

PixelPoint®

# **Data Candy Gift Card Integration**

## Publication Details

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### **Patents**

The following patents apply to some areas of functionality within the PixelPoint software suite: Pat. 6,384,850; 6,871,325; 6,982,733; 8,146,077; 8,287,340

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## Overview

DataCandy, is a Leading Loyalty and Gift Card Solution Provider in Canada and the United States

This document will detail the gift card portion only

## Requirements

The following are the required components.

DataCandy.dll (Plugin DLL) v20.4.20.2 or higher

Copy the file *DataCandy.dll* into the DLLS folder ( \\posserver\\PixelPOS\\DLLS.)

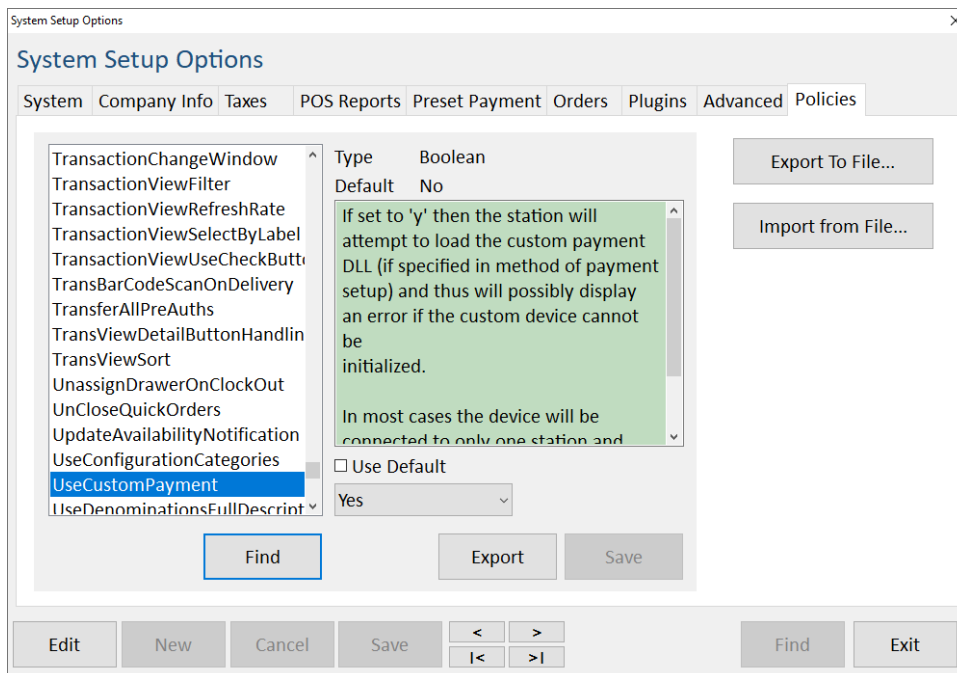
PixelPointPOS.exe v20.4.29.1064

BackOffice.exe v20.4.29.1064

## Configuration

### *Policies*

The policy **UseCustomPayment** must be set to Yes.



**SAVE** the Policy Changes

## Payment Method Setup

Go to BackOffice => Payments => Methods of Payment

Create a new Method of Payment and set the following options.

Tab General.

Authorization Required is set as **Custom**.

Sale Auth (No PreAuth) checked **ON**.

Methods of Payment

Active Record  
2006

General Authorization Advanced More Info... Payment Denominations

Description  
DataCandy

Authorization Required

- ☐ No Authorization
- ☐ Member/VIP Auth.
- ☐ Credit Card Auth.
- ☐ Front Desk Auth.
- ☐ Debit Card
- ☒ Custom
- ☐ Gift Card (third party)
- ☐ External Authorization

Payment Options

- ☒ Sale Auth (No PreAuth)
- ☐ No Pre-Auth Settle Check
- ☐ Disable Cash Drawer Opening
- ☐ Allow Retip
- ☒ Force Tender Settlement
  - ☐ Show Calculated Tendered Amt.
- ☐ Is Bank Deposit Item (non-EFT)
- ☐ Ask For Cashback
- ☐ Ask For Tip/Change
- ☐ Transaction Force Tender

Edit New Cancel Save < > Find Exit

On the Advanced Tab.

