

## Activate

This command is used to activate a Gift or Merchandise card with an initial (non-zero) balance.

### Rules

GIFT parameter should be enabled to avoid receiving unsupported command response.

### Configuration Parameter

Following configuration parameters are associated with this command. Refer to [Application Parameters](#) table for more details on the parameters except *ValueLinkSupport*.

- ValueLinkSupport ([OptFlags Parameters](#))
- GIFTPAYTYPE
- GIFTPINREQD
- DEVICEPORT
- DEVICESSECONDPORT
- DEVICESSECONDPORTENABLED

### ACTIVATE (Message Interface)

The following tables provide corresponding device UI interactions, detailed protocol information, including field descriptions and examples.

#### Device UI Required

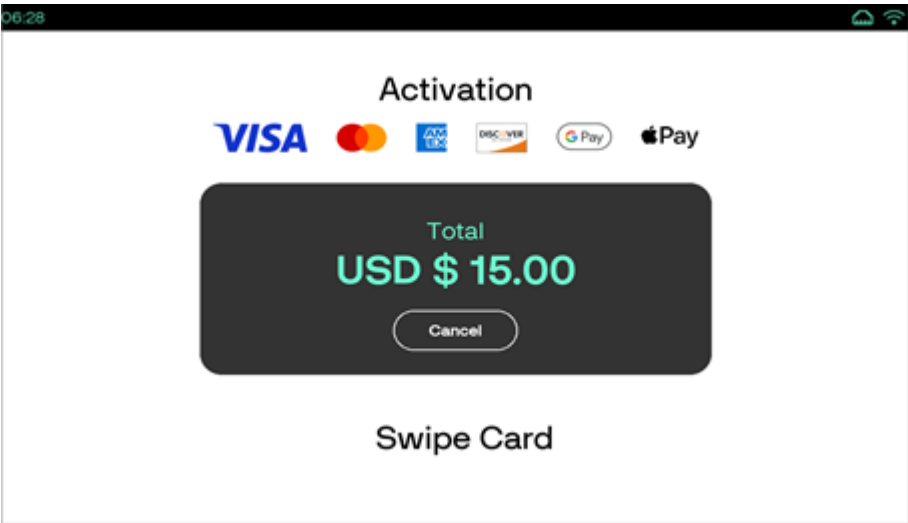
#### Note

Neo device (M450) is being used to capture screenshots for the Device UI Requirements section.

