

Terminal Order Management

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Get Terminal Lists

Use this API to get a list of all active terminals for a specific organization. You must provide the organization's UUID.

Endpoint

```
GET https://demo-api.frontpayment.no/api/v1/connect/terminal/lists/{{ORGANIZATION_UUID}}
```

Authorization

Include a **Bearer Token** in the `Authorization` header. You can obtain this token from **Front Payment**.

Example:

```
Authorization: Bearer YOUR_FRONTPAYMENT_BEARER_TOKEN
```

Response

A successful request will return a `200` status with the following JSON payload:

```
{
  "status_code": 200,
  "status_message": "OK",
  "message": "terminalsRetrievedSuccessfully",
  "is_data": true,
  "data": [
    {
      "uuid": "TRML1914739698",
      "name": "Oslo Terminal",
      "status": 1,
      "organization_uuid": "ORG2074299506"
    }
  ]
}
```

```
}
```

API returns a 510 error, it means something failed on the server side

```
{  
  "status_code": 510,  
  "status_message": "Execution Exception Occurred",  
  "message": "Something Went Wrong",  
  "is_error": true,  
  "errors": "Array"  
}
```

Create Terminal Order

This endpoint allows you to create a new order for a terminal device by specifying the product and quantity.

Endpoint

```
POST https://demo-api.frontpayment.no/api/v1/connect/terminal/orders/create
```

Authorization

Include a **Bearer Token** in the `Authorization` header. You can obtain this token from **Front Payment**.

Example:

```
Authorization: Bearer YOUR_FRONTPAYMENT_BEARER_TOKEN
```

Request Payload

Send the following parameters as a JSON object in the request body:

```
{
  "products": {
    "0": {
      "name": "Hair Wash",
      "productId": "VFDDF",
      "quantity": "1",
      "rate": 42,
      "discount": 0,
      "tax": "0",
      "amount": 42
    }
  },
  "orderSummary": {
```

```
"subTotal": "42.00",
"totalTax": "0.00",
"totalDiscount": "0.00",
"grandTotal": "42.00"
},
"orderDate": "07 Apr, 2024",
"sendOrderBy": {
  "sms": false,
  "email": true
},
"terminalUuid": "TRML1216693970",
"receiptPrint": false,
"customerDetails": {
  "type": "private",
  "countryCode": "+47",
  "msisdn": "46567468",
  "email": "customer@email.com",
  "customerUuid": null,
  "name": "Kari Nordmann",
  "preferredLanguage": "en",
  "personalNumber": null,
  "organizationId": null,
  "address": {
    "street": "Luramyurveien 65",
    "zip": "4313",
    "city": "Sandnes",
    "country": "NO"
  }
},
"invoiceReferences": {
  "referenceNo": "1234567",
  "customerReference": "3500",
  "customerNotes": "",
  "tnc": ""
},
"callbackUrl": "https://example-callback.com"
}
```

Validation Rules

Make sure your request meets the following requirements:

| Field | Type | Description |
|-----------------------------------|---------|--|
| products*.name | string | Required Name of the product. |
| products*.productId | string | Optional Unique identifier for the product. |
| products*.quantity | numeric | Required Quantity of the product. |
| products*.rate | numeric | Required Rate per unit of the product. |
| products*.discount | numeric | Optional Discount applied to the product. |
| products*.tax | numeric | Required Tax rate must be (e.g., 0, 12, 15, 25), Unless you have other configuration. |
| products*.amount | numeric | Required Total amount for the product line item. |
| orderSummary.subTotal | numeric | Required Subtotal of all products before tax and discount. |
| orderSummary.totalTax | numeric | Required Total tax for the order. |
| orderSummary.totalDiscount | numeric | Required Total discount for the order. |
| orderSummary.grandTotal | numeric | Required Grand total of the order. |
| sendOrderBy | array | Required Set one of this sms or email field value is true |
| sendOrderBy.sms | boolean | Required Order will send sms then set true |
| sendOrderBy.email | boolean | Required Order will send email then set true |
| orderDate | string | Required Provide Current / Future Date of the order. |
| customerDetails.countryCode | string | Required Country code for the customer's phone number (e.g., "+47"). |
| customerDetails.msisdn | string | Required Mobile Subscriber ISDN Number (phone number). |
| customerDetails.email | email | Required Customer's email address. |
| customerDetails.name | email | Required Customer's full name. |
| customerDetails.preferredLanguage | string | Optional Customer preferred language. Available languages are en, no, sv, da, de. |

