

IPS2000 Mifare IC Card Parking System

Cashier Station (POS) - ICST209

User's Manual

Version 2.0.1



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Revision History:

Manual Version	Released Date	Software Version	Revision Notes
1.0.0	Nov,11,2009	5.0.5	First release of User's Manual for ICST209
2.0.0	Oct. 6, 2010	5.0.6	UI wording modification
2.0.1	Oct. 13, 2011		Signal lights error modification on section 1-3-1

1. Introduction:

1-1. Functional description:

ICST209 Cashier Station is a PC based POS computer in IPS2000 parking system. It supports Mifare[®] IC card as parking tickets and provides a manned payment service for a parking facility. In case of network disconnection, ICST209 can still be operated under stand-alone mode; off-line data will be saved and then sent back to Central Management Server after network reconnected.

ICST209 Cashier Station reads the data from a ticket of Mifare[®] IC card received; calculates and displays the required amount of parking fee on the fee display. Once a payment is made, payment completed data is written back into the Mifare[®] IC of the card ticket for exit validation later. A printed receipt is available upon request.

1-2. Hardware introduction:



Fig. 1-1

1. Fee display: To display the required parking fee amount to customers for payment.
2. Receipt printer: A thermal printer for receipt printing. Refer to Appendix 1 for receipt paper roll installation details.
3. Card (ticket) reader: A Mifare IC card reader for parking card (ticket) data read/write.
4. Cash drawer: A cash drawer for a secure cash control and storage. It can only be opened with a key or from POS program.
5. Personal computer set: A set of personal computer includes a keyboard and a monitor to link with other station devices and for the POS software operation.

1-3. Cashier Station (POS) software introduction:

1-3-1. Main function menu side bar:

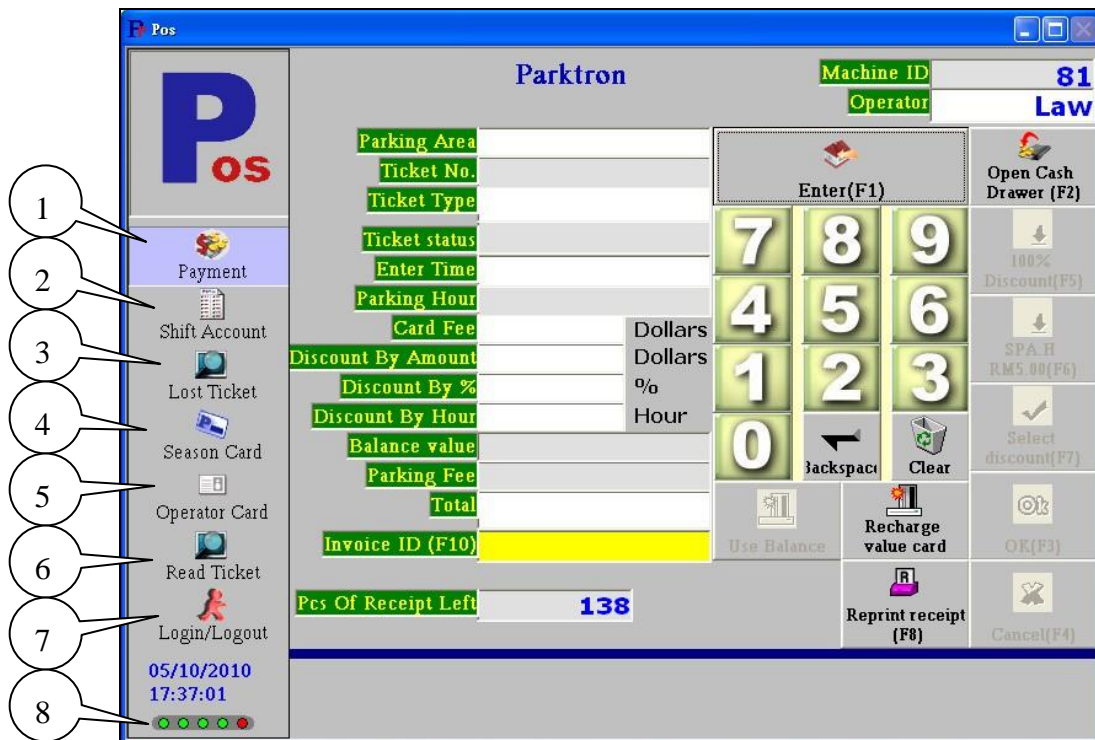


Fig. 1-2

1. **[Payment]**: The function page is for payment related operations. (Details in section 4)
2. **[Shift Account]**: For reviewing the revenue details of current and previous shift, and handling refund and miscellaneous income operations. (Details in section 5)
3. **[Lost Ticket]**: For searching and issuing substitute tickets for lost tickets or problem (unreadable) tickets. (Details in section 6)
4. **[Season Card]**: For season card related operations. (Details in section 7)
5. **[Operator Card]**: For operator card related operations. (Details in section 8)
6. **[Read Ticket]**: For reading and displaying data encoded in a ticket (card). (Details in section 9)
7. **[Login/Logout]**: For operator login and logout, terminate a shift and print a shift report. (Details in section 3)
8. **Equipment status lights**: Green means under normal operation and red means disconnected or not in service. From left to right the status lights represent:
 - Card reader.
 - Receipt printer.
 - Fee display.
 - Central management server station.
 - Spare light- currently not in use.

1-3-2. Payment page introduction:

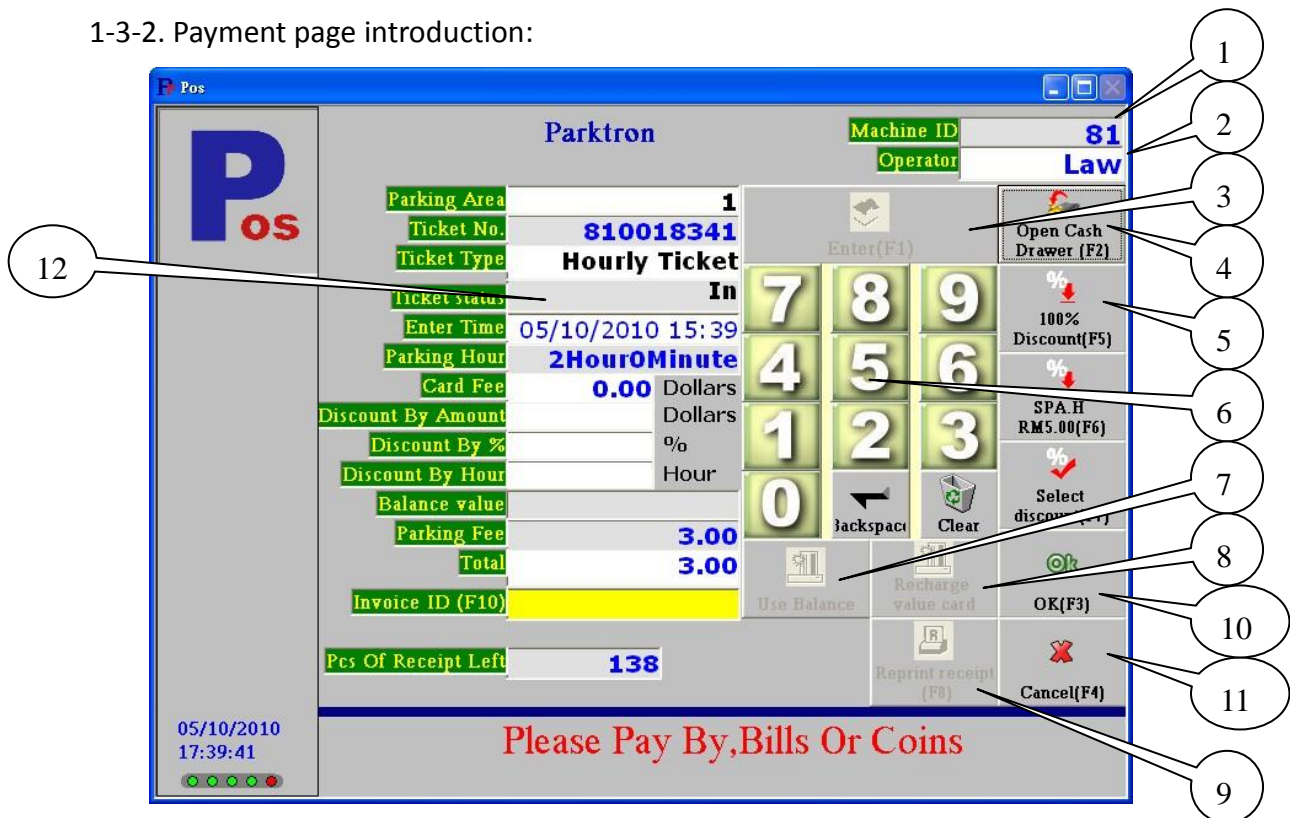


Fig. 1-3

1. The ID number of the Cashier Station.
2. The operator name..
3. **[Enter]**: Push by hand on a touch screen (optional) or click with mouse on the screen for start a payment process; enable the card reader to wait for reading a card. The F1 key on the keyboard provides the same functionality.
4. **[Open Cash Drawer]**: Push to open cash drawer. (Normally enable the receipt printer the same time)
5. **[Discount]**: Push to enter discount selecting page for discount applying.(Details in section 4-1-2)
6. Number keypad: Push by hand on a touch screen (optional) or click with mouse on the screen for digit inputs.
[Backspace]: Push to delete last digit.
[Clear]: Push to clear all input digit(s).
7. **[Use balance]**: For value card use only, to deduct stored value for a payment. (Details in section 4-3-1)
8. **[Recharge value card]**: For value card recharge operation. (Details in section 4-2-1)
9. **[Reprint receipt]**: For receipt reprint operation.(Details in section 4-4-1)
10. **[OK]**: Push after confirming a payment received and write payment competed information to the parking ticket (card). Cashbox will be automatically open for collecting payment cash and providing change if needed.
11. **[Cancel]**: To abandon a payment transaction and clean up all data on the screen.

12. Detail data read from a ticket for payment:

- Parking Area: The system provides maximum 9 areas to apply individual different parking rate.
- Ticket No.: Serial number of the read parking ticket (card).
- Ticket Type: Types of ticket (card), for example: "Hourly Ticket", "Season Card" or "Value Card".
- Ticket Status: Current status of ticket, for example: "In" or "Paid".
- Enter Time: Time of entry.
- Parking Hour: Duration of parking time.
- Card Fee: For season card issuing only. The cost is pre-configured in database.
- Discount by Amount: Only shown if any discount by amount applied.
- Discount by %: Only shown if any discount by percentage applied.
- Discount by Hour: Only shown if any discount by time applied.
- Balance Value: For value card only. The remained balance value in a value card.
- Parking Fee: Original parking fee due.
- Total: Parking fee due after discount if any.
- Invoice ID: Input invoice ID if necessary.
- Pcs of receipt left: Number of empty receipt paper left for printing.

2. Power on / Shut down:

2.1. Power on procedure:

2.1.1. Turn on the main power source for all devices of the Cashier Station.

2.1.2. Make sure card reader is powered.

2.1.3. Make sure fee display is switched on (Located at No. 1 in Fig. 2-1) and display normally.



Fig. 2-1

2.1.4. Make sure receipt printer is switched on (Located at No. 1 in Fig. 2-2) with power status light on (Located at No. 2 in Fig. 2-1).

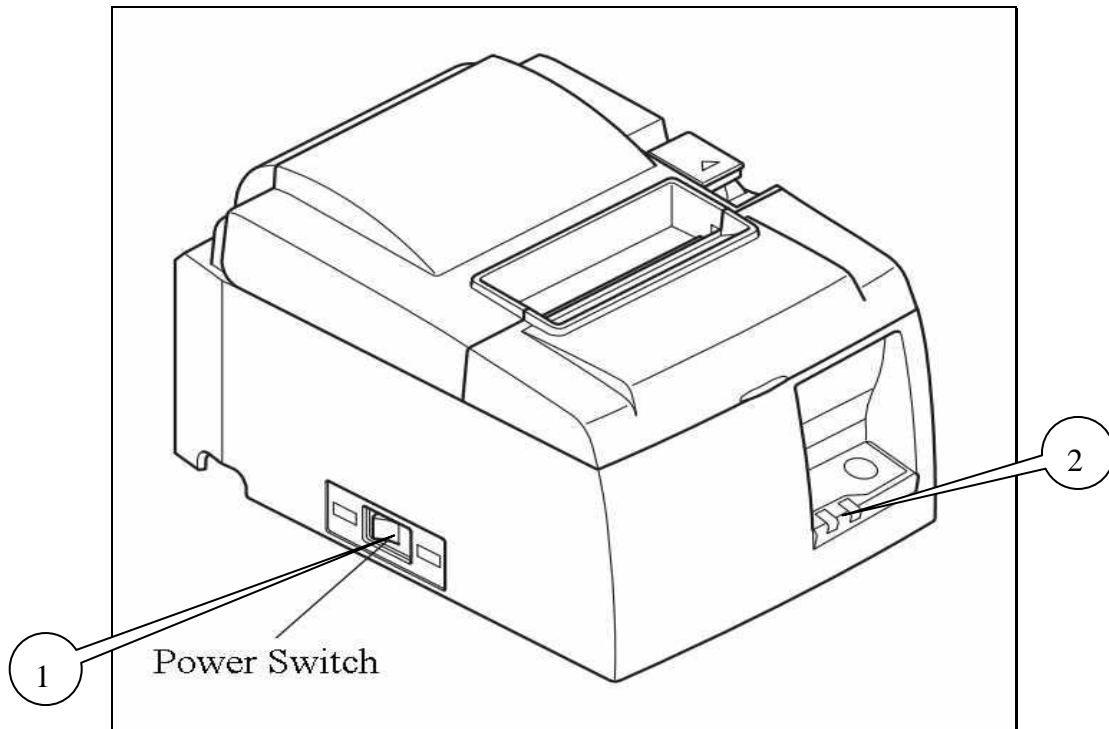


Fig. 2-2

2.1.5. Turn on the personal computer power switch, and wait till operating system boots up and then the POS program should be automatically executed.

2.2. Shut down procedure:

2.2.1. Log out from POS program.

2.2.2. Log out from computer operating system, and power off personal computer.

2.2.3. Turn off the main power source for all devices of the Cashier Station.

3. Login / Logout:

The Login window is shown after executing the “POS.exe” program. Login with a valid operator ID number or use an operator card, and password. (First time default login ID = admin; and password = 123456)

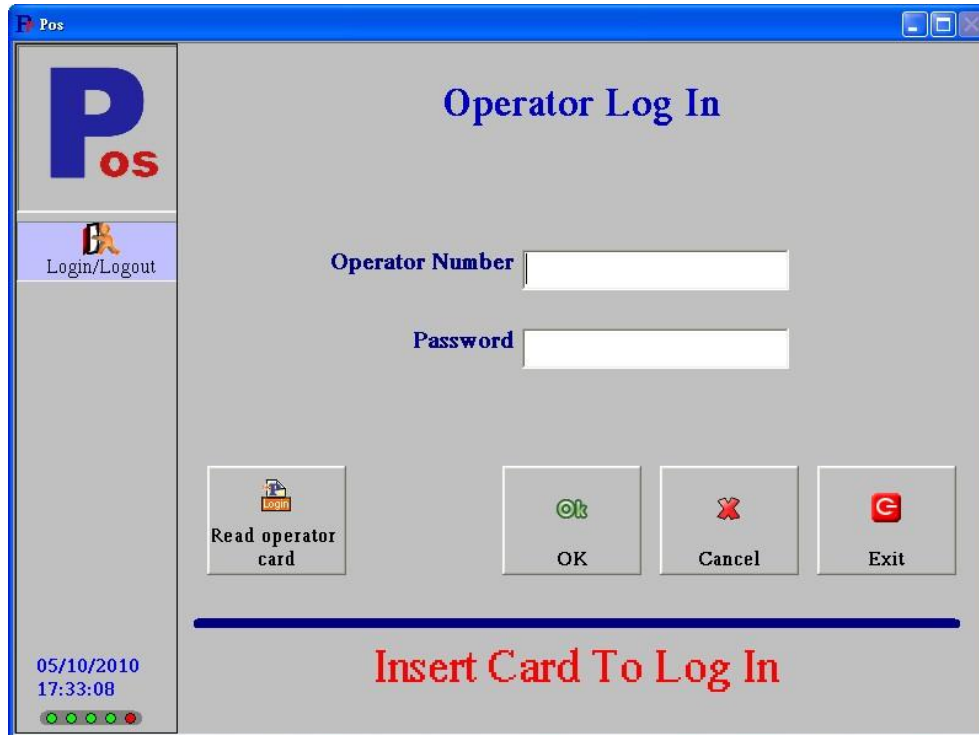


Fig. 3-1

Note: If previous operator log out without conducting a shift report printing, the current login with a different operator account will result the printing of the previous shift report automatically. The same operator account re-login is treated as continuing a shift.