Do not ask for swipe checked **OFF**.

Do not show in POS payment list checked **OFF**.

Allow Voids checked **ON**.

There is the section Custom DLL.

Click in the button on the right side of the box to browse and select the plugin DLL (DataCandy.DLL)

**SAVE** the changes

## Advanced Tab Configurations

The screenshot shows the 'Methods of Payment' configuration window for 'DataCandy' in the year '2006'. The 'Advanced' tab is selected. The window contains several input fields and checkboxes. A red box highlights the 'Custom DLL' section, which includes a text field containing 'DataCandy.dll' and a 'Setup' button. Other checkboxes include 'Is Currency?', 'Always Print on Receipt', 'Do not ask for swipe', 'Do not ask for Expiry Date', 'Ask for CVV on manual entry', 'Applies to internal member gift cards only', 'Do not show in POS payment list', 'Prompt for Payment Note', 'Allow Voids' (checked), 'Do not show in Gift Card list', and 'Ask for Signature on the POS'. The bottom of the window has buttons for 'Edit', 'New', 'Cancel', 'Save', navigation arrows, 'Find', and 'Exit'.

Methods of Payment

Active Record  
2006

General Authorization Advanced More Info... Payment Denominations

Accounting Code

Tip Accounting Code

Min Value

Max Value

Printed Card Number Format  
Default

Custom DLL  
DataCandy.dll

Setup

☐ Is Currency?

☐ Always Print on Receipt

☐ Do not ask for swipe

☐ Do not ask for Expiry Date

☐ Ask for CVV on manual entry

☐ Applies to internal member gift cards only

☐ Do not show in POS payment list

☐ Prompt for Payment Note

☒ Allow Voids

☐ Do not show in Gift Card list

☐ Ask for Signature on the POS

Edit New Cancel Save < > |< >| Find Exit

## DataCandy.DLL Configuration

Click in the button **Setup** to launch the configuration GUI.

The screenshot shows the 'Configuration' window for DataCandy. It contains several input fields: 'Merchant Identifier' (filled with '#'), 'Domain Name' (filled with 'Domain'), 'Merchant Password' (filled with '\*\*\*\*\*'), 'Unique Key for Client/Access Key' (filled with '\*\*\*\*\*'), 'Language' (a dropdown menu showing 'English' with a UK flag), and 'Version' (filled with '2010-01-06'). There is also an unchecked checkbox for 'Log Request/Response'. At the bottom, there are buttons for 'Show characters', 'Save', and 'Close'. The DataCandy logo is on the left side of the window.

Configuration

datacandy

Merchant Identifier  
#

Domain Name  
Domain

Merchant Password  
\*\*\*\*\*

Unique Key for Client/Access Key  
\*\*\*\*\*

Language  
English

Version  
2010-01-06

☐ Log Request/Response

Show characters Save Close

Definition of configuration fields

**Merchant Identifier:** It is the ID of the Merchant for the account, supplied by DataCandy.

**Domain Name:** It is domain URL to access DataCandy services for a given account.

**Merchant Password:** The password assigned to the Merchant account.

**Unique Key for Client:** A key used by the Merchant as part of their credentials to access DataCandy services.

**Language:** Provides options to switch language used in all GUI's between English and French.  
Note: selecting French all messages visible to the POS will be in French

**Log Request/Response:** If enabled, requests from Pixel and responses content received from DataCandy will be logged and save in files at C:\PIXELPOS\Interface\DataCandy.  
Enable this check box for troubleshooting of DataCandy transactions See Sample logging at the end of this document

**Merchant Password** and **Unique Key for Client** are encrypted using AES. The button **Show characters** allows to switch between hiding and showing the characters of the encrypted fields.

Click on the button **SAVE** to save the changes.

## Form Designer Configuration

Go to BackOffice => Point of Sale => Form Designer  
Select either an Order or a Finish form that is to be used.

