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CCQ-FM INTERGRATION / FUNCTION GUIDE

Setup and programming instructions for CCQ-FM



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Installation

CCQ-FM requires FileMaker Pro version 8 and above.

Installation of CCQ-FM is easy...

The first step is to setup your merchant account with True-Data Merchant Services.

Then come back to our site and purchase the product. At time of purchase you will enter your Merchant Account Name, the Group #, Orbital Connection User Name and Orbital Connection Password.

Once purchased you will receive the following items:

- CCQ-FM.fp7 File
 - Install with your solution files
 - If hosting with FileMaker Server, use the Upload Database function in the Admin Console to upload the file.
- CCQ-FM Configuration Document
 - Contains your Merchant Account Name, Group # and CCQ-FM license code
- SmartPill Plug-in – PHP.fmx¹
 - Installed in the Extensions Folder of each workstation that will be used to process transactions
- PHP Support² – Folder
 - Installed in the Extensions Folder of each workstation that will be used to process transactions³
- Parameter Genetrator DB
 - A tool created to easily build the parameter string using fields from your solution

¹ Plug-ins are installed on each workstation that will be processing charges.

² PHP Support Folder is installed on each workstation that will be processing charges.

³ Windows: C:\Program Files\FileMaker\Filemaker Version\Extensions
Macintosh: Macintosh HD:Applications:FilemakerVersion:Extensions



Functions

TestMode – all functions can be run in test mode.

You will substitute the word TEST in place of your groupNbr. This is case sensitive.

Authorize Only - transType: Auth

Authorizes the supplied information, but does NOT create a settlement item. This transaction type should be used for deferred billing transactions. Any transactions approved in this manner must be marked for capture in order to be settled. This can be done in the Virtual Terminal manually or via a Mark for Capture transaction.

Send Parameters:

Required

- groupNbr ; transType ; orderID ; cardNum ; expDate ; amount

Optional:

- nameOnCard , CVV , retryTrace , zip , customerRefNum* , countryCode , address1 , address2 , city , state , comments

Response Parameters:

- approval status , authorization code , txrefnum , txrefidx , respdatetime , card brand , avs resp code , avs Code Message , cvvRespCode , cvv resp message , respCode , respCodeMessage

Authorization and Capture (Sale) – transType: AuthCap

The most frequently used transaction type. Authorize the supplied information and mark it as captured for next settlement cut. This transaction should be used for immediate fulfillment.

Send Parameters:

Required

- groupNbr ; transType ; orderID ; cardNum ; expDate ; amount

Optional:

- nameOnCard , CVV , retryTrace , zip , customerRefNum* , countryCode , address1 , address2 , city , state , comments

Response Parameters:

- approval status , authorization code , txrefnum , txrefidx , respdatetime , card brand , avs resp code , avs Code Message , cvvRespCode , cvv resp message , respCode , respCodeMessage

Refund – transType: Refund

Creates a refund based on the supplied data. Use Credit to return partial or full amount from original transaction. Credit does require the txRefNum to reference the original transaction.

Send Parameters:

Required

- groupNbr ; transType ; orderID ; cardNum ; expDate ; amount

Optional:

- nameOnCard , CVV , retryTrace , zip , customerRefNum⁵ , countryCode , address1 , address2 , city , state , comments

Response Parameters:

- approval status , authorization code , txrefnum , txrefidx , respdatetime , card brand , avs resp code , avs Code Message , cvvRespCode , cvv resp message , respCode , respCodeMessage

⁵ customerRefNum – is mandatory if processing a profile transaction



Functions (Continued)

Credit - transType: Credit

Used to reverse a previous transaction. You can credit all or part of the original amount charged.

Send Parameters:

Required

- groupNbr ; transType ; txRefNum

Optional:

- Amount – Only required if you want to credit less than the full amount of previous transaction. If left blank the full amount of previous transaction is credited.

Response Parameters:

- approval status, authorization code, txrefnum, txrefidx, respdatetime, card brand, avs resp code, avs Code Message, cvvRespCode, cvv resp message, respCode, respCodeMessage

Force Capture - transType: MarkForCapture

transactions do not generate new authorizations. A good response simply indicates that the request has been properly posted. The Orbital Gateway will settle the captured force during the next settlement event.