3-1. Login

3-1-1. Login with manual inputs:

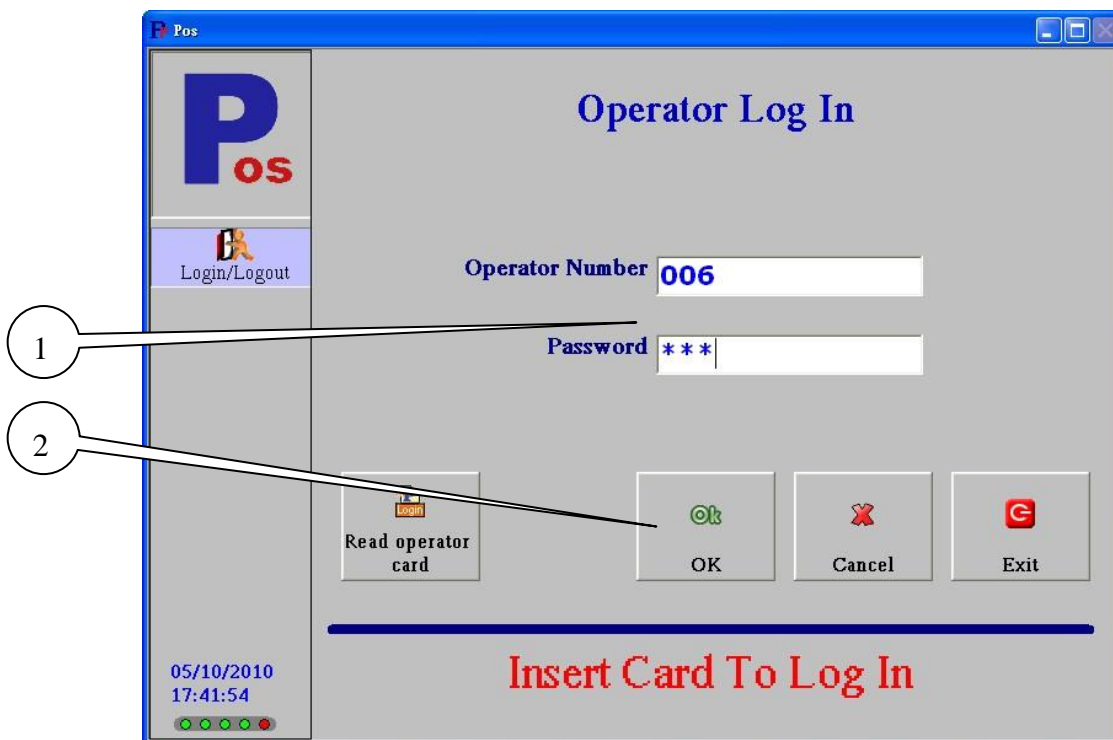


Fig. 3-2

1. Type in a valid operator number and password in the input boxes indicated.
2. Push **[OK]** to login.

3-1-2. Login with an operator card:

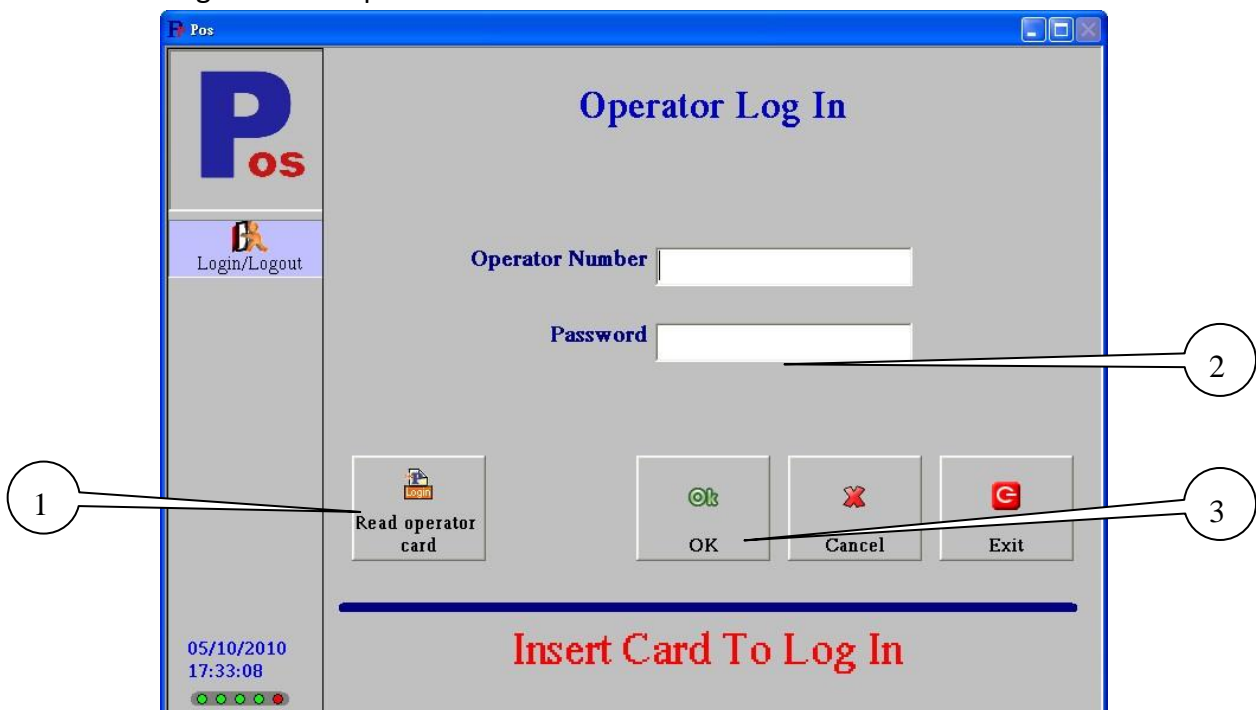


Fig. 3-3

1. Push **[Read operator card]** and put a valid operator card on to the card reader for data reading. After a successful reading of the card data, the operator number should be automatically shown on the input box.
2. Type password in the password input box.
3. Push **[OK]** to login.

3-2. Logout:

Push **[Login/Logout]** at the bottom of the main function menu side bar to enter login/logout function page.

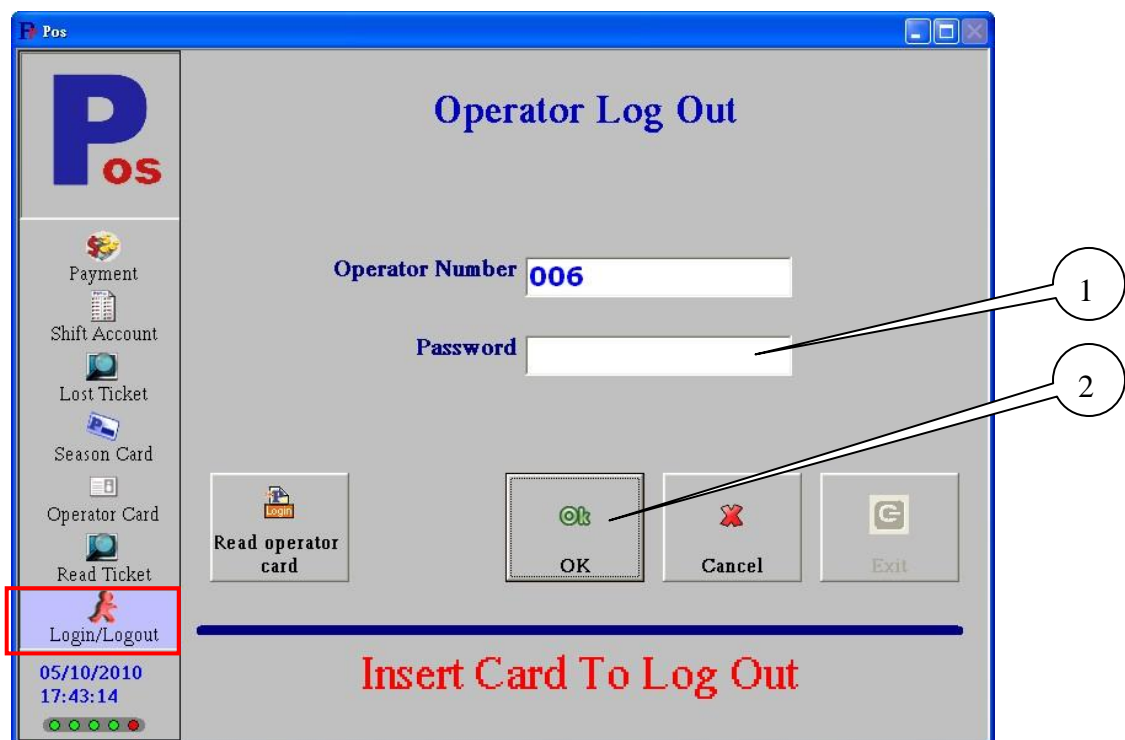


Fig. 3-4

1. Type in the correct password of the login operator number shown in the page.
Note: Normally the number of login operator is shown in the operator number box, however, a failed logout (incorrect password) might result a erasing of the number. Manually type in or use button **[Read operator card]** to read the operator card of current shift for retrieving the operator number back.
2. Push **[OK]** to logout.

3-3. Terminate a shift:

After logout procedure above, a shift report print window will pop up for termination of current operator shift.

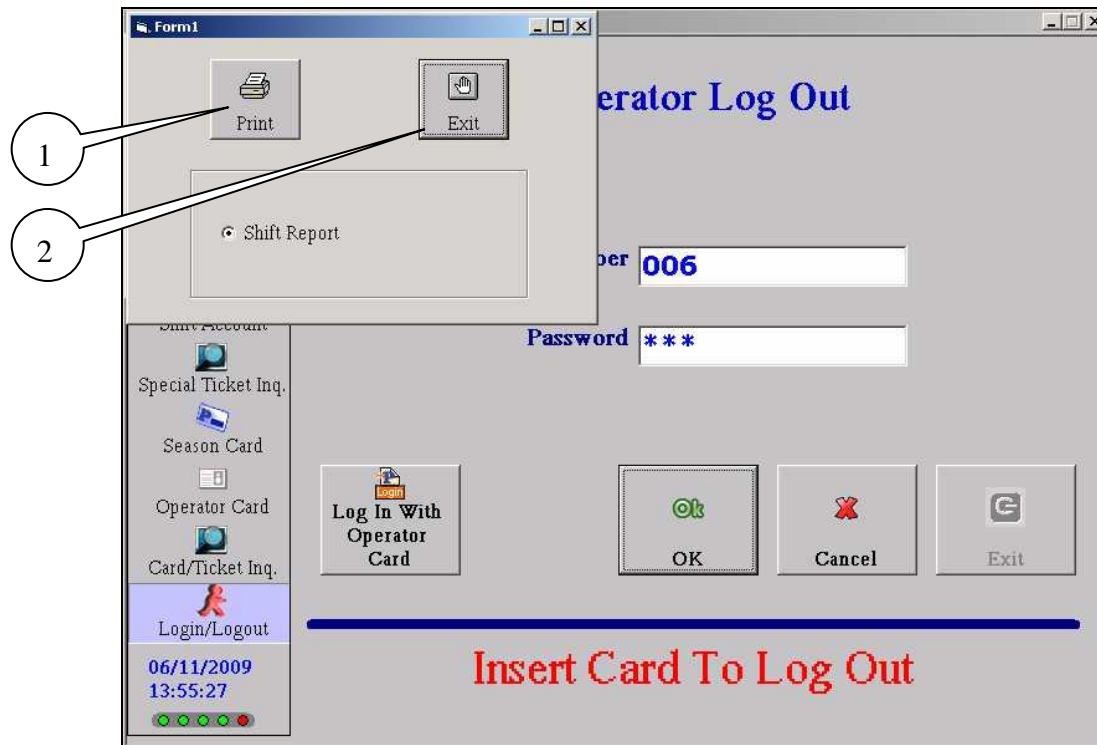


Fig. 3-5

1. Push **[Print]** to terminate the current operator shift, and a detailed revenue report of current shift will be printed out.
2. Push **[Exit]** to logout POS program and temporarily stop providing service. The current shift is not terminated yet until a shift report is printed when log back in with a different operator account.

3-4. Exit POS program:

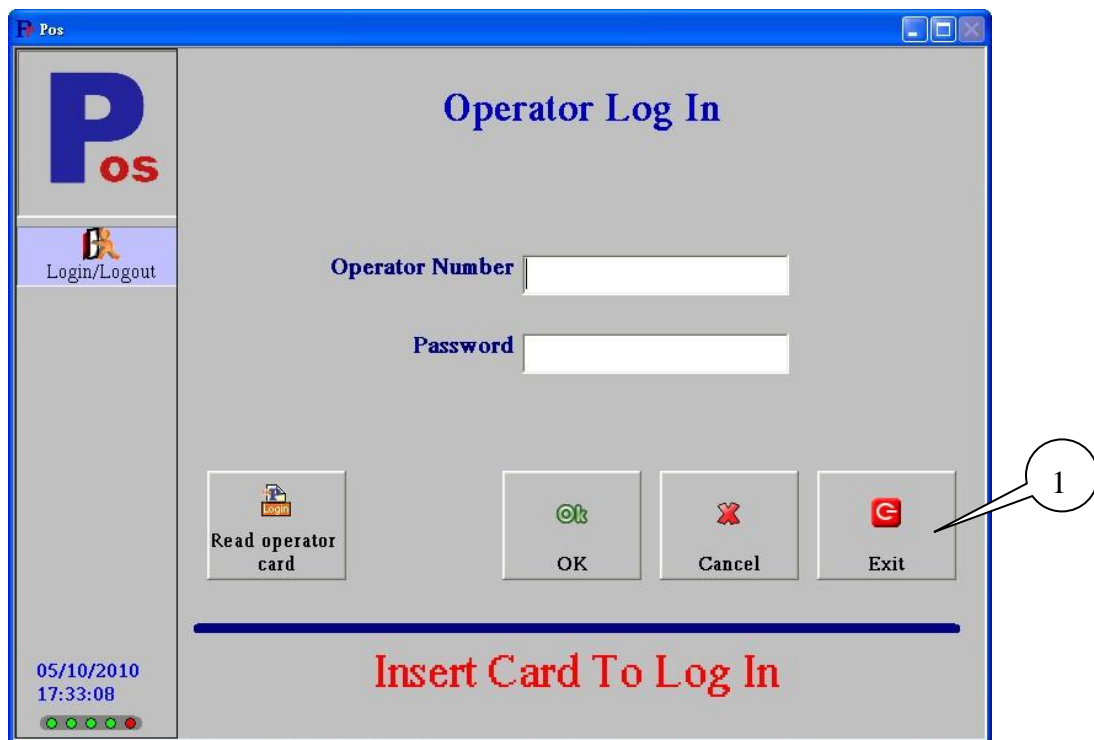


Fig. 3-6

After conducting a logout, push **[Exit]** button at the login/logout page to terminate the POS program.

4. Payment function page:

4-1. Hourly parking payment operation:

Apply to normal hourly tickets (cards) or season card parking out of configured time zone.

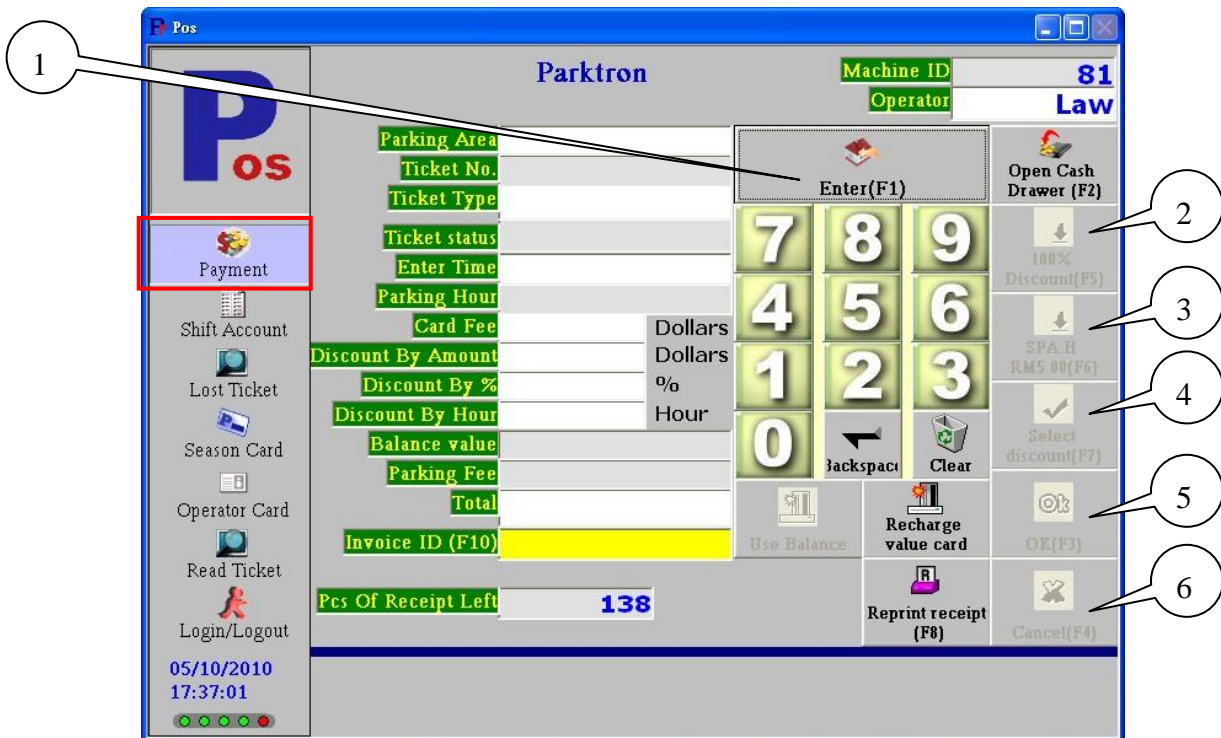


Fig. 4-1

4-1-1. Start a payment:

Push **[Enter]** button (No1 in Fig. 4-1.) to enter payment process. Place a ticket (card) on to card reader to read and show all ticket data on the screen.

4-1-2. Select a discount(s):

Push either one of No. 2, 3 or 4 discount button in Fig. 4-1 to enter the discount selection page below (Fig. 4-2) for selecting available discount type(s) to apply to the ticket.

