

# Subscription Manager

Integration Guide v.1.2.1



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# 1 Introduction

The Subscription Manager allows you to create and store recurring payments in advance, based on a date interval and a recurrence rate.

A typical application would be a magazine subscription, for which the customer has to pay the same amount every month until he cancels it.

The subscription payment can be created in several ways:

- Manually in your ePDQ account
- Via a transaction in e-Commerce, DirectLink or Batch.

## 2 Subscription Manager in the back office

Clicking the "Subscription" item via "Advanced" in your account menu will take you to the Subscription management dashboard, which is divided into 4 parts:

- Subscription status (default page) shows an overview of your current subscriptions. Clicking on the number of subscriptions corresponding to a given status will display the list of subscriptions.
- Global parameters allows you to configure your subscription manager options.
- Edit/View subscriptions allows you to search for, view and edit any subscription you may have stored in your account. It is also possible, instead of viewing via the browser, to download a list of subscriptions in a text file.
- Create subscription allows you to create new subscriptions manually.

### 2.1 Configuration

In the "Global Parameters" tab, you can define the following settings:

- Number of retries when a payment fails. It is possible that one of the payments has an error. Our system will retry it for as many times as is configured here (max. 5). The interval between each retry is one day.
- What to do when the maximum number of retries has been reached.
  - If you choose to deactivate a subscription, no further payments will be made for it.
  - If you choose to proceed with the next occurrence as defined in the subscription, the next payment will be made at the next occurrence.
  - In both cases, the failed payment will remain unsettled after the maximum number of retries has been reached. In the event that a payment failed after the maximum number of retries has been reached, a notification email will be sent to the email address configured in the "Transaction emails" tab on the "Technical information" page of your account.
- Disclaimer (e-Commerce only) defines whether or not to display a message requesting the buyer's consent to the storage of his payment data and the future subscription payments. If you do not wish to use the default disclaimer provided by ePDQ, we strongly recommend you to request the buyer's consent to the storage of his payment data and the future subscription payments on your side.

### 2.2 Creating a subscription

In order to create a subscription, you must provide the following information:

Field	Description
Subscription ID	A unique identifier for the subscription. This is not an OrderID, as each occurrence of the subscription will be a separate payment.
Name/e-mail/phone	Card/account holder's information
Credit Card/Direct Debits	The payment method, and subsequent account or card information.
Recurrence	<p>You can choose between daily, weekly or monthly. For each choice, you can fine-tune the recurrence (for weekly, you can choose the day of the week, for monthly, you can choose the day of the month.)</p> <p>If you wish to have a recurrence every few days, you must choose "Daily" and then set the required number of days.</p> <p>The same rule is valid for weeks and months, e.g. if the recurrence should be the fifth of every two months, you put <i>Recurrence</i> on "Monthly", and <i>Payment occurs on the "5" of every "2" month(s)</i>.</p> <p><u>Note:</u></p>

Field	Description
	<ul style="list-style-type: none"> <li>- When the day of the month for the subscription is greater than the available number of days in the current month (e.g. there is no February 30th), the subscription will use the last available day of the month instead.</li> <li>- If you create a subscription with a Start date in the past, we will change the Start date to a future date, based on any of the values you entered with Recurrence (see above).</li> </ul>
Start date / End date	<p>Date range of the subscription.</p> <p>If the date of the last payment of the subscription is on the exact date of the end date, the payment will be processed.</p>
OrderID	Order identifier that will be included in each payment of the subscription. Clicking the <i>"add dd/MM/yyyy"</i> button will include the date in the OrderID, so as to easily differentiate each subscription payment.
COM	Order description included in each subscription payment. Clicking the <i>"add dd/MM/yyyy"</i> button will include the date in the COM-field, in order to easily differentiate each subscription payment.
Comment	Free text to store a comment for the merchant
Status	Setting the subscription to "active" will trigger payments as configured.

**IMPORTANT**

When creating a subscription, no verification of the credit card takes place. The validity of the card will be verified with the first subscription payment.