**Display**

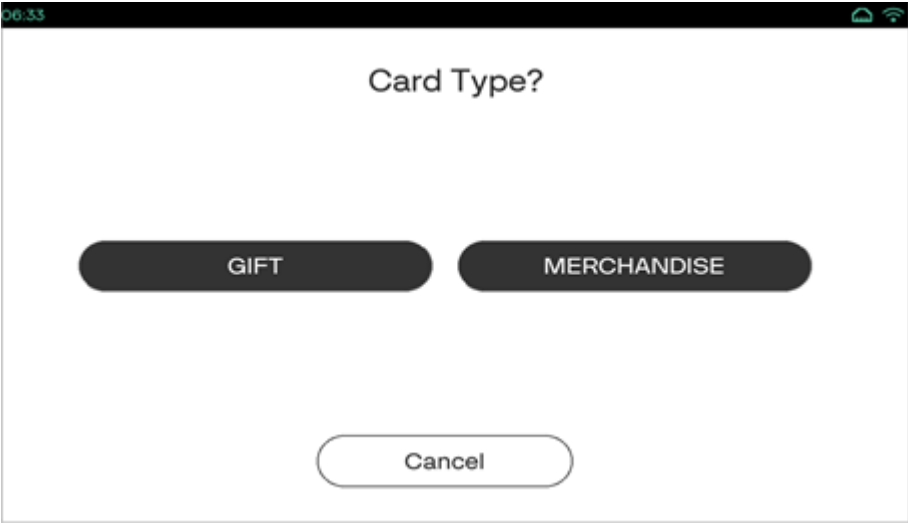
**User Action**

**Terminal Action**



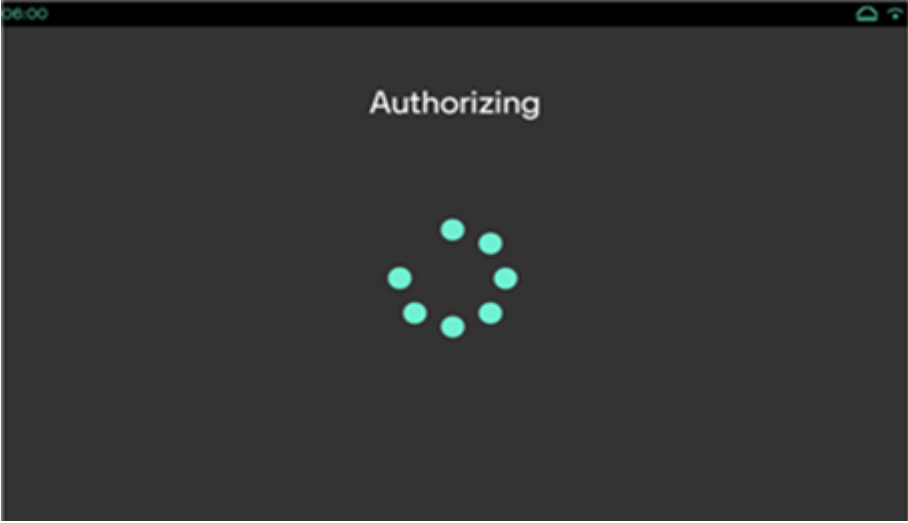
Use the card for performing a gift card activation.

The device displays card entry screen.



Select the card type

The device displays card type screen.



No action

The device displays authorizing screen for Activation.

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	
FUNCTION_TYPE	Required	Static value	N/A	N/A	PAYMENT	Type of fu

Field	Rule	Type	Minimum	Maximum	Value(s)	
COMMAND	Required	Static value	N/A	N/A	ACTIVATE	Command
PAYMENT_TYPE	Required	List	N/A	N/A	GIFT MERCH_CREDIT	Payment type <b>NOTE:</b> Payment type card token
PAYMENT_SUBTYPE	Optional	List	N/A	N/A		Payment subtype Credit. <b>Example:</b>
TRANS_AMOUNT	Required	Floating point number	1(2)	6(2)		Total transaction amount zero amount
MANUAL_ENTRY	Optional	Binary	N/A	N/A	TRUE FALSE	This field is set to TRUE if it is set to TRUE in the account device.
MANUAL_PROMPT_OPTIONS	Optional	Character	1	50	NOEXP	This field is set to TRUE. When TRUE, it is for expiration
ENCRYPT	Conditional	Binary	N/A	N/A	TRUE FALSE	This field is set to TRUE before passing the P2PE encryption as default value then the application as a value ADE/VSD
POS_RECON	Optional	Character	1	30		POS reconciliation echoed back to RetailPOS
BANK_USERDATA	Conditional	Character	1	50		Returned value back with the token string <b>Example:</b>
CARD_TOKEN	Conditional	Character	1	40		Card token and can be used for Way Card 798765432
TKN_RENEW	Conditional	Character		1	Valid value: 1	Application requesting publication
CASHIER_ID	Optional	Character	1	10		This indicates transaction

Field	Rule	Type	Minimum	Maximum	Value(s)
CAPTURECARD_EARLYRETURN	Optional	Binary	N/A	N/A	TRUE FALSE
EMV_TAGS_REQD	Character	Binary			Valid values: Y/N
CDD_DATA	Optional	Character	1	30	
COL_3, COL_4, COL_5, COL_6, COL_7, COL_8, COL_9, COL_10	Optional	Character	1	255	
INVOICE	Required	Character	1	40	
LANE	Optional	Numeric	1	8	

