Binary Folder

Application Programming Interface (API)

Manual

PROGRAMMING INTERFACE MANUAL

Overview

This document defines the Application Programming Interface (API) for the Binary Folder website. This document explains how to send transactions to Binary Folder.com to be processed by your website. A response message will be sent back with the result of the transaction. You should be familiar with the basics of HTML and PHP.

Payment Method

The payment mode for every transaction is Credit card.

POST to the gateway – URL

To send an SSL Secure POST to the gateway, the following URL is the address for the POST:

*https://www.binaryfolder.com/crm/api/auth.php*

**Processing Modes**

The following are the definitions for the valid Processing Modes acceptable for transaction method requests:

|  |  |  |
| --- | --- | --- |
| **Processing Mode** | **Description** |  |
|  |  |  |
|  | It only confirms that the card exists and that funds are available at the time |  |
| Sale | of Authorization to cover a purchase amount. And Instantly Captures the amount from that card. |  |
|  | For a **void** sale request, a valid Transaction Number from a former sale |  |
|  | request is required. The amount to be voided must be the exact amount of |  |
| Void | the sale amount. Sale transactions will normally expire within 10 to 30 days |  |
| depending on the issuing bank. Voiding a Preauthorized transaction |  |
|  |  |
|  | releases the authorized amount to the cardholder’s card applied against |  |
|  | their credit limit. |  |
|  | To post a **refund** request, a valid Transaction Number from a former |  |
|  | Capture or Purchase (sale) transaction is required. It is only possible to |  |
| Refund | credit an amount less than or equal to the initial transaction using the same |  |
|  | currency as with the original transaction. A Refund is listed separately on |  |
|  | the cardholder’s card statement. |  |
|  |  |  |

**1. POST to the Gateway – AUTHORIZE/SALE**

Authorize/Sale Messages are sent to the Gateway POST URL with the following fields contained in the message. The gateway uses the standard HTML POST method to retrieve the message and to process the message request. The following are the fields that the gateway sends to your web site:

|  |  |  |
| --- | --- | --- |
|  | **REQUEST MESSAGE FORMAT** |  |
|  |  |  |  |
| Field Name | Required | Description |  |
|  |  |  |  |
|  |  |  |  |
| ssl | Y | If your website is ssl certified please keep the value as true . |  |
| id | Y | The merchant ID provided |  |
| key | Y | The API key provided. |  |
| first\_name | Y | Customer’s first name |  |
| last\_name | Y | Customer’s last name |  |
| email | Y | Customer’s email address |  |
|  |  |
| address | Y | Customer’s billing address for their card |  |
| city | Y | Customer’s billing city for their card |  |
|  |  |
| state | Y | Customer’s billing state for their card |  |
|  |  |
| country | Y | Customer’s billing country for their card |  |
|  |  |
| zip | Y | Customer’s billing zip code for their card |  |
|  |  |
| phone | Y | Customer’s phone number |  |
|  |  |
| product | Y | Product name |  |
|  |  |
|  | Y | Amount to be charged in currency format with dollar |  |
| amount | sign and commas removed. |  |
|  |  |
|  |  |
|  |  |  |  |

**2. Response From The gateway**

The following are the fields that the gateway Post back back as the response of any particular transaction.

|  |  |  |
| --- | --- | --- |
|  |  | **RESPONSE MESSAGE** |
|  |  |  |
| Field Name | Required | Description |
|  |  |  |
| status | Y | The outcome of the transaction. |
|  |  |  |
| Reference Number | Y | It is the number that bank assigns to transaction for  Identification Purposes |
|  |  |  |
| Authorization Number | Y | The response number or error code from the card bank that serves as proof of authorization. |
|  |  |  |
| Invoice Number | Y | The unique value that binaryfolder automatically generates and assign to the transaction for identification purposes. |
|  |  |  |
|  |  |  |

**1. POST to the Gateway – Refund/Void**

Refund/Void Messages are sent to the Gateway POST URL with the following fields contained in the message. The gateway uses the standard HTML POST method to retrieve the message and to process the message request. The following are the fields that the gateway sends to your web site:

|  |  |  |
| --- | --- | --- |
|  | **REQUEST MESSAGE FORMAT** |  |
|  |  |  |  |
| Field Name | Required | Description |  |
|  |  |  |  |
|  |  |  |  |
| ssl | Y | If your website is ssl certified please keep the value as true . |  |
| id | Y | The merchant ID provided |  |
| key | Y | The API key provided. |  |
|  |  |  |  |
| Redirect\_url | N | The URL of the webpage where you want response to be post back from our server. If not than leave it blank. |  |
|  |  |  |  |
| transaction\_id | Y | The Reference Number that you are provided in response from our gateway |  |