## 2.3 Editing a subscription

The screen for editing a subscription proposes the same features as for creation.

All fields are subject to change, except for the Subscription ID. If the customer's card expires, it can be updated or changed and the subscription does not need to be recreated.

Please note, if you edit the payment dates relating to a Subscription, ePDQ may process a "catch up" payment to cover any transactions that may have otherwise been missed as a consequence of the change.

For example:

- Week 1 – Subscription created to be processed every Wednesday. First transaction is processed on that Wednesday
- Week 2 – Subscription edited on Tuesday to change the day of processing to Monday
- Week 3 – Subscription processed on Monday

## 2.4 Deleting a subscription

In order to delete a subscription, you need to look it up via the "Edit/View subscriptions" link, and click on the "delete" button next to the corresponding subscription.

**IMPORTANT**

Deleting a subscription only deletes the scheduling, and does not refund or cancel any ongoing

payments.

## 2.5 Viewing transactions

Each subscription transaction is a separate payment, with its own payID and status. You can look them up via the "View transactions" link in the Back Office.

If you wish to view all subscription transactions, it is easier to look them up via the subscription manager, by supplying the subscription ID (only the last 12 transactions will be visible).

## 3 Subscriptions via e-Commerce & DirectLink

### 3.1 Input

In order to create a subscription via e-Commerce or DirectLink, an initial transaction must be performed. In case of e-Commerce, if the initial transaction is not successful the subscription will not be created.

*Tip: If you do not wish to perform an actual transaction at the time of the subscription creation, you may submit an amount of €0, which will then only validate the card, the transaction will not be submitted to the acquirer.*

The following data must be sent along with the transaction in order to create a subscription:

Field	Format (Max ch.)	Description
SUBSCRIPTION_ID	AN (50)	Unique identifier of the subscription. The subscription ID must be assigned dynamically.
SUB_AMOUNT	N	Amount of the subscription (can be different from the amount of the original transaction) multiplied by 100, as the format of the amount must not contain any decimals or other separators.
SUB_COM	AN (100)	Order Description
SUB_ORDERID	AN (40)	OrderID for subscription payments
SUB_PERIOD_UNIT	AN (2)	"d" = daily "ww" = weekly "m" = monthly
SUB_PERIOD_NUMBER	N	Interval between each occurrence of the subscription payments.
SUB_PERIOD_MOMENT	N	Depending on <i>SUB_PERIOD_UNIT</i> (not applicable for "daily" (d) as here the moment is equal to the unit) <ul style="list-style-type: none"> <li>Weekly (ww): 1=Sunday, ... 7=Saturday</li> <li>Monthly (m): Day of the month</li> </ul>
SUB_STARTDATE	Date	Subscription start date
SUB_ENDDATE	Date	Subscription end date
SUB_STATUS	AN (1)	0 = inactive 1 = active
SUB_COMMENT	AN (200)	Comment for merchant
CN	AN (35)	Cardholder name  Must be sent in DirectLink request / default field on e-Commerce payment page)

*More information about these fields can be found in your ePDQ account. Just log in and go to: Support > Integration & user manuals > Technical guides > Parameter Cookbook.*

#### IMPORTANT

- Remember to include these fields in your SHA calculation. For more info on SHA, please refer to

the e-Commerce or DirectLink Documentation.

- The subscription payments will only be executed once the subscription status is "active". The subscription status does not change automatically to *active* at the start date defined in the subscription.

If the *EMAIL* and *OWNERTELNO* fields are completed with the order, they will also be added to the subscription.

#### NOTE

Subscription payments will always be processed as direct sales. However, when using e-Commerce, the first transaction will be processed as configured in the *Technical information* page of your account.

## 3.2 Feedback

Two parameters will be returned in the post-sale feedback:

Field	Description
subscription_id	confirmation of the unique subscription identifier
creation_status	Indicates whether the subscription was created successfully. Possible values: "OK" or "ERROR".

