellow** and greater than £5 in **Red**.

Machine	Asset No	From Date	To Date	Coin Variance	Note Variance	Cash In	Cash Out	Net Take
Golden Player 2	1083	13 Sep 07 08:47	27 Sep 07 08:41	-£1.00	£75.00	£1474.50	£1209.00	£265.50
Golden Player 3	1084	13 Sep 07 08:47	27 Sep 07 08:41	£0.00	£0.00	£1041.30	£800.00	£241.30
Golden Slots	1746	13 Sep 07 08:48	27 Sep 07 08:19	-£0.40	£0.00	£76.30	£64.20	£12.10
Golden x Game 1	1352	13 Sep 07 09:08	27 Sep 07 07:36	£0.00	£0.00	£394.80	£341.00	£53.80
Golden X Game 2	1353	13 Sep 07 09:08	27 Sep 07 07:36	£7.00	£0.00	£280.00	£225.00	£55.00
Golden X Game 3	1354	13 Sep 07 09:09	27 Sep 07 07:45	£21.30	£0.00	£156.20	£135.00	£21.20
Hot Rods	806	13 Sep 07 09:30	27 Sep 07 08:04	£0.00	£0.00	£912.40	£887.00	£25.40
Jack In the Box	2041	13 Sep 07 08:20	27 Sep 07 08:46	£0.00	£0.00	£558.30	£553.00	£5.30
Jokes on us	980	13 Sep 07 07:58	27 Sep 07 07:52	£0.00	£0.00	£19.70	£12.00	£7.70
Las Vegas	1568	13 Sep 07 07:18	27 Sep 07 07:01	£56.30	£300.00	£1942.00	£840.70	£1101.30
Magic Circle	1664	13 Sep 07 08:20	27 Sep 07 08:44	£1.00	£0.00	£555.10	£465.00	£90.10
Party Games	1037	13 Sep 07 07:01	27 Sep 07 06:59	£6.00	£5.00	£4625.00	£4624.00	£1.00
Poker Player	479	13 Sep 07 07:28	27 Sep 07 07:19	£0.05	£0.00	£1069.10	£992.50	£76.60
Poker Queen	2064	13 Sep 07 08:09	27 Sep 07 08:04	-£0.45	£0.00	£286.90	£217.00	£69.90
Reel to Win	1820	13 Sep 07 08:47	27 Sep 07 08:41	£1.30	£0.00	£222.70	£254.00	£-31.30
Reel to Win	1825	13 Sep 07 08:14	27 Sep 07 08:06	£0.00	£0.00	£954.00	£865.00	£89.00
Road to Gold	1915	13 Sep 07 09:04	27 Sep 07 09:04	£0.00	£0.00	£404.00	£279.00	£125.00
Slot King	1407	13 Sep 07 07:03	27 Sep 07 07:00	£606.20	£610.00	£2709.00	£2263.50	£445.50
Slots 4 All	1989	13 Sep 07 07:29	27 Sep 07 07:20	£806.40	£800.00	£4030.10	£2543.60	£1486.50
Slots Alive	1787	13 Sep 07 08:20	27 Sep 07 08:53	£0.00	£0.00	£54.80	£48.00	£6.80



The columns in the report show the key constituents of the variances plus the *Snapshot* reading *From Date* and *To Date* that have been used in the reconciliation.

If the dates are not as expected check that *Snapshot* readings have been taken on the expected dates and that *Counted Cash* has been assigned to them (even if it is a zero amount).

The Collection Details report (section 5.8) is a useful summary to check on machine emptying day to check that the data has been set up correctly to allow the Cash Reconciliation Report to work correctly.

Report Configuration Panel:

- Show: Cash Reconciliation
- From: 26/09/2007 00:00 to 27/09/2007 23:59
- Interval: All collections
- Filter Machines By: ALL Machines

Machine	Asset No	Net Take	Coins To Cashbox	Counted Coins	Cash Refill	Notes In	Counted Notes	Reported Cash Float
Golden Player 2	1083	£265.50	£190.50	£189.50	£0.00	£75.00	£0.00	£167.00
Golden Player 3	1084	£241.30	£241.30	£241.30	£0.00	£0.00	£0.00	£217.00
Golden Slots	1746	£12.10	£12.10	£11.70	£21.00	£0.00	£0.00	£245.60
Golden x Game 1	1352	£53.80	£53.80	£53.80	£38.00	£0.00	£0.00	£100.00
Golden X Game 2	1353	£55.00	£55.00	£62.00	£41.00	£0.00	£0.00	£104.00
Golden X Game 3	1354	£21.20	£21.20	£42.50	£13.00	£0.00	£0.00	£119.00
Hot Rods	806	£25.40	£25.40	£25.40	£0.00	£0.00	£0.00	£121.00
Jack In the Box	2041	£5.30	£5.30	£5.30	£0.00	£0.00	£0.00	£192.00
Jokes on us	980	£7.70	£7.70	£7.70	£0.00	£0.00	£0.00	£0.00
Las Vegas	1568	£1101.30	£126.30	£182.60	£0.00	£975.00	£675.00	£0.00
Magic Circle	1664	£90.10	£90.10	£91.10	£0.00	£0.00	£0.00	£107.00
Party Games	1037	£1.00	£4.00	£2.00	£0.00	£5.00	£0.00	£0.00
Poker Player	479	£76.60	£76.60	£76.65	£0.00	£0.00	£0.00	£124.10
Poker Queen	2064	£69.90	£69.90	£69.45	£0.00	£0.00	£0.00	£61.50
Reel to Win	1820	£-31.30	£-31.30	£-30.00	£0.00	£0.00	£0.00	£194.00
Reel to Win	1825	£89.00	£89.00	£89.00	£0.00	£0.00	£0.00	£165.00
Road to Gold	1915	£125.00	£125.00	£125.00	£0.00	£0.00	£0.00	£112.00
Slot King	1407	£445.50	£-579.50	£26.70	£0.00	£1025.00	£415.00	£0.00
Slots 4 All	1989	£1486.50	£-773.50	£32.90	£600.00	£2260.00	£1460.00	£82.74
Slots Alive	1787	£6.80	£6.80	£6.80	£0.00	£0.00	£0.00	£0.00



5.5 Performance Report

This report shows the *Net Take*, *Cash In*, *Percentage Payout* and *Refill* for the selected machines over the date range. The time *Interval* can be Monthly, Weekly, Daily or Hourly

Machine	Asset No	01 Sep 07 - 07 Sep 07	08 Sep 07 - 14 Sep 07	15 Sep 07 - 21 Sep 07	22 Sep 07 - 28 Sep 07	29 Sep 07 - 05 Oct 07	06 Oct 07 - 12 Oct 07	13 Oct 07 - 19 Oct 07
7 Demo	477						£83.00	£36.00
7 to Cash	367	£3.00	£11.10	£17.60	£3.00	£17.40		£13.80
Aces High	1006	£213.70	£118.00	£159.90	£11.10	£78.90		£98.00
Add em Up	815				£4.00			
Bar 777	2079	£89.10	£93.90	£26.00	£24.00	£154.00		£38.50
Bar X	779	£63.00	£117.00	£100.90	£110.00	£33.10		£91.80
Beat the Best	1870	£111.40	£180.40	£465.50	£152.10	£173.90		£22.10
Big 7	1112	£1.10	£1.60	£1.00	£6.20	£2.50		
Big 77	1454	£109.40	£103.90	£193.30	£104.40	£98.60		£84.70
Big 7X	1093							
Big Cash X	1829	£73.00	£101.50	£110.30	£24.90	£123.60		£4.00
Big XXX	2005	£31.70	£23.50	£37.00	£5.00	£26.00		£7.30
Billionaire	1785	£4.80	£8.60		£10.60	£4.00		
Cash Reels	1845	£21.00	£10.00					
Casino 11	1792	£21.00	£38.40	£4.80	£17.70	£87.20		£5.00
Casino 7	500							
Casino Cash	2004		£35.40	£27.80	£73.00	£154.00		£5.00
Casino Jacks	2034	£5.40	£7.20	£6.60	£10.20	£9.20		£6.00
Classic Fruits	2068		£14.40	£33.50	£16.20	£24.20		£2.50
Crash Cash	125	£68.50	£8.80	£40.30	£13.20	£5.30		£7.90
Crazy 8	392	£99.60	£23.00	£83.10	£42.40	£149.40		£14.00

Machine	Asset No	01 Sep 07	02 Sep 07	03 Sep 07	04 Sep 07	05 Sep 07	06 Sep 07	07 Sep 07	08 Sep 07	09 Sep 07	10 Sep 07
7 to Cash	367	£3.00	£6.50	£2.50	£3.00	£16.90	£12.90	£13.20	£5.50	£0.10	£2.00
Aces High	1006	£56.00	£95.00	£31.00		£48.00	£11.00	£413.00	£124.00	£6.00	£39.00
Bar 777	2079	£5.00	£58.00	£129.00	£16.00	£29.00	£81.00	£43.00	£101.50	£5.00	£74.70
Bar X	779	£36.00	£182.00		£88.00	£133.00	£14.00	£65.00	£247.00	£4.00	£58.00
Beat the Best	1870	£624.80	£2.00	£35.00	£78.60	£42.00		£554.80	£1844.00	£628.40	£226.80
Big 7	1112	£1.10	£1.00	£0.40	£2.00		£2.80		£3.20		
Big 77	1454	£97.20	£13.20	£235.10	£122.50	£98.40	£31.40	£30.00	£127.10	£14.10	£210.10
Big 7X	1093	£0.10	£0.10	£0.10	£0.10	£0.10	£0.10	£0.10	£0.30	£0.10	
Big Cash X	1829	£304.00	£12.00	£302.00	£42.00	£129.00	£189.00	£22.00	£698.70	£33.00	£341.00
Big XXX	2005	£2.00		£43.50	£13.00	£22.00	£25.00	£11.20	£24.00		
Billionaire	1785	£2.20	£8.00		£1.00	£1.60	£10.00		£18.60		
Cash Reels	1845	£56.00	£21.00		£2.00	£2.00	£3.00	£5.00	£43.00		£3.00
Casino 11	1792	£75.00		£45.00	£21.00	£2.00	£5.00	£4.40			
Casino 7	500										
Casino Cash	2004										
Casino Jacks	2034	£8.00	£2.00		£2.00	£5.00	£0.40	£1.00	£18.00	£2.80	
Classic Fruits	2068										
Crash Cash	125	£4.10	£4.00	£98.80	£67.70	£7.00	£3.90		£6.00	£2.00	£96.00
Crazy 8	392	£68.00	£238.00	£4.00	£151.00	£24.00	£6.00	£17.60	£18.00	£104.50	£67.00
Crazy Bars	1836	£114.50	£82.90	£11.10	£5.00	£9.10	£24.00	£142.20	£1.00		£6.00