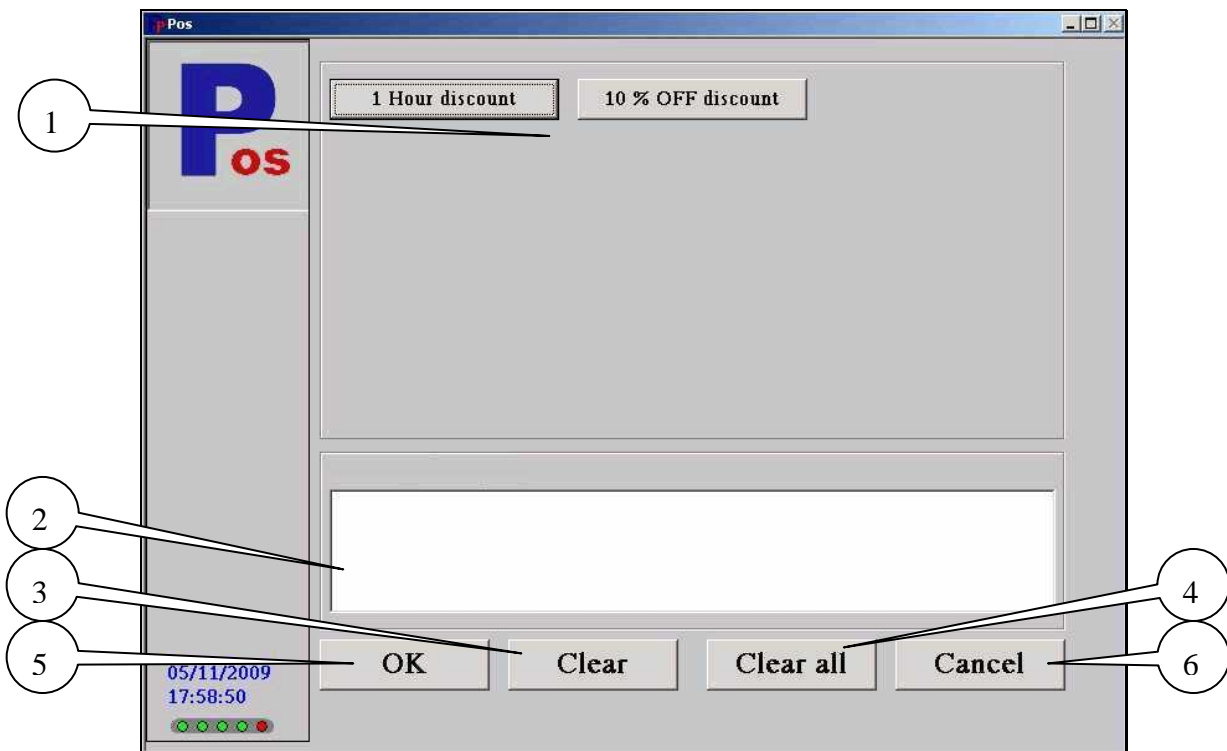


Fig. 4-2

1. Discount buttons: All available discount type buttons will be listed for selection. Push to have selected discount type to be listed in the discount box below.
2. Discount box: Current discount type(s) applied to the ticket.
3. **[Clear]**: To delete current discount item(s). Highlight discount item in the current discount box and push to clear one by one.
4. **[Clear all]**: To delete all current discount item(s) from the ticket at once.
5. **[OK]**: Push to confirm all discount type item(s) in the discount box to apply to the ticket and go back to payment page.
6. **[Cancel]**: Push to cancel modification and back to earlier discount setting, and go back to payment page.

4-1-3. Confirm or cancel payment operation:

1. Push **[OK]** button (No. 5 in Fig. 4-1) to confirm and conduct the payment proceed.
2. Push **[Cancel]** button (No. 6 in Fig. 4-1) to cancel a payment operation.

4-1-4. Receipt printing:

After a confirmation of a payment operation, a confirmation window (Fig. 4-3) for receipt printing will be pop up for a confirmation. Push **[Yes]** to print a receipt and **[No]** to exit the payment operation without a receipt printing.



Fig.4-3

4-2. Value card recharge operation:

4-2-1. Value card recharge page:

Push **[Recharge value card]** button (Fig.4-4) in payment page to enter value card recharging page.

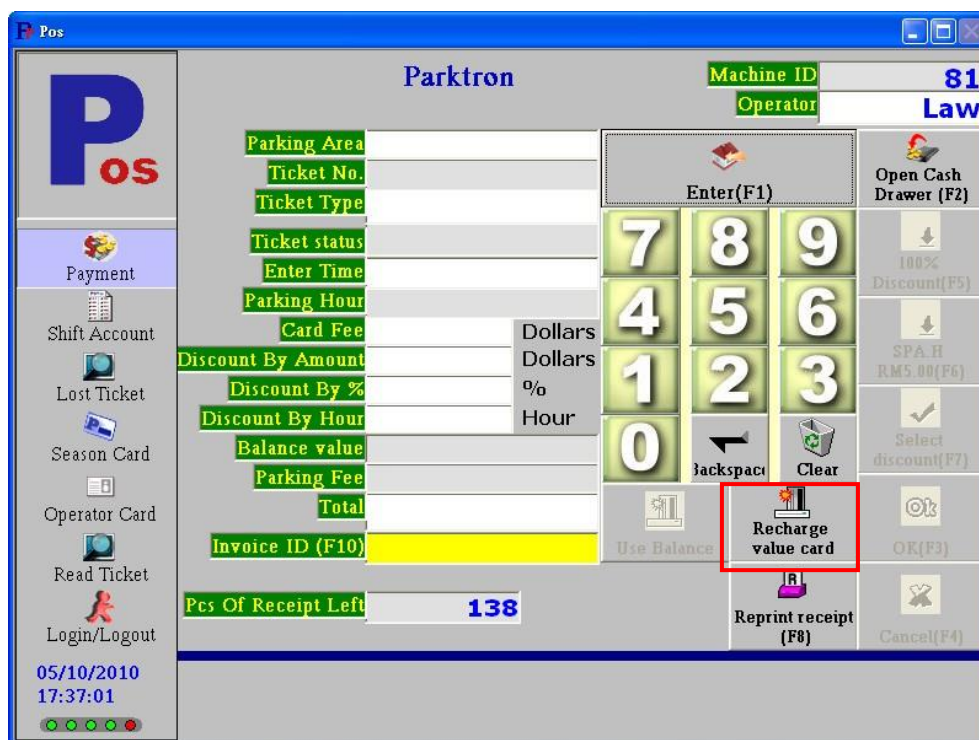


Fig. 4-4

4-2-2. Obtain value card data:

Put value card on the card reader and push **[Read card data]** button (Fig. 4-5).

Fig. 4-5

4-2-3. Input recharge value amount:

Fig. 4-6

1. Use pull down menu to select or manually type in the money amount to recharge.

2. Specify the new expiration date for value card after recharge.
 3. Click **[Store value add]** to confirm recharge operation.
- 4-2-4. Confirm recharge for payment:
Push **[Recharge]** button to confirm recharging condition and go back to payment page for conducting recharge payment.

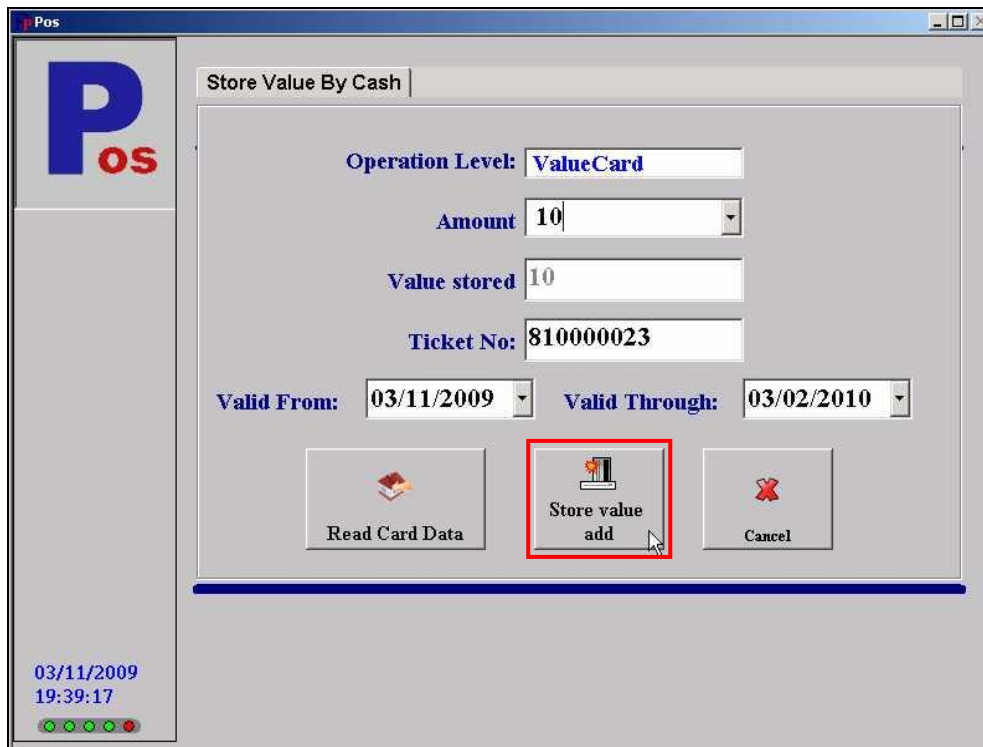


Fig. 4-7

- 4-2-5. Payment of recharging:

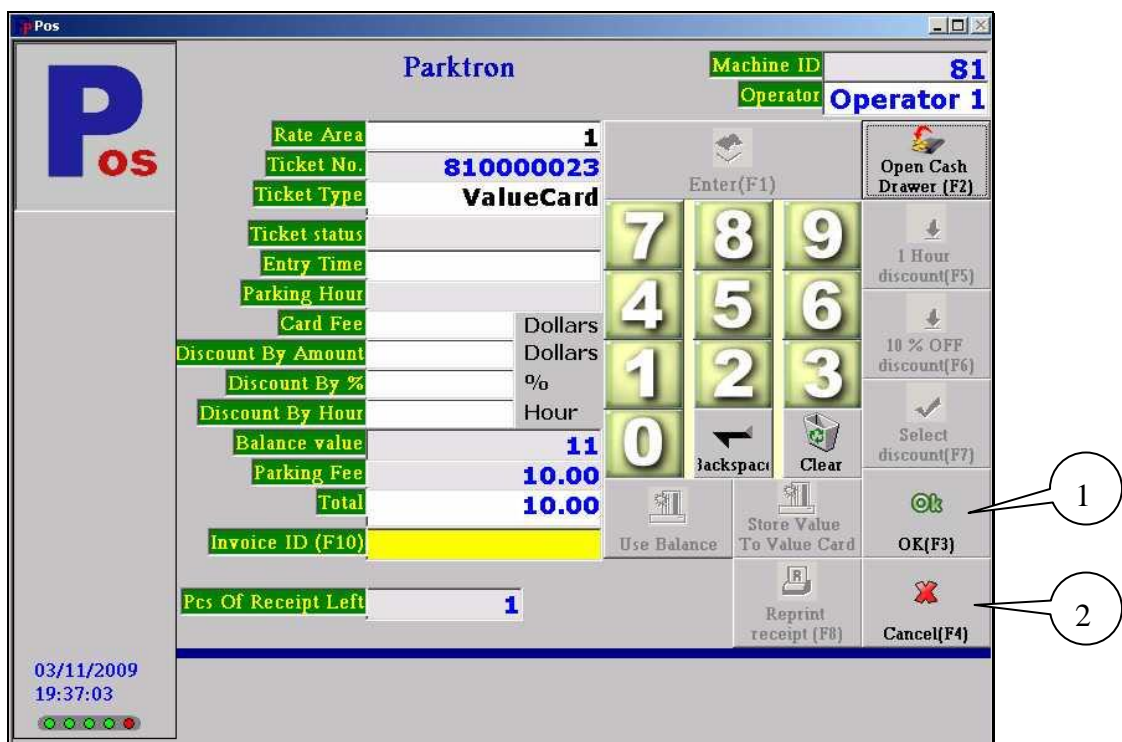


Fig. 4-8

1. Push **[OK]** button to confirm a payment of a recharging to the value card.
 2. Push **[Cancel]** button to cancel and exit the recharging operation.
- 4-3. Conduct payment with value card:
Use value card to conduct an hourly parking payment by value deducted automatically from an Exit Terminal or manually from a Cashier Station.

4-3-1. Value card payment on a Cashier Station:

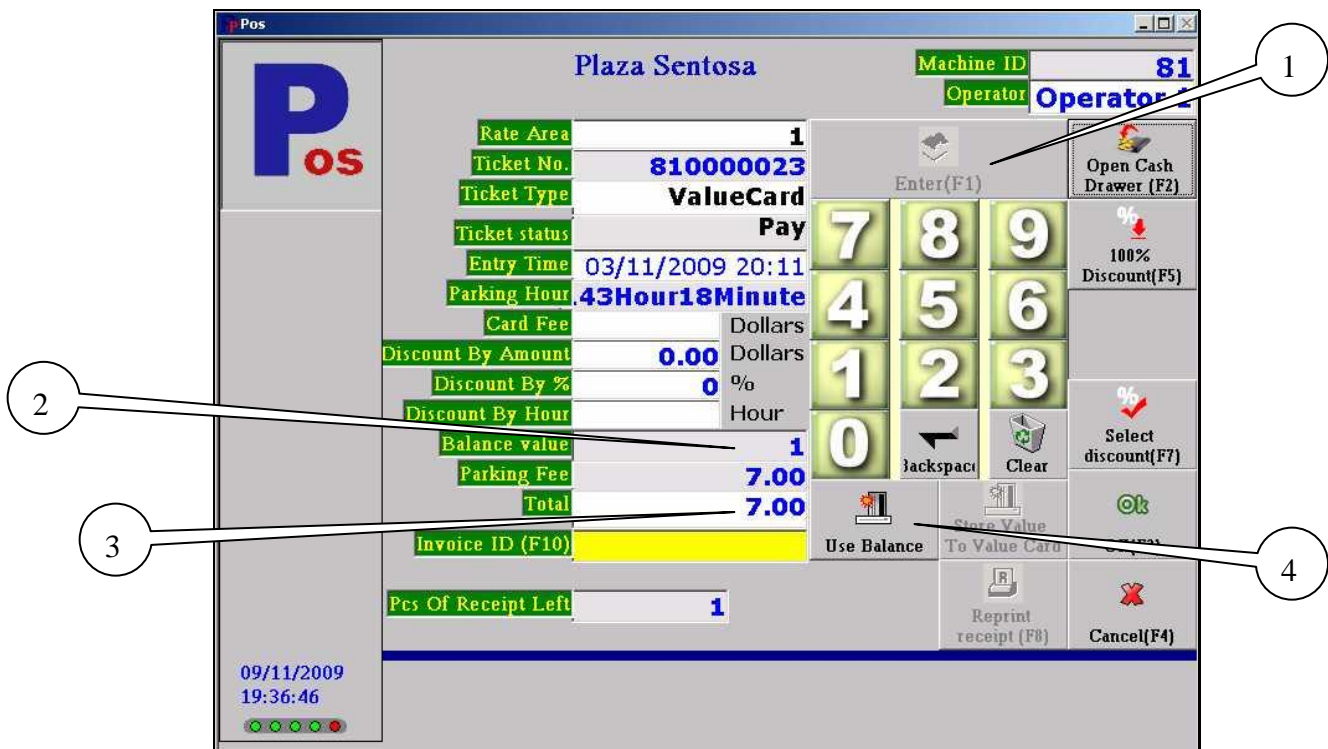


Fig. 4-9

1. Push **[Enter]** button to enter payment process. Put a value card on the card reader for data reading and displaying.
2. Balance value left in the value card.
3. Parking due in total after any discount applying.
4. Push **[Use balance]** button to pay the parking due with value balance.