#### IMPORTANT

Remember to include these fields in your SHA-OUT calculation. For more info on SHA, please refer to the appropriate (e-Commerce or DirectLink) Documentation.

## 4 Subscriptions via Batch

The following fields should be submitted for batch subscription operations:

	Field (* = Required)	Type (Max ch.)	Description
1	OPERATION*	AN (8)	ADDSUBS (Add Subscription) DELSUBS (Delete Subscription)
2	CN*	AN (35)	Cardholder name
3	ACC_CARDNO*	AN (23)	Card or Bank account number
4	EXPDATE*	AN (4)	Expiry date (if applicable)
5	BRAND*	AN (25)	Brand of the payment method
6	PSPID*	AN (30)	Merchant identifier in our system
7	SUBSCRIPTION_ID*	AN (50)	Unique identifier of the subscription
8	AMOUNT*	N	Amount of the subscription, multiplied by 100 (as the format of the amount can't contain any decimals or other separators).
9	CURRENCY*	AN (3)	Currency (3-digit ISO format)
10	PERIODICITY_UNIT*	AN (2)	'd' = daily 'ww' = weekly 'm' = monthly
11	PERIODICITY_NUMBER*	N	Interval between each occurrence of the subscription payments.
12	PERIODICITY_MOMENT*	N	Depending on <i>field 10</i> <i>Daily (d)</i> interval in days <i>Weekly (ww)</i> 1=Sunday, ... 7=Saturday <i>Monthly (m)</i> day of the month
13	SUBSCRIPTION_STATUS*	N	0 – Inactive 1 – Active
14	START_DATE*	Date	Start and end dates. Note that the date format should be yyyy-MM-dd
15	END_DATE	Date	All dates are converted with the user's time zone, e.g. if the START_DATE is 2013/05/01 and the user is set to GMT-1, the date/time will be converted to 2013/05/01 1:00:00 (CET).
16	EXTERNALREF_PATTERN	AN (40)	Payment reference. You can include date patterns that will be replaced with the actual values on the payment date.  <i>Ex: subscription 123 [MM-YYYY]</i>
17	COMDESC_PATTERN	AN (100)	Order description. Here you may also use date patterns, which will be replaced with their values at the

	Field (* = Required)	Type (Max ch.)	Description
			time of each payment. <i>e.g. Your magazine [YYYYddd]</i>
18	(empty)		
19	BUYER_EMAIL	AN (50)	e-mail address
20	BUYER_TELNO	AN (50)	Telephone number
21	COMMENT	AN (200)	Free text comment

*More information about these fields can be found in your ePDQ account. Just log in and go to: Support > Integration & user manuals > Technical guides > Parameter Cookbook.*

**IMPORTANT**

- The file should be an ASCII text file
- The file should only contain one line per subscription. The lines are separated by the Carriage Return and Line Feed characters (ASCII : 13 10 – HEX : 0xD 0xA)
- The fields must be separated by a semicolon (“;”)
- The fields themselves cannot contain any semicolons (“;”)

**Example of a VISA Subscription:**

*ADDSUBS:John Doe:41111111111111111111;1012:VISA:PSPID:ID001;100:EUR;d;1;1;2010-08-13;2011-08-13;Cotisation [MM-YYYY];Paiement n° [YYYYddd];;Bill.smith@yahooyahoo.com;0000000000;comment on this subs;*

**Example of a Direct Debit Subscription:**

*ADDSUBS:John Doe:XXXXXXXXXXBLZXXXXXXXXXX;DIRECT DEBITS DE:PSPID:ID002;100:EUR;d;1;1;2010-04-20;2010-05-15 00:00:00.000;Cotisation [MM-YYYY];Paiement n° [YYYYddd];;Bill.smith@yahooyahoo.com;0000000000;comment on this subs;*

*N.B. if you copy/paste these lines to conduct a test on your test account, please ensure you replace the PSPID and account numbers.*

*For information on how to submit files via batch, please see the Batch Integration Guide.*