**2. Response From The gateway**

The following are the fields that the gateway Post back back as the response of any particular transaction.

|  |  |  |
| --- | --- | --- |
|  |  | **RESPONSE MESSAGE** |
|  |  |  |
| Field Name | Required | Description |
|  |  |  |
| status | Y | The outcome of the transaction. |
|  |  |  |
| Reference Number | Y | It is the number that bank assigns to transaction for  Identification Purposes |
|  |  |  |
| Authorization Number | Y | The response number or error code from the card bank that serves as proof of authorization. |
|  |  |  |
| Invoice Number | Y | The unique value that binaryfolder automatically generates and assign to the transaction for identification purposes. |
|  |  |  |
|  |  |  |

**State Codes**

The following are the State codes and their associated symbols that are acceptable as defined by the United States Post Office.

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **State** | **Code** | **State** |
| AL | Alabama | MO | Missouri |
| AK | Alaska | MT | Montana |
| AS | American Samoa | NE | Nebraska |
| AZ | Arizona | NV | Nevada |
| AR | Arkansas | NH | New Hampshire |
| CA | California | NJ | New Jersey |
| CO | Colorado | NM | New Mexico |
| CT | Connecticut | NY | New York |
| DE | Delaware | NC | North Carolina |
| DC | District Of Columbia | ND | North Dakota |
| FL | Florida | OH | Ohio |
| GA | Georgia | OK | Oklahoma |
| HI | Hawaii | OR | Oregon |
| ID | Idaho | PA | Pennsylvania |
| IL | Illinois | RI | Rhode Island |
| IN | Indiana | SC | South Carolina |
| IA | Iowa | SD | South Dakota |
| KS | Kansas | TN | Tennessee |
| KY | Kentucky | TX | Texas |
| LA | Louisiana | UT | Utah |
| ME | Maine | VT | Vermont |
| MD | Maryland | VA | Virginia |
| MA | Massachusetts | WA | Washington |
| MI | Michigan | WV | West Virginia |
| MN | Minnesota | WI | Wisconsin |
| MS | Mississippi | WY | Wyoming |
| CODE | Military State/Territory | CODE | Military State/Territory |
| AE | Armed Forces Africa | AS | American Samoa |
| AA | Armed Forces Americas | FM | Federated States Of Micronesia |
|  | (Except Canada) |  |  |
| AE | Armed Forces Canada | GU | Guam |
| AE | Armed Forces Europe | MH | Marshall Islands |
| AE | Armed Forces Middle East | MP | Northern Mariana Islands |
| AP | Armed Forces Pacific | PW | Palau |
|  |  | PR | Puerto Rico |
|  |  | VI | Virgin Islands |

**Country Codes**

The following are the Country codes and their associated symbols that are acceptable.

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Country** | **Code** | **Country** |
| AC | Ascension Island | LA | Laos |
| AD | Andorra | LB | Lebanon |
| AE | United Arab Emirates | LC | Saint Lucia |
| AF | Afghanistan | LI | Liechtenstein |
| AG | Antigua and Barbuda | LK | Sri Lanka |
| AI | Anguilla | LR | Liberia |
| AL | Albania | LS | Lesotho |
| AM | Armenia | LT | Lithuania |
| AN | Netherlands Antilles | LU | Luxembourg |
| AO | Angola | LV | Latvia |
| AQ | Antarctica | LY | Libya |
| AR | Argentina | MA | Morocco |
| AS | American Samoa | MC | Monaco |
| AT | Austria | MD | Moldova |
| AU | Australia | ME | Montenegro |
| AW | Aruba | MG | Madagascar |
| AZ | Azerbaijan | MH | Marshall Islands |
| BA | Bosnia and Herzegovina | MK | Macedonia |
| BB | Barbados | ML | Mali |
| BD | Bangladesh | MM | Myanmar |
| BE | Belgium | MN | Mongolia |
| BF | Burkina Faso | MO | Macau |
| BG | Bulgaria | MP | Northern Mariana Islands |
| BH | Bahrain | MQ | Martinique |
| BI | Burundi | MR | Mauritania |
| BJ | Benin | MS | Montserrat |
| BM | Bermuda | MT | Malta |
| BN | Brunei Darussalam | MU | Mauritius |
| BO | Bolivia | MV | Maldives |
| BR | Brazil | MW | Malawi |
| BS | Bahamas | MX | Mexico |
| BT | Bhutan | MY | Malaysia |
| BV | Bouvet Island | MZ | Mozambique |
| BW | Botswana | NA | Namibia |
| BY | Belarus | NC | New Caledonia |
| BZ | Belize | NE | Niger |
| CA | Canada | NF | Norfolk Island |
| CC | Cocos (Keeling Islands) | NG | Nigeria |
| CF | Central African Republic | NI | Nicaragua |