5.6 Activity Report

Name	Asset No	Event Date	Type	Detail	Value
Chain Reaction	980	03 Jan 2008 11:16	Cash Activity	Coins Out	£4.00
Chain Reaction	980	03 Jan 2008 11:16	Cash Activity	Coins In	£3.00
Chain Reaction	980	03 Jan 2008 11:14	Cash Activity	Coins In	£2.00
Chain Reaction	980	03 Jan 2008 11:07	Setup Data read		
Chain Reaction	980	03 Jan 2008 10:03	Setup Data read		
Chain Reaction	980	03 Jan 2008 08:57	Setup Data read		
Chain Reaction	980	03 Jan 2008 08:00	Current Meter Reading		
Chain Reaction	980	03 Jan 2008 07:44	Service Door Opened		
Chain Reaction	980	03 Jan 2008 07:44	Snapshot Meter Reading		
Chain Reaction	980	03 Jan 2008 06:55	Power On		
Chain Reaction	980	02 Jan 2008 20:51	Power Off		
Chain Reaction	980	02 Jan 2008 20:02	Setup Data read		
Chain Reaction	980	02 Jan 2008 19:00	Current Meter Reading		
Chain Reaction	980	02 Jan 2008 18:22	Cash Activity	Coins Out	£11.00
Chain Reaction	980	02 Jan 2008 18:21	Cash Activity	Coins In	£1.00
Chain Reaction	980	02 Jan 2008 18:21	Cash Activity	Coins In	£1.00
Chain Reaction	980	02 Jan 2008 18:20	Cash Activity	Coins In	£2.00
Chain Reaction	980	02 Jan 2008 18:19	Cash Activity	Coins In	£1.00
Chain Reaction	980	02 Jan 2008 18:17	Cash Activity	Coins Out	£2.00
Chain Reaction	980	02 Jan 2008 18:17	Cash Activity	Coins In	£2.00
Chain Reaction	980	02 Jan 2008 18:16	Cash Activity	Coins Out	£2.00
Chain Reaction	980	02 Jan 2008 18:16	Cash Activity	Coins In	£3.00
Chain Reaction	980	02 Jan 2008 18:09	Cash Activity	Coins In	£1.00

This produces a report listing time and date stamped activity for the selected machine or site.

Activities logged are:

- Cash Activity (Coins In, Coins Out, Notes In or Refill) – EC4 and EC5 meters only
- Current and Snapshot meter readings
- Optionally - Power On and Power Off times
- BACTA dataport alarms
- Hardware alarms (spare counter inputs on the meters can be assigned to log alarm events)
- Card Reading taken
- Cashbox Door Opened
- Service Door Opened
- Setup Information – EC4 and EC5 meters only.

Activity information is stored in the database for a limited period of time. Use the **Tools-Options-Activity History** menu option to set this time.

Warning – choose the time period carefully for particularly the whole site otherwise the report will be too big to display and you will get an error message.

Note: EC4 meters are typically configured to send a set of Current meter readings every hour (this can be changed). These readings are only sent if there has been cash activity since the last reading was sent. If an EC4 meter has had no activity for the last hour it sends a Setup Information message as an “I’m still here” message.



Machine Status Report – continued:

Site Manager V2.2.0 - [Reports]

File Record View Report Tools Admin Window Help

Home Back Forward Stop Print Refresh Home

Report Read Card Manual Reading Adjust Reading

Select for report

- Not on Site
- My Arcade
 - 7 Demo (477)
 - 16/10/2007 15:38 (Snapshot - RF Audit)
 - 16/10/2007 11:38 (Snapshot - RF Audit)
 - 13/10/2007 14:16 (Snapshot - RF Audit)

Order by: Machine Asset No Snapshot

Report

Show... Machine Status

From: 01/09/2007 00:00 to: 15/09/2007 23:59 Interval: End points only

Filter Machines By: ALL Machines

Name	Latest Reading Date (Current)	Latest Reading Date (Snapshot)	Latest Cash Date	R S S I	Status	M A C Address	Calculate Float
7 to Cash	08 Oct 07 16:00	27 Sep 07 08:35	27 Sep 07 08:45	194	8000	0013A2004000B452	No
Aces High	09 Oct 07 11:00	27 Sep 07 08:58	27 Sep 07 09:00	0	8000	0013A2004000B46F	No
Bar 777	09 Oct 07 11:00	28 Sep 07 16:48	13 Sep 07 08:38	0	8000	0013A2004000B401	No
Bar X	09 Oct 07 11:00	27 Sep 07 08:10	27 Sep 07 08:21	192	8000	0013A2004000B446	No
Beat the Best	07 Oct 07 14:00	06 Oct 07 17:02	27 Sep 07 08:06	180	8000	0013A2004000B382	No
Big 7	05 Oct 07 12:00	27 Sep 07 11:01	13 Sep 07 08:27	193	8000	0013A20040090483	No
Big 77	09 Oct 07 11:00	01 Oct 07 13:33	27 Sep 07 08:13	0	8000	0013A2004009048A	No
Big 7X	09 Oct 07 08:52	27 Sep 07 07:33	02 Aug 07 08:19	196	8000	0013A20040090808	No
Big Cash X	09 Oct 07 10:00	27 Sep 07 09:37	27 Sep 07 08:31	190	8000	0013A20040090803	No
Big XXX	08 Oct 07 15:00	27 Sep 07 07:31	27 Sep 07 08:08	191	8000	0013A200400907FF	No
Billionaire	02 Oct 07 16:00	27 Sep 07 08:55	27 Sep 07 08:59	202	8000	0013A2004009082D	No
Cash Reels	14 Sep 07 12:00	14 Sep 07 14:31	13 Sep 07 09:16	192	8000	0013A2004009080C	No
Casino 11	09 Oct 07 10:00	27 Sep 07 07:57	13 Sep 07 08:24	211	8000	0013A2004000B447	No
Casino 7	27 Sep 07 09:00	27 Sep 07 08:15	27 Sep 07 08:29	186	8000	0013A20040090479	No
Casino Cash	08 Oct 07 14:00	27 Sep 07 08:55	27 Sep 07 08:59	202	8000	0013A2004000B468	No
Casino Jacks	07 Oct 07 15:00	27 Sep 07 07:49	27 Sep 07 08:17	184	8000	0013A2004000B414	No
Classic Fruits	07 Oct 07 14:00	27 Sep 07 08:05	27 Sep 07 08:27	203	8000	0013A2004000B42A	No
Crash Cash	06 Oct 07 16:00	27 Sep 07 08:23	27 Sep 07 08:28	199	8000	0013A2004009047C	No
Crazy 8	08 Oct 07 14:00	27 Sep 07 08:32	27 Sep 07 08:35	175	8000	0013A2004000B470	No
Crazy Bars	08 Oct 07 14:00	27 Sep 07 08:11	27 Sep 07 08:29	195	8000	0013A2004000B43D	No



5.8 Collection Details

This report is only available for an individual meter reading and gives all the counter values (in pence if they are monetary values rather than straight counts)

The screenshot shows the 'Collection Details' report for machine 7 Demo (477) at 16/10/2007 15:38. The report is displayed in a table with three columns: Counter, Total, and Resettable.

Counter	Total	Resettable
£1 Coin Out	12600	0
£5 Note In	15500	0
20p Coin In	60	0
20p Coin Out	260	0
50p Coin In	650	0
50p Coin Out	1000	0
Cashbox Door Open count	8	0
Input 1	272	7
Input 2	234	2
Input 3	139	2
Input 4	127	0
Input 5	136	2
Input 6	147	1
Operating Hours	58	1
Service Door Open count	3	0
Total Cash IN	36310	0
Total Cash OUT	13860	0
Total Cash Refill	11100	0
Total Cash to Float	1800	0
Total Notes IN	15500	0
VTP	460	0
Reported Cash Float	£160.00	
Reported Token Float	£0.00	

Use this report to check a machine in the finest detail by comparing with an earlier collection detail to highlight the differences that have occurred.

The screenshot shows the 'Collection Details' report for machine 7 Demo (477) at 13/10/2007 14:16. The report is displayed in a table with three columns: Counter, Total, and Resettable.

Counter	Total	Resettable
£1 Coin In	19200	19200
£1 Coin Out	10200	10200
£5 Note In	15000	15000
50p Coin In	650	650
Cashbox Door Open count	8	8
Input 1	258	258
Input 2	232	232
Input 3	137	137
Input 4	126	126
Input 5	134	134
Input 6	144	144
Operating Hours	54	54
Service Door Open count	3	3
Total Cash IN	34850	34850
Total Cash OUT	10200	10200
Total Cash Refill	11100	11100
Total Cash to Float	1100	1100
Total Notes IN	15000	15000
VTP	460	460
Reported Cash Float	£4.00	
Reported Token Float	£0.00	



5.9 Machine Movement Report

This shows the first and last readings for machine/meter combinations on the site

The screenshot shows the 'Site Manager V2.2.0 - [Reports]' application window. The 'Report' tab is active, displaying a 'Machine Movement' report. The report configuration panel on the right shows the following settings:

- Show: Machine Movement
- From: 01/09/2007 00:00 to 15/09/2007 23:59
- Interval: End points only
- Filter Machines By: ALL Machines

The main data table below the configuration panel lists the following information for various machines:

Machine	Asset Number	Location	Meter Number	First Reading Date	Last Reading Date
7 to Cash	367		1073787986	09 Jul 2007 13:26	08 Oct 2007 16:00
Aces High	1006		1073788015	10 Jul 2007 11:40	09 Oct 2007 11:00
Bar 777	2079		1073787905	16 Aug 2007 16:12	09 Oct 2007 11:00
Bar X	779		1073787974	08 Jul 2007 13:00	09 Oct 2007 11:00
Beat the Best	1870		1073787826	09 Jul 2007 12:31	07 Oct 2007 14:00
Big 7	1112		1074332803	09 Jul 2007 18:00	05 Oct 2007 12:00
Big 77	1454		1074332810	10 Jul 2007 18:00	09 Oct 2007 11:00
Big 7X	1093		1074333704	10 Jul 2007 14:00	09 Oct 2007 08:52
Big Cash X	1829		1074333699	09 Jul 2007 14:00	09 Oct 2007 10:00
Big XXX	2005		1074333695	02 Aug 2007 08:02	08 Oct 2007 15:00
Billionaire	1785		1074333741	10 Jul 2007 11:00	02 Oct 2007 16:00
Cash Reels	1845		1074333708	09 Jul 2007 16:00	14 Sep 2007 14:31
Casino 11	1792		1073787975	09 Jul 2007 14:00	09 Oct 2007 10:00
Casino 7	500		1074332793	10 Jul 2007 17:00	27 Sep 2007 09:00
Casino Cash	2004		1073788008	13 Sep 2007 12:00	08 Oct 2007 14:00
Casino Jacks	2034		1073787924	30 Aug 2007 10:00	07 Oct 2007 15:00
Classic Fruits	2068		1073787946	09 Jul 2007 18:50	07 Oct 2007 14:00
Crash Cash	125		1074332796	09 Jul 2007 16:00	06 Oct 2007 16:00
Crazy 8	392		1073788016	09 Jul 2007 14:00	08 Oct 2007 14:00
Crazy Bars	846		1073787976	09 Jul 2007 16:00	05 Oct 2007 13:00
Crazy Bars	1836		1073787965	09 Jul 2007 14:00	08 Oct 2007 14:00
Crazy Deals	1789		1073787903	10 Jul 2007 11:00	09 Oct 2007 11:00
Electro Magic	861		1073787680	10 Jul 2007 11:40	08 Oct 2007 19:00
Find the Gold	1898		1074332814	09 Jul 2007 12:38	08 Oct 2007 14:00



6 Wireless Control Panel

The Wireless Control panel allows the user to monitor all current activities on a site in near real-time.

