

## SIGNATURE

This command directs the device to capture signature from a customer.

**Note**

Signature Capture will not prompt on Manual, due to the CardPresent variable not being populated. For Manual, the xml tag `<CARD_PRESENT>TRUE</CARD_PRESENT>` is required to add in the transaction requests for Signature Capture functionality to work as expected. Signature data gathered outside of a transaction is sent back only to the POS and not to the Point/PAYware Connect gateway or host.

**Device UI Required:** Yes

**Request Packet**

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	DEVICE	Type of function.
COMMAND	Required	Static value	N/A	N/A	SIGNATURE	Command name
DISPLAY_TEXT	Optional	Character	1	4000		Display allows for up to four lines of text before scroll bar is displayed. When four lines are exceeded, the box will include scroll bars to navigate up/down through text area. <b>Example:</b> / <i>Hereby Agree to Pay The Amount in Full.</i> <b>NOTE:</b> If not provided, display text will default to Example shown.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FORMATTED_DISPLAY_TEXT	Optional	Binary			<ul style="list-style-type: none"> <li>• 0 - Application does formatting of the display text.</li> <li>• 1 - Application expects POS to perform the formatting and send it to the device.</li> </ul>	Formatting the display text.
POS_RECON	Optional	Character	1	30		POS reconciliation. POS Reconciliation field to be echoed back in response to POS. <b>Example:</b> RetailPOS1
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	Type	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

**Example**

Following is an example of request packet

```
<TRANSACTION>
<FUNCTION_TYPE>DEVICE</FUNCTION_TYPE>
<COMMAND>SIGNATURE</COMMAND>
<COUNTER>1</COUNTER>
<MAC> ... </MAC>
<MAC_LABEL>REG2</MAC_LABEL>
</TRANSACTION>
```

**Response Packet**

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. <b>Example:</b> Signature Captured
RESULT	Character		This indicates the Result details. <b>Example:</b> OK
RESULT_CODE	Numeric	Expected result code: -1, 59001, 59006, 59040	This indicates the result code. Refer to <a href="#">Result/Error Codes</a> for details.

Field	Type	Value	Description
TERMINATION_STATUS	Character	SUCCESS or 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.
COUNTER	Numeric		Echoes counter sent in the request. <b>Example:</b> 100
SIGNATUREDATA	Base 64 encoded data		Signature data.
MIME_TYPE	Character	Valid values: <ul style="list-style-type: none"> <li>• BMP</li> <li>• TIFF</li> <li>• 3BA</li> <li>• PNG</li> <li>• RAW</li> </ul>	Mime type of the signature image. <b>Example:</b> Ex: image/png, image/bmp. <b>NOTE:</b> The response data for MIME_TYPE field is depending on the value set in SIGIMAGETYPE parameter ( <a href="#">Application Parameters</a> ).
POS_RECON	Character		POS reconciliation field echoed back if sent in request. <b>Example:</b> RetailPOS1

**Example**

Following is an example of response packet

```

<RESPONSE>
<RESPONSE_TEXT>Signature Captured</RESPONSE_TEXT>
<RESULT>OK</RESULT>
<RESULT_CODE>-1</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<SIGNATUREDATA>{base64 encoded data}</SIGNATUREDATA>
<MIME_TYPE>image/png</MIME_TYPE>
<COUNTER>1</COUNTER>
</RESPONSE>

```