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This field  
**Example:**

Field	Rule	Type	Minimum	Maximum	Value(s)	
NOTIFY_SCA_EVENTS	Optional	Boolean			TRUE FALSE	<p>If this field is set to TRUE, the device broadcasts the device's IP address to the host as Unicast. This is applicable only as of POS_PORT 1.0. POS_PORT can be used as a flag for stopping an exception interaction. POS_PORT elects to CANCEL the interaction.</p> <p>This indicates the device's IP address for Consumer Service. <b>Example:</b> 192.168.1.100</p>
POS_IP	Optional	Character				<p>This indicates the device's IP address for Consumer Service. <b>Example:</b> 192.168.1.100</p>
POS_PORT	Optional	Numeric	4	4		<p>This indicates the device's IP address for Consumer Service. <b>Example:</b> 192.168.1.100</p>
PURCHASE_ID	Conditional	Character	1	25		<p>Purchase ID is used for processing the special purchase. PURCHASE_ID is used for processing the special purchase.</p>
SERVER_ID	Optional	Numeric	1	10		<p>This indicates the server ID for the transaction.</p>
SHIFT_ID	Optional	Character	1	1		<p>This indicates the shift ID for the transaction.</p>
STORE_NUM	Optional	Character	1	6		<p>Store number for the transaction.</p>
TABLE_NUM	Optional	Numeric	1	5		<p>Table number for the transaction. 10</p>
SCREEN_UPDATES_ENABLED	Optional	Binary			Valid values: <ul style="list-style-type: none"> <li>0 - Does not display Authorizing and Status Screens</li> <li>1 - Displays in Gift card Authorizing and Status Screens (Default)</li> </ul>	<p>Determine Transaction in Gift card</p>

Field	Rule	Type	Minimum	Maximum	Value(s)	
TRAINING_MODE	Optional	List	1	3	OFF ON	This field is used to enable the session host simulation. (enabled), Training Mode. <TRAINING> from POS. COUNTER. COUNTER. This is used for 100.
COUNTER	Required	Numeric	1	10		
MAC	Required	Base64 Encoded Data	N/A	N/A	N/A	Message Authentication Code.
MAC_LABEL	Required	Character	1	50		Associated with MAC_KEY. This is used for REG1.

#### Keyed Account Information

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
ACCT_NUM	Optional	Numeric	1	25	PAYMENT	This field is used to enter the account number manually. For this MANUAL_ENTRY must be set to TRUE. Pre-swipe data will not be honored. <b>Example:</b> 67823456781313
CARD_EXP_MONTH	Required	Numeric	2	2		Card expiry month. <b>NOTE:</b> If the encryption is set to TRUE, then SCI will use 12 as default value if this field is not passed. <b>Example:</b> 12
CARD_EXP_YEAR	Required	Numeric	2	2		Card expiry year. <b>NOTE:</b> If encryption is set to TRUE, SCI will use 49 as default value if this field is not passed. <b>Example:</b> 49
BARCODE	Optional	Character	1	100		Barcode scanning option.
PIN_CODE	Required	Numeric	1	12		Gift PIN code. <b>Example:</b> 5.00
CVV2	Optional	Numeric	1	10		Card Verification Value 2.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
SAF_FLAG	Optional	Boolean	N/A	N/A		Upon returning 15 or 74 result code to POS, if customer decides to SAF the Activation Process, then activate command should be resend with this extra field <SAF_FLAG>.

## Multi Merchant Transaction

Refer to [Multi Merchant Support](#) for more details on this feature.

