


Set Date And Time

This command is used to set the device to a specific date and time.

Device UI Required

Note

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

Display	User Action	Terminal Action
	No action	The device displays the changed time.

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static Value	N/A	N/A	SESSION	Type of function.
COMMAND	Required	Static Value			SETTIME	Command name

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
TIME	Required	Character	12	14		This indicates the time. The seconds portion of the clock string (ss) is optional. The format would be YYYYMMDDhhmmss.
CONFIG_TIME	Optional	Boolean			0 - Disable 1 - Enable	Configuring time. If the value is set 1 then the application would take the time from Congiration parameter instead of TIME field.
POS_RECON	Optional	Character	1	30		POS reconciliation. POS Reconciliation field to be echoed back in response to POS. Example: 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. Example: 100
MAC	Required	Base64 Encoded Data				Message Authentication Code. COUNTER value encrypted by 128-AES MAC_KEY. This value is Base64 encoded. 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. Example: REG1

Example

Following is an example of request packet

```
<TRANSACTION>
  <FUNCTION_TYPE>ADMIN</FUNCTION_TYPE>
  <COMMAND>SETTIME</COMMAND>
  <TIME>20210712091900</TIME>
  <POS_RECON>RetailPOS1</POS_RECON>
</TRANSACTION>
```

Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. Example: Operation Successful
RESULT	Character	OK	This indicates the Result details.

Field	Type	Value	Description
RESULT_CODE	Numeric	Expected result code: -1, 59006, 59001	This indicates the result code. Refer to Result/Error Codes for details.
TIME	Character		Current time in YYYYMMDDhhmmss format. SCA to query and return the current date/time after it is set. Example: 20160521122005
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.
POS_RECON	Character		POS reconciliation field echoed back if sent in request. Example: RetailPOS1
COUNTER	Numeric		Echoes counter sent in the request. Example: 100

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. Example: <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. Example: <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. Example: <CMD_TIME>70.765</CMD_TIME>

Example

```
<RESPONSE>
  <RESPONSE_TEXT>Operation SUCCESSFUL</RESPONSE_TEXT>
  <RESULT>OK</RESULT>
  <RESULT_CODE>-1</RESULT_CODE>
  <TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
  <TIME>20210712091900</TIME>
  <POS_RECON>RetailPOS1</POS_RECON>
</RESPONSE>
```