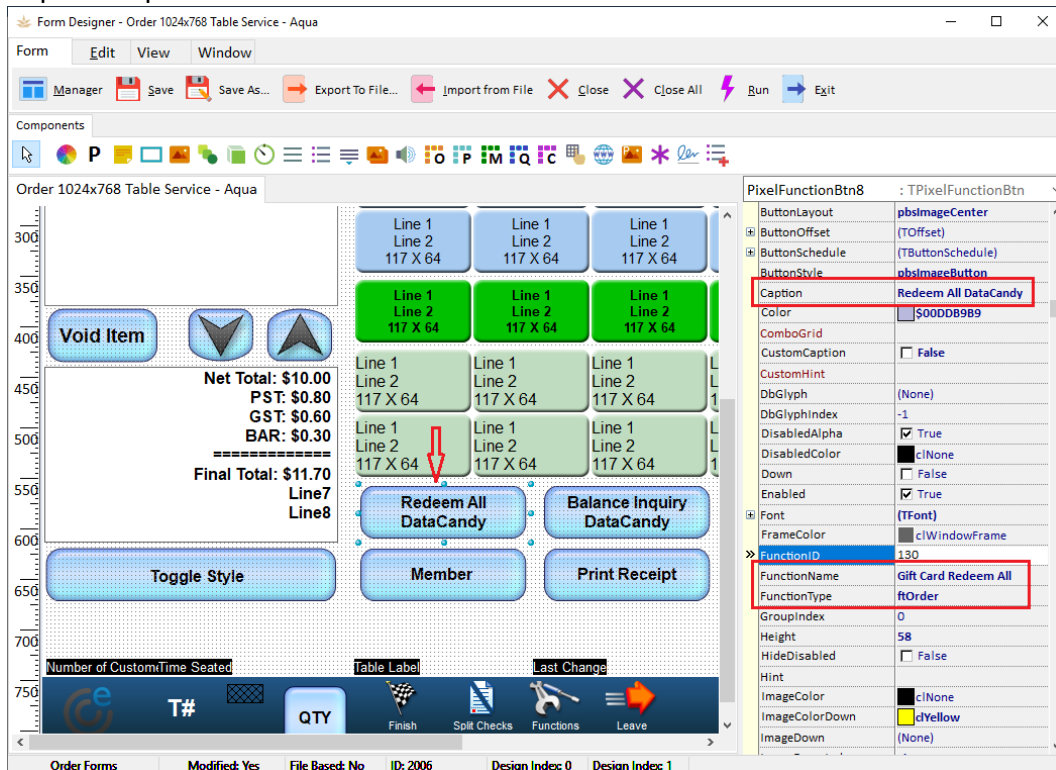
Drop two controls of the type TPixelFunctionBtn in the form.

Assign one of the buttons the following properties.

FunctionType: Select ftOrder from the list.

FunctionName: Select Gift Card Redeem All from the list.

Caption: Up to the user.



Assign the other button the following properties.

FunctionType: Select ftOrder from the list.

FunctionName: Select Balance Inquiry from the list.

Caption: Up to the user.



**Initial Release 05/11/2020**

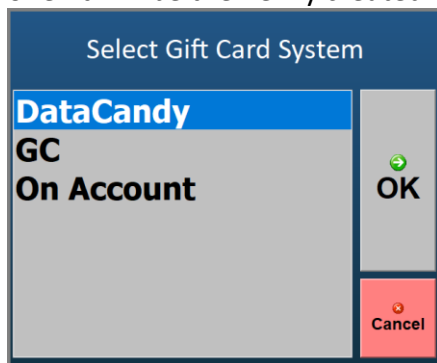
## POS Operations

The following is the list of Gift Card operations supported by the integration.

- ✓ Activation/Issue and Increment/Reload
- ✓ Redeem
- ✓ Activation, Increment and Redeem with multiple cards
- ✓ Cancellation of Activation, Increment and Redeem
- ✓ Cash Remittance
- ✓ Balance
- ✓ Settle Batch
- ✓ Activation/Issue and Increment/Reload

### *Issue/Reload a Gift Card*

Create a check and go to the Finish Form. Click on the button **Gift Card**. The Gift Card Wizard will open. If there are more than one Gift Card services a dialog will prompt the user to pick one. It will be the newly created Method of Payment called **DataCandy** in this case



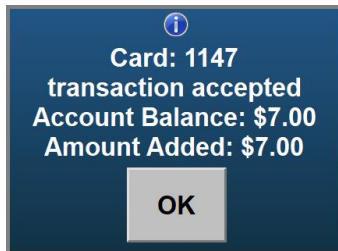
Follow all three steps.