4-3-2. Input value for deduction:

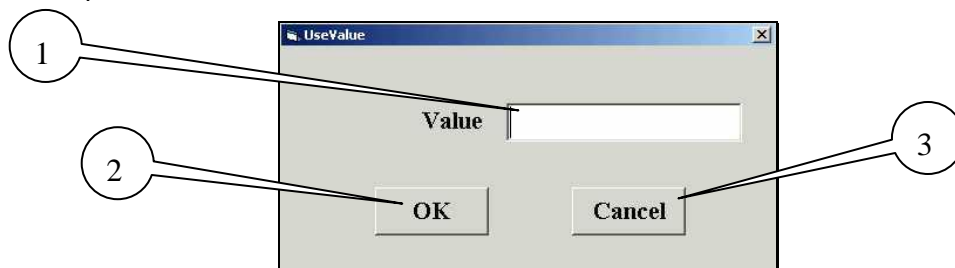


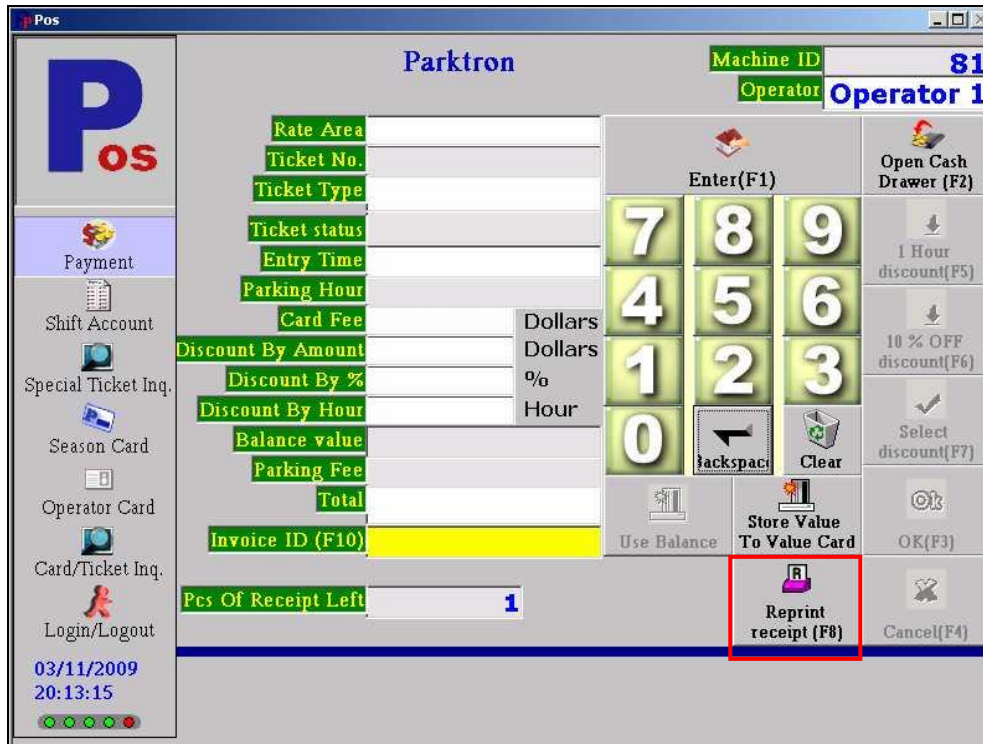
Fig. 4-10

1. Type in the value amount for deduction in the text box.
2. Push **[OK]** button to confirm the deduction of the input value.
3. Push **[Cancel]** button to cancel and leave value deduction operation and back to payment page.

4-4. Reprint receipt:

4-4-1. Receipt reprint page:

Push **[Reprint receive]** button to enter receipt reprint page (Fig. 4-12).



The screenshot shows the Parktron POS software interface. At the top, it displays 'Machine ID 81' and 'Operator Operator 1'. The main window is divided into several sections. On the left is a sidebar with icons for 'Payment', 'Shift Account', 'Special Ticket Inq.', 'Season Card', 'Operator Card', 'Card/Ticket Inq.', and 'Login/Logout'. The date and time '03/11/2009 20:13:15' are shown at the bottom left. The central area contains a list of fields for transaction details: 'Rate Area', 'Ticket No.', 'Ticket Type', 'Ticket status', 'Entry Time', 'Parking Hour', 'Card Fee', 'Discount By Amount', 'Discount By %', 'Discount By Hour', 'Balance value', 'Parking Fee', 'Total', 'Invoice ID (F10)', and 'Pcs Of Receipt Left' (which is set to '1'). To the right of these fields is a numeric keypad with digits 0-9, a 'Backspace' button, and a 'Clear' button. Further right are buttons for 'Enter(F1)', 'Open Cash Drawer (F2)', '1 Hour discount(F5)', '10 % OFF discount(F6)', 'Select discount(F7)', 'Store Value To Value Card', 'Use Balance', 'Reprint receipt (F8)' (highlighted with a red box), and 'Cancel(F4)'. The bottom status bar shows 'Pcs Of Receipt Left 1'.

Fig. 4-11

4-4-2. Reprint by ticket search:

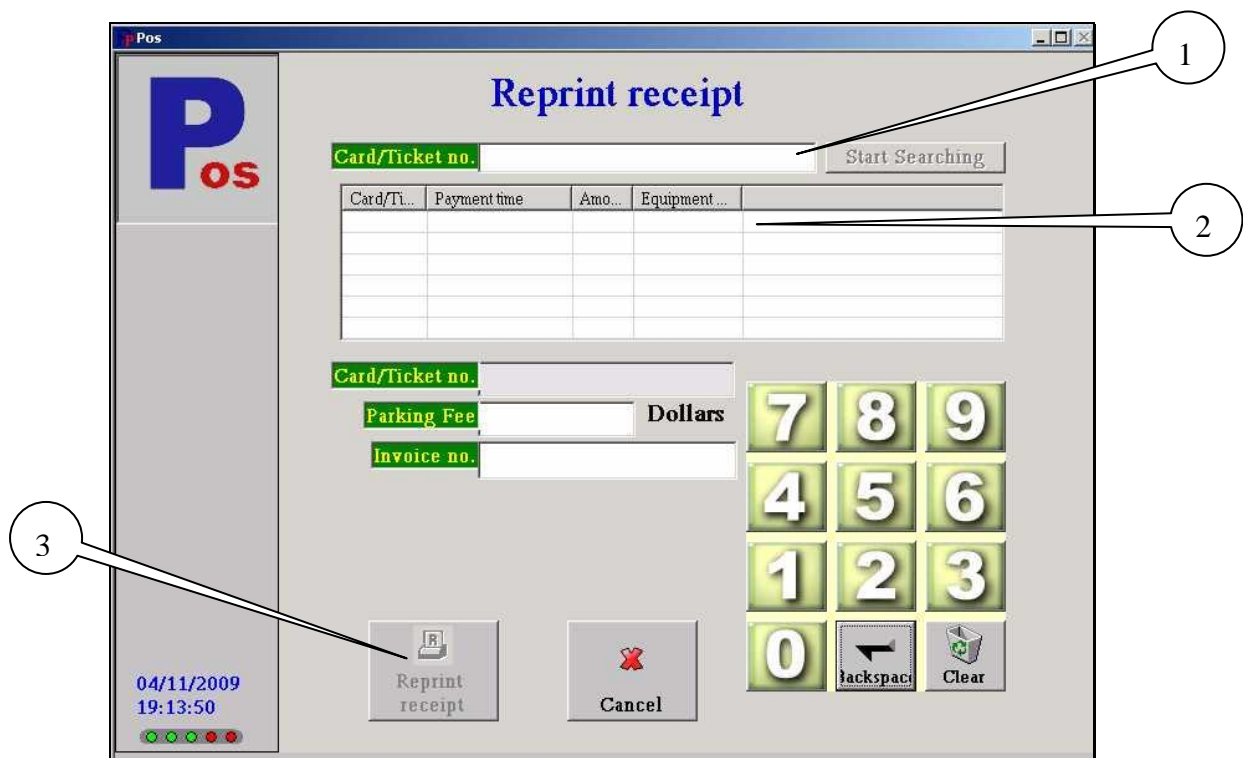


Fig. 4-12

1. Type in parking ticket number and push **[Start searching]** for searching the ticket information for receipt reprint.
2. Highlight the search result to display receipt information for reprint.
Note: If the ticket had its receipt printed before, the search result will not show any item.
3. Push **[Reprint receipt]** to print out the receipt again.

4-4-3. Reprint by input receipt number:

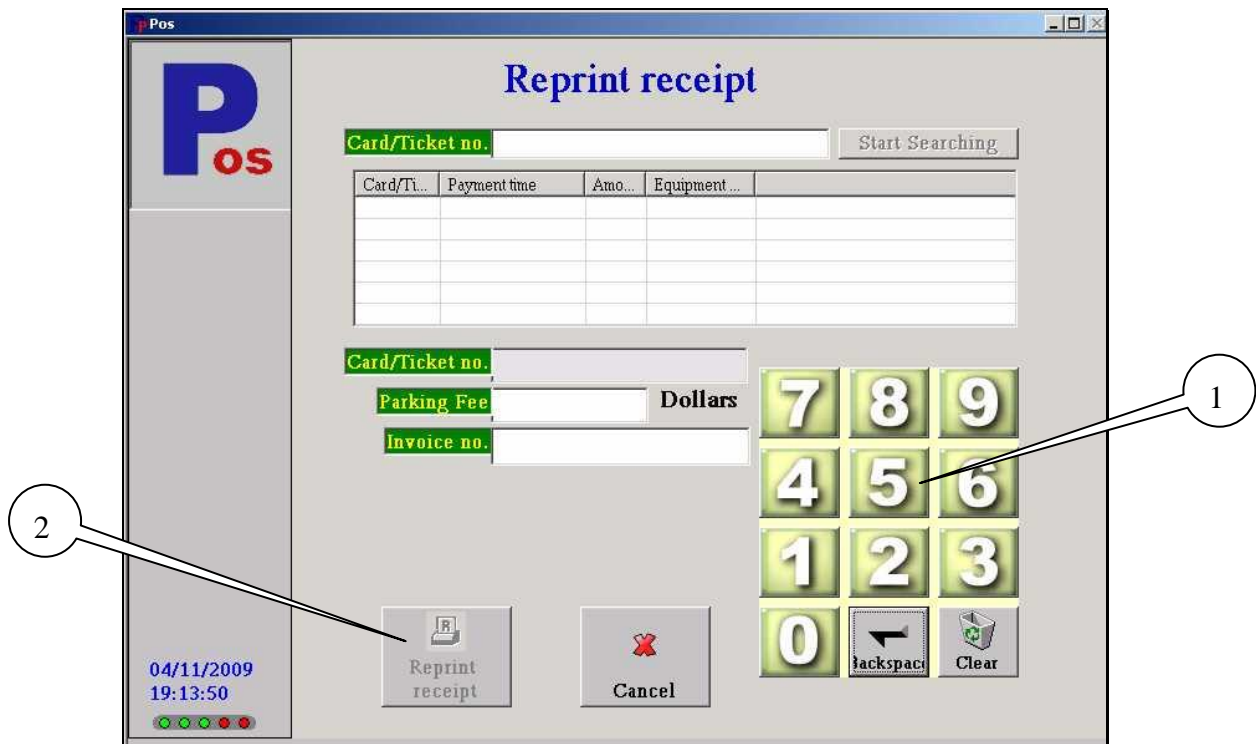


Fig. 4-13

1. Input the receipt number for reprint with the number keypad on the screen.
2. Push [Reprint receipt] to print out the receipt again.

5. Shift account:

5-1. Shift account page:

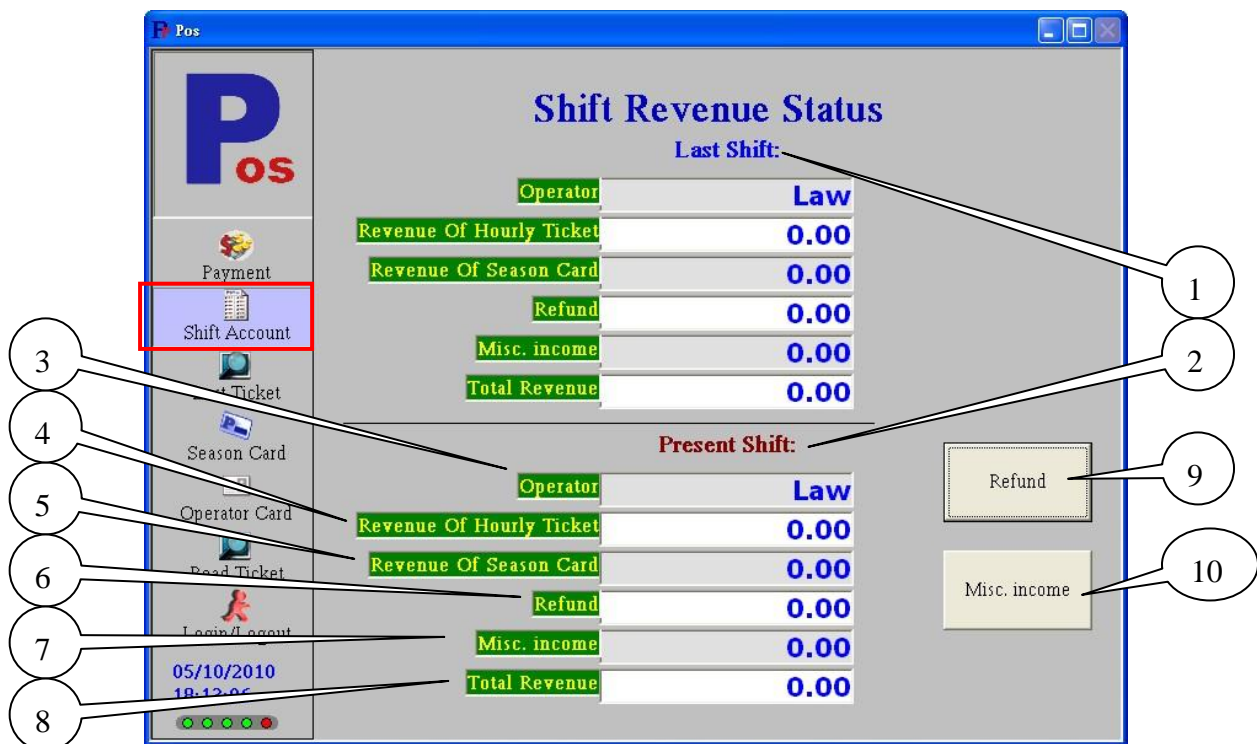


Fig. 5-1

1. The shift revenue details of last shift.
2. The shift revenue details of current shift.
3. Operator ID.
4. Total revenue amount of hourly parking.
5. Total revenue amount of season card parking (Value card parking included).
6. Refund total amount.
7. Miscellaneous income other than parking revenue. (No receipt provided)
8. Revenue summary.
9. **[Refund]**: Push to enter refund operation page.
10. **[Misc. income]**: Push to conduct miscellaneous income acceptance. (No receipt provided)

5-2. Refund operation:

Push **[Refund]** button in Shift account page to enter refund operation page (Fig. 5-2)

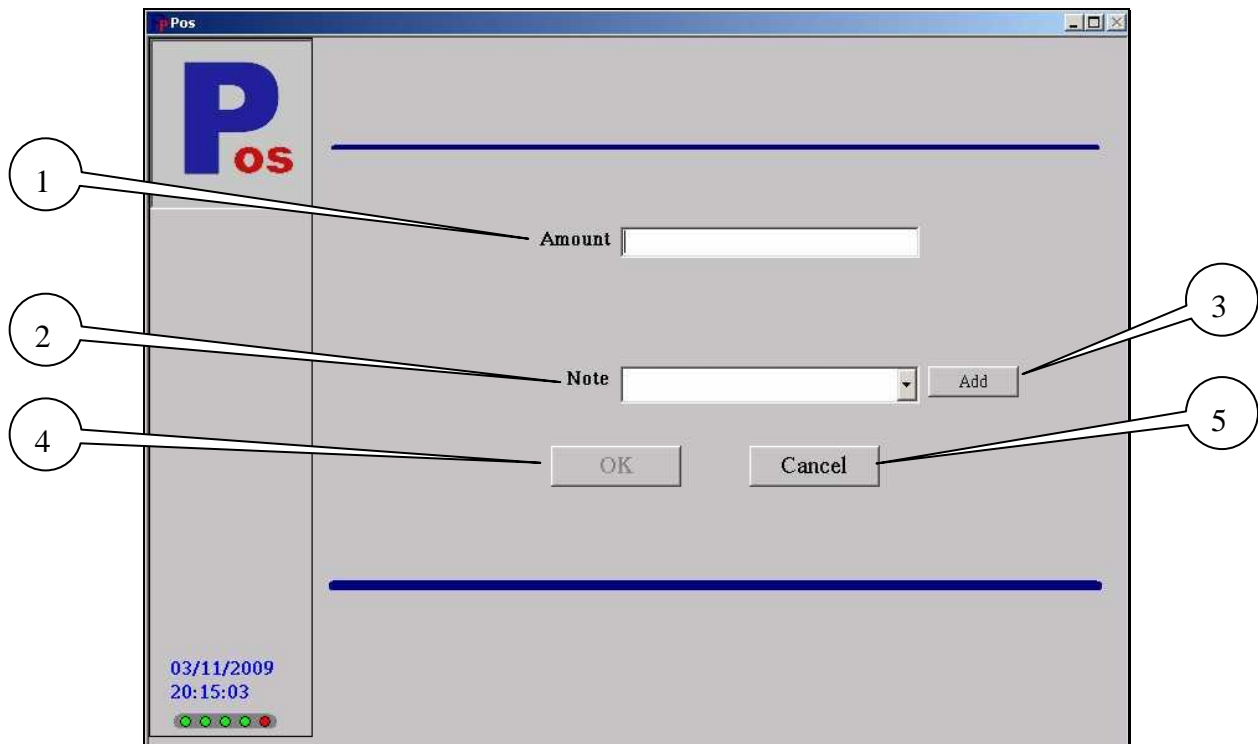


Fig. 5-2

1. Input the amount of refund.
2. Using pull down menu to select existing refund note.
3. Or push **[Add]** to input new refund note.
4. Push **[OK]** to confirm refund activity and go back to shift account page.
5. Push **[Cancel]** to cancel and leave the refund operation.