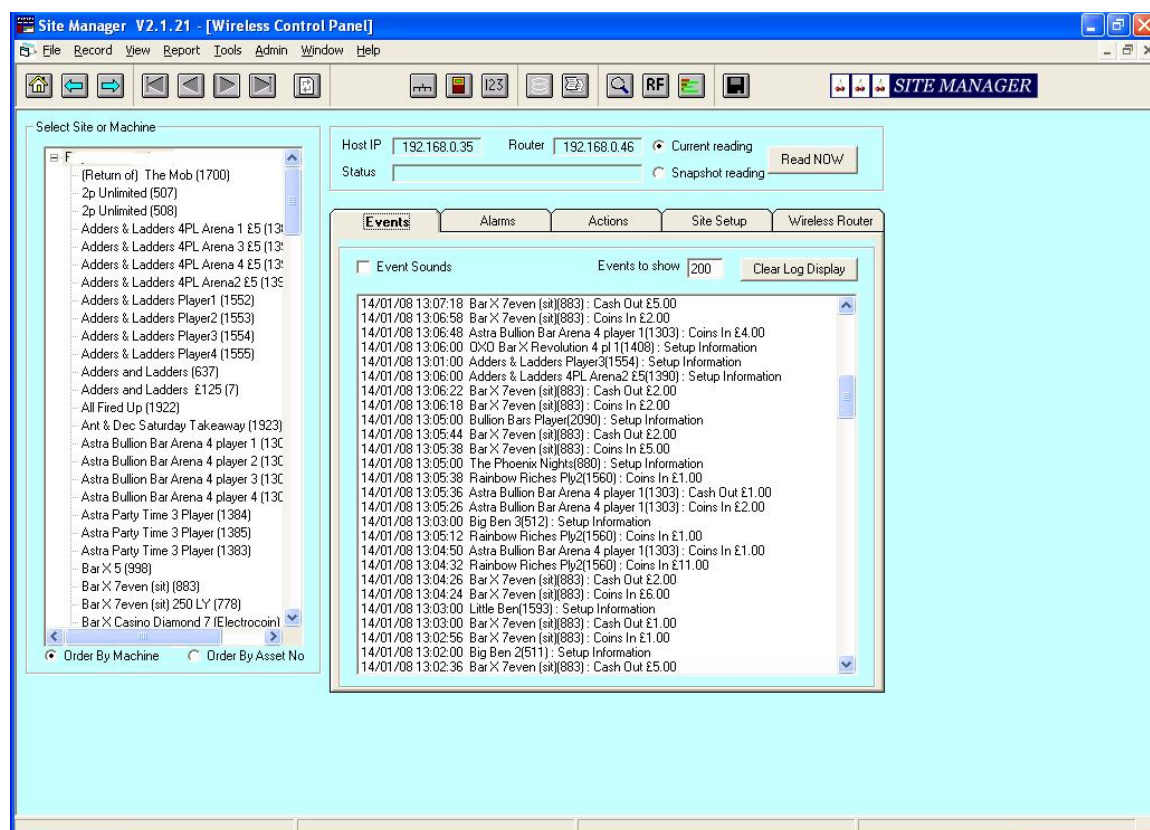
6.1 Event and Alarm Logging

This shows the current activity on the site.

The data is logged to daily dated files in the **C:\Program Files\Site Manager\Events** folder

The **Read NOW** button allows meter readings for an individual machine or the whole site to be taken immediately.

Note: On a site with many tens of machines it can take several minutes for all the readings to arrive back at the server PC, however the readings will be correct for the requested point in time.



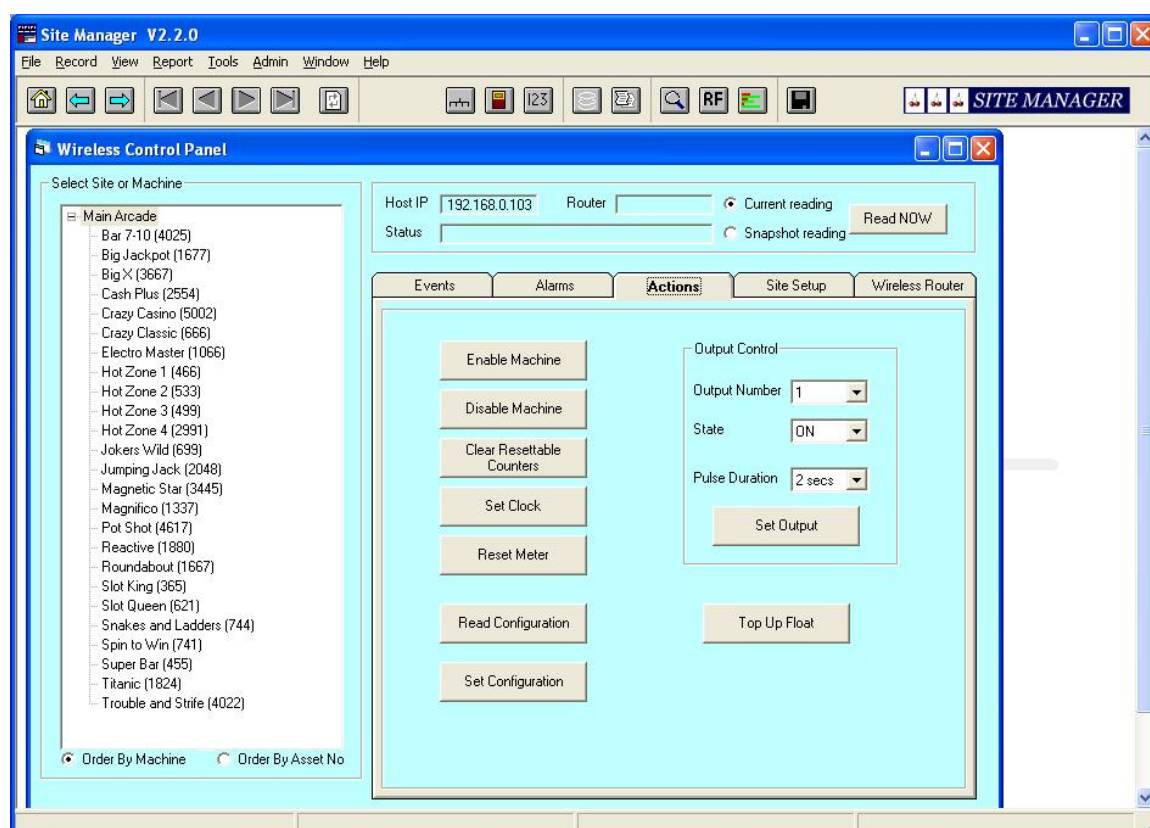


6.2 ALARM TAB

This shows the most recent alarm events on the site.

The screenshot displays the 'Site Manager V2.1.21 - [Wireless Control Panel]' application window. The interface is divided into several sections:

- Menu Bar:** File, Record, View, Report, Tools, Admin, Window, Help.
- Toolbar:** Contains icons for home, back, forward, search, and other navigation functions.
- Left Panel:** A tree view titled 'Select Site or Machine' listing various casino machines such as '(Dxo) Super Reels 4 Player 1 (1924)', 'Casino Bar X (up) (53)', and 'Joker Poker Sit Down (1918)'. It includes sorting options: 'Order By Machine' (selected) and 'Order By Asset No'.
- Top Right Panel:** Configuration fields for 'Host IP' (192.168.0.25) and 'Router' (192.168.0.54). It also features radio buttons for 'Current reading' (selected) and 'Snapshot reading', along with a 'Read NOW' button.
- Main Display Area:** A tabbed interface with 'Alarms' selected. It shows a list of recent alarm events, including:
 - 13/01/08 21:54:00 8 x Cash 390(1828) : Power OFF :
 - 13/01/08 21:54:00 Casino Bar X (up)(53) : Power OFF :
 - 14/01/08 09:47:58 Golden Game 3 Player 3(1028) : Power ON :
 - 14/01/08 09:47:58 Party Game 4 player plasma 1(1087) : Power ON :
 - 14/01/08 09:47:58 Joker Poker Sit Down(1918) : Power ON :
 - 13/01/08 21:54:00 Golden Game 3 Player 3(1028) : Power OFF :
 - 13/01/08 21:54:00 Party Time Arena 7(1943) : Power OFF :
 - 13/01/08 21:54:00 Party Game 4 player plasma 1(1087) : Power OFF :
 - 13/01/08 21:54:00 Joker Poker Sit Down(1918) : Power OFF :
 - 13/01/08 16:46:10 Demon Streak - Showtime £125(1807) : R Alarm Options or % changed
 - 13/01/08 16:46:06 Demon Streak - Showtime £125(1807) : Service Door Opened :
 - 13/01/08 16:45:38 Demon Streak - Showtime £125(1807) : R Alarm Options or % changed
 - 13/01/08 16:44:34 Demon Streak - Showtime £125(1807) : R Alarm Options or % changed
 - 13/01/08 16:44:30 Demon Streak - Showtime £125(1807) : Service Door Opened :
 - 13/01/08 09:54:02 (Dxo) Super Reels 4 Player 3(1926) : Power ON :
 - 13/01/08 09:54:02 (Dxo) Super Reels 4 Player 2(1925) : Power ON :
 - 13/01/08 09:54:02 (Dxo) Super Reels 4 Player 4(1927) : Power ON :
 - 13/01/08 09:54:02 (Dxo) Super Reels 4 Player 1(1924) : Power ON :
 - 13/01/08 09:47:00 (Dxo) Super Reels 4 Player 3(1926) : Power OFF :
 - 13/01/08 09:47:00 (Dxo) Super Reels 4 Player 2(1925) : Power OFF :
 - 13/01/08 09:47:00 (Dxo) Super Reels 4 Player 4(1927) : Power OFF :
 - 13/01/08 09:47:00 (Dxo) Super Reels 4 Player 1(1924) : Power OFF :
 - 13/01/08 09:53:54 Knight Fever(1848) : Power ON :
 - 13/01/08 09:53:00 Knight Fever(1848) : Power OFF :
 - 13/01/08 09:31:16 Party Game 4 player plasma 2(1088) : Power ON :
 - 13/01/08 09:31:16 (Dxo) Super Reels 4 Player 3(1926) : Power ON :