1. select the Amount of money that is going to be deposited in the card.
2. select whether the operation to perform is Issue (Activation) or Reload (Increment).
3. swipe or manually enter the card(s).

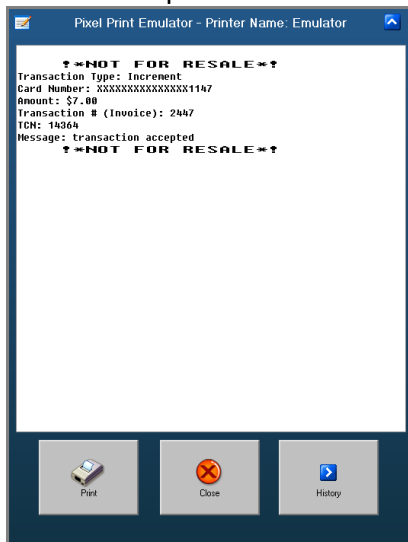
Value	Quantity
\$7.00	1

Click on the button **Finish**. The request is sent to DataCandy.

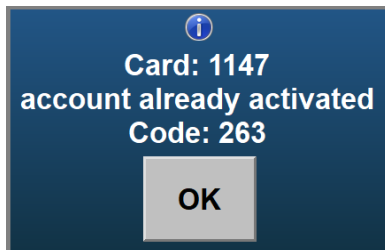
If approved, a message will inform the transaction was accepted, the last 4 digits of the card, the new balance on the card, and how much money was added the card.



There is a report with the details.



If declined, a message will show whatever error description and error code DataCandy sends back.



**NOTE:** if the card has never been used before use the 'ISSUE' button to load money on to the card. You only need to 'ISSUE' a card once. If the card has already been issued then use the 'RELOAD' button to add money. If the user selects the wrong method to load money, they will be informed by the on-screen message to use the other button to load money.

## Redeem a Gift Card

The screenshot shows a POS system interface. At the top, it says "1 Test Prod 5" and "\$5.00". Below this, there's a "Payments..." button and a "Divide By" button. A numeric keypad is visible, with the "3" button highlighted. To the right of the keypad, there's a list of payment methods: "Payment", "EMV US", "GC", "Orderlord", "EMV US Gift", and "DataCandy". The "DataCandy" option is selected. Below the keypad, there's a button labeled "Apply DataCandy". On the left side, there's a "Void Item" button and a "Net Total: \$5.00" / "Final Total: \$5.00" display. At the bottom, there's a "Dine-IN" button, a "No Tax" button, and a "Next \$" button. The bottom status bar shows "# of Cust: 1", "Time Seat: 4:09:02 PM", and "Server: Supervisor".

From the finish form select the DataCandy Payment Method and apply it. The user is prompted to swipe or manually enter the DataCandy gift card.

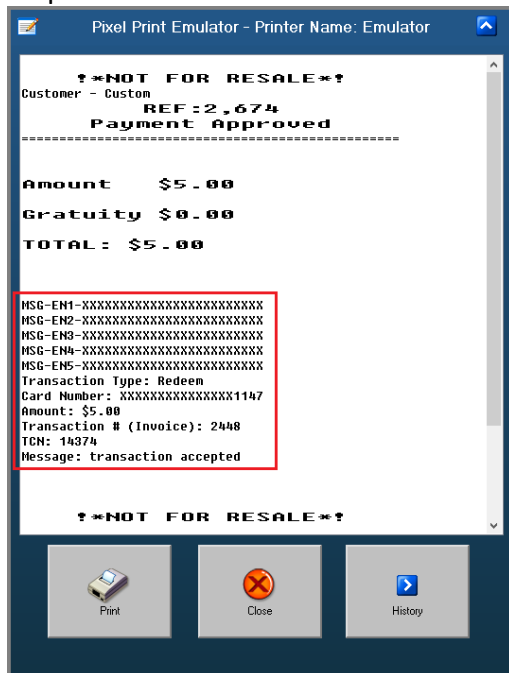
The screenshot shows a "Swipe Card" screen. It features the DataCandy logo on the left. On the right, there's a button labeled "Manual Card Entry" and a red "Cancel" button below it.