5-3. Miscellaneous income operation:

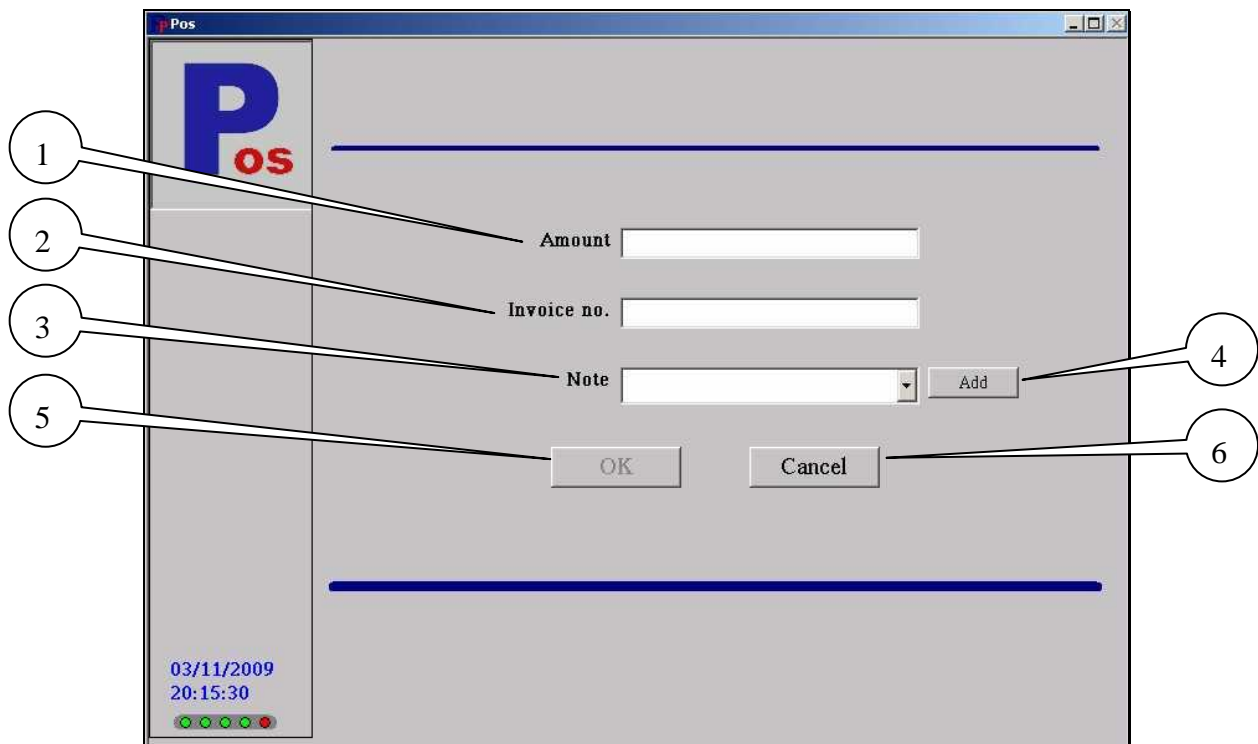


Fig. 5-3

1. Input the amount of miscellaneous income received.
2. Input the associated receipt or invoice number if available.
3. Using pull down menu to select existing income note.
4. Or push **[Add]** to input new income note.
5. Push **[OK]** to confirm refund activity and go back to shift account page.
6. Push **[Cancel]** to cancel and leave the refund operation.

6. Lost ticket:

6-1. Lost ticket search by entry time:

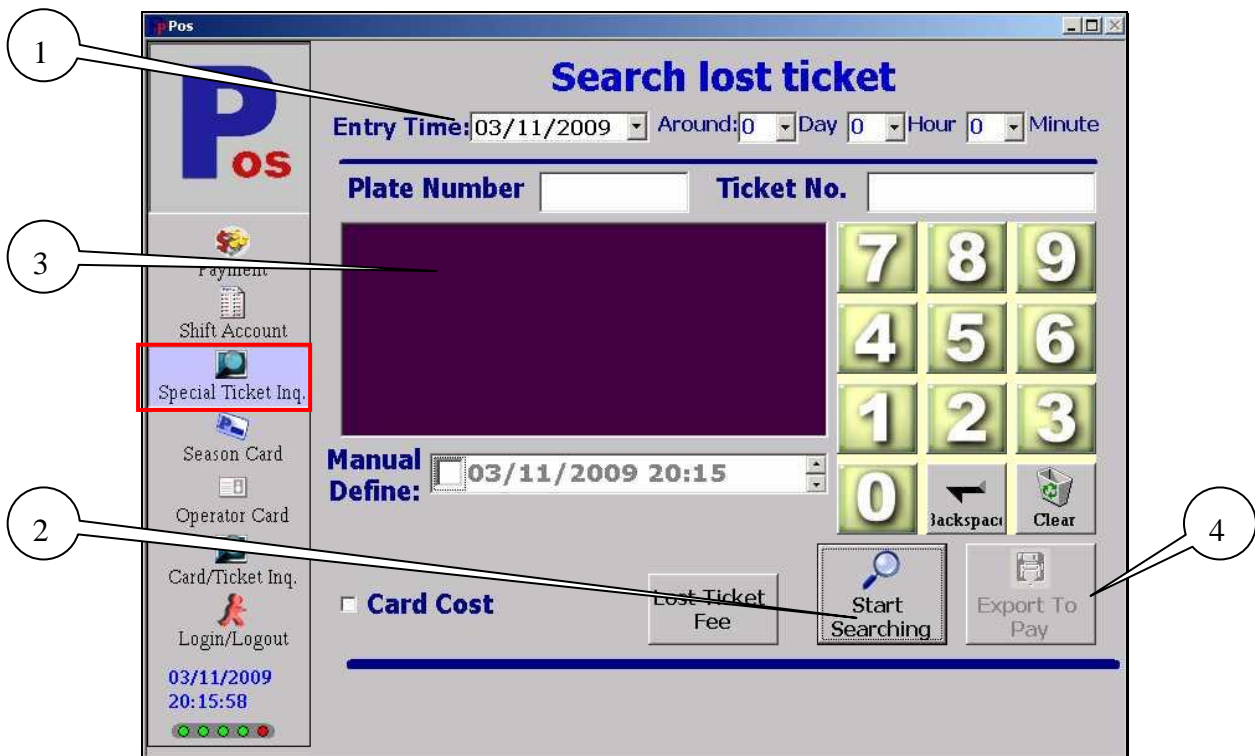


Fig. 6-1

1. Select the date and the before and after time range (by day, hour and minute) of the date to search.
2. Push **[Start Searching]** button to start the search in database.
3. After search result showing on the result display, click on the target ticket item of searching.
4. Place a new parking ticket (card) on the card reader, and then push **[Export to pay]** button to conduct payment for this lost ticket item.

6-2. Lost ticket search by plate number or ticket number:

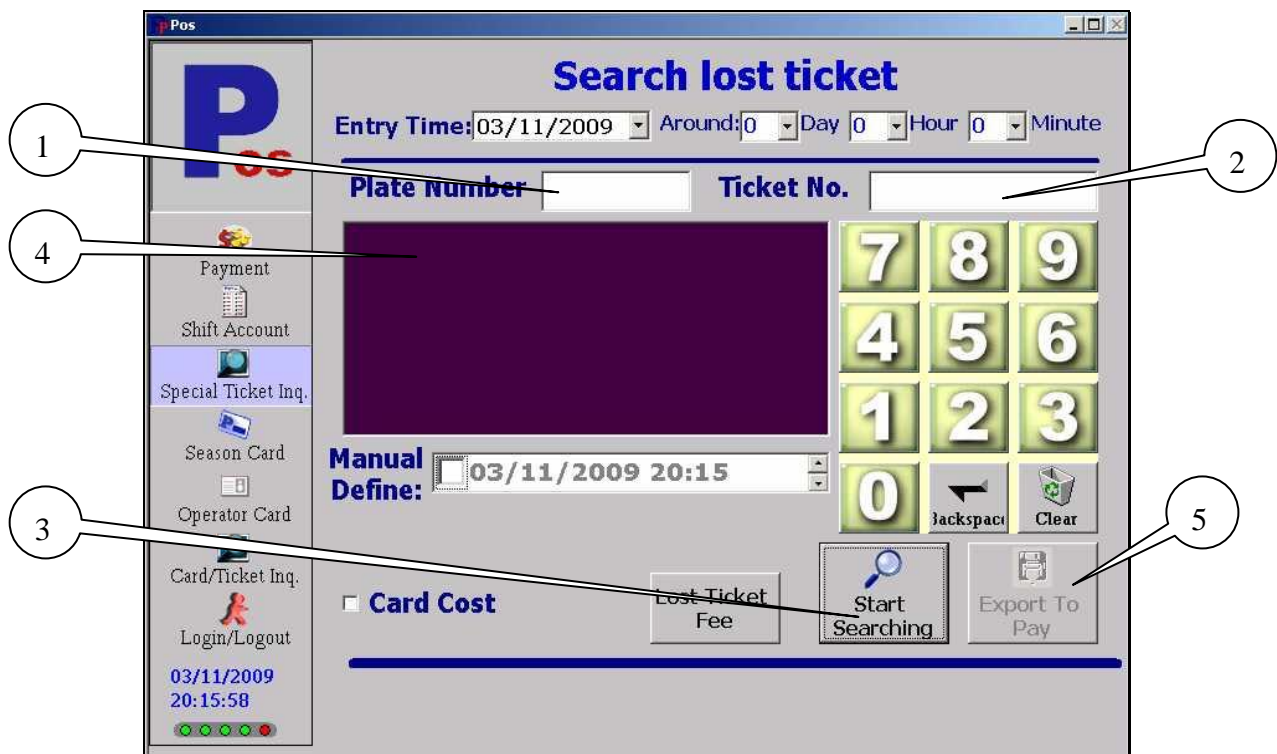


Fig. 6-2

1. Input the license plate number associated with the parking vehicle to search.
2. Or input the parking ticket number to search.
3. Push **[Start Searching]** button to start the search in database.
4. After search result showing on the result display, click on the target ticket item of searching.
5. Place a new parking ticket (card) on the card reader, and then push **[Export to pay]** button to conduct payment for this lost ticket item.

6-3. Manual defined entry time for a lost ticket payment:

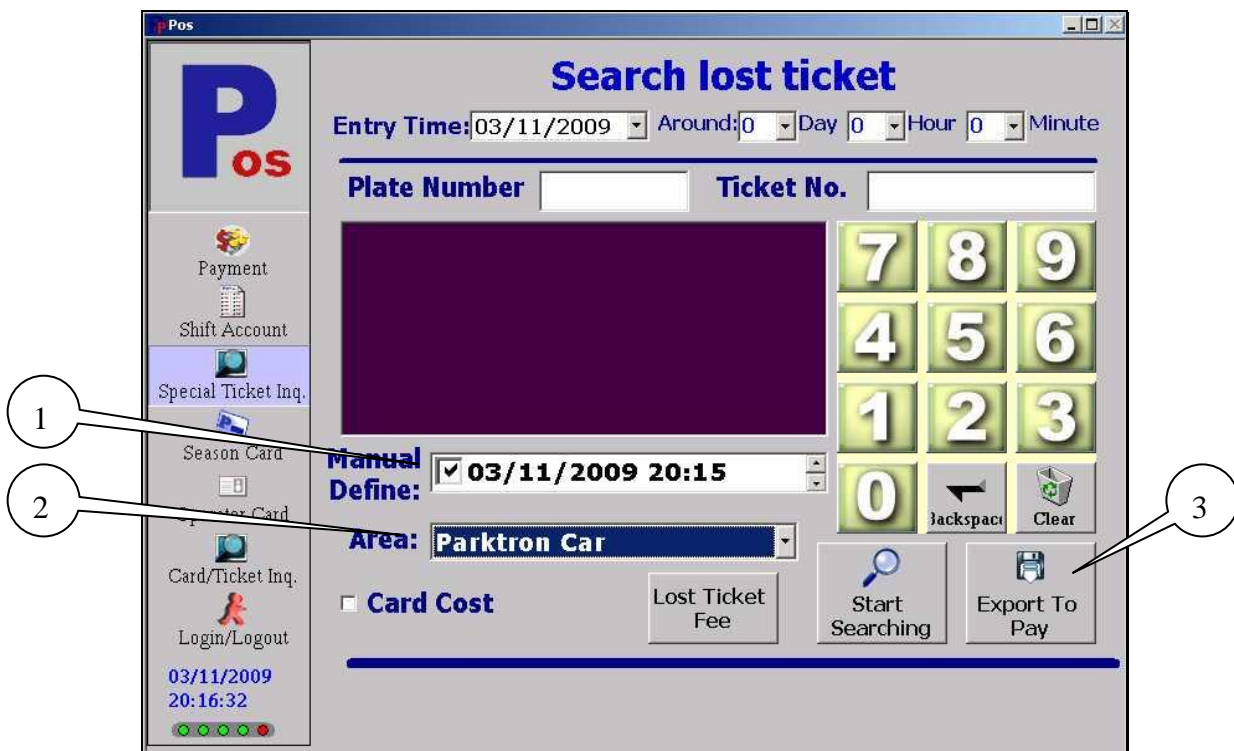


Fig. 6-3

1. Check the manual define box and manually input the entry time for payment.
2. Select the correct parking area.
3. Place a new parking ticket (card) on the card reader, and then push **[Export to pay]** button to conduct payment for a lost ticket item.

6-4. Fixed rate for a lost ticket payment:

When there are difficulties to obtain entry time of a lost hourly ticket. Charging a fixed rate with a whole day parking fee plus ticket cost can be operated as follows.



Fig. 6-4

1. **[Card Cost]**: Check to include a card cost charge (system defined) for a lost ticket, or uncheck to exclude.
2. Place a new parking ticket (card) on the card reader, and then push **[Lost Ticket Fee]** button to conduct fixed rate payment for a lost ticket.

7. Season card:

Season card function page (Fig. 7-1) is mainly for season card and value card operation. Refer to following sections for detailed operating description.

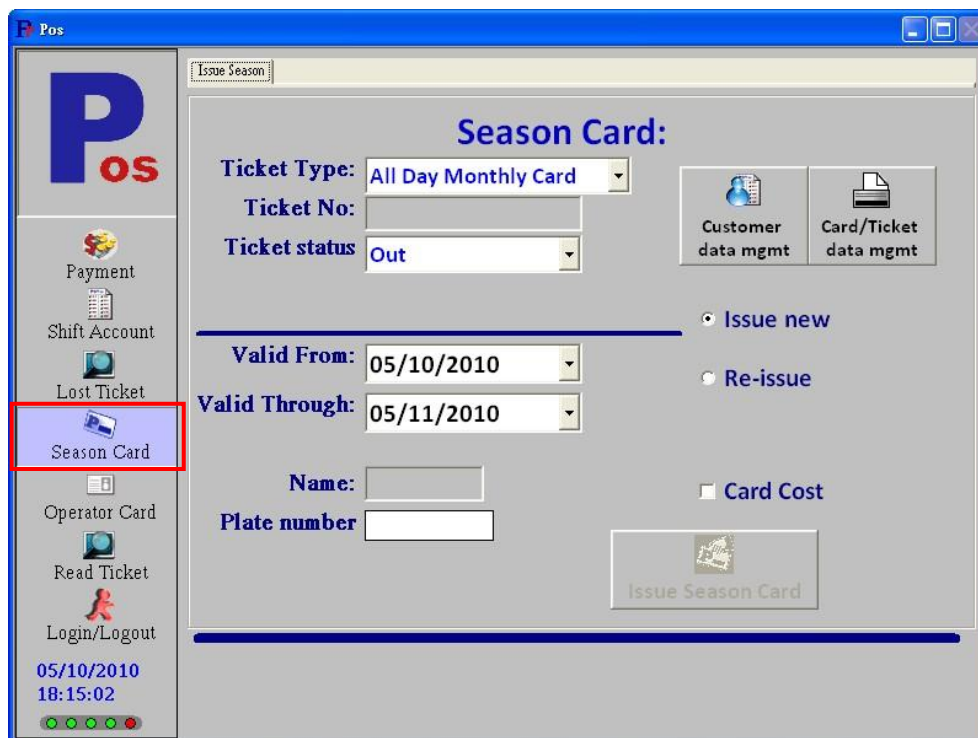


Fig. 7-1

7-1. Customer data management:

In season card function page, push **[Customer data mgmt]** button to enter customer data management page (Fig. 7-3).

