

Request for payment using Android Pay (androidPay)

The request used for payment via Android Pay is androidPay.

Use the following URL to connect to the Test Service (WSDL):
<https://3dsec.sberbank.ru/payment/webservices/merchant-ws?wsdl>.

Use the standard requests to the payment gateway for the operations of reversal, refund and payment completion.

Request parameters

The request parameters are given in table below.

Name	Type	Mandatory	Description
merchant	AN..255	Yes	Merchant login in the payment gateway.
orderNumber	ANS..32	Yes	The number (identifier) of the order in the store system is unique for each store within the system – up to 30 characters. If the order number is generated on the Payment Gateway side, this parameter is not mandatory.
paymentToken	String	Yes	A token received from Android Pay and encoded in Base64.
ip	ANS..39	No	IP-address of the buyer. IPv6 is supported in all requests (up to 39 characters).
amount	N..12	No	Payment amount in minimum currency units.
description	ANS..512	No	Description of the order in any format. Only the first 24 characters of this field are transferred to Sberbank's processing for inclusion in the merchant's financial statements. To enable sending this field to the processing system, contact the technical support service.
language	A2	No	Language in the ISO 639-1 encoding. If the language is not specified, the default language defined in the store settings is used.

Name	Type	Mandatory	Description									
additionalParameters	Not applicable	No	Additional parameters of the order that are stored in the merchant personal account for the subsequent viewing. For each additional parameter, use the entry block which includes the following nested parameters.									
			<table><tr><th>Name</th><th>Type</th><th>Description</th></tr><tr><td>key</td><td>String</td><td>The name of the optional parameter.</td></tr><tr><td>value</td><td>AN..1024</td><td>The value of the additional parameter is up to 1024 characters.</td></tr></table>	Name	Type	Description	key	String	The name of the optional parameter.	value	AN..1024	The value of the additional parameter is up to 1024 characters.
			Name	Type	Description							
			key	String	The name of the optional parameter.							
			value	AN..1024	The value of the additional parameter is up to 1024 characters.							
Below is an example of how to use this parameter.												
<pre><entry> <key>parameter_1</key> <value>value_1</value> </entry> <entry> <key>parameter_2</key> <value>value_2</value> </entry></pre>												
If the merchant has fiscalization set up, when indicating email (the buyer's email address) and/or phone (the buyer's cell phone number) as additional parameters, these parameters are first used to send the fiscal receipt. It is forbidden to pass reserved names in the parameter (if they are passed, the order may be rejected): <ul style="list-style-type: none">• sbrf_spasibo:amount_bonus• sbrf_sbermiles:amount_bonus												
preAuth	A..5	No	<div>loyaltyId</div> <div>Parameter that defines the necessity of a pre-authorization (putting the amount on hold on the customer's account until its debiting). The following values are available:<ul style="list-style-type: none">• true - the parameter is enabled, a two-phase payment is made;• false - the parameter is disabled, a one-phase payment is made (funds are debited immediately).If the parameter is not specified in the request, a one-phase payment occurs.</div>									

Name	Type	Mandatory	Description
clientId	ANS..255	No	Identifier of the Customer in the Store system. This parameter is used for the binding functionality. May be present if the store is allowed to create bindings. Specifying this parameter when processing payments with the use of bindings is mandatory. Otherwise, a payment will be unsuccessful.
currencyCode	N3	No	Numeric ISO 4217 code of the payment currency. If this parameter is not specified, it is considered to be equal to the default currency code.

Response parameters

The response parameters are given in table below.

Name	Type	Mandatory	Description
success	A..5	Yes	Designates a successful request. The following values are available: <ul style="list-style-type: none"> • true – request is processed successfully; • false – request failed.
data	Not applicable	Yes	<p>It is returned only if the payment was successful and contains one nested parameter (see below).</p> <p>orderId Identifier of the order in the payment system. It is unique within the system. The identifier is missing if the order registration failed due to an error detailed in errorCode.</p> <p>The following parameter is returned if bindings are used.</p> <p>bindingId The identifier of the previously created binding. Can only be used if the merchant has permission to work with bindings. If this parameter is passed in the given request, it means that:</p> <ol style="list-style-type: none"> 1. The given order can be paid only using a binding; 2. The payer will be redirected to the payment page on which only entering CVC is required. <p>The parameters below are required only if additional authentication is used on the ACS of the issuing bank.</p> <p>acsUrl On a successful response in case of payment using 3-D Secure. The URL to go to the access control server.</p> <p>paReq On a successful response in case of payment using 3-D Secure. Payment Authentication Request – payment authentication request.</p> <p>termUrl In case of a successful response, in the case of a payment in which a check was made to ensure that the card belongs to 3-D Secure. The URL to return from the access control server.</p>

Name	Type	Mandatory	Description
error	Not applicable	Yes	<p>This parameter is returned only if the payment failed. Listed below are the nested parameters.</p> <p>code Error code.</p> <p>description A detailed technical explanation of the error – the contents of this parameter is not to be displayed to the customer.</p> <p>message Comprehensive error description – it is intended for displaying to the user.</p>

Error codes

Error code	Error text
0	The request has been processed without system errors.
5	Access denied.
5	The user must change the password.
7	System error.
10	Invalid parameter value [paymentToken].
10	Invalid parameter value [orderNumber].
10	Invalid parameter value [merchant].
10	Invalid parameter value [ip].
10	Encryption of the data passed in unsuccessful.

Request example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="http://engine.paymentgate.ru/webservices/merchant">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:androidPay>
      <arg0>
        <merchant>OurBestMerchantLogin</merchant>
        <orderNumber>UAF-203974-DE</orderNumber>
        <language>RU</language>
        <preAuth>true</preAuth>
        <paymentToken>eyJtZXJjaGFudCI6ICJrdXBpdmIwIiwib3JkZXJ0dW1iZXIiOiAyMDUxOTIzMz
        kxLCJwYXltZW50VG9rZW4iOiAiAielwiZXBoZW1lcmlcmFsUHVibGljS2V5XCI6XCJrZXlcIixcImVuY3
        J5cHRlZE1lc3NhZ2VcIjpcIm1lc3NhZ2VcIixcInRhZ1wiOlwidGFuXCJ9In0=</paymentToken
        >
        <ip>127.0.0.1</ip>
        <amount>230000</amount>
        <currencyCode>643</currencyCode>
      </arg0>
    </mer:androidPay>
  </soapenv:Body>
```

```
</soapenv:Envelope>
```

Response example

Successful payment

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:androidPayResponse
xmlns:ns1="http://engine.paymentgate.ru/webservices/merchant">
      <return>
        <success>true</success>
        <data>
          <orderId>12312312123</orderId>
        </data>
        <orderStatus errorCode="0"/>
      </return>
    </ns1:androidPayResponse>
  </soap:Body>
</soap:Envelope>
```

Failed payment

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:androidPayResponse
xmlns:ns1="http://engine.paymentgate.ru/webservices/merchant">
      <return>
        <success>false</success>
        <error>
          <code>10</code>
          <description>Invalid parameter [orderNumber]</description>
        </error>
        <orderStatus errorCode="0"/>
      </return>
    </ns1:androidPayResponse>
  </soap:Body>
</soap:Envelope>
```