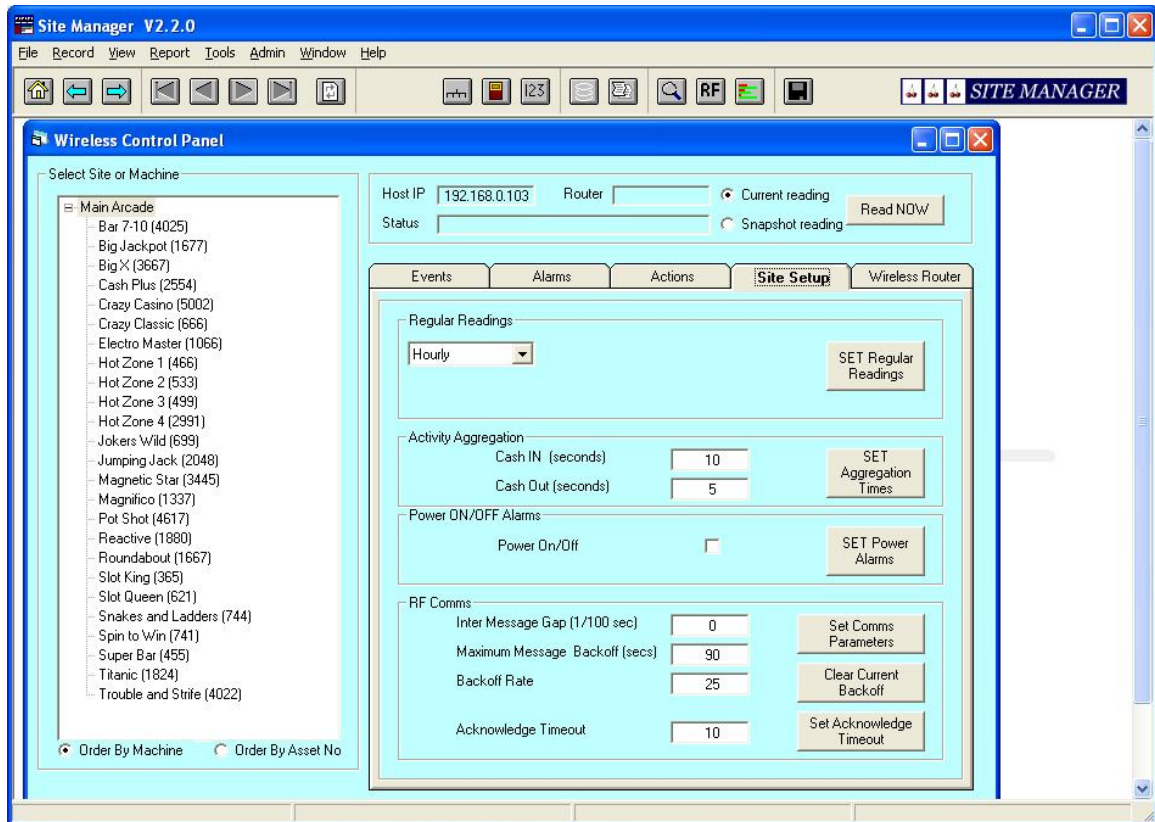
**6.3 Direct Machine Control TAB**

This allows direct action on one or more machines:

- | | |
|----------------------------------|--|
| Enable Machine | Allow the EC4/EC5 meter to acknowledge BACTA messages |
| Disable Machine | Stop the EC4/EC5 acknowledging the machine – If the machine has “Protocol PROMs” fitted this should put the machine into an alarm mode unless the doors are open. |
| Clear Resettable Counters | The EC4/EC5 meters have resettable counters as well as the normal counters, however these are rarely used. This command will clear the resettable counters but not the main counters |
| Set Clock | Always sent as a site wide broadcast. |
| Read Configuration | Read one or more machines. (can also be done from the Meter page) |
| Set Configuration | Reconfigure ONLY the selected machine. (can also be done from the Meter page) |
| Set Output | The EC4 and EC5 meters have one or more programmable output lines that can be directly controlled with this command. |
| Top Up Float | Reset the Dynamic Float level to FULL. |



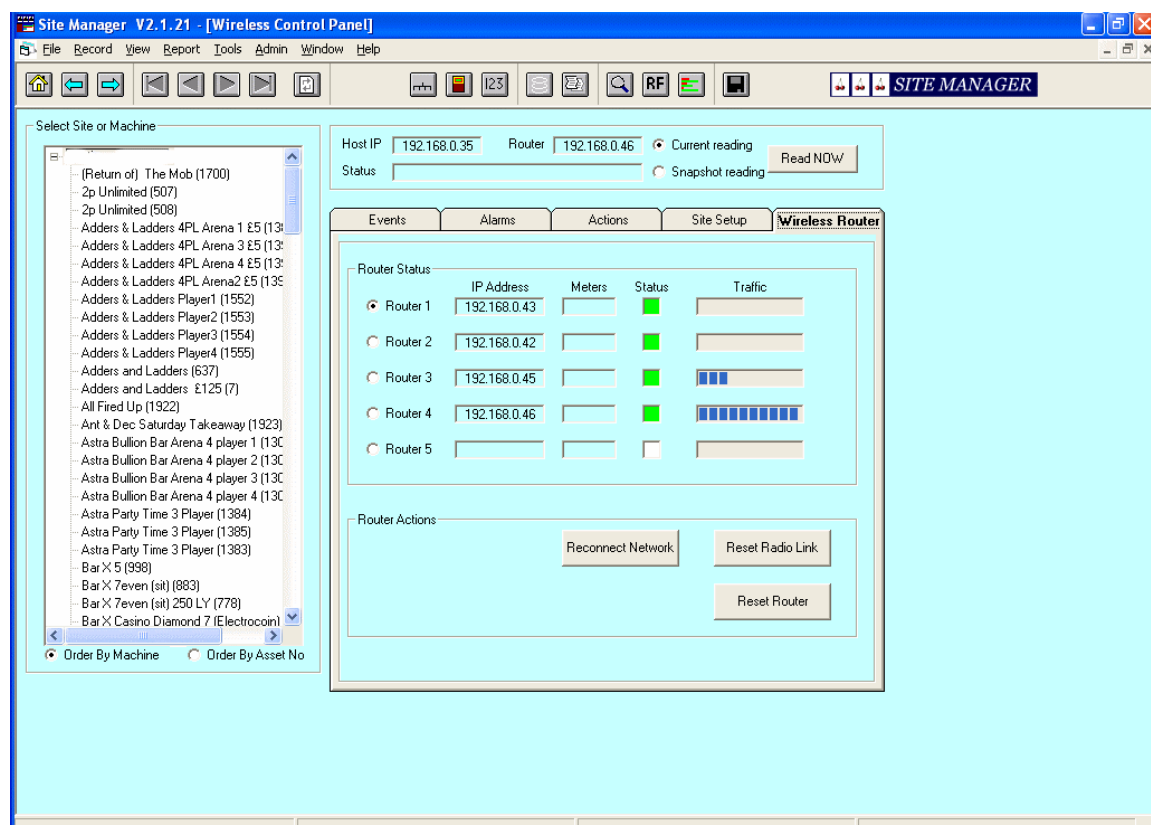
6.4 Site Setup TAB



These configurations are for installers only. Otherwise it is recommended that these settings are left at their default values.



6.5 Wireless Router TAB



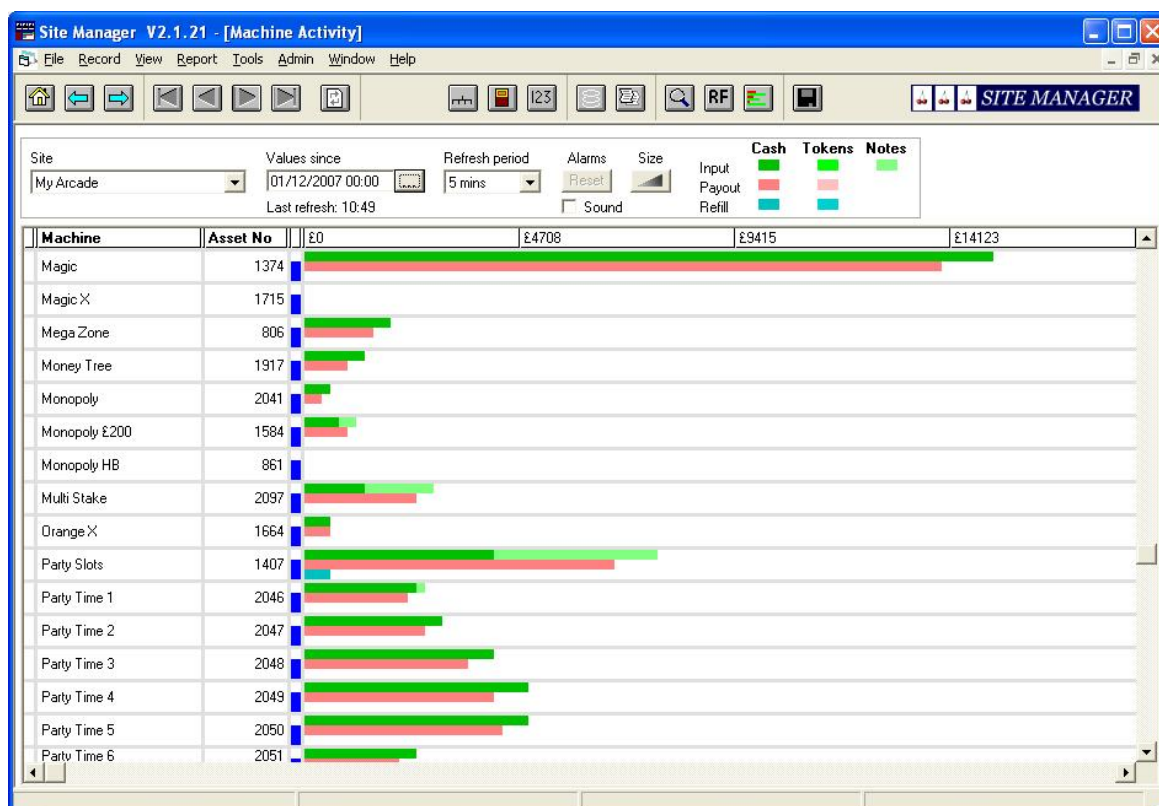
This shows the status of the wireless routers on the site. The Traffic bars show how busy the router is whilst the Status Indicator shows green when the router is correctly connected.

If there is no traffic from a router for a while the Status indicator may go Red for a few seconds and then back to Green – this is quite normal and is the server resetting the connection to the router.

The Router Action buttons allow manual actions to be performed on the selected router. These are for installer use only.



7 Graphical Activity Display



This display shows the Cash In (Coins and Notes), Cash Out and Refill Activity for each machine from the selected date. The display is refreshed periodically.

The scaling is calculated automatically based on the largest amount to be displayed. Hovering the mouse over a particular bar will show the detailed value.

The “blue columns” indicate machines that are being played or have been played recently.

If a machine Alarms, this is shown by a flashing Red dot to the left of the machine name. This can be cleared with the Alarm Reset Button. Hovering the mouse over the Alarm Dot will display the alarm cause.

Optionally the Total Site Activity can be displayed in the top right hand corner of this screen.