Send Parameters:

Required

- groupNbr ; transType ; txRefNum ; orderID ; amount

Response Parameters:

- approval status, authorization code, txrefnum, txrefidx, amount, respdatetime, proc status, proc status message

Profile Add - transType: ProfileAdd

Used to create a profile to store the card data with the Orbital Gateway.

Send Parameters:

Required

- groupNbr ; transType ; cardNum ; expDate

Optional:

- customerRefNum⁶, customerName, zip , countryCode, address1, address2, city, state

Response Parameters:

- customerRefNum, profileAction , procStatus, procStatusMessage

⁶ left blank will be generated by Orbital or you can send your own number. This becomes the Profile ID and is use for Profile updates and Profile transactions (Alpha/Numeric only)



Functions (Continued)

Profile Update - **transType: ProfileUpdate**

Used to create a profile to store the card data with the Orbital Gateway.

Send Parameters:

Required

- groupNbr ; transType ; cardNum ; expDate ; customerRefNum

Optional:

- customerName, zip , countryCode, address1, address2, state, city

Response Parameters:

- customerRefNum, profileAction , procStatus, procStatusMessage

Note: Blank values will be ignored. To clear an existing value, send a tilde ~ character

Profile Delete - **transType: ProfileDelete**

Used to delete a profile on the Orbital Gateway.

Send Parameters:

Required

- groupNbr ; transType ; customerRefNum

Response Parameters:

- profileAction , procStatus, procStatusMessage

Profile Retrieval - **transType: ProfileRetrieval**

Returns all information stored in a profile.

Send Parameters:

Required

- groupNbr ; transType ; cardNum ; expDate ; customerRefNum

Response Parameters:

- custRefNum, profileAction , procStatus, procStatusMessage, customerName, Address, Address2, City, State, Zip, Phone, cardNum, expDate

Test Card - **transType: TestCard**

Returns the Card Brand. No information is sent outside CCQ-FM

Send Parameters:

Required

- transType ; cardNum ; expMth ; expYr

Response Parameters:

- Problem



Response Parameters Descriptions

approval status:

- 0 Declined
- 1 Approved
- 2 Message/System Error

authorization code:

- Issuer Approval Code. Unique transactional-level code issued by the bank or service establishment for approvals

txrefnum: Gateway Transaction Reference Number

- A unique value for each transaction, which is required to adjust any transaction in the Gateway (such as Mark for Capture or Void).

txrefidx: Gateway Transaction Index

- Used to identify the unique components of transactions adjusted more than one time.
- Required on Void transactions.

respdatetime: Date/Time the Transaction was Processed by Gateway

- Format: YYYYMMDDhhmmss

card brand: Card Type/Brand for the Transaction

avs resp code:

Cardholder Billing Address Zip Code. Returns a code which is described in avs Code Message

- All AVS Requests must minimally include the 5-digit Zip Code.
- If sending Zip Code + 4, please separate with a hyphen (-).

avs Code Message: AVS Response Code Values

9 = Zip Match/Zip4 Match/Locale match
A = Zip Match/Zip 4 Match/Locale no match
B = Zip Match/Zip 4 no Match/Locale match
C = Zip Match/Zip 4 no Match/Locale no match
D = Zip No Match/Zip 4 Match/Locale match
E = Zip No Match/Zip 4 Match/Locale no match
F = Zip No Match/Zip 4 No Match/Locale match
G = No match at all
H = Zip Match/Locale match
X = Zip Match/Zip 4 Match/Address Match
Z = Zip Match/Locale no match



Response Parameters Descriptions

cvv resp code:

Conditional on card verification request being sent. CVV request response code values are described in cvv resp message

cvv resp message: CVV request response code values

M = CVV Match

N = CVV No match

P = Not processed

S = Should have been present

U = Unsupported by issuer/Issuer unable to process request

I = Invalid

Y = Invalid

proc status: 0 = Success

Result Status of Profile Management - Communicates the success or failure of a Profile Management request. All other values constitute an error condition and will be returned in procStatusMessage

procStatusMessage: Text Message Associated with procStatus Value

resp code:

Normalized authorization response code issued by the host system which identifies an approval (00) or the reason for a decline or error.

resp Code Message: Text Message Associated with respCode