### Note

For Multi Merchant transactions, either of the field is mandatory to send in POS request.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
MMACCOUNT	Conditional	Character	1	20		This field contains the Multi Merchant Account number or account name, which is used by the application to identify the correct Client ID and Device Key to be used for performing Host operations like Transactions and Reports. This field is mandatory if the device has a Multi Merchant setup on-boarding and if DEFAULTMERCHANTACCOUNT parameter is not set. <b>Example:</b> 123456789/ 121212/ zxcvbnmQWERTY1
MMPIN	Conditional	Character	6	6		This field contains PIN value which will be used for MACCOUNT authentication. MMPIN update and setup is handled on PWC portal. The default value is usually the same as MACCOUNT. <b>Example:</b> 001212/123456

### Example

Following is an example of request packet

```
<TRANSACTION>
  <FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
  <COMMAND>ACTIVATE</COMMAND>
```

```

<COUNTER>1</COUNTER>
<MAC> ... </MAC>
<MAC_LABEL>REG2</MAC_LABEL>
<PAYMENT_TYPE>GIFT</PAYMENT_TYPE>
<PAYMENT_SUBTYPE>BLACKHAWK</PAYMENT_SUBTYPE>
<BARCODE>88590991979</BARCODE>
<ENCRYPT>TRUE</ENCRYPT>
<TRANS_AMOUNT>100.00</TRANS_AMOUNT>
</TRANSACTION>

```

Following is an example of request packet - **First leg(Capture Card Early Return)**

```

<TRANSACTION>
  <FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
  <COMMAND>ACTIVATE</COMMAND>
  <TRANS_AMOUNT>100.00</TRANS_AMOUNT>
  <CAPTURECARD_EARLYRETURN>TRUE</CAPTURECARD_EARLYRETURN>
  <MANUAL_ENTRY>FALSE</MANUAL_ENTRY>
  <PAYMENT_TYPE>GIFT</PAYMENT_TYPE>
  <FORCE_FLAG>FALSE</FORCE_FLAG>
  <MAC_LABEL>P_EJIOKG</MAC_LABEL>
  <COUNTER>14</COUNTER>
  <MAC>pWMpzmKh4CwI1OYFRtWOK1Xw332YUoGzbROyaMku6ZI=</MAC>
</TRANSACTION>

```

Following is an example of request packet - **Second leg(Capture Card Early Return)**

```

<TRANSACTION>
  <FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
  <COMMAND>ACTIVATE</COMMAND>
  <TRANS_AMOUNT>100.00</TRANS_AMOUNT>
  <MANUAL_ENTRY>FALSE</MANUAL_ENTRY>
  <PAYMENT_TYPE>GIFT</PAYMENT_TYPE>
  <FORCE_FLAG>FALSE</FORCE_FLAG>
  <MAC_LABEL>P_EJIOKG</MAC_LABEL>
  <COUNTER>15</COUNTER>
  <MAC>Dqutu+H7fEndQ4D/O9KJ/xGMXiy/8n8WJ1psDVpwLH4=</MAC>
</TRANSACTION>

```

#### Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. <b>Example:</b> CAPTURED.
RESULT	Character		This indicates the Result details. Commonly CAPTURED or DECLINED.