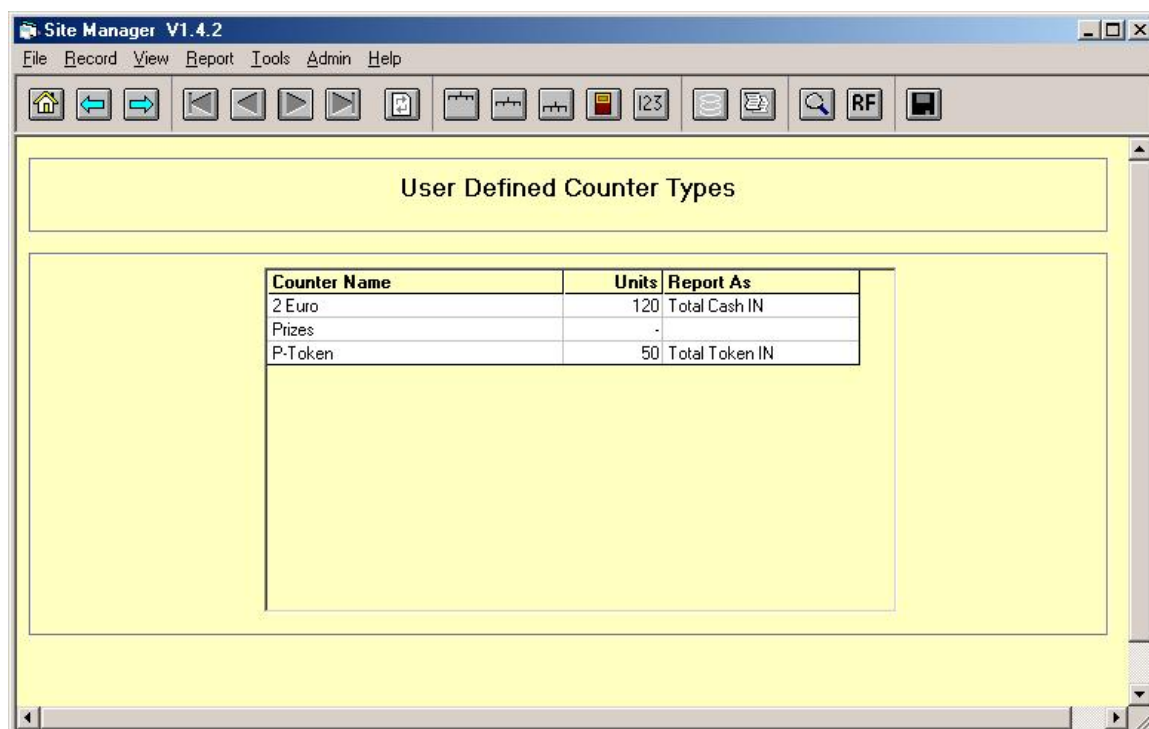


8 Special Features

8.1 User Counters

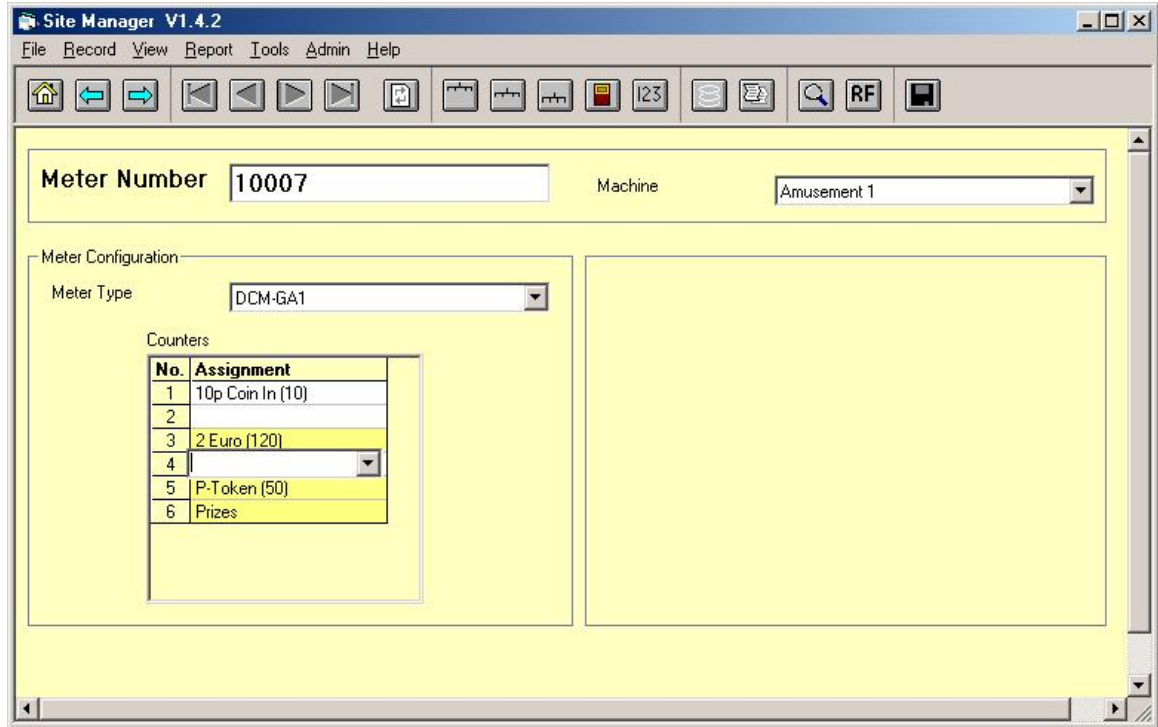
In most applications the standard counters provides sufficient choice for “hardware” inputs, however there are occasions when something different is required. For example on an amusement machine there may be a “prize” counter. To cater for this and other “user specific” count types **Site Manager** supports “**User Counters**” that can be defined as required. To access these use the **Admin-Counter Definitions** menu option :

Use the **Record-New** menu to create new fields. In this example a counter named “Prize”, a special token “P-Token” with a value of 50p (to be included in the “Token In” total) and a 2 Euro coin in (to be included in the “Total Cash In” amount, with a value of £1.20 per coin inserted) have been created.





These “**User**” counters can now be selected when setting up a meter:





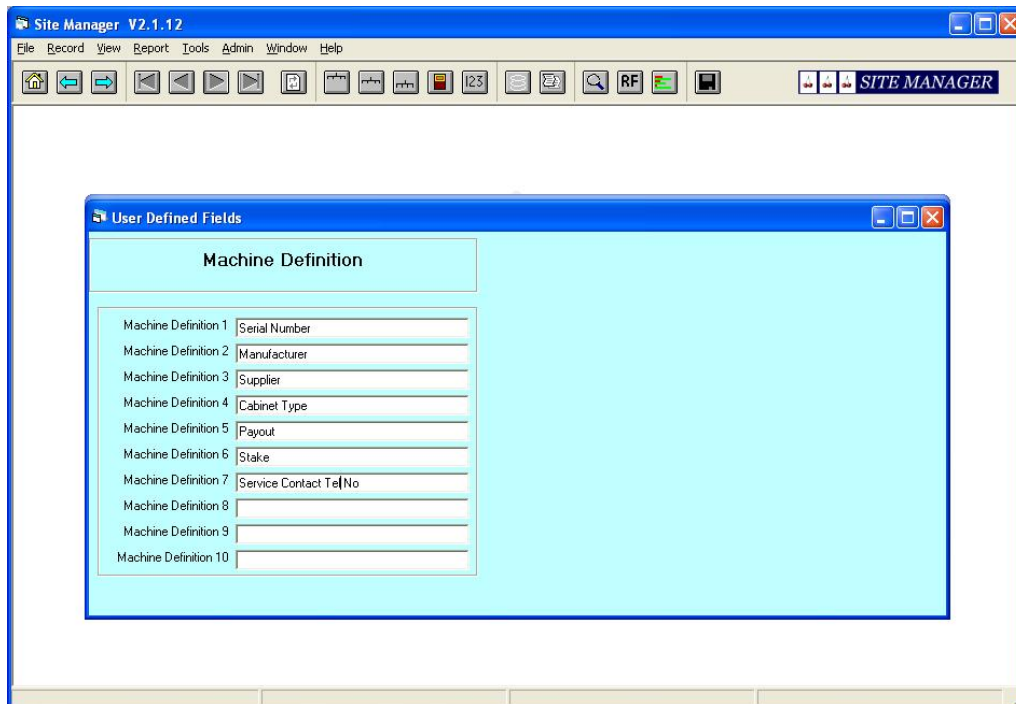
8.2 User Fields

It is possible to allow the inclusion of extra information within the Group, Region, Site, Machines, Meter and Users forms. These may be used for e.g. machine software version, manufacturer's support telephone number etc. To access this capability select :

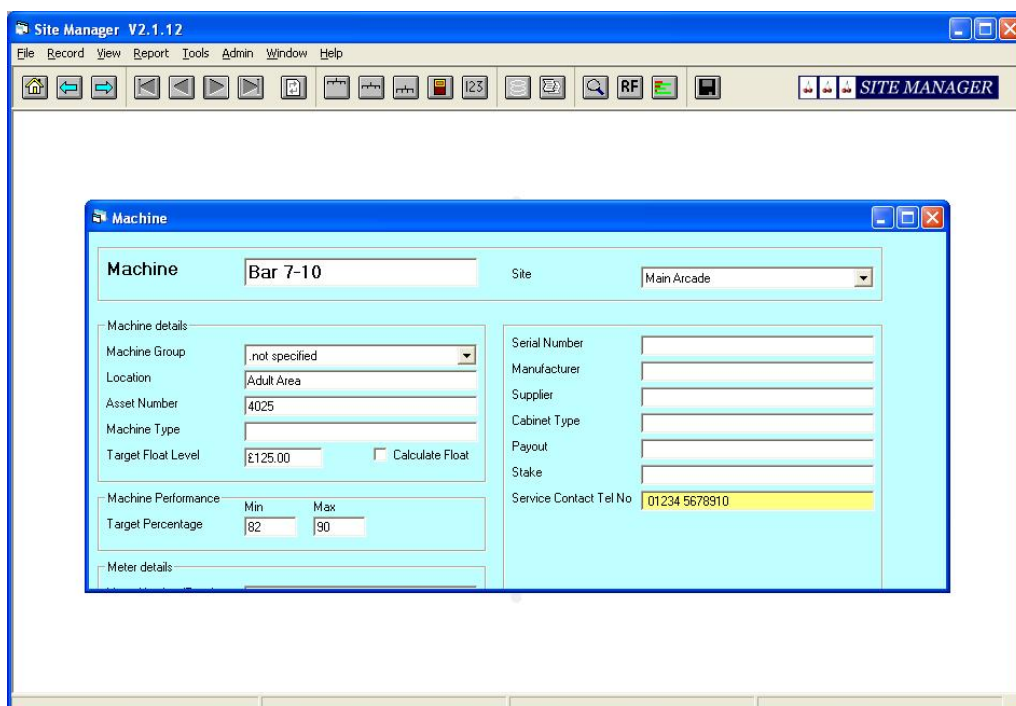
Admin-User Defined Fields from the menus.

To step between the Form types use the **Next** and **Previous** record buttons.

