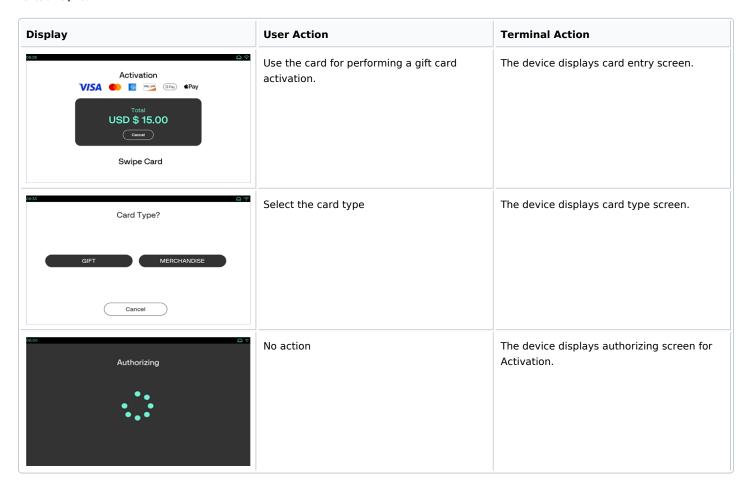


# **ACTIVATE**

This command activates a Gift or Merchandise Credit card with an initial (non-zero) balance.

#### Device UI Required



#### Request Packet

Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	PAYMENT	Type of function.
COMMAND	Required	Static value	N/A	N/A	ACTIVATE	Command name



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
PAYMENT_TYPE	Required	List	N/A	N/A	GIFT MERCH_CREDIT	Payment type field for Gift or Merchandise Credit. <b>NOTE:</b> PAYMENT_TYPE field is mandatory for card token based transactions.
PAYMENT_SUBTY PE	Optional	List	N/A	N/A		Payment subtype field for Gift or Merchandise Credit. <b>Example:</b> BLACKHAWK
TRANS_AMOUNT	Required	Floating point number	1(2)	6(2)		Total transaction amount. This field must be a non-zero amount. <b>Example:</b> 5.00
MANUAL_ENTRY	Optional	Binary	N/A	N/A	TRUE FALSE	This field defines the transaction mode as Manual if it is set to TRUE. This instructs Point to collect the account information through the keypad on the device.
MANUAL_PROMP T_OPTIONS	Optional	Character	1	50	NOEXP	This field is applicable if MANUAL_ENTRY = TRUE. When this is present, SCA will not prompt for expiration.



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
ENCRYPT	Conditional	Binary	N/A	N/A	TRUE	This field is required to encrypt the PAN details before passing it on to processor/gatew ay. In case of P2PE encryption, this field value will be TRUE as default value.  NOTE: If this field is not present, then the application will internally treat this field as a value TRUE when the device encryption is ADE/VSD.
POS_RECON	Optional	Character	1	30		POS reconciliation. POS Reconciliation field to be echoed back in response to POS. Example: RetailPOS1
BANK_USERDATA	Conditional	Character	1	50		Returned with CARD_TOKEN. Whatever comes back with BANK_USERDATA in the response for the token should also be sent in the request. <b>Example:</b> 01/00/02/Visa/



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
CARD_TOKEN	Conditional	Character	1	40		Card token is processor-based or gateway-based and can represent a unique card. Refer to Two Way Card Token section.  Example: 7987654321098 765
TKN_RENEW	Conditional	Character		1	Valid value: 1	Application will send this field to the Gateway, requesting for Token renewal. As of this publication, this is applicable for UGP only.
CASHIER_ID	Optional	Character	1	10		This indicates the Cashier ID performing the transaction ID. <b>Example:</b> 7987654321098 765



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
CAPTURECARD_E ARLYRETURN	Optional	Binary	N/A	N/A	TRUE	If the sending value is TRUE, then the application returns card data to POS before processing. PCI BIN checking in place to return full PAN or masked PAN BIN range level.  NOTE: SCA will cache data from the swipe, however, will only use in immediately subsequent CAPTURE request containing explicit tender type – else, it will discard.
EMV_TAGS_REQD	Character	Binary			Valid values: Y/N	EMV tags detail required. This field is sent in request to return the EMV tags in the response, only in case of CAPTURECARD_E ARLYRETURN is sent as TRUE.