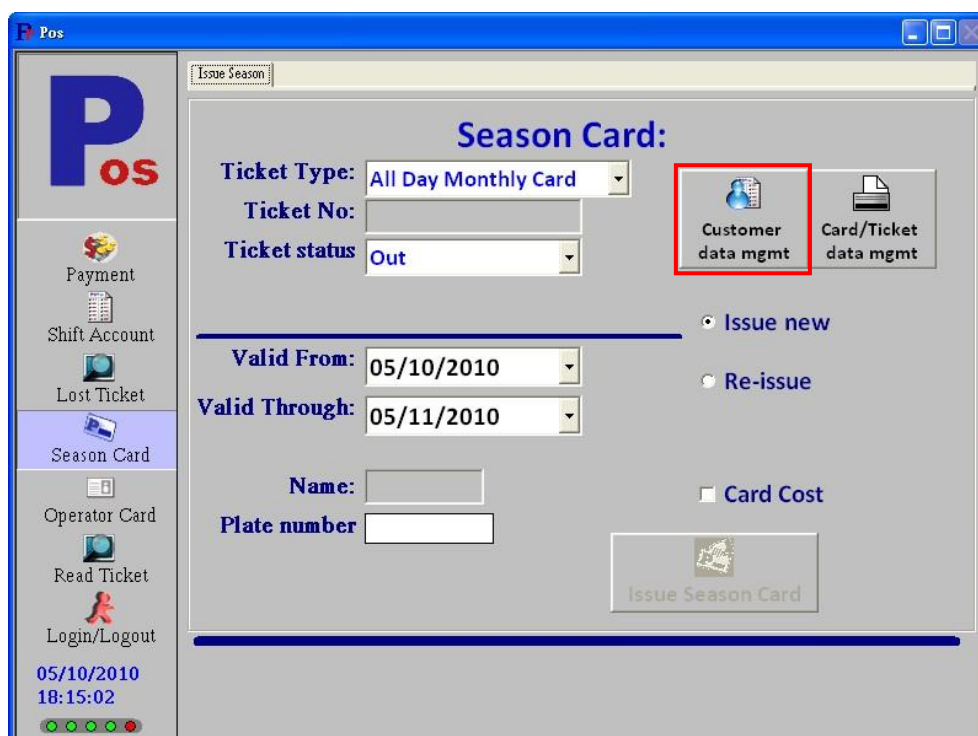


Fig. 7-2

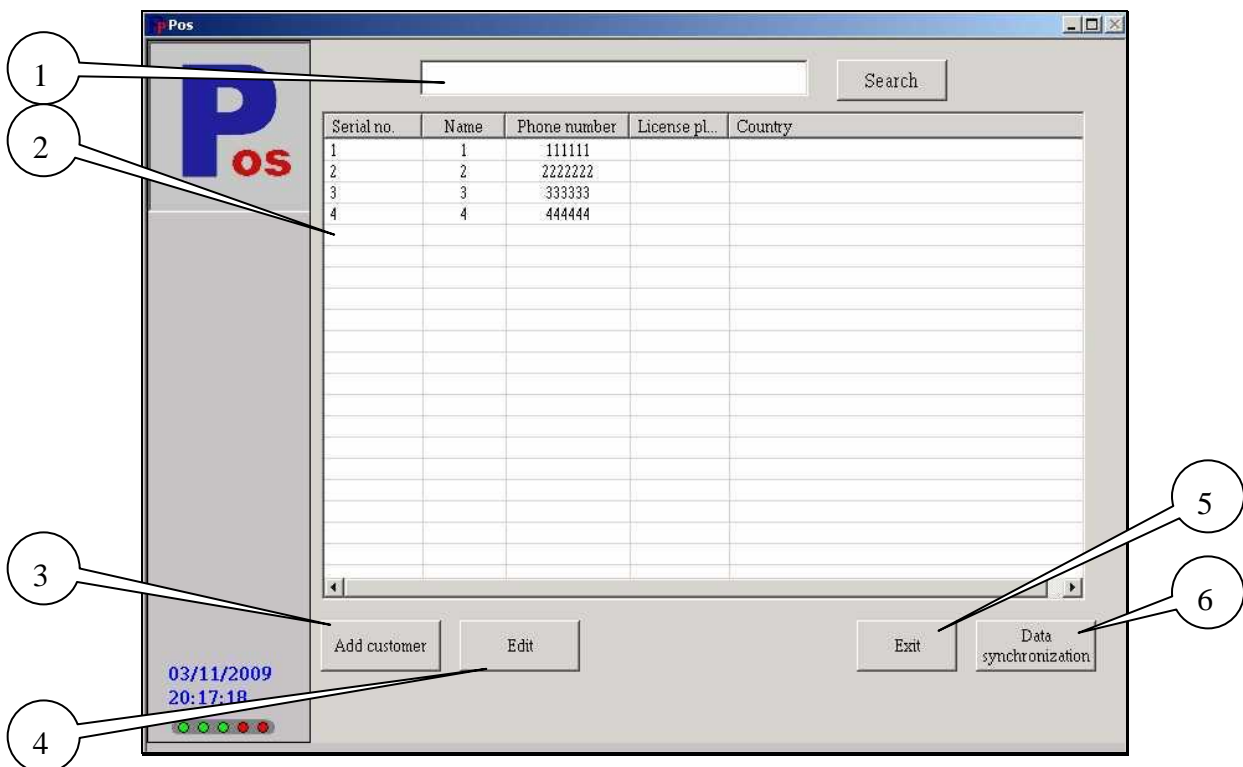


Fig. 7-3

1. **Keyword search box:** Type in a key word of either serial number, customer name or phone number for searching and highlighting a customer data item for operation.
2. **Customer data table:** List all customer data entries by serial number order.
3. **[Add customer]:** For adding a new customer data entry. Refer to section 7-1-1 below for detail instruction.
4. **[Edit]:** To edit the customer data item highlighted. Refer to section 7-1-2 below for detail instruction.
5. **[Exit]:** To exit customer data page.
6. **[Data synchronization]:** To broadcast updated customer database to all connected system devices.

7-1-1. Add a new customer data entry:

Push **[Add customer]** button (No. 3 in Fig. 7-3) in the customer data page to enter customer addition page (Fig. 7-4).

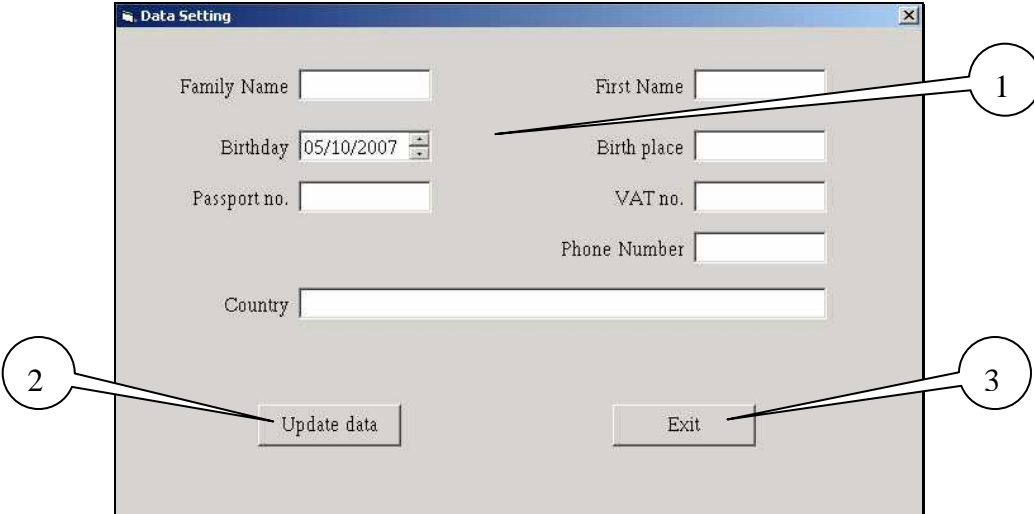


Fig. 7-4

1. Fill in customer information for new addition.
2. Push **[Update data]** to confirm a new customer data addition to database.
3. Push **[Exit]** to quit out of the new customer addition page.

7-1-2. Edit a customer data entry:

Highlight a customer data entry, and push **[Edit]** button (No. 4 in Fig. 7-3) in the customer data page to enter customer editing page (Fig. 7-5) for the highlighted entry item.

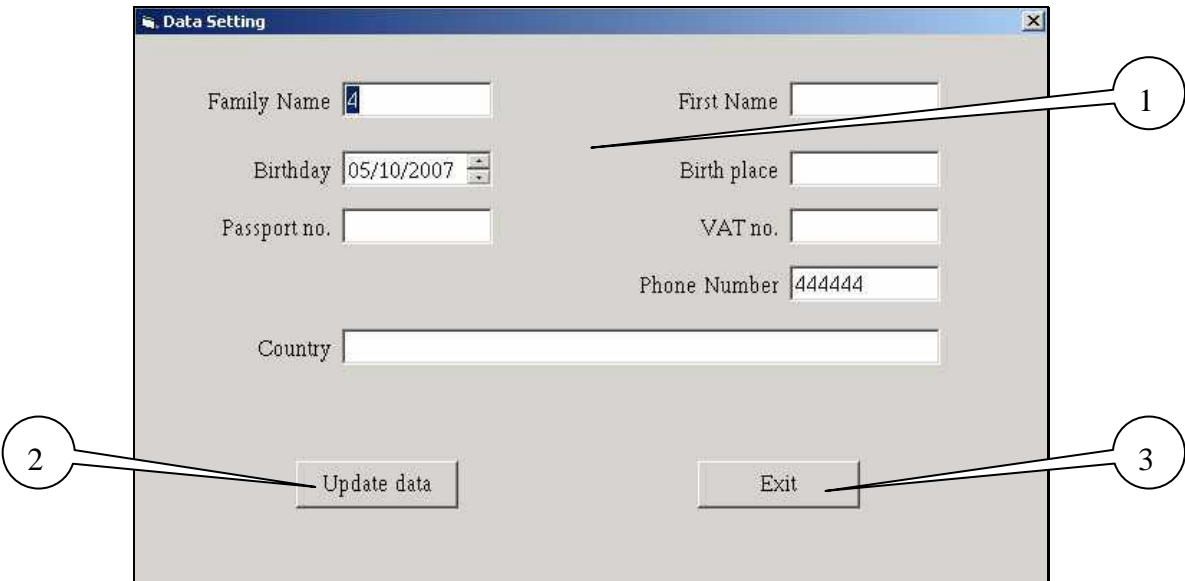


Fig. 7-5

1. Edit the customer information shown in the page as wished.
2. Push **[Update data]** to confirm the edition of customer data to database.
3. Push **[Exit]** to quit out of the customer data edition page.

7-2. Season card / value card:

In season card function page, push **[Card/Ticket data mgmt]** button to enter card/ticket data management page (Fig. 7-7).

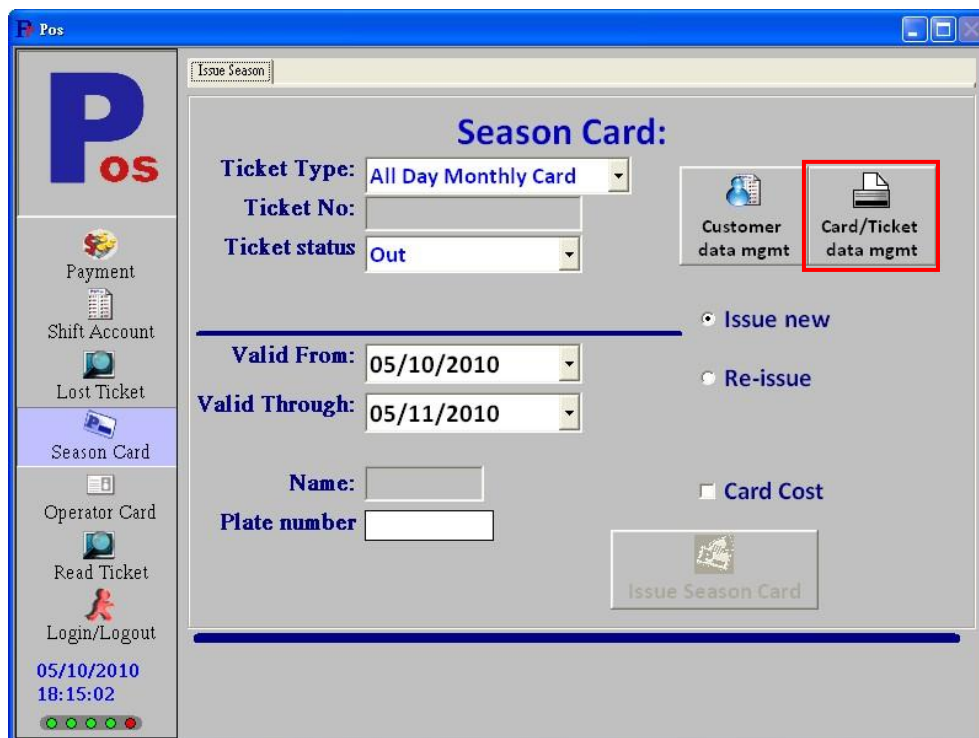


Fig. 7-6

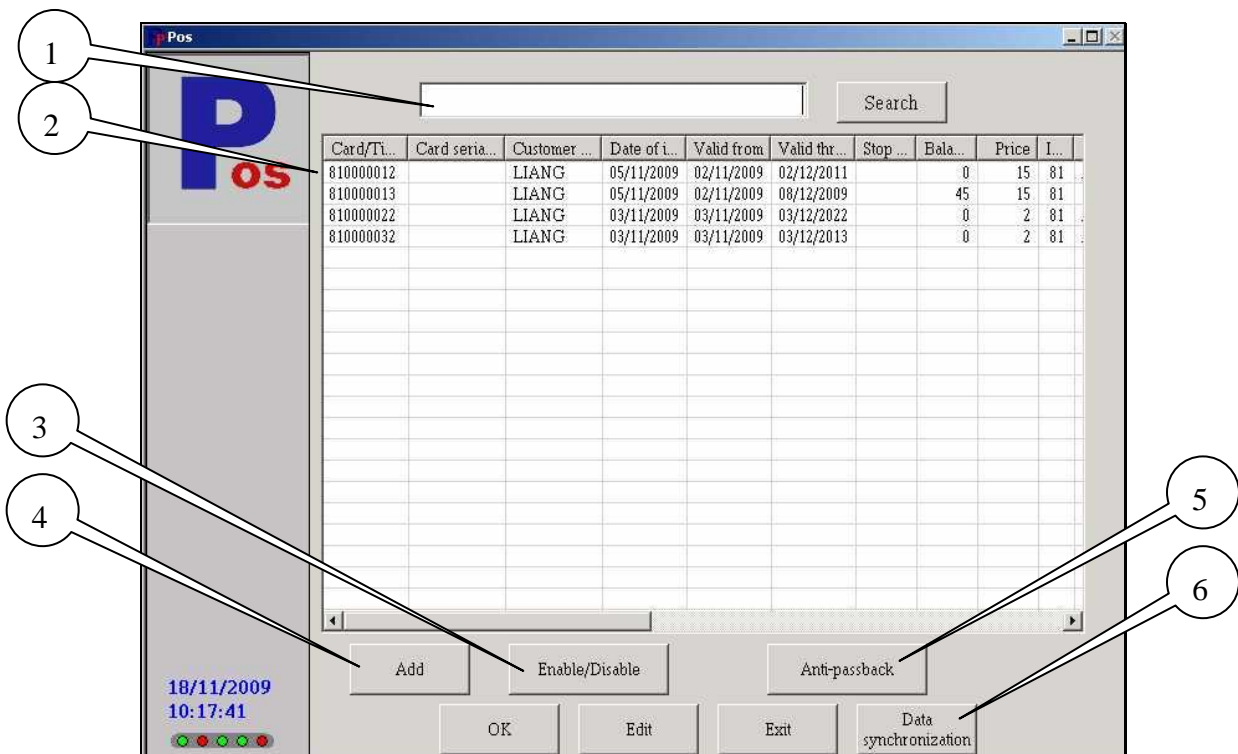


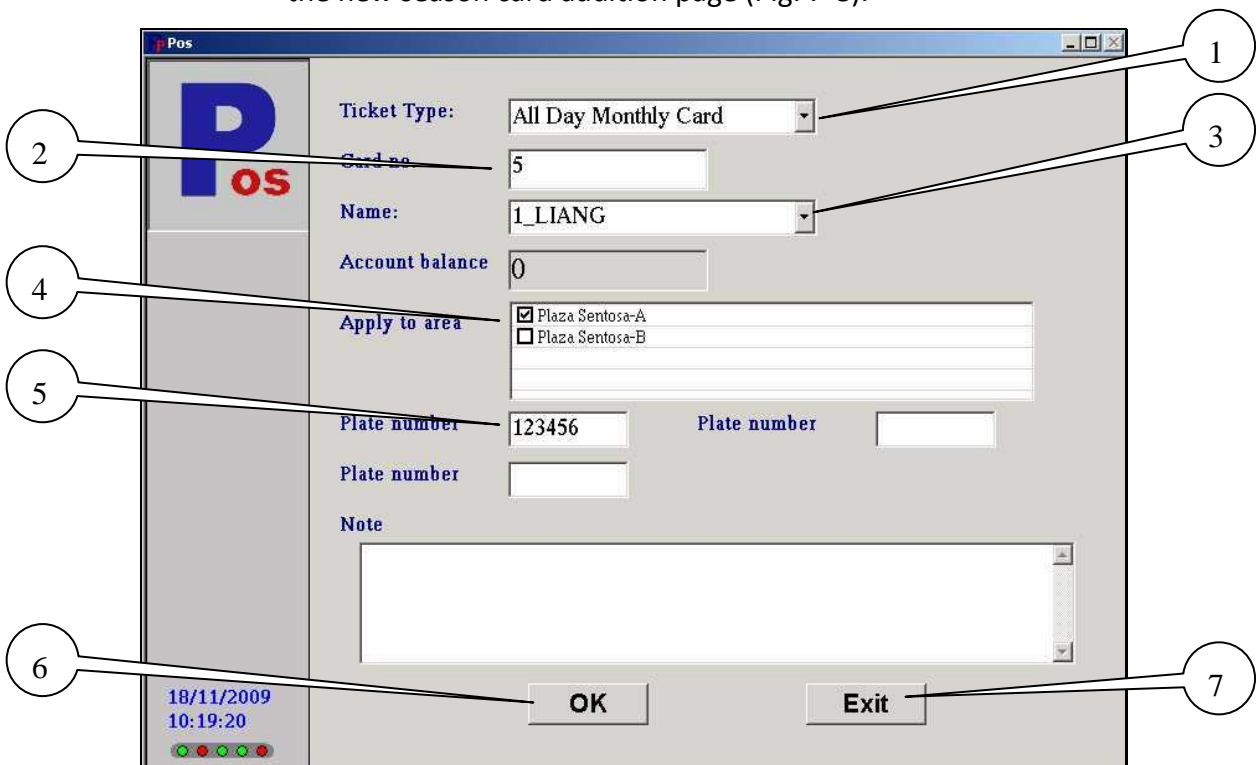
Fig. 7-7

1. Keyword search box: Type in a key word of either card number, customer name or date of issuing ...etc for searching and highlighting a season card or value card item for operation.
2. Card/Ticket data table: List all the card/ticket data items in the database.
3. **[Enable/Disable]**: To enable or disable a season card/ticket.
4. **[Add]**: For adding and creating a new season card /value card entry item in the card data table. (refer to section 7-1-1 for detail instruction)
5. **[Anti-passback]**: For enable/disable anti-passback setting to a season card.
6. **[Data synchronization]**: To synchronize new updated season card data to all connected system devices.