Field	Type	Value	Description
RESULT_CODE	Numeric	Expected result code: 4, 59074, 59040	This indicates the result code.
TERMINATION_STATUS	Character	SUCCESS and FAILURE	This indicates the transaction termination status. This is the overall status of the transaction irrespective of approved or declined. Like, if the output is generated then the status is SUCCESS and if no output is generated then the status will be FAILURE.
BATCH_TRACE_ID	Character		Batch Trace ID. This is conditional field. <b>Example:</b> 12cc7b17-4b45-4344-b412-5432
EMBOSSSED_ACCT_NUM	Numeric		Card number conditionally returned if present in the SSI response. Returned if payment type = GIFT and returnembossednumforgift is enabled. <b>Example:</b> 64999991111115789
POS_RECON	Character		POS reconciliation field echoed back if sent in request. <b>Example:</b> RetailPOS1
COUNTER	Numeric		Echoes counter sent in the request. <b>Example:</b> 100
MERCHID	Numeric		Merchant ID. <b>Example:</b> 9000000000123
TERMID	Numeric		Merchant ID. <b>Example:</b> 001
TRANS_SEQ_NUM	Numeric		Processor/Batch transaction sequence number. <b>NOTE:</b> For private label transaction (ADS), PT_SEQ_NUM field will be mapped to TRANS_SEQ_NUM and TROUTD fields back to SCA. <b>Example:</b> 5
INTRN_SEQ_NUM	Numeric		PWC transaction ID. <b>Example:</b> 123456789
AUTH_CODE	Character		Processor authorization number. <b>Example:</b> 123456
TROUTD	Numeric		Transaction routing ID. <b>Example:</b> 123456789
CTROUTD	Numeric		CTROUTD is a sequence number for PAYMENT transactions (always enabled) that is generated per Client ID. Each Client ID has its own CTROUTD sequence counter. <b>NOTE:</b> For private label transaction (ADS), PT_CTROUTD field will be mapped to CTROUTD field back to SCA. <b>Example:</b> 45
LPTOKEN	Numeric		LP Token is a non-sensitive unique number assigned to each unique card number processed with the UGP gateway. This value will automatically increment by one for each unique card number. This is a conditional field. <b>NOTE:</b> Refer to Responses from Point section in Message Format. <b>Example:</b> 12457

Field	Type	Value	Description
PAYMENT_MEDIA	Character		Mode of payment. Commonly VISA/MC/DISC/AMEX/DEBIT. <b>Example:</b> : GIFT/MERCHANDISE
PAYMENT_TYPE	Character		Payment type returned, like Gift. <b>Example:</b> GIFT/MERCH_CREDIT
ACCT_NUM	Numeric		Returned the masked account number. <b>NOTE:</b> If UNMASKEDPANFORNONPCI=1 then the account number will be sent back to POS as unmasked for non PCI cards. Refer to <a href="#">GSC Parameters</a> for more details on the parameter. <b>Example:</b> 600649*****9147
CARDHOLDER	Character		Returned for swiped transactions. <b>Example:</b> TEST PROCESSOR
CARD_EXP_MONTH	Numeric		Card expiry month. <b>Example:</b> 12
CARD_EXP_YEAR	Numeric		Card expiry year. <b>Example:</b> 20
CARD_ENTRY_MODE	Character		Returns card entry mode values. <b>Example:</b> 123123 <b>NOTE:</b> Refer to Card Entry Mode for details on possible values.
EMV_TAGS	Character		This is returned for Early Card Capture payment flows for Non PCI BIN ranges, only when EMV_TAGS_REQD is sent as Y.
CARD_CLASS	Numeric		This field is returned to identify the card type of the gift transaction. <b>Example:</b> 0
PIN_CODE	Numeric		Gift PIN code. This is a conditional field. This field will return in POS response if GIFTPINTOPOS parameter is enabled. Refer to <a href="#">Application Parameters</a> for more details on the parameter.
APPROVED_AMOUNT	Floating point number		The amount which got approved. <b>Example:</b> 5.00.
AVAILABLE_BALANCE	Floating point number		Available balance on the card used for transaction. This field will be returned to POS, when the Host returns the Available Balance data. SCA application sends <BALANCE_ENQ> as Host request field and based on the processor, it returns the Available Balance, and SCA will send it back to POS. <b>Example:</b> 100.00.
PREVIOUS_BALANCE	Floating point number		Previous balance on card. <b>Example:</b> 200.00.