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
CDD_DATA	Optional	Character	1	30		Customer Defined Data. This field is optional, and the datatype is String. It is a pass-through field, and it is passed in the host request if this field is present in the POS request and also returned in POS response. This field is applicable for all payment transactions. Example: < CDD_DATA> INV200471



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
INVOICE	Required	Character	1	40	value(s)	Merchant invoice number.  Maximum 40 characters (A-Z, a-z, 0-9) and these are not case sensitive.  All the special characters are supported in INVOICE. NOTE: POS, integrated with the application should handle maximum invoice applicable for the host used in the environment.  Vantiv allows numeric only; the value may not be
						all zeroes.  Example: TA1234
LANE	Optional	Numeric	1	8		This field is used to identify the retail lane. <b>Example:</b> 1

Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
NOTIFY_SCA_EVE	Optional	Boolean			TRUE	If this field is set
NTS					FALSE	to TRUE, then it
						returns event
						broadcasts as
						play by play of
						what is occurring
						on the device
						when interacting
						with consumer
						and host as
						Unsolicited
						Consumer
						Selection
						response. This is
						applicable to
						Vantiv Direct
						Engage Devices
						Only (as of this
						publication).
						NOTE: POS_IP
						and POS_PORT
						must be sent.
						Broadcast event
						should be used
						as information
						only and not as
						condition for
						stopping or
						resuming a
						transaction. The
						exception would
						be in case where
						consumer
						interaction has
						lapsed for certain
						duration and PO
						elects to CANCE
						on secondary
						port.



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
POS_IP	Optional	Character				This indicates the POS listening IP address. This is for Consumer Unsolicited responses to POS. <b>Example:</b> 192.168.31.100
POS_PORT	Optional	Numeric	4	4		This indicates the POS listening port. This is for Consumer Unsolicited responses to POS. <b>Example:</b> 5016
PURCHASE_ID	Conditional	Character	1	25		Purchase ID. This is required for Level II processing. P.O. Number or Customer Code. All the special characters are supported in PURCHASE_ID. Example: 1
SERVER_ID	Optional	Numeric	1	10		This indicates the Server ID, performing the transaction. <b>Example:</b> 560
SHIFT_ID	Optional	Character	1	1		This indicates the Shifts at the store. <b>Example:</b> 2
STORE_NUM	Optional	Character	1	6		Store number. <b>Example:</b> 203

Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
TABLE_NUM	Optional	Numeric	1	5		Table number. Collected for receipts. <b>Example:</b> 10
TRAINING_MODE	Optional	List	1	3	OFF ON	This field is included to turn on Training Mode for the session.  Transactions are routed to HIF Test for host simulation and results are mocked for approvals.  NOTE: When DEMO parameter is 1 (enabled), transactions will be performed in Training Mode without the need to pass <training_mod e="">ON</training_mod> ON from POS.
COUNTER	Required	Numeric	1	10		COUNTER is used for a given MAC label. Each COUNTER should be higher than the last one. This is used to authenticate the POS. <b>Example:</b> 100



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
MAC	Required	Base64 Encoded Data	N/A	N/A	N/A	Message Authentication Code. This is used to authenticate the POS.
MAC_LABEL	Required	Character	1	50		Associated label that tells the device which MAC_KEY to use to decrypt the value of MAC. This is used to authenticate the POS. <b>Example:</b> REG1

#### **Keyed Account Information**

Field	Rule	Туре	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> 6782345678131



Field	Rule	Туре	Minimum	Maximum	Value(s)	Description
CARD_EXP_MONT H	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.  NOTE: If encryption is set to TRUE, SCI will use 49 as default value if this field is not passed. Example: 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.
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>.</saf_flag>

## 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>pWMpzmkh4Cwi10YFRtWOK1xw332YUoGzbROyaMku6ZI=</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

eld	Туре	Value	Description
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https://verifone.cloud/docs/sca-functional-specification/protocol spec/gift card/activate



RESPONSE_TEXT	Character		Processor response text. <b>Example:</b> CAPTURED.
RESULT	Character		This indicates the Result details. Commonly CAPTURED or DECLINED.
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
EMBOSSED_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> 6499991111115789
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> 90000000123
TERMID	Numeric		Merchant ID. Example: 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
PAYMENT_MEDIA	Character	Mode of payment. Commonly VISA/MC/DISC/AMEX/DEBIT.  Example: : 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 GSC Parameters 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.  Example: 123123  NOTE: 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 Application Parameters 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.</balance_enq>
PREVIOUS_BALANCE	Floating point number		Previous balance on card. <b>Example:</b> 200.00.
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



I			
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> • For USA, POS response is: < TRANS_CURRENCY _CODE>0840   _ TRANS_CURRENCY _CODE>   • For Canada, POS   response: <
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)

 $\underline{https://verifone.cloud/docs/sca-functional-specification/protocol\_spec/gift\_card/activate}$ 



## Note

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

Field	Туре	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 (<u>Application Parameters</u>) is enabled.

Field	Туре	Value	Description
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	ı	1
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



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)

https://verifone.cloud/docs/sca-functional-specification/protocol\_spec/gift\_card/activate



```
<ACCT_NUM>601056******6057</ACCT_NUM>
<TRANS_AMOUNT>100.00</TRANS_AMOUNT>
<CARD_EXP_MONTH>**</CARD_EXP_MONTH>*
<CARD_EXP_YEAR>***/CARD_EXP_MONTH>
<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>
<EMBOSSED_ACCT_NUM>286831*****4680/EMBOSSED_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_MONIN>
</CARD_EXP_YEAR>
</PAYMENT_MEDIA>
GIFT
/PAYMENT_MEDIA>
<PAYMENT_TYPE>GIFT</PAYMENT_TYPE>
<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>
```