7-2-1. Season card / Value card new issuing:

7-2-1-1. Add a new season card item:

Push **[Add]** button (No. 4 in Fig. 7-7) in card data management page to enter the new season card addition page (Fig. 7-8).



The screenshot shows a software window titled 'Pos' with a sidebar logo. The main area contains the following fields and controls:

- Ticket Type:** A dropdown menu currently showing 'All Day Monthly Card' (Callout 1).
- Card no.:** A text box containing the number '5' (Callout 2).
- Name:** A dropdown menu showing '1_LIANG' (Callout 3).
- Account balance:** A text box containing '0'.
- Apply to area:** Two checkboxes, 'Plaza Sentosa-A' (checked) and 'Plaza Sentosa-B' (unchecked) (Callout 5).
- Plate number:** Two text boxes, the first containing '123456' (Callout 4 points to the 'Add' button).
- Note:** A large text area at the bottom.
- Buttons:** 'OK' and 'Exit' buttons at the bottom right (Callout 6 points to 'OK', Callout 7 points to 'Exit').
- Status Bar:** At the bottom left, it shows the date '18/11/2009', time '10:19:20', and a row of five colored status lights.

Fig. 7-8

1. Use pull down menu to select a card type for new addition.
2. Type in a new card number.
3. Use pull down menu to select the custom name. (New custom data need to be added first – refer to section 7-1-1)
4. Configure the parking area(s) allowed for the new added parking card. At least one parking area need to be selected.

5. Type in car license plate associated with the parking card. (Optional feature for license number matching if a license plate recognition system is installed)
6. **[OK]**: Push to save the new added card data to database and go back to card data management page.
7. **[Exit]**: Push to ignore data input and quit out of new card addition operation and go back to card data management page.

7-2-1-2. New season card / value card issuing:

Highlight a new card item created in section 7-2-1-1 earlier in the card data table and push **[OK]** to enter the new card issuing page (Fig. 7-10).

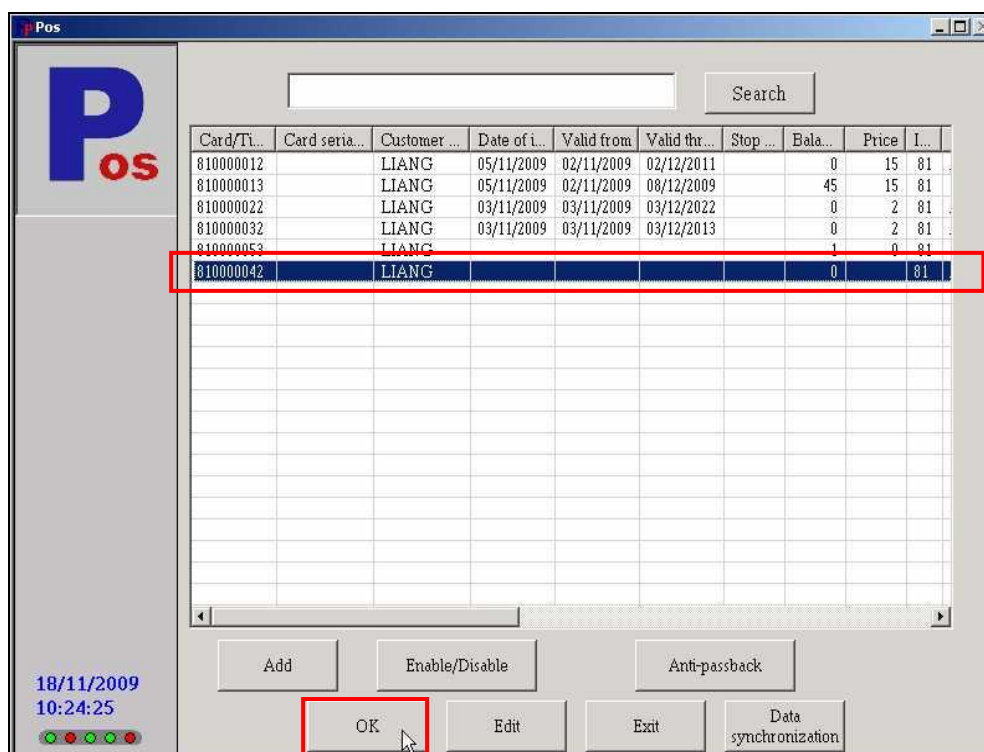


Fig. 7-9

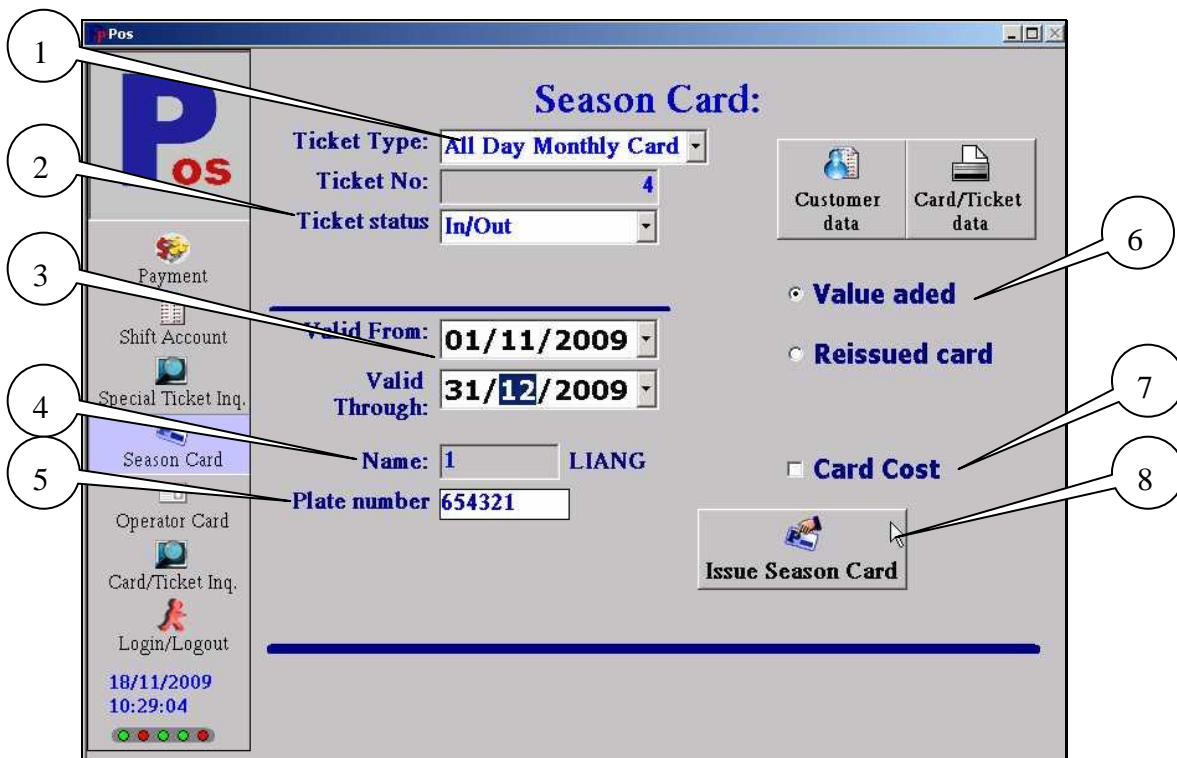


Fig. 7-10

1. Select a season card type (includes value card).
2. Define current card status: In, out or no limitation for first time usage.
3. Setup card valid time of beginning and ending.
4. Customer number and name.
5. Correspondent car license plate: For one card matching one license number setting only with a License plate recognition system installed.
6. **[Issue new]**: Check for issuing a new season card or a value card.
7. **[Card cost]**: Check to apply a card cost charge to the issuing operation.
8. Place a new card on the card reader, and push **[Issue Season Card]** button to enter payment page to conduct a new card payment.
9. Make sure all the payment items and amount are correct, and push **[OK]** to confirm the completion of a new card issuing payment (Fig. 7-11).
10. A question box for receipt printing (Fig. 7-12) will pop up after payment confirmed. Push **[Yes]** to print out a receipt and **[No]** to discard a receipt printing. Take the new card issued and hand it to the customer with a receipt if printed.

Pos Plaza Sentosa Machine ID **81** Operator **Operator 1**

Rate Area	1
Ticket No.	810000032
Ticket Type	All Day Monthly
Ticket status	In/Out
Entry Time	
Parking Hour	
Card Fee	0.00 Dollars
Discount By Amount	Dollars
Discount By %	%
Discount By Hour	Hour
Balance value	0
Parking Fee	2.00
Total	2.00
Invoice ID (F10)	
Pcs Of Receipt Left	248

18/11/2009 13:09:51

Function keys: Enter(F1), Open Cash Drawer (F2), 100% Discount(F5), Select discount(F7), OK(F3), Cancel(F4), Reprint receipt (F8), Store Value To Value Card, Use Balance, Backspace, Clear.

Fig. 7-11

Pos Plaza Sentosa Machine ID **81** Operator **Operator 1**

Rate Area	1
Ticket No.	810000032
Ticket Type	All Day Monthly
Ticket status	In/Out
Entry Time	
Parking Hour	
Card Fee	
Discount By Amount	
Discount By %	
Discount By Hour	
Balance value	
Parking Fee	2.00
Total	2.00
Invoice ID (F10)	
Pcs Of Receipt Left	248

18/11/2009 13:10:54

Dialog box: POS Print Receipt? Yes No

Function keys: Enter(F1), Open Cash Drawer (F2), 100% Discount(F5), Select discount(F7), OK(F3), Cancel(F4), Reprint receipt (F8), Store Value To Value Card, Use Balance, Backspace, Clear.

Fig. 7-12

7-2-2. Season card / Value card re-issuing:

Highlight an old card data item in card data table on card data page, and click **[OK]** to go to card re-issuing page (Fig. 7-14).

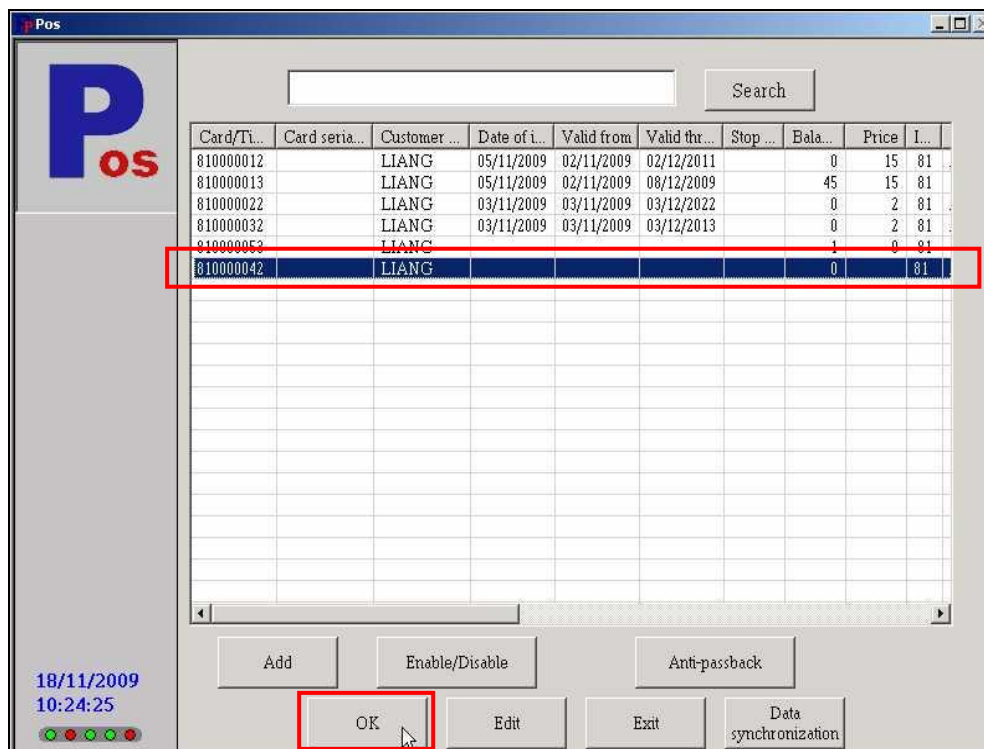


Fig. 7-13

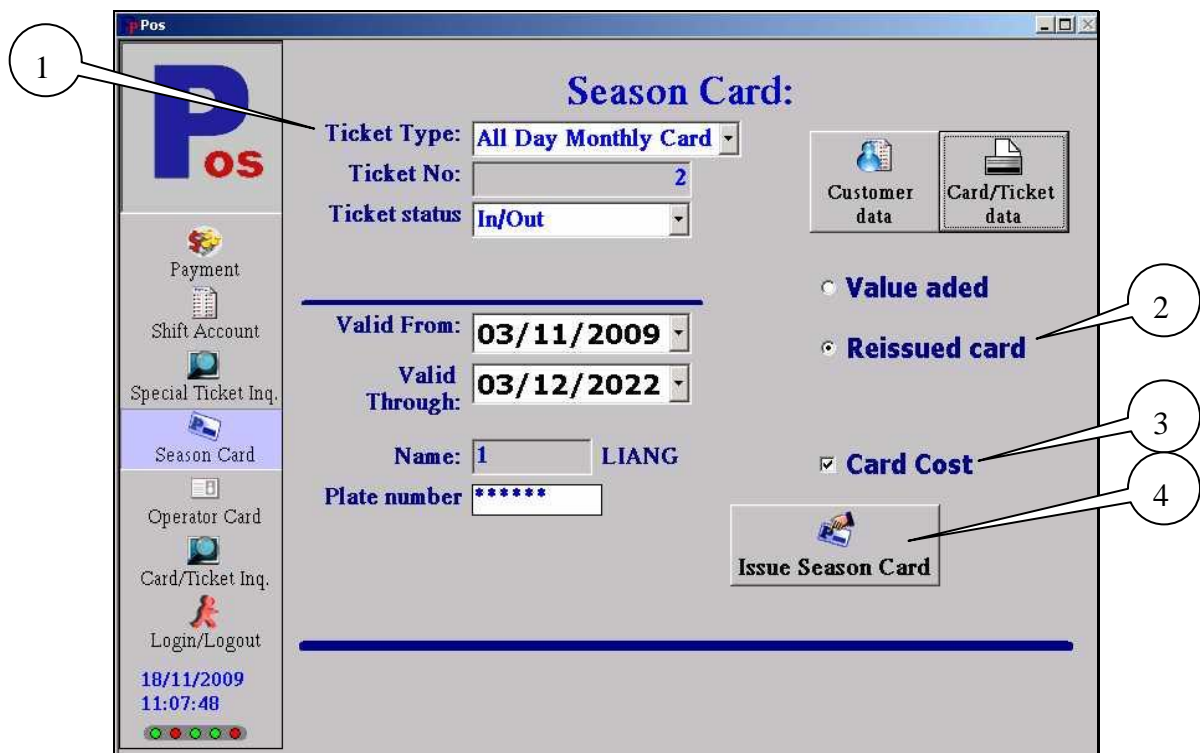


Fig. 7-14

1. Make sure card number, and other data are correct before re-issuing.
2. Check **[Re-issue]** for card re-issue operation.
3. **[Card cost]**: Check to apply a card cost charge to the re-issuing operation.
4. Place a new card on the card reader, and push **[Issue Season Card]** button for card re-issuing (write data into the new card). Take the new issued card and hand it to the customer.

Note: If card cost need to be charge in step 3 above, then after button **[Issue Season Card]** pushed, the program will go to payment page for conducting payment. (Please refer to step 9 and 10 in section 7-2-1-2)

8. Operator card:

The operator card management page (Fig. 8-1) is mainly for handling all kinds of operator card operation.



Fig. 8-1

8-1. Add / Modify operator data entry:

Push **[Operator Data]** button in operator card management page to enter operator data management page (Fig. 8-2)

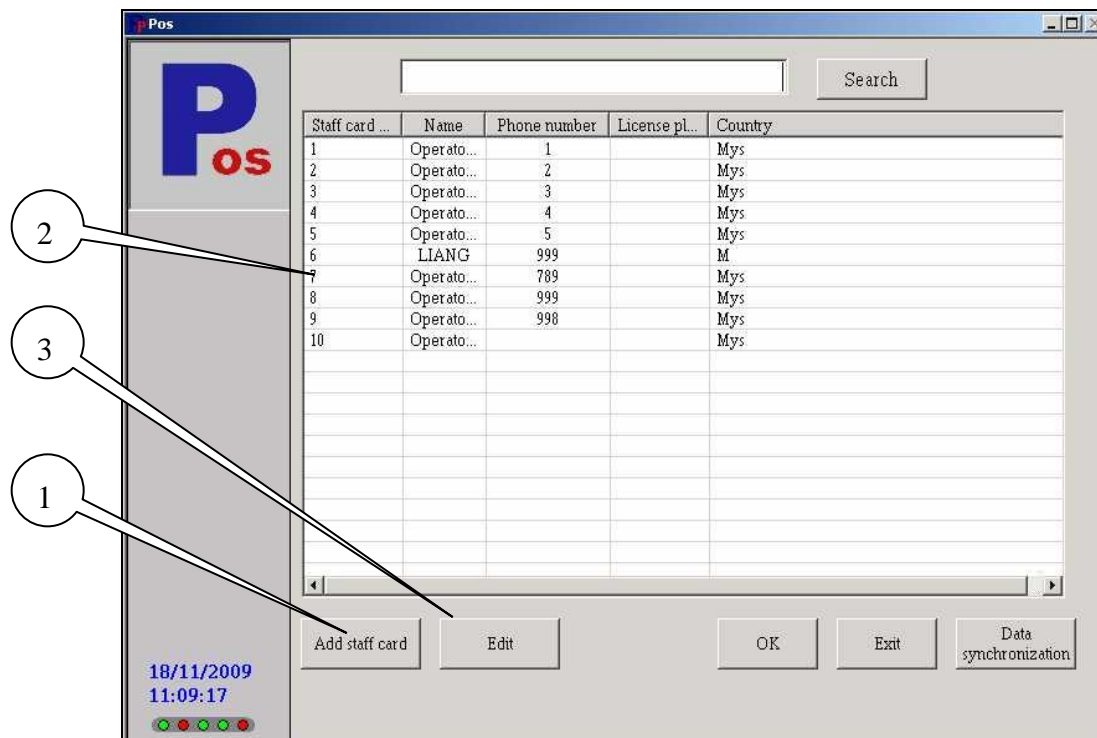


Fig. 8-2

1. Add a new operator data entry: Push **[Add Operator]** button in operator data management page (Fig. 8-2) for a new operator data entry window (Fig. 8-3) to pop up for data input.
2. Or select an old operator data entry for modification.
3. Push **[Edit]** button if you selected an old operator data entry and enter the data entry window (Fig. 8-3) for data modification.
4. Push **[Update data]** after a new operator data input or an old operator data edition to update server database.
5. Push **[Exit]** to close operator data entry window.