Field	Type	Value	Description
RECEIPT_DATA	Character		Receipt Data.
TRANS_DATE	Character		Transaction date returned. <b>Example:</b> 2016.09.20
TRANS_TIME	Character		Transaction time returned. <b>Example:</b> 09:16:25
VSP_CODE	Numeric		If present, returns the VSP code. <b>Example:</b> 100
VSP_RESULTDESC	Boolean	SUCCESS or FAILURE	If present, returns the VSP result description.
VSP_TRXID	Numeric		If present, returns the VSP transaction ID. <b>Example:</b> 012345678901234567
TRAN_LANG_CODE	Character	en – English fr – French es – Spanish	This field contains the language code for the current transaction which is finalized based on the configured language on terminal and language preference from the card. This field will be returned only whenever the Card data is captured from cardholder during transaction flow. If Language code is not available from card, then terminal language will be returned. This field needs to be added for the below transaction flows.
TRANS_CURRENCY_CODE	Numeric		This is the currency code of the transaction. This field is sent from POS to identify if it is US or Canada transaction. <b>Example:</b> <ul style="list-style-type: none"> <li>For USA, POS response is: &lt; TRANS_CURRENCY_CODE&gt;0840&lt;/TRANS_CURRENCY_CODE&gt;</li> <li>For Canada, POS response: &lt; TRANS_CURRENCY_CODE&gt;0124&lt;/TRANS_CURRENCY_CODE&gt;</li> </ul>
AUTH_REF_NUMBER	Character	Example: 123456789012345 Or It can be empty	This tag returns in the host response with the value for the particular transaction. This is used by some merchants to refer to the transaction at the host side. Currently this is applicable only for Worldpay processor.
COL_3, COL_4, COL_5, COL_6, COL_7, COL_8, COL_9, COL_10	Character		Column 3 to Column 10 fields value will be echoed in POS response. These fields are not sent to any payment processor.

#### Processor-Based Token (Conditional)

#### Note

For use with host based processors supporting card based token implementations.

Field	Type	Value	Description
CARD_TOKEN	Character		Card Token field is returned in most of the GIFT administrative transactions. <b>NOTE:</b> Refer to Card Tokens section in Point Integration Best Practices. <b>Example:</b> 7987654321098765
TOKEN_SOURCE	Character		Source of the token. <b>Example:</b> PWC

### Transaction Performance Metric

#### Note

These fields are returned, if SCAPERFMETRIC parameter ([Application Parameters](#)) is enabled.

Field	Type	Value	Description
UI_TIME	Time		This indicates the time duration, for which the device screen is displayed (like error message, prompt screen, remove card screen) till any user action is performed in the command execution flow. This field is not applicable to capture the time for the Processing, Authorizing and transaction status screen. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. <b>Example:</b> <UI_TIME>44.028</UI_TIME>
HOST_TIME	Time		This indicates the time taken for the Connection to the host, sending request and receives data from the host. This field also take the cumulative time for multiple requests which may sent to the host during the transaction including two legged transactions, timeout requests, Auto Last Tran requests, DCC, Credit app proxy. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. <b>Example:</b> <HOST_TIME>1.389</HOST_TIME>
CMD_TIME	Time		This field indicates the total amount of time for a command, which is executed by the application from request received to the response sent. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. <b>Example:</b> <CMD_TIME>70.765</CMD_TIME>

#### Example

Following is an example of response packet

```
<RESPONSE>
  <APPROVED_AMOUNT>100.00</APPROVED_AMOUNT>
  <AVAILABLE_BALANCE>100.00</AVAILABLE_BALANCE>
  <ACCT_NUM>600649*****9147</ACCT_NUM>
  <AUTH_CODE>ABC001</AUTH_CODE>
  <CARDHOLDER>PROCESSOR/GIFT</CARDHOLDER>
  <CTROUTD>141</CTROUTD>
```

```

<INTRN_SEQ_NUM>569230</INTRN_SEQ_NUM>
<PAYMENT_MEDIA>GIFT</PAYMENT_MEDIA>
<PAYMENT_TYPE>GIFT</PAYMENT_TYPE>
<RESPONSE_TEXT>CAPTURED</RESPONSE_TEXT>
<RESULT>CAPTURED</RESULT>
<RESULT_CODE>4</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<TRANS_SEQ_NUM>19</TRANS_SEQ_NUM>
<TROUTD>569230</TROUTD>
<TRAN_LANG_CODE>en</TRAN_LANG_CODE>
</RESPONSE>

