



Gravity Forms EPC-QR-Code for Gravity-PDF

User Documentation

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QUICK SETUP

This add-on appends a payment page to the PDF that Gravity PDF creates for a form entry. The page carries an **EPC QR code** (EPC069-12, the SEPA credit transfer QR code): your customer scans it with a banking app, and beneficiary, IBAN, amount and payment reference are filled in automatically.

REQUIREMENTS

- WordPress with **Gravity Forms 2.5** or later
- **Gravity PDF 6** or later – the free core plugin is sufficient
- **PHP 8.1** or later
- The Gravity Forms currency must be **EUR** – the EPC QR standard supports no other currency
- No external service, API key or Composer step is required – the QR code is computed on your own server

INSTALL

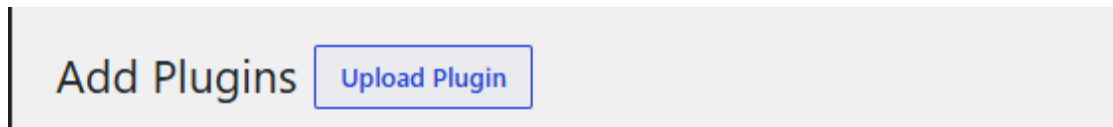
1. Upload and activate the „SP Gravity Forms EPC-QR Extension for Gravity PDF“ plugin.
2. Enter your company name and bank details once under **Forms** → **Settings** → **(e)invoice Settings**.
3. Add an **EPC-QR** feed to the form whose PDF should carry the payment page.
4. Open or download the PDF of an entry – the payment page is appended at the end.

UPLOAD AND ACTIVATE

UPLOAD

After you have downloaded and saved the „SP Gravity Forms EPC-QR Extension for Gravity PDF“ plugin, upload it to your WordPress installation.

Go to **Plugins** → **Add New**, click **Upload Plugin** at the top and choose the downloaded ZIP file in the upload field.

A screenshot of the WordPress 'Add Plugins' interface. It shows a light gray header bar with the text 'Add Plugins' on the left and a blue-outlined button labeled 'Upload Plugin' on the right.

After selecting the file, click the **Install Now** button.

ACTIVATE

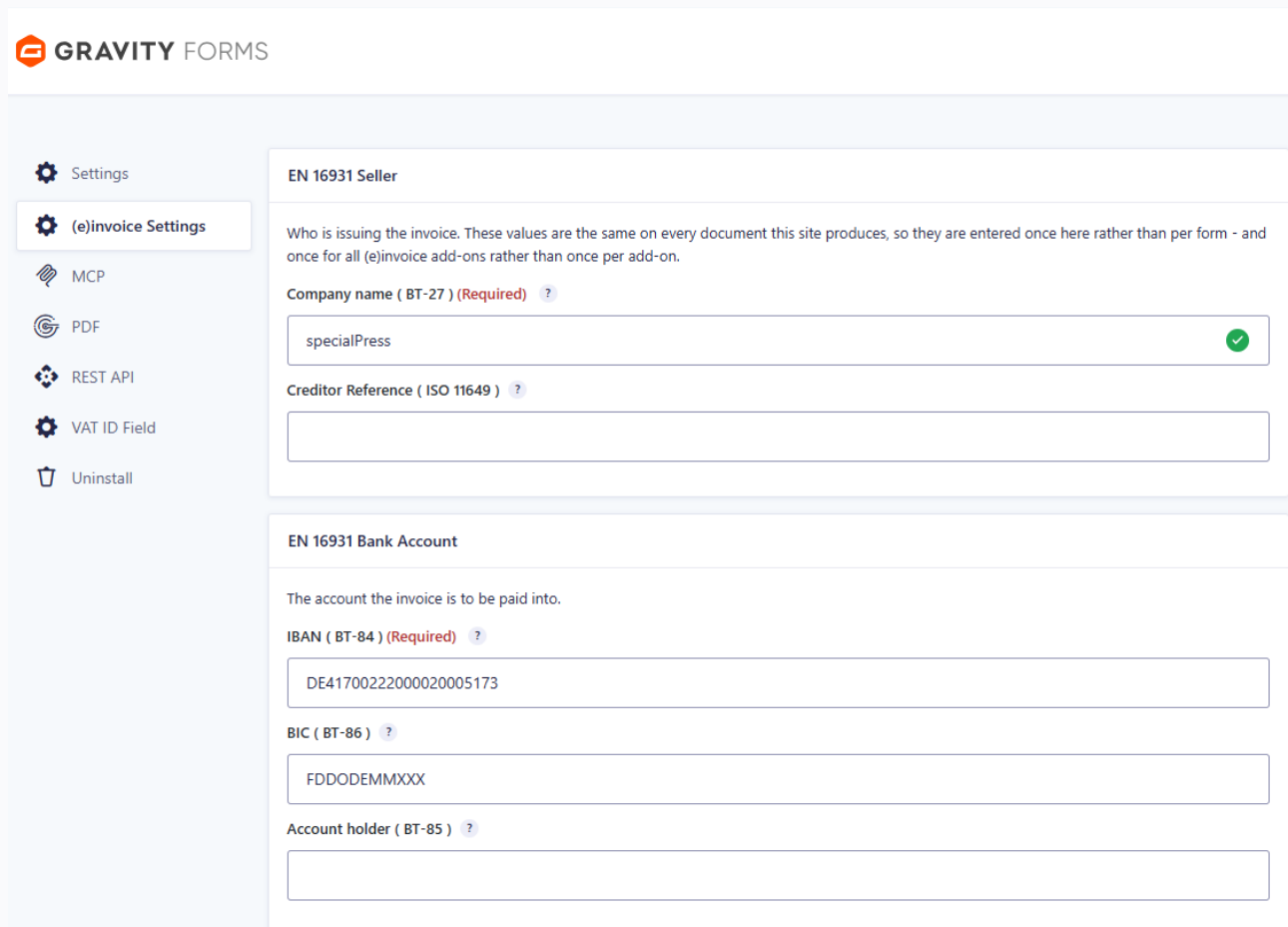
Once the plugin has been uploaded, WordPress shows a success screen. Click **Activate Plugin** to activate it.