In this example we have set up extra fields on the Machine Form for extra information including a support telephone number:

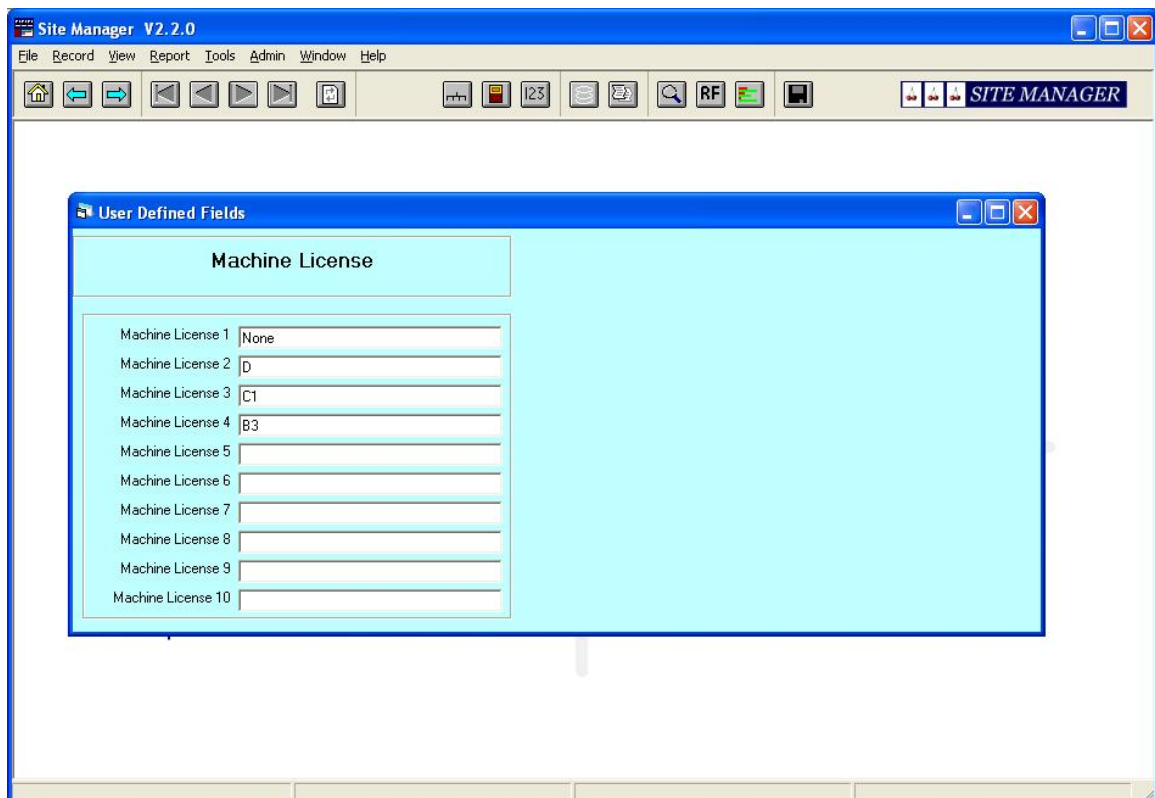
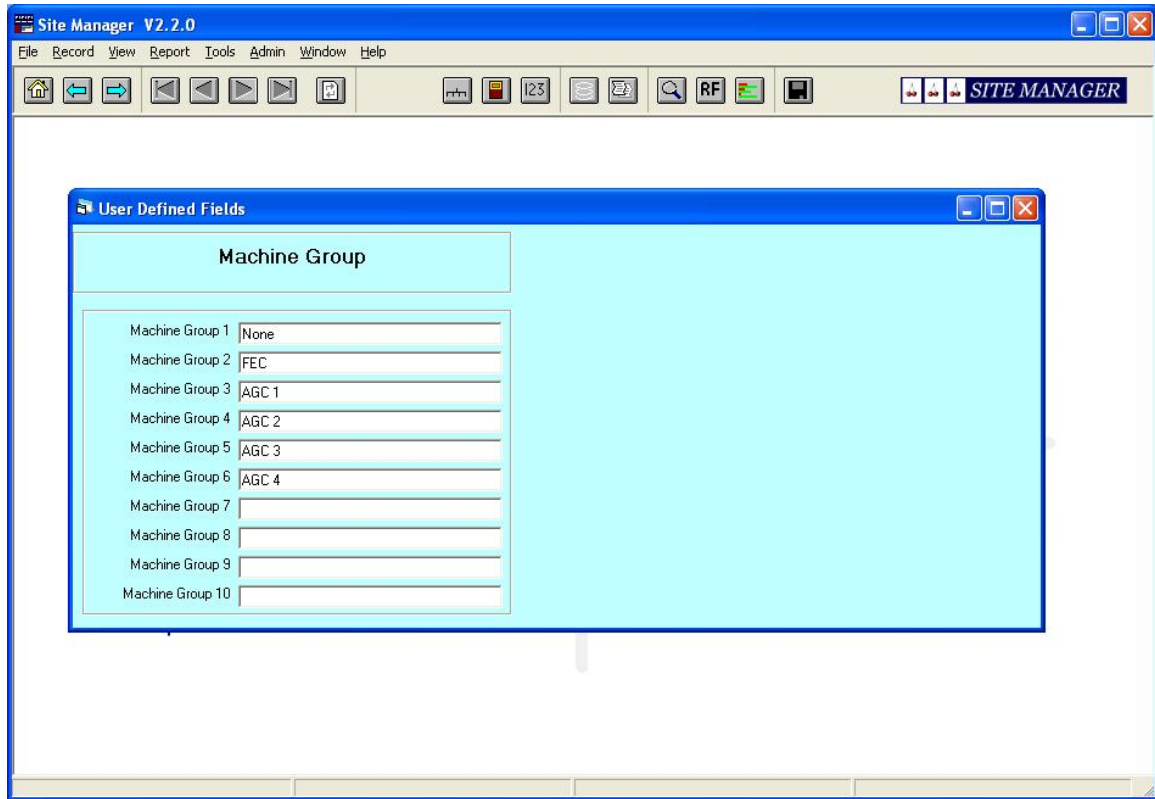


The Machine Form can now have additional information added:





The last two User Defined Fields relate to the Machine Group and License options that can be selected for each machine and then used to sort machines for reports:

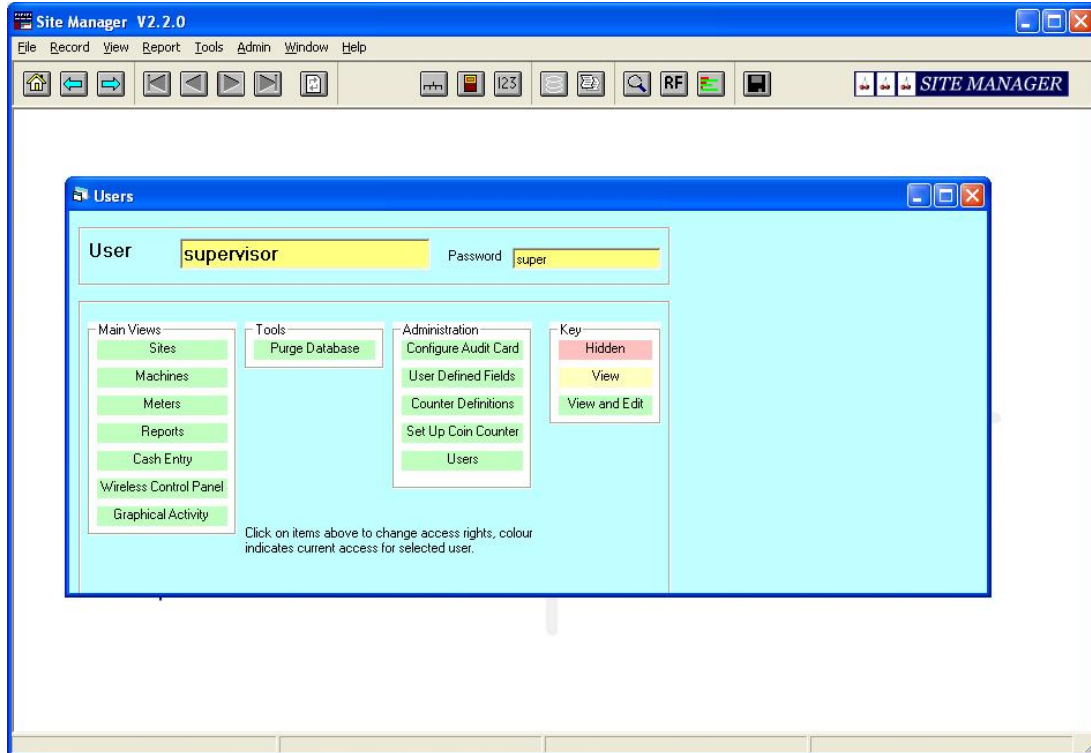




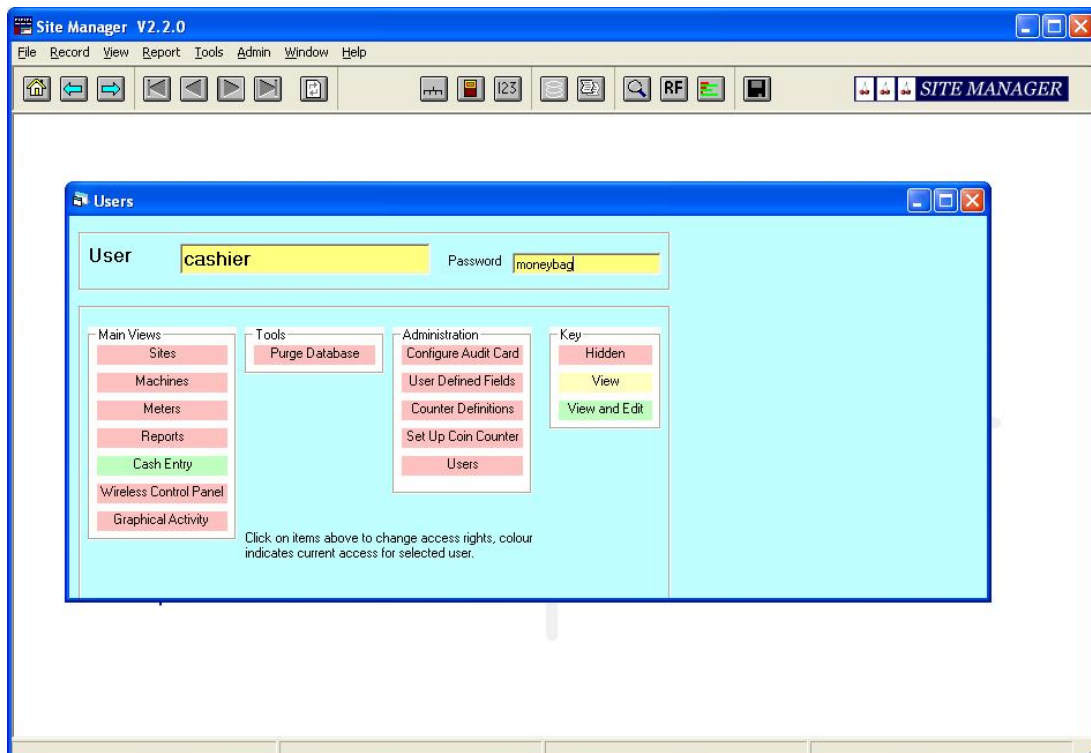
8.3 User Login Privileges

When a database is first set-up the user name is “Admin” and the password is “password”. To set up other users use the **Admin-Users** menu option.