The request is sent to DataCandy.

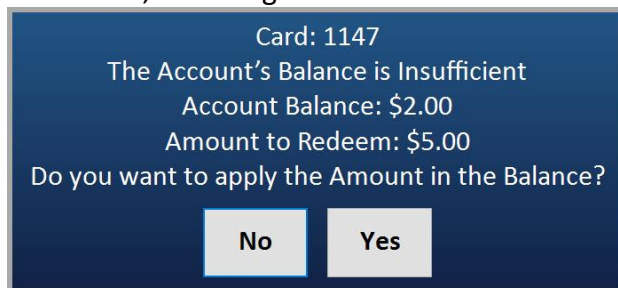
If approved, a message will inform the transaction was accepted. Displayed will be the last 4 digits of the gift card used, the new balance on the card and how much money was redeemed.

The screenshot shows a confirmation message screen. It displays the following information: "Card: 1147", "transaction accepted", "Account Balance: \$2.00", and "Amount Redeemed: \$5.00". There is an "OK" button at the bottom.

A Data Candy receipt will print with the results of the transaction. If the variable EMV\_PRINTOUT is present in the Auth slip layout, printing lines received from DataCandy will be printed.



If declined, a message will show the reason and error code DataCandy returns to the POS.



If the current balance is insufficient to pay the full order, the user can choose to partially pay by applying the remaining amount balance from the gift card. The unpaid balance will require a different form of payment to close the check

### Issue/Reload Multiple Gift Cards

Using the Gift Card Wizard, the user can Activate and increment multiple cards. Create a check and open the gift card wizard from the Finish Form.

From the issue/reload examples above multiple gift cards can be used all at once. Each card will be Issued or Reloaded with the amount entered.

Note: each card loaded will all have the same monetary value loaded

**Sell Gift Cards**

Select Amount: **\$6.00** Enter Amount

1 10 20 25 50 100

2 Issue Reload

3 Manual Enter OR Swipe Card(s)

Summary

Value	Quantity
\$6.00	3

Value: \$18.00 Quantity: 3

Restore Save Detail Cancel Finish

Click on the button **Finish**. There will be a message showing the result of the request for each card.

Card: 1147  
transaction accepted  
Account Balance: \$12.00  
Amount Added: \$6.00  
OK

Card: 9261  
transaction accepted  
Account Balance: \$22.00  
Amount Added: \$6.00  
OK

Card: 4945  
transaction accepted  
Account Balance: \$27.00  
Amount Added: \$6.00  
OK

To redeem multiple cards, proceed as would be the case for any multipayment transaction

### *Canceling a Gift Card Transaction Entry (Issue/Reload/Redeem)*

To cancel any DataCandy entries go to the Transaction Viewer. The user can cancel payments on both open and closed transactions.

Click on either the button **Show Open Transactions** or **Show Closed Transactions** while the Tab **Transactions** is selected.

The screenshot shows the Transaction Viewer interface. On the left is a sidebar with navigation tabs: Transactions (selected), Member/Deliveries, Rated, Revenue Centres, Internet Orders, Table Statistics, and Future Orders. The main area displays a table of transactions with columns: Trans #, Label, # of Customers, Table Number, Net Total, Final Total, Who Served, and Who Served. Transaction 2455 is highlighted in red. Below the table, the 'Transaction Details' section shows payment information for transaction 2455, including the date, time, tender, change, pay method, reference #, and voided status. At the bottom, there are buttons for 'Show Open Transactions', 'Show Closed Transactions', 'Show Closed by Date Range', 'Print Receipt', 'Unclose by #', 'Print Receipt by #', 'All Types', 'Member Delivery', 'Page Up', and 'Page Down'.