| Field | Type | Description |
|-------------------------------------|---------|--|
| customerDetails.type | string | Required You can provide customer type is <code>private</code> or <code>corporate</code> . |
| customerDetails.personalNumber | string | Optional Customer's personal identification number, must be exactly 11 characters containing only numbers and cannot contain spaces. When Customer type is <code>private</code> then you can use this for add personal number. |
| customerDetails.organizationId | string | Conditional Required Organization identification number, must contain only numbers and cannot contain spaces. When Customer type is <code>corporate</code> then this field is required. Otherwise you can add this as <code>null</code> or remove from payload. |
| customerDetails.address.street | string | Required Street address of the customer. |
| customerDetails.address.zip | string | Required Zip code of the customer's address. |
| customerDetails.address.city | string | Required City of the customer's address. |
| customerDetails.address.country | string | Required ISO Alpha-2 country code (e.g., <code>NO</code>). Custom validation <code>IsoAlpha2Country</code> applies. |
| receiptPrint | boolean | Required Want to print receipt then set <code>true</code> . |
| terminalUuid | string | Required Provide the terminal uuid. |
| invoiceReferences.referenceNo | string | Optional Any reference number. |
| invoiceReferences.customerReference | string | Optional Any value for customer reference. |
| invoiceReferences.customerNotes | string | Optional Any value for customer notes |
| invoiceReferences.tnc | string | Optional Any value for terms and conditions |
| callbackUrl | url | Optional To receive real-time notifications on order state changes, you must provide a callback url. This is an server-to-server <code>HTTP GET</code> request. |

Response

A successful request will return a `201 Created` status with the following JSON payload:

```
{
  "status_code": 201,
  "status_message": "OK",
  "message": "terminalOrderAddedSuccessfully",
  "is_data": true,
  "data": {
    "orderId": "ODR123456789"
  }
}
```

API returns a `510` error, it means something failed on the server side

```
{
  "status_code": 510,
  "status_message": "Execution Exception Occurred",
  "message": "somethingWentWrong",
  "is_error": true,
  "errors": "Array"
}
```

Notification via Callback URL

If you provide callback URL into order payload, then the system will inform you about the order by `HTTP GET` Method with some query parameters.

Callback URL Parameters

Payment Approved

```
{
  "orderId": "ODR1566017307",
  "status": "Approved",
  "type": "Payment",
  "baseAmount": "42",
  "vatAmount": "0",
  "totalAmount": "42",
  "currency": "NOK"
}
```

```
}
```

Payment Declined

```
{  
  "orderId": "ODR1566017307",  
  "status": "Cancelled",  
  "type": "Payment",  
  "baseAmount": "42",  
  "vatAmount": "0",  
  "totalAmount": "42",  
  "currency": "NOK"  
}
```

Refund Approved

```
{  
  "orderId": "ODR1566017307",  
  "status": "Approved",  
  "type": "Payment_Refund",  
  "totalAmount": "42",  
  "currency": "NOK"  
}
```

Refund Declined

```
{  
  "orderId": "ODR1566017307",  
  "status": "Cancelled",  
  "type": "Payment_Refund",  
  "totalAmount": "42",  
  "currency": "NOK"  
}
```

Example

```
https://example-  
url.com/callback?orderId=ODR12334&status=Cancelled&type=Payment&totalAmount=42&currency=NOK
```

Cancel Terminal Order

This API allows your application to cancel a **specific terminal order** By providing the order's unique ID.

Endpoint

```
POST https://demo-api.frontpayment.no/api/v1/connect/terminal/orders/cancel/{{ORDER_UUID}}
```

Authorization

Include a **Bearer Token** in the `Authorization` header. You can obtain this token from **Front Payment**.

Example:

```
Authorization: Bearer YOUR_FRONTPAYMENT_BEARER_TOKEN
```

Request Payload

Send the following parameters as a JSON object in the request body:

```
{
  "type": "payment"
}
```

Validation Rules

Make sure your request meets the following requirements:

| Field | Type | Description |
|-------------------|---------------------|--|
| <code>type</code> | <code>string</code> | Required Using type. Available type is <code>payment</code> |

Response

A successful request will return a `200 OK` status with the following JSON payload:

```
{
  "status_code": 200,
  "status_message": "OK",
  "message": "cancelledOrderSuccessfully",
  "is_data": false,
  "data": null
}
```

API returns a `404` error, it means requested order with `ORDER_UUID` could not be found in our system.

```
{
  "status_code": 404,
  "status_message": "Not Found",
  "message": "orderNotFound",
  "is_data": false,
  "data": null
}
```

API returns a `417` error, it means requested payload is not valid.

```
{
  "status_code": 417,
  "status_message": "Client Error",
  "message": "payloadValidationErrors",
  "is_error": true,
  "errors": "Array"
}
```

API return a `400` error, it means your requested order is already `PAID`.

```
{
  "status_code": 400,
  "status_message": "Conflict of Business Logic",
  "message": "orderStatusAlreadyPaid",
  "is_error": false,
}
```

```
"errors": null
}
```

API returns a `510` error, it means something failed on the server side

```
{
  "status_code": 510,
  "status_message": "Execution Exception Occurred",
  "message": "Something Went Wrong",
  "is_error": true,
  "errors": "Array"
}
```

Resend Terminal Order

This API gives your application the power to **resend order** into terminal.