It is important to set up one “supervisor” level user first with full rights – type in the supervisors name and their password (**MAXIMUM 8 characters**) , then save the record:



Then create other users as new records– below we have created a user with access only to the Cash Entry option, clicking on the features to enable/disable them for this user:





8.4 Miscellaneous Functions

The following are useful menu options:

- File – Print Form** Prints the current form – useful for hard copy records of the Machine, Meter and Site settings etc.

- File – Change Password** Allows the current user to change their password

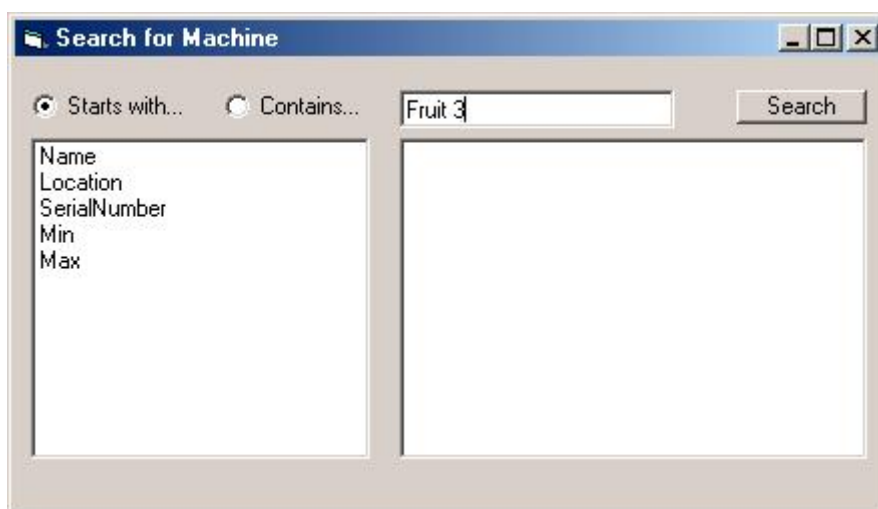
- File – Logout** Allows another user (possibly with different privileges) to log in.

- Tools – Backup Database** Create a dated backup copy of the database. (Does not replace good operating practice of taking a copy onto another machine or media)

- Tools – Purge Database** Removes old data from the database up to a specified date. Useful if the database becomes large and reports are slow to generate. It is recommended that the database is backed up first.

8.5 Searching For a Specific Site, Machine or Meter

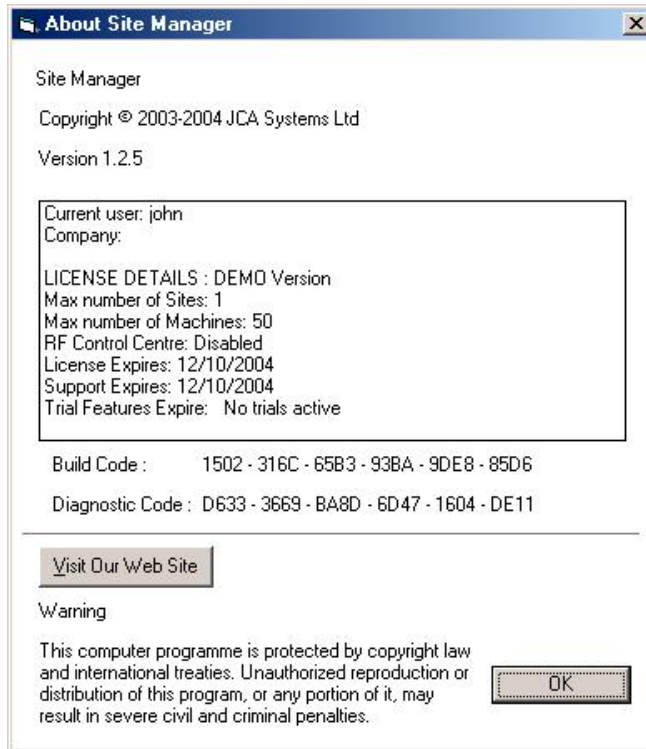
When in the appropriate section (Site, Machine or Meter) press the **Search** button to reveal the search options as below:



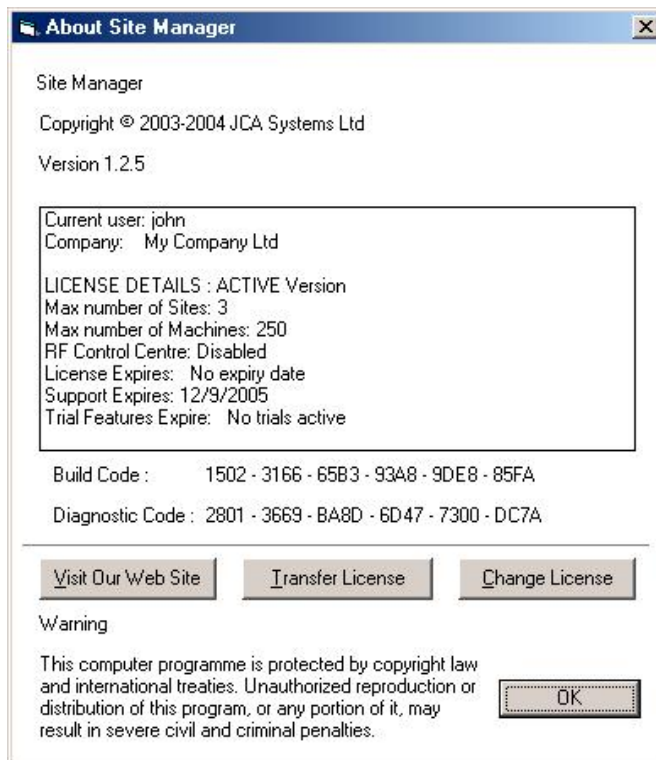


8.6 License Information, Transfers and Upgrades

From the menus, select **Help>About** to show the information screen. This is an example of a demo version:



This is an activated version:





To extend or change your license select the **Change License** button – this will show a form similar to the original license activation form :

Change License

User Code 1: 231410832

User Code 2: 1787869

Reg Key 1:

Reg Key 2:

Ok

Cancel

Pass these numbers to your Distributor or JCA Systems Ltd for a revised activation code for the new features:

Change License

User Code 1: 231410832

User Code 2: 1787869

Reg Key 1: 11671591

Reg Key 2:

Ok

Cancel

Once the “**Reg Key**” numbers have been entered, select **OK**. If the numbers are correct a success message is shown:

License

Activation Successful

OK

This example shows the activation of a 1 Site / 1000 machine license, which can be checked with the **Help-About** menu option:



License Transfers

The software is licensed for use on a single PC. It is possible to transfer the license from one PC to another as follows:

- (i) Install a “demo” copy of **Site Manager** on the new PC
- (ii) On the old PC select the **Transfer License** button on the Information Screen shown above.
- (iii) Follow the instructions to move the license to a Floppy Disc. This will de-activate the license on the old PC.
- (iv) Insert the Floppy Disc into the new PC, run the demo version of **Site Manager** on this PC and go to the **Help-About** menu option. Select the Transfer License button and follow the prompts. This will complete the license transfer to this PC.

Build Code and Diagnostic Code

These codes provide some information about your installation – you may be asked for these codes to aid product support.

Software Upgrades

From time to time JCA Systems Ltd will issue software upgrades. These will load and run successfully whilst the software is covered by support and maintenance.

WARNING – do not attempt to load a software upgrade if the support has expired. The software may revert to a time limited “demo” version or become de-activated.



Appendix 1 Counter Types and Uses

The EC3, EC4 and EC5 electronic counters are designed to electronically track cash for audit/security purposes within a machine. The readings can be electronically collected to eliminate the risk of transcription errors that occur when reading meters manually.

The electronic counters take meter readings in two distinct ways – when setting up a site it is important to select an appropriate mode of operation:

- (i) *Conventional* meter readings can be taken at any time – these are referred to as **Current** readings. Using these readings, compared with a set of previous readings gives calculated cash takings, payouts and new float levels etc.
- (ii) The ECx counters can also be set up to take **Snapshot** readings when the cashbox door is opened. These readings can give a more secure picture of the expected cashbox and float contents. The snapshot can be set to be taken on the first occurrence (one-shot mode) of the cashbox being opened, or the most recent occurrence. The *snapshot* values are held indefinitely until they are electronically read.

The two distinct readings can be used as a security cross-check of the information if necessary. A further check is provided by “resettable” counters provided alongside both the “*current*” and “*snapshot*” counters. The resettable counters can be cleared manually, or automatically when an electronic read of the meters is made.

The recommended mode of use is *Current* readings for normal operation and machine performance evaluation and “one-shot” *Snapshots* for cash reconciliation. This approach can be used very effectively with periodic (e.g. weekly) cash collection and reporting. It is imperative that a reading is taken every time the cashbox is opened – if the cashbox door switch does not work take a manual *Snapshot* reading instead.

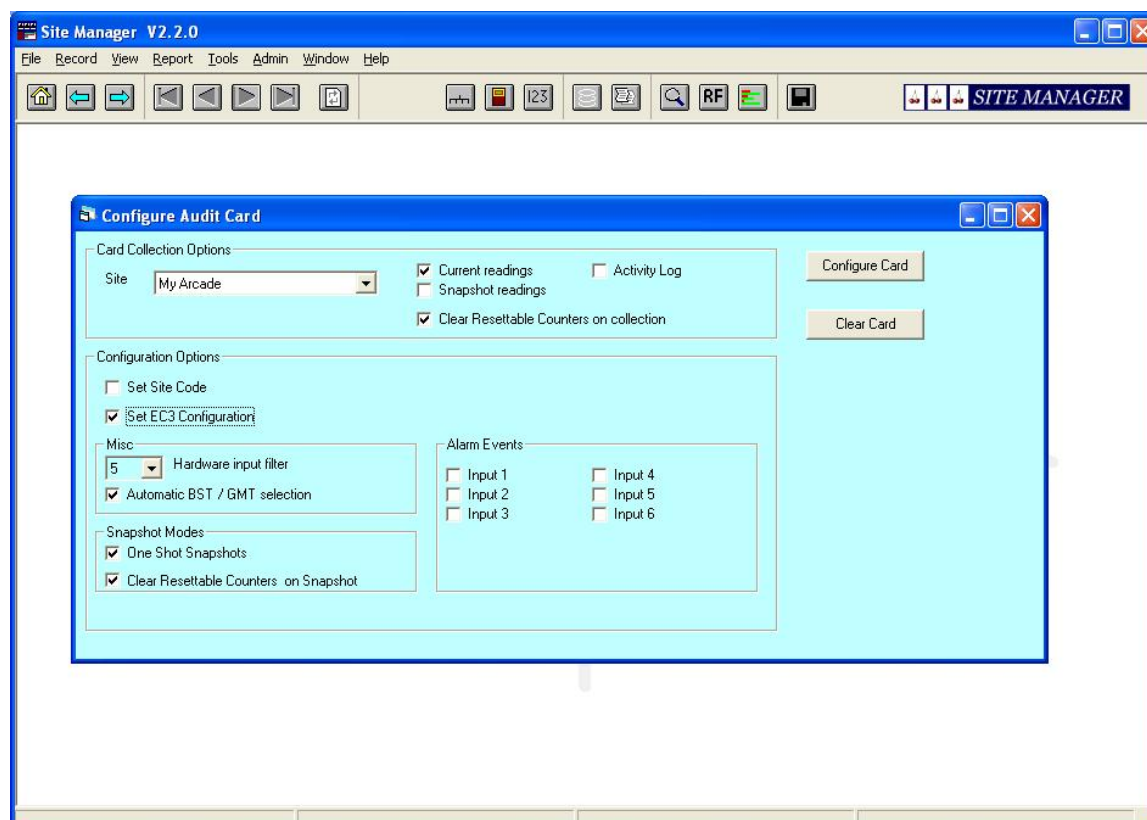
Activity tracking of Cash In and Out provides a supplementary way of viewing the cash performance of machines. This data should be taken as “indicative” only – the *Current* and *Snapshot* meter readings will always be the data baseline to work from.