Tip: Gravity Forms and Gravity PDF must both be active. If one of them is missing, the add-on does not break anything – it simply shows on the feed screen what is missing.

SETUP YOUR SETTINGS

The plugin needs a few company details. They are entered on the shared **(e)invoice Settings** page, which you find under **Forms → Settings → (e)invoice Settings**.

Screenshot: (e)invoice Settings



GRAVITY FORMS

- Settings
- (e)invoice Settings**
- MCP
- PDF
- REST API
- VAT ID Field
- Uninstall

EN 16931 Seller

Who is issuing the invoice. These values are the same on every document this site produces, so they are entered once here rather than per form - and once for all (e)invoice add-ons rather than once per add-on.

Company name (BT-27) (Required) ?

specialPress ✓

Creditor Reference (ISO 11649) ?

EN 16931 Bank Account

The account the invoice is to be paid into.

IBAN (BT-84) (Required) ?

DE41700222000020005173

BIC (BT-86) ?

FDDODEMMXXX

Account holder (BT-85) ?

[Forms → Settings → (e)invoice Settings, sections "EN 16931 Seller" and "EN 16931 Bank Account"]

The following fields are used by the EPC-QR add-on:

Fieldname	Description
Company name (required)	The name of the person or company to whom the payment is to be made. The EPC standard allows a maximum of 70 characters.

Fieldname	Description
Creditor Reference	Optional structured payment reference in accordance with ISO 11649 (starts with “RF”). The structure and the ISO 7064 MOD 97-10 check digits are validated when saving.
IBAN (required)	The IBAN of the account that receives the payment. The check digits and the country-specific format are validated when saving.
BIC / SWIFT	The BIC of the receiving bank. Optional within the SEPA area. Length (8 or 11 characters), structure and the country code at positions 5-6 are validated.
Account holder	Only needed if the account is held under a different name than the company name above. If empty, the company name is used as beneficiary.

One settings page for all (e)invoicePress add-ons

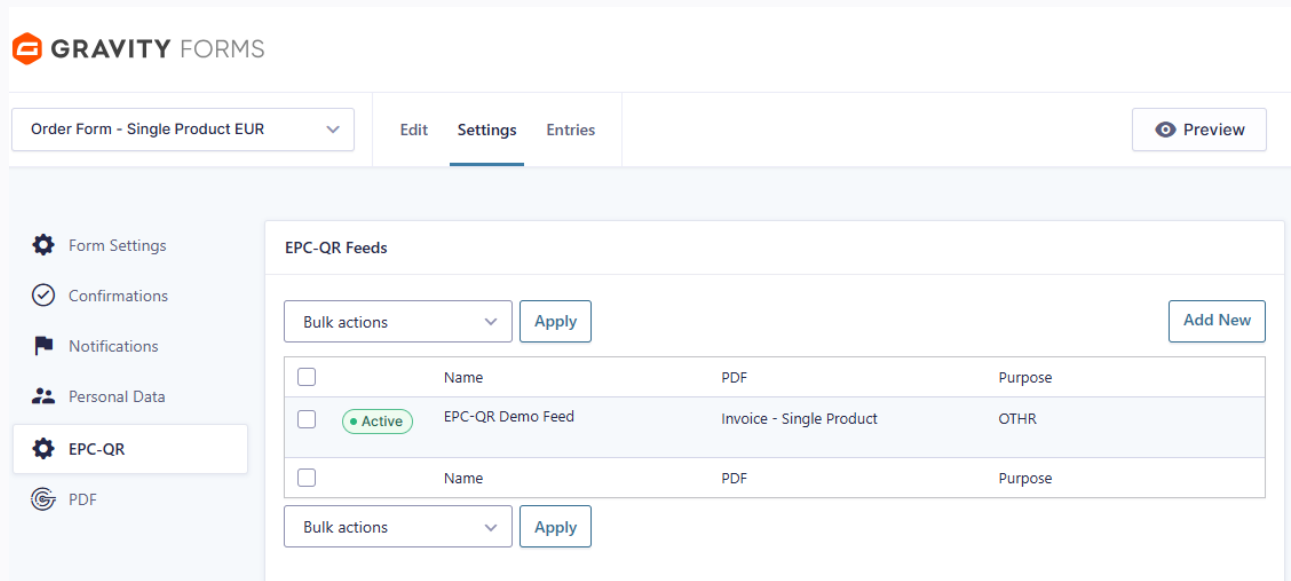
All add-ons of the (e)invoicePress family share this page. Company name, IBAN, BIC and creditor reference are entered **once** and are available to every add-on – there is no second IBAN to keep in sync.