Endpoint

```
POST https://demo-api.frontpayment.no/api/v1/connect/terminal/orders/resend/{{ORDER_UUID}}
```

Authorization

Include a **Bearer Token** in the `Authorization` header. You can obtain this token from **Front Payment**.

Example:

```
Authorization: Bearer YOUR_FRONTPAYMENT_BEARER_TOKEN
```

Response

A successful request will return a `202` status with the following JSON payload:

```
{
  "status_code": 200,
  "status_message": "OK",
  "message": "orderSentSuccessfully",
  "is_data": false,
  "data": [
    'orderId': 'ODR1234567890'
  ]
}
```

API returns a `404` error, it means requested order with `ORDER_UUID` could not be found in our system.

```
{
  "status_code": 404,
```

```
"status_message": "Not Found",  
"message": "orderNotFound",  
"is_error": false,  
"errors": null  
}
```

API returns a `510` error, it means something failed on the server side

```
{  
  "status_code": 510,  
  "status_message": "Execution Exception Occurred",  
  "message": "terminalIsBusy",  
  "is_error": true,  
  "errors": "Array"  
}
```

Payment Status Check

This API gives your application the power to check the order **Payment** status.

Endpoint

```
GET https://demo-api.frontpayment.no/api/v1/connect/terminal/orders/payment-status/{{ORDER_UUID}}
```

Authorization

Include a **Bearer Token** in the `Authorization` header. You can obtain this token from **Front Payment**.

Example:

```
Authorization: Bearer YOUR_FRONTPAYMENT_BEARER_TOKEN
```

Response

A successful request will return a `200 OK` status with the following JSON payload:

```
{
  'status_code': 200,
  'status_message': 'OK',
  'order_status': "PAID",
  'message': 'orderPaymentConfirmed',
  'is_data': false,
  'data': null
}
```

```
{
  'status_code': 200,
  'status_message': 'OK',
  'order_status': "CANCELLED",
  'message': 'orderPaymentFailed',
}
```

```
'is_data': false,
'data': null
}
```

```
{
  "status_code": 200,
  "status_message": "OK",
  "order_status": "PAID",
  "message": "orderStatusUpdatedSuccessfully",
  "is_data": false,
  "data": null
}
```

```
{
  "status_code": 200,
  "status_message": "OK",
  "order_status": "CANCELLED",
  "message": "cancelledOrderSuccessfully",
  "is_data": false,
  "data": null
}
```

API returns a `404` error, it means requested order with `ORDER_UUID` could not be found in our system.

```
{
  "status_code": 404,
  "status_message": "Not Found",
  "message": "orderNotFound",
  "is_error": false,
  "errors": null
}
```

API returns a `510` error, it means something failed on the server side

```
{
  "status_code": 510,
  "status_message": "Execution Exception Occurred",
  "message": "Something Went Wrong",
  "is_error": true,
}
```

```
"errors": "Array"
```

```
}
```

Refund or Reverse Payment

This API allows your application to refund payment from your order

Endpoint

```
POST https://demo-api.frontpayment.no/api/v1/connect/terminal/orders/refund/{{ORDER_UUID}}
```

Authorization

Include a **Bearer Token** in the `Authorization` header. You can obtain this token from **Front Payment**.

Example:

```
Authorization: Bearer YOUR_FRONTPAYMENT_BEARER_TOKEN
```

Request Payload

Send the following parameters as a JSON object in the request body:

```
{
  "type": "regular",
  "grandTotal": 42,
  "products": [
    {
      "id": 12,
      "amount": 42
    }
  ],
  "isReversal": false
}
```

Validation Rules

Make sure your request meets the following requirements:

| Field | Type | Description |
|--------------------------------|----------------------|--|
| <code>type</code> | <code>string</code> | Required Using type. Available type is <code>regular</code> |
| <code>grandTotal</code> | <code>numeric</code> | Required Grand total of the refunded amount. |
| <code>products.*id</code> | <code>numeric</code> | Required Order product id. From which product you want to refund. |
| <code>products.*.amount</code> | <code>numeric</code> | Required Refund amount for the product. |
| <code>isReversal</code> | <code>boolean</code> | If you want to Reverse the payment then set <code>true</code> otherwise set <code>false</code> |