Appendix 2 Configuring EC3 Counters using a Smart Card

In most cases the factory supplied configuration of an EC3 meter is OK, however the mode of operation can be changed. This is done very easily using a “Configuration” smart card which can be used to set up all the EC3 counters on a site to the same settings. Each EC3 counter has a unique, factory set, serial number that is used for all references to the counter and the machine into which it is installed.

To create a “Configuration” smart card select the “**Configure Audit Card**” option from the “**Admin**” pull-down menu. Ticking the “**Set EC3 configuration**” box reveals all the settings for the EC3 meters:



Ensure that the correct site is selected, as this will be the site code programmed into the EC3 counter. The other settings above are the recommended configuration. Tick the **Activity Log** box if you wish to collect date/time activity information from the machine as well as the Current Meter readings.

When ready press the “**Configure Card**” button and insert a card when prompted.

This card can now be used to set up all the EC3 counters on your site.

The various modes that can be selected are :

❑ **Snapshot Modes**

The EC3 unit takes an instantaneous “snapshot” copy of the counter values when the Cashbox door is opened. The “snapshot” data can be loaded as a separate record onto a smart card, as well as the current readings. These options determine how the snapshot is handled.

One Shot Snapshots

Check this box to operate on the first time the Cashbox Door is opened. If this mode is not selected the snapshot data reflects the readings on the most



recent occurrence of the door being opened. The snapshot data is retained until it is read onto a smart card.

Clear Resettable Counters on Snapshot

Check this box to automatically clear the counters when the snapshot is taken. In conjunction with the "one-shot" facility this provides a way of using the resettable counters to give total activity between meter readings.

 Hardware Meter Filter

This setting affects the noise filtering characteristics of the hardware meter line. If spurious counts are being detected increase this value but it will slow the response of the input.

 H/W Snapshot

This pull-down selects which (if any) hardware input is to cause a "snapshot" to be taken.

 Clear Resettable Counters

Check this box if the resettable counters are to be cleared automatically every time the card is inserted into the EC3 unit.

 Auto GMT/BST changes

If checked, the EC3 unit will adjust its clock forward 1 hour / back 1 hour on the last Sunday in March/October respectively.

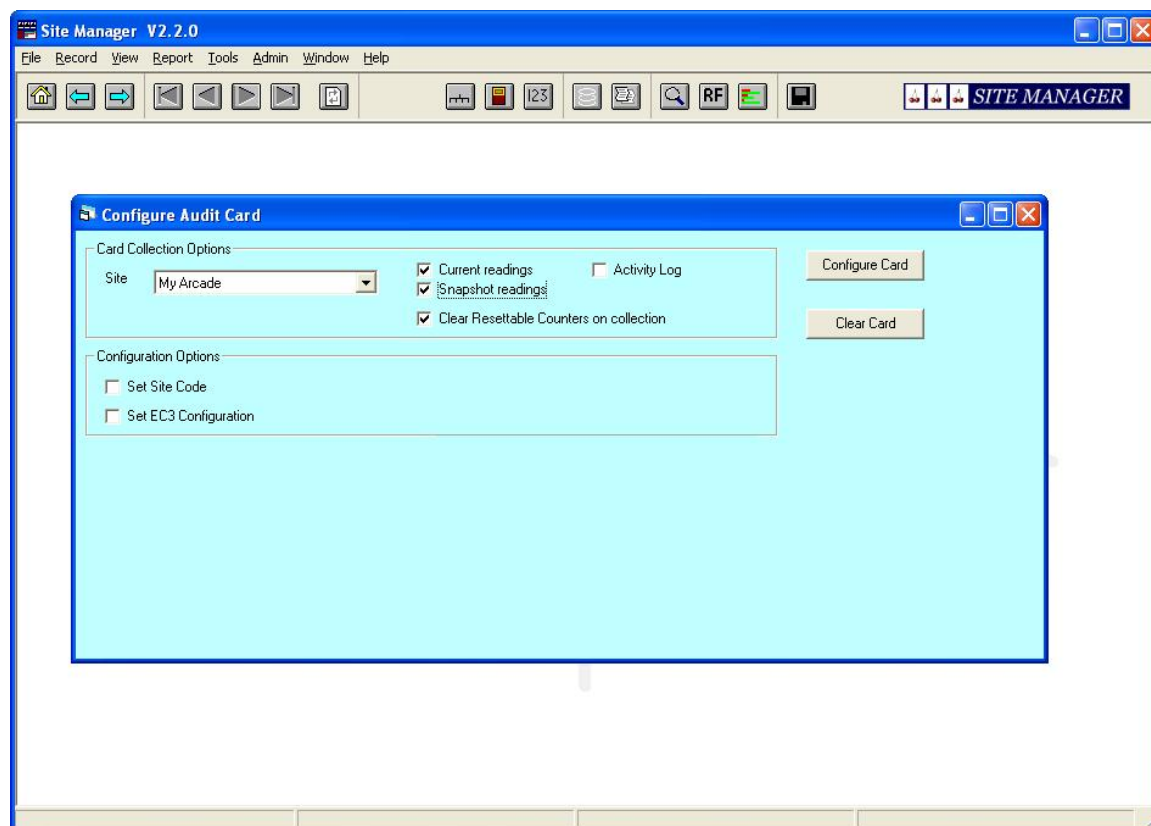
 Alarm Events

If checked, transitions on the corresponding inputs will be logged as "Hardware Alarms" in the activity log. This permits spare hardware counter inputs to be connected to door switches and other security sensors as required.



Appendix 3 Creating a data collection smart card

To create a “Data Collection” smart card select the “**Configure Audit Card**” option from the “**Admin**” pull-down menu.



Ensure that the correct site is selected, as the card is only able to read counters on this site. The other settings above are the recommended configuration. Tick the **Activity Log** box if you wish to collect date/time activity information from the machine as well as the Current/Snapshot Meter readings.

When ready press the “**Configure Card**” button and insert a card when prompted.

This card can now be used to collect data from all the EC3 counters on your site.

**Appendix 4 Report Fields**

Net Take	Total Cash In less Total Cash Out, including value of tokens.
Coin, Note, Token Variance	Counted amounts vs. expected amounts
Total Variance	Overall counted amounts vs. expected amounts (coins, notes and tokens)
Float Variance	Reported Float amount vs. calculated amount.
7 Day Average	Calculated for key fields
Total Cash In	Total value of all coins and notes IN.
Total Cash Out	Total value of all coins and notes paid OUT.
Total Notes In	Total value of all Notes types (£5 values and above) IN.
Total Cash to Float	Total value of all coins IN routed to Hopper(s).
Total Cash Refill	Total value of all coins used to refill Hopper(s).
Total Cash to Cashbox	Calculated as (Cash In – Cash to Float).
Reported Cash Float	Float as communicated from the machine (BACTA machines only)
Calculated Cash Float	calculated as: Last Cash Float + Cash to Float + Cash Refill – Cash Out
Cashbox Door Open	Count of times opened
Service Door Open	Count of times opened
VTP	Total count of 10p Plays
Payout Percentage	Calculated percentage (Cash Out + Token Out) / (Cash In + Token In)
Operating Hours	The number of hours the machine has been powered up.

Token values are calculated similarly.

**Appendix 5 END-USER LICENSE AGREEMENT****END-USER LICENSE AGREEMENT FOR JCA SYSTEMS LTD'S "SITE MANAGER" SOFTWARE**

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Appendix 6 Configuration File

The operation of Site Manager is configured via the file:

C:\Program Files\Site Manager\DCM.ini

Most of the fields should be left at their default values, however the highlighted fields may be changed by an “advanced” user. Edit DCM.ini using NOTEPAD once you have exited the Site Manager programme itself:

DCM.ini :

```
[SetUp]
DatabasePath=C:\Program Files\Site Manager\
DataBaseName=C:\Program Files\Site Manager\Demo1.MDB
BackColor=16777152
UserName=admin
TenPunits=0
CoinCounter=0
Excel_Pretty=True
RFon=True
RFregularCode=86338
Exmode=False

ReconcileType=1           Change to a value of 0 to reconcile on Current readings
ReconcileFirst=1         Value of 0 to reconcile on last reading on the day
Reconcile_Warning=250    Cash Reconciliation Yellow warning level - pence
Reconcile_Alert=500      Cash Reconciliation Red warning level - pence

Float_Warning=25         Float Yellow warning level - £
Float_Alert=50           Float Red warning level - £

Token_Enable=0           Change to a value of 1 to include Tokens in the reports

Router1=192.168.0.48      Installers only – set the Wireless Router network address
//Router2=192.168.0.49
//Router3=192.168.0.50
//Router4=192.168.0.51
//Router5=192.168.0.52
RFreadmode=True
RFfrequency=1
RFtime=9
RFdate=1
RFday=1
RFmessagegap=750
RFmaxbackoff=150
RFbackoffrate=25
RFlogoptions=2
RFregularrefresh=187
AggregationCItime=10
AggregationCotime=5
EC4ackTimeout=25
EC5ackTimeout=45
PowerAlarmsON=False
RouterResets=False
SkipLogin=False
PrintColour=True         Change to False for Black & White report printouts
RFtimer=100
RFtcpblocks=5
Autobackup=1             0 = no auto backups, 1 backup weekly, 2 = backup and purge
Backupday=2              1 = Sunday, 2 = Monday ... 7 = Saturday
Purgelimit=12           Number of months of data to keep in database when purging
Displaytotals=True       True to display Site Totals on Graphical Window. False to hide
Activitypurge=True       True to purge activity history from database, false to keep
```