Pos

Search

Staff card Name Phone number Licence pl. Country

Data Setting

Family Name Operator 5 First Name 5

Birthday 01/01/1900 Birth place 5

Passport no. 5 VAT no. 5

Phone Number 5

Country Mys

Update data Exit

18/11/2009 11:12:13

Add staff card Edit OK Exit Data synchronization

Fig. 8-3

8-2. Issue operator card:

Highlight an operator data entry in operator data management page (Fig. 8-4), and click **[OK]** to go to operator card management page (Fig. 8-5).

Pos

Search

Staff card ...	Name	Phone number	License pl...	Country
1	Operato...	1		Mys
2	Operato...	2		Mys
3	Operato...	3		Mys
4	Operato...	4		Mys
5	Operato...	5		Mys
6	LIANG	999		M
7	Operato...	789		Mys
8	Operato...	999		Mys
9	Operato...	998		Mys
10	Operato...			Mys

18/11/2009 11:14:25

Add staff card Edit OK Exit Data synchronization

Fig. 8-4



Fig. 8-5

1. Operation level: Select and verify the operation level for the operator card going to be issued.
2. Verify operator ID, password, valid time and ticket number of the operator card before issuing.
3. Place a new operator card on the card reader, and push **[Issue Operator Card]** button to create and issue a new card with the data listed.

9. Read ticket:

Push **[Read Ticket]** on the main function side bar menu to enter ticket (card) data reading page (Fig. 9-1). The page is mainly for reading the data in a ticket (card) and display for viewing.

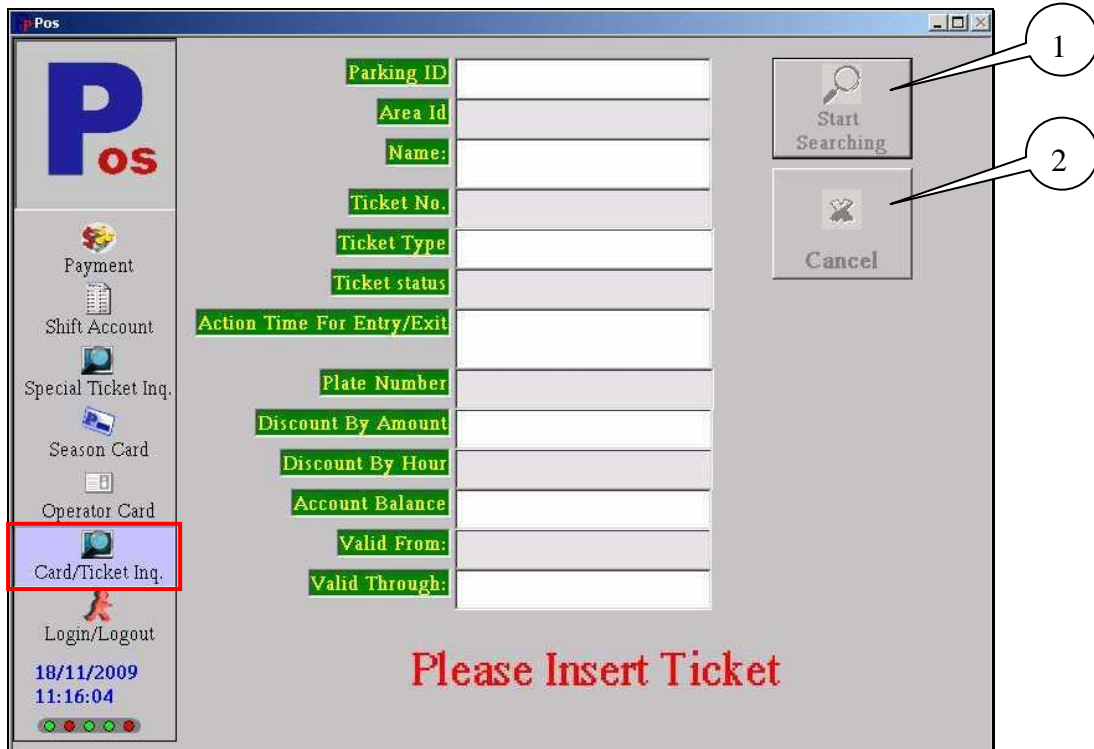


Fig.9-1

1. Place the ticket (card) on the card reader, and push **[Read data]** to read the data stored in the ticket (card) and display to the page screen.
2. Push **[Cancel]** to remove the ticket (card) and clear all data on the page screen.

10. Solutions to frequent encountered problems

10-1. **[Add]** button disappeared in the card/ticket data management page (Fig. 7-7).

1. Central management server program is not executed yet: Execute SERVER.EXE or reboot the server compute.
2. Networking disconnected: Examine the signal lights on networking hub(s) and see if flashing normally without red light(s). Power cycle the networking hub for a reboot and see if it fixed the problem.

10-2. Can not connect to the server database when issuing a new season card:

1. Central management server program is not executed yet: Execute SERVER.EXE or reboot the server compute.
2. Networking disconnected: Examine the signal lights on networking hub(s) and see if flashing normally without red light(s). Power cycle the networking hub for a reboot and see if it fixed the problem.

10-3. Card reader failed to read a card ticket:

1. Try card reader with an operator card. If an operator card can be read then the card ticket can not be read is probably damaged. Please re-issue a new card ticket to use.
2. If non of a tested card can be read, please check the connection between the card reader and the computer of the Cashier Station (POS).

10-4. Receipt printer has problems print out a receipt:

1. Verify if the thermal printer is out of printing paper. Install new paper roll if it is.
2. Unplug the USB connection cable of the thermal printer and re-plug in after waiting for few seconds.
3. Power cycle the thermal printer for a printer hardware reset.
4. Logout the Cashier Station (POS) program and power cycle the computer for a hardware reset, and log back in to the POS program.

Contact our system technician if none of above help resolving the problem.

Appendix 1: How to install a thermal paper roll to the receipt printer

1. Release the printer top cover lock by pushing back the lock switch (Fig. AP1-1).

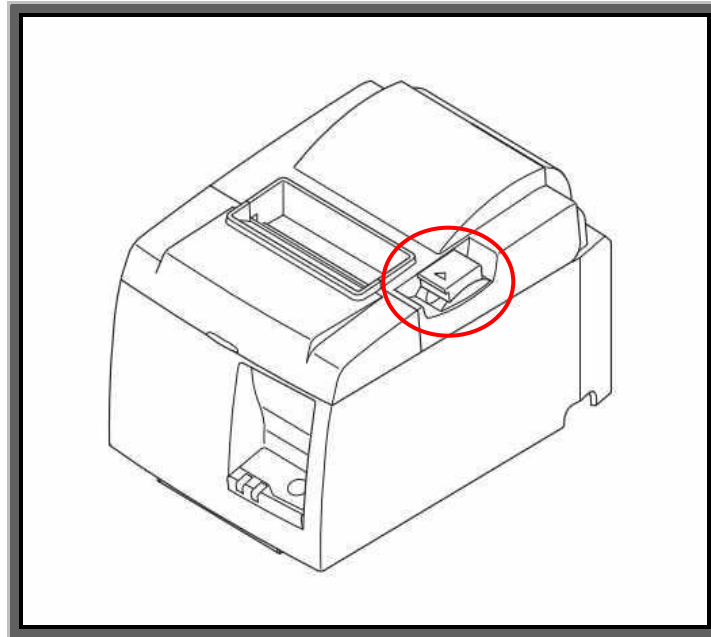


Fig. AP1-1

2. Open the printer top cover as shown in Fig. AP1-2.

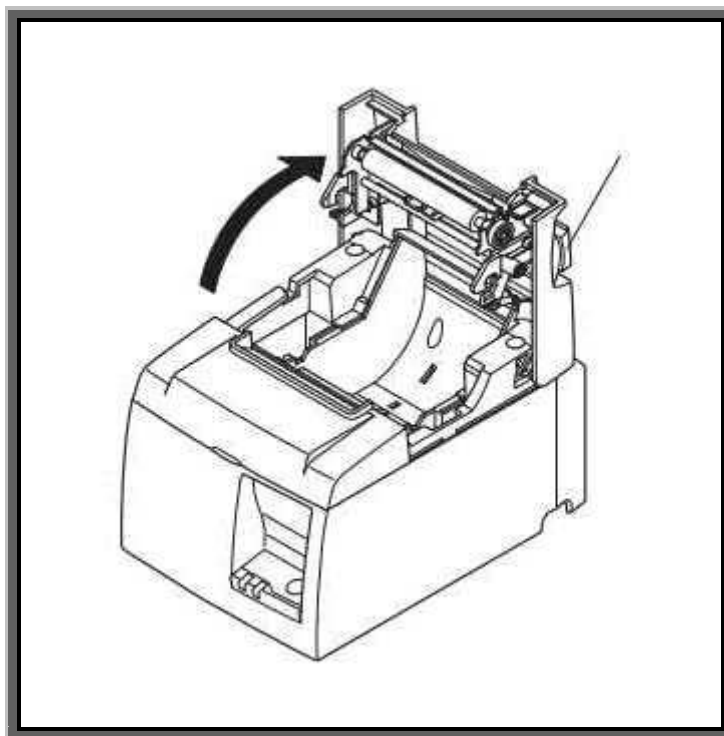


Fig. AP1-2

3. The correct direction to install a paper roll is shown in Fig. AP1-3. The outside of paper roll is the printing side should be facing down.

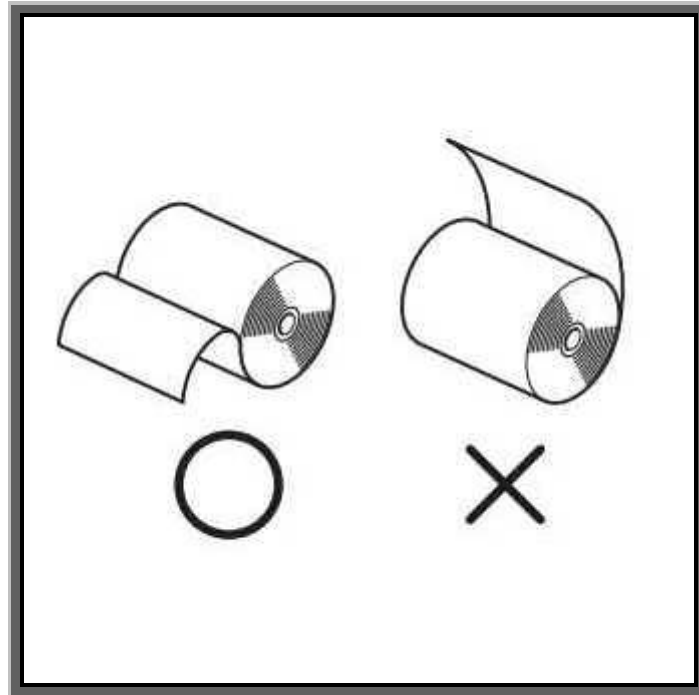


Fig. AP1-3

4. Install the paper roll into the printer with correct direction, and with a short portion of the roll paper front sticking out resting on the printer paper outlet.

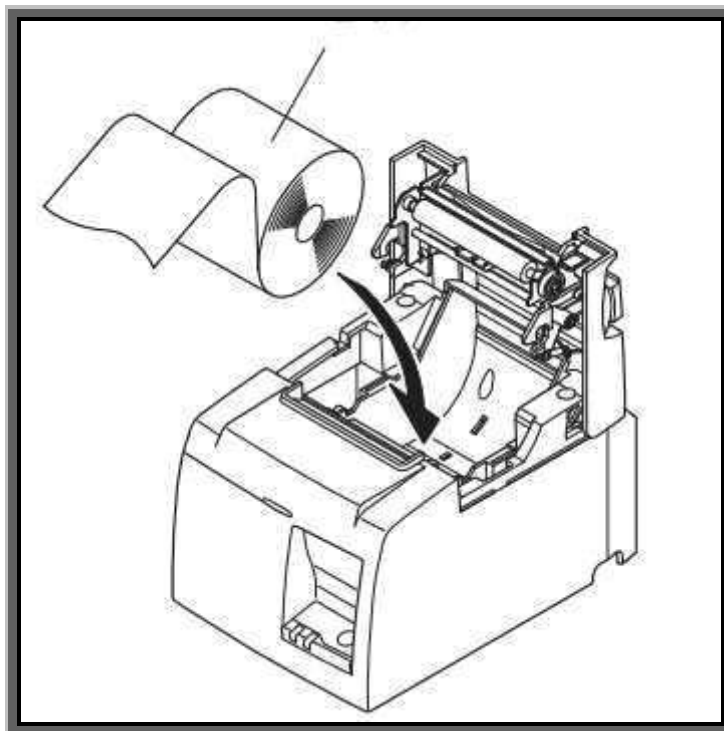


Fig. AP1-4

5. Close the printer top cover with the roll paper front sticking out of the printer outlet.

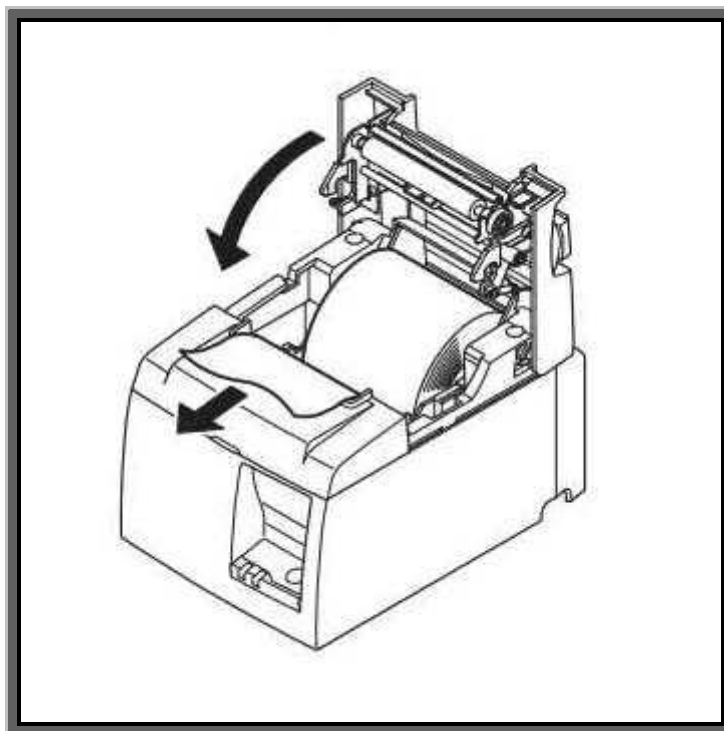


Fig. AP1-5

6. After the top cover is closed properly, the printer will automatically conduct a paper cutting operation. Tear off the front portion after cutting and the printer is ready for service.

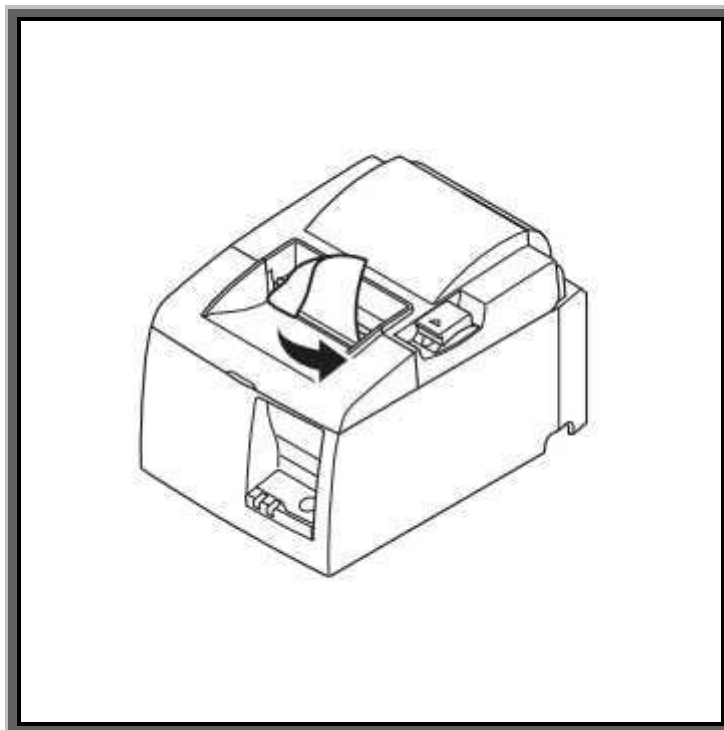


Fig. AP1-6