Trans #	Label	# of Customers	Table Number	Net Total	Final Total	Who Served	Who Served
2455		1	30001	\$18.00	\$18.00	Supervisor	Supervisor
2454		1	30001	\$27.00	\$27.00	Supervisor	Supervisor
2453		0	30001	\$0.00	\$0.00	Supervisor	Supervisor
2452		0	30001	\$0.00	\$0.00	Supervisor	Supervisor
2451		0	30001	\$0.00	\$0.00	Supervisor	Supervisor
2450		0	30001	\$0.00	\$0.00	Supervisor	Supervisor
2449		1	30001	\$5.00	\$5.00	Supervisor	Supervisor
2448		1	30001	\$5.00	\$5.00	Supervisor	Supervisor
2447		0	30001	\$0.00	\$0.00	Supervisor	Supervisor
2446	Brian Adams	1	30001	\$12.00	\$12.00	Dispatcher	Dispatcher
2439	Brian Adams	1	30001	\$22.00	\$22.00	Dispatcher	Dispatcher
2440	John Doe	1	30001	\$22.00	\$22.00	Dispatcher	Dispatcher
2436		1	30001	\$31.55	\$31.55	Supervisor	Supervisor
2435		0	30001	\$0.00	\$0.00	Supervisor	Supervisor
2434		0	30001	\$0.00	\$0.00	Supervisor	Supervisor
2433		1	30001	\$15.55	\$15.55	Supervisor	Supervisor

Both Activations and Increments will appear as negative entries while Redeems will appear as positive entries. Select the payment entry and click on the button Void to cancel it.

For closed transactions the user is asked to confirm un-close order first.

A confirmation dialog box with a blue background and a question mark icon. The text reads: "Are you sure you want to Un-Close Trans# 2455". Below the text are two buttons: "Yes" and "No".

Then to enter the table the check will be assigned to after un-close. Select a table that is not already in use

A final confirmation.

A confirmation dialog box with a blue background and a question mark icon. The text reads: "Credit Void Are you sure?". Below the text are two buttons: "Yes" and "No".

Then the information on the result of the request.

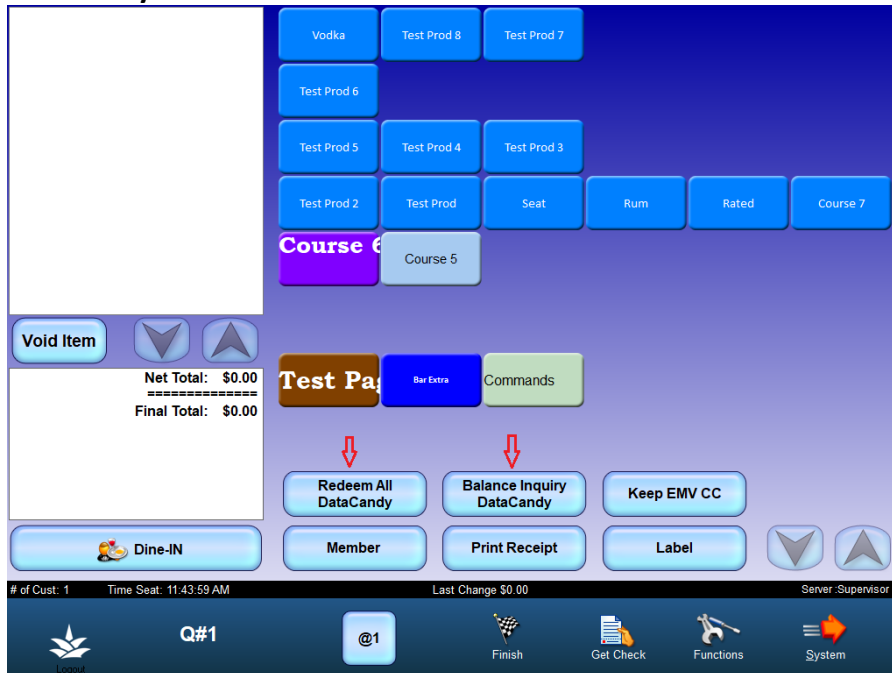
The user has the option to start using the transaction by clicking Yes to the following prompt.

A confirmation dialog box with a blue background and a question mark icon. The text reads: "Would you like to use this Transaction now?". Below the text are two buttons: "Yes" and "No".