```

Following is an example of response packet - **first leg(Capture Card Early Return)**

```

<RESPONSE>
  <RESPONSE_TEXT>CAPTURE EARLY CARD NOTIFICATION</RESPONSE_TEXT>
  <RESULT>OK</RESULT>
  <RESULT_CODE>-1</RESULT_CODE>
  <TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
  <COUNTER>14</COUNTER>
  <CARD_TRACK1>
B60105*****
</CARD_TRACK1>
  <CARD_TRACK2>601056*****4680</CARD_TRACK2>
  <ACCT_NUM>601056*****6057</ACCT_NUM>
  <TRANS_AMOUNT>100.00</TRANS_AMOUNT>
  <CARD_EXP_MONTH>**</CARD_EXP_MONTH>
  <CARD_EXP_YEAR>**</CARD_EXP_YEAR>
  <CARDHOLDER>RAPI*****</CARDHOLDER>
  <PAYMENT_TYPE>GIFT</PAYMENT_TYPE>
  <PAYMENT_MEDIA>GIFT</PAYMENT_MEDIA>
  <CARD_ENTRY_MODE>Swiped</CARD_ENTRY_MODE>
  <INVOICE>123456</INVOICE>
</RESPONSE>

```

Following is an example of response packet - **second leg(Capture Card Early Return)**

```

<RESPONSE>
  <RESPONSE_TEXT>04: Inactive account. </RESPONSE_TEXT>
  <RESULT>DECLINED</RESULT>
  <RESULT_CODE>6</RESULT_CODE>
  <TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
  <COMMAND>ACTIVATE</COMMAND>
  <BATCH_TRACE_ID>0954ba24-3c56-4c53-b1c1-35a7bc48909a</
BATCH_TRACE_ID>
  <TROUTD>4016100327</TROUTD>
  <CTROUTD>75065</CTROUTD>
  <CARD_ENTRY_MODE>Swiped</CARD_ENTRY_MODE>
  <EMBOSSSED_ACCT_NUM>286831*****4680</EMBOSSSED_ACCT_NUM>
  <TRANS_SEQ_NUM>20927</TRANS_SEQ_NUM>
  <INTRN_SEQ_NUM>4016100327</INTRN_SEQ_NUM>
  <TRANS_DATE>2022.07.12</TRANS_DATE>
  <TRAN_LANG_CODE>en</TRAN_LANG_CODE>

```

<TRANS\_TIME>02:40:21</TRANS\_TIME>  
<CARD\_EXP\_MONTH>\*\*</CARD\_EXP\_MONTH>  
<CARD\_EXP\_YEAR>\*\*</CARD\_EXP\_YEAR>  
<PAYMENT\_MEDIA>GIFT</PAYMENT\_MEDIA>  
<PAYMENT\_TYPE>GIFT</PAYMENT\_TYPE>  
<ACCT\_NUM>601056\*\*\*\*\*6057</ACCT\_NUM>  
<CARDHOLDER>RAPI\*\*\*\*\*</CARDHOLDER>  
<TRANS\_AMOUNT>100.00</TRANS\_AMOUNT>  
<BANK\_USERDATA>GIFT</BANK\_USERDATA>  
<VSP\_CODE>200</VSP\_CODE>  
<VSP\_RESULTDESC>[204] BIN Excluded from encryption</VSP\_RESULTDESC>  
<VSP\_TRXID>637932048220875278</VSP\_TRXID>  
<CARD\_ABBRV>GF</CARD\_ABBRV>  
<TRAINING\_MODE>OFF</TRAINING\_MODE>  
<COUNTER>15</COUNTER>  
</RESPONSE>