Response

A successful request will return a `202 OK` status with the following JSON payload:

```
{
  "status_code": 202,
  "status_message": "OK",
  "message": "terminalOrderRefundRequestSuccessfully",
  "is_data": false,
  "data": null
}
```

Error Response

API returns a `404` error, it means requested order with `ORDER_UUID` could not be found in our system.

```
{
  "status_code": 404,
  "status_message": "Not Found",
  "message": "orderNotFound",
  "is_error": false,
  "errors": null
}
```

API return a `417` error, it means request payload validation failed.

```
{
  "status_code": 417,
  "status_message": "Client Error",
  "message": "payloadValidationErrors",
  "is_error": true,
  "errors": "Array"
}
```

API returns a `510` error, it means something failed on the server side

```
{
  "status_code": 510,
  "status_message": "Execution Exception Occurred",
  "message": "somethingWentWrong",
  "is_error": true,
  "errors": "Array"
}
```

Others refund rejections errors

```
{
  "status_code": 400,
  "status_message": "Conflict of Business Logic",
  "message": "requestProductIdNotAvailable",
  "is_data": false,
  "data": null
}
```

```
{
  "status_code": 400,
  "status_message": "Conflict of Business Logic",
  "message": "refundRejectionForProductAmountExceed",
  "is_error": true,
  "errors": "Array"
}
```

Refund Status Check

This API gives your application the power to check the order **Refund** status.

Endpoint

```
POST https://demo-api.frontpayment.no/api/v1/connect/terminal/orders/refund-status/{ {ORDER_UUID} }
```

Authorization

Include a **Bearer Token** in the `Authorization` header. You can obtain this token from **Front Payment**.

Example:

```
Authorization: Bearer YOUR_FRONTPAYMENT_BEARER_TOKEN
```

Response

A successful request will return a `200 OK` status with the following JSON payload:

```
{
  "status_code": 200,
  "status_message": "OK",
  "refund_status": "REFUNDED",
  "message": "orderRefundedSuccessfully",
  "is_data": false,
  "data": null
}
```

```
{
  "status_code": 200,
  "status_message": "OK",
  "refund_status": "REJECTED",
  "message": "refundRequestRejectedSuccessfully",
}
```

```
"is_data": false,  
"data": null  
}
```

API returns a `404` error, it means requested order with `ORDER_UUID` could not be found in our system.

```
{  
  "status_code": 404,  
  "status_message": "Not Found",  
  "message": "orderNotFound",  
  "is_error": false,  
  "errors": null  
}
```

API returns a `510` error, it means something failed on the server side

```
{  
  "status_code": 510,  
  "status_message": "Execution Exception Occurred",  
  "message": "Something Went Wrong",  
  "is_error": true,  
  "errors": "Array"  
}
```

Cancel Refund Request

This API allows you to cancel Refund request into Terminal.

Endpoint

```
POST https://demo-api.frontpayment.no/api/v1/connect/terminal/orders/cancel/{ {ORDER_UUID} }
```

Authorization

Include a **Bearer Token** in the `Authorization` header. You can obtain this token from **Front Payment**.

Example:

```
Authorization: Bearer YOUR_FRONTPAYMENT_BEARER_TOKEN
```

Request Payload

Send the following parameters as a JSON object in the request body:

```
{
  "type": "refund"
}
```

Validation Rules

Make sure your request meets the following requirements:

| Field | Type | Description |
|-------------------|---------------------|---|
| <code>type</code> | <code>string</code> | Required Using type. Available type is <code>refund</code> |

Response

A successful request will return a `200 OK` status with the following JSON payload:

```
{
  "status_code": 200,
  "status_message": "OK",
  "message": "refundRequestRejectedSuccessfully",
  "is_data": false,
  "data": null
}
```

API returns a `404` error, it means requested order with `ORDER_UUID` could not be found in our system.

```
{
  "status_code": 404,
  "status_message": "Not Found",
  "message": "orderNotFound",
  "is_data": false,
  "data": null
}
```

API returns a `417` error, it means requested payload is not valid.

```
{
  "status_code": 417,
  "status_message": "Client Error",
  "message": "payloadValidationErrors",
  "is_error": true,
  "errors": "Array"
}
```

API returns a `510` error, it means something failed on the server side

```
{
  "status_code": 510,
  "status_message": "Execution Exception Occurred",
  "message": "Something Went Wrong",
  "is_error": true,
  "errors": "Array"
}
```