## Cash Remittance

Cash remittance is a function where by the balance on the gift card is wiped out and the money from that gift card is returned to the guest

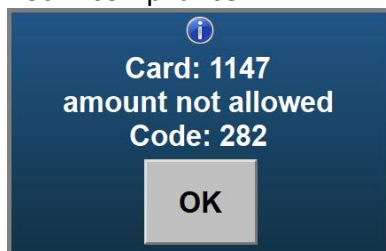
Create an order or open an existing one. Click in the button captioned as **Redeem All DataCandy** and select the Gift Card method if needed.



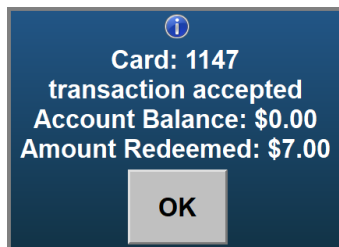
Next swipe the gift card.

Different localities have regulations in place restricting the amount that can be returned to the guest when a cash remittance is processed.

The DataCandy service will check those regulations and sends a message back if the request is not in compliance.



Or will show the amount approved and the remaining balance otherwise.

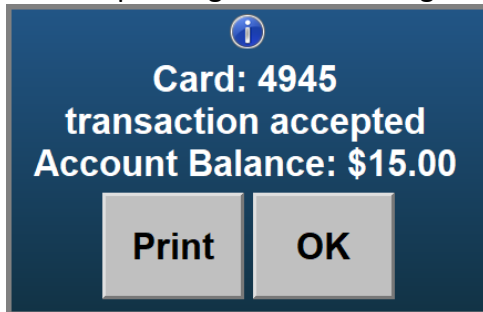




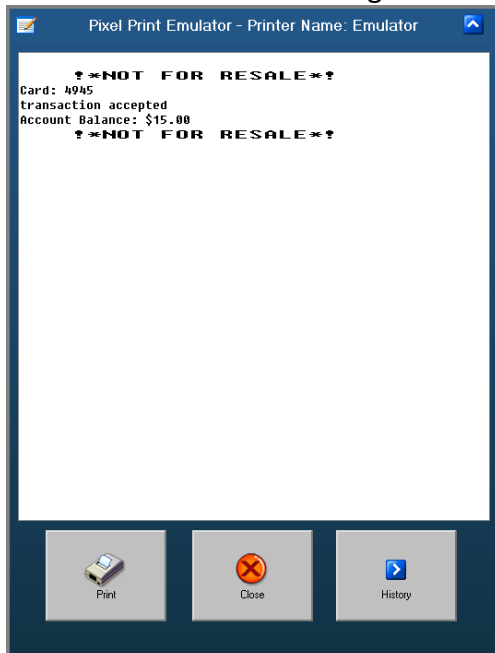
### *Balance Inquiry*

Create an order or open an existing one. Click in the button captioned as **Balance Inquiry DataCandy** and select the Gift Card method if needed.

Next swipe the gift card. A dialog will show the current balance for the card.



Click on the button **Print** to get balance details printed.



### *Settle Batch*

On settle batch the POS will bypass the Method of Payment named **DataCandy** and will approve it always.

Click on the button **Settle Batch** on the EOD screen, if active.

The POS will return



### *Sample Request/Response Logging*

Event Time: 1:57:22 PM Wednesday, April 8, 2020

Request from Pixel

<Authorization>

<GiftOperationType>3</GiftOperationType>

<CardNum>63608\*\*\*\*\*1147</CardNum>

<TransNum>2175</TransNum>

<MethodNum>2006</MethodNum>

</Authorization>

=====

Event Time: 1:57:26 PM Wednesday, April 8, 2020

Response from DataCandy

MID=974482

PRG=ppd

TRX=bal

WSN=1

WAN=Unknown

CTM[0]=MSG-EN1-XXXXXXXXXXXXXXXXXXXXXXX

CTM[1]=MSG-EN2-XXXXXXXXXXXXXXXXXXXXXXX

CTM[2]=MSG-EN3-XXXXXXXXXXXXXXXXXXXXXXX

CTM[3]=MSG-EN4-XXXXXXXXXXXXXXXXXXXXXXX

CTM[4]=MSG-EN5-XXXXXXXXXXXXXXXXXXXXXXX

TCN=10425

CID=63608\*\*\*\*\*1147

AID=29

BAL=0.00

BLT=0.00

LNG=en

RES=1

MSG=transaction accepted