|  |  |  |  |
| --- | --- | --- | --- |
| CG | Congo | NL | Netherlands, The |
| CH | Switzerland | NO | Norway |
| CI | Cote D'Ivoire (Ivory Coast) | NP | Nepal |
| CK | Cook Islands | NR | Nauru |
| CL | Chile | NU | Niue |
| CM | Cameroon | NZ | New Zealand |
| CN | China | OM | Oman |
| CO | Colombia | PA | Panama |
| CR | Costa Rica | PE | Peru |
| CU | Cuba | PF | French Polynesia |
| CV | Cape Verde | PG | Papua New Guinea |
| CX | Christmas Island | PH | Philippines |
| CY | Cyprus | PK | Pakistan |
| CZ | Czech Republic | PL | Poland |
| DE | Germany | PM | St. Pierre and Miquelon |
| DJ | Djibouti | PN | Pitcairn |
| DK | Denmark | PR | Puerto Rico |
| DM | Dominica | PT | Portugal |
| DO | Dominican Republic | PW | Palau |
| DZ | Algeria | PY | Paraguay |
| EC | Ecuador | QA | Qatar |
| EE | Estonia | RE | Reunion |
| EG | Egypt | RO | Romania |
| EH | Western Sahara | RS | Serbia |
| ER | Eritrea | RU | Russian Federation |
| ES | Spain | RW | Rwanda |
| ET | Ethiopia | SA | Saudi Arabia |
| FI | Finland | SB | Solomon Islands |
| FJ | Fiji | SC | Seychelles |
| FK | Falkland Islands (Malvinas) | SD | Sudan |
| FM | Micronesia | SE | Sweden |
| FO | Faroe Islands | SG | Singapore |
| FR | France | SH | St. Helena |
| FX | France, Metropolitan | SI | Slovenia |
| GA | Gabon | SJ | Svalbard and Jan Mayen Islands |
| GD | Grenada | SK | Slovak Republic |
| GE | Georgia | SL | Sierra Leone |
| GF | French Guiana | SM | San Marino |
| GG | Guernsey | SN | Senegal |
| GH | Ghana | SO | Somalia |
| GI | Gibraltar | SR | Suriname |
| GL | Greenland | ST | Sao Tome and Principe |
| GM | Gambia | SV | El Salvador |
| GN | Guinea | SY | Syria |
| GP | Guadeloupe | SZ | Swaziland |
| GQ | Equatorial Guinea | TC | Turks and Caicos Islands |

|  |  |  |  |
| --- | --- | --- | --- |
| GR | Greece | TD | Chad |
| GS | S. Georgia and S. Sandwich Isls. | TF | French Southern Territories |
| GT | Guatemala | TG | Togo |
| GU | Guam | TH | Thailand |
| GW | Guinea-Bissau | TJ | Tajikistan |
| GY | Guyana | TK | Tokelau |
| HK | Hong Kong | TM | Turkmenistan |
| HM | Heard and McDonald Islands | TN | Tunisia |
| HN | Honduras | TO | Tonga |
| HR | Croatia (Hrvatska) | TP | East Timor |
| HT | Haiti | TR | Turkey |
| HU | Hungary | TT | Trinidad and Tobago |
| ID | Indonesia | TV | Tuvalu |
| IE | Ireland | TW | Taiwan |
| IL | Israel | TZ | Tanzania |
| IM | Isle of Man | UA | Ukraine |
| IN | India | UG | Uganda |
| IO | British Indian Ocean Territory | UK | United Kingdom |
| IQ | Iraq | UM | US Minor Outlying Islands |
| IR | Iran | US | United States |
| IS | Iceland | UY | Uruguay |
| IT | Italy | UZ | Uzbekistan |
| JE | Jersey | VA | Vatican City State (Holy See) |
| JM | Jamaica | VC | Saint Vincent and The Grenadines |
| JO | Jordan | VE | Venezuela |
| JP | Japan | VG | Virgin Islands (British) |
| KE | Kenya | VI | Virgin Islands (US) |
| KG | Kyrgyzstan | VN | Viet Nam |
| KH | Cambodia | VU | Vanuatu |
| KI | Kiribati | WF | Wallis and Futuna Islands |
| KM | Comoros | WS | Samoa |
| KN | Saint Kitts and Nevis | YE | Yemen |
| KP | Korea (North) | YT | Mayotte |
| KR | Korea (South) | ZA | South Africa |
| KW | Kuwait | ZM | Zambia |
| KY | Cayman Islands | ZR | Zaire |
| KZ | Kazakhstan | ZW | Zimbabwe |