Company name and IBAN are marked as required **only because this add-on is active** – an EPC QR code cannot exist without them. If you run only other add-ons of the family, these fields stay optional.

SETUP YOUR FEED

The payment page is configured per form with a feed. Open the form, go to **Settings** → **EPC-QR** and click **Add New**.

 Screenshot: EPC-QR feed list



GRAVITY FORMS

Order Form - Single Product EUR ▼ Edit **Settings** Entries Preview

- Form Settings
- Confirmations
- Notifications
- Personal Data
- EPC-QR**
- PDF

EPC-QR Feeds

Bulk actions ▼ Apply Add New

☐	Name	PDF	Purpose
☐	• Active EPC-QR Demo Feed	Invoice - Single Product	OTH
☐	Name	PDF	Purpose

Bulk actions ▼ Apply

[Form → Settings → EPC-QR with the "Add New" button]

 Screenshot: EPC-QR feed settings

 GRAVITY FORMS

Order Form - Single Product EUR
Edit
Settings
Entries
Preview

Form Settings
Confirmations
Notifications
Personal Data
EPC-QR
PDF

EPC-QR payment page

Name (Required)

Add the page to (Required) ?

Purpose ?

Remittance information

The EPC standard allows EITHER a structured creditor reference OR free text, never both. This is where that choice is made.

Use

☒ The creditor reference when one is configured, otherwise the text below
☐ Always the creditor reference from the shared settings
☐ Always the text below

Text ? {..}

Beneficiary to originator information ? {..}

Setting	Description
Name	A name for your own overview.
Add the page to	Every PDF of this form, or one specific PDF. Choose a specific one if the form produces more than one document - e.g. an invoice and a confirmation. A payment code belongs on the invoice only.
Purpose	One of seven ISO 20022 purpose codes, e.g. supplier payment, tax payment, salary or pension.
Remittance information	Defines whether the creditor reference or the text is used - see below.
Text	What the payer sees as payment reference. Merge tags are supported.

Setting	Description
Beneficiary to originator information	Optional. Part of the standard, but ignored by most banking apps.
Heading / Introduction	The wording shown on the payment page. Merge tags are supported.
Rebuild PDFs that already exist	Off by default. See chapter “Troubleshooting”.
List the payment details	Shows the table with the payment details below the QR code.
Condition	Standard Gravity Forms conditional logic.

Reference or text – never both

The EPC standard allows **either** a structured creditor reference **or** a free remittance text – never both. The feed therefore lets you choose:

Mode	Behaviour
auto (default)	The creditor reference if one is configured in the settings, otherwise the text.
reference	Always the creditor reference.
text	Always the text.

If auto chooses the reference although a text was entered too, this decision is written to the log.

Invoice number and date via merge tags

Gravity PDF does not keep an invoice number of its own – depending on your setup it comes from a form field, an invoice template or another add-on. Simply use the merge tags your document already uses in the **Text** field, e.g.:

```
Invoice {Invoice Number:12} of {date_dmy}
```

The merge tag names above are examples – use the ones of your own form.

Conditional logic

The PDF is not created when the form is submitted, but whenever it is requested – when a notification is sent, a download link is clicked or an entry is opened. The feed condition is therefore evaluated **at that moment against the stored entry**. Conditions on entry fields work as expected; conditions on values that only exist during submission do not.

THE PAYMENT PAGE

The payment page is added as an additional page at the end of the PDF. Your invoice template itself stays untouched.

 Screenshot: Payment page in the PDF

Pay by bank transfer

Scan this code with your banking app to prefill the transfer.



Field	Value
Beneficiary	specialPress
IBAN	DE41700222000020005173
BIC	FDDODEMMXXX
Amount	EUR 119.00
Purpose	OTHR - Other

The code follows the EPC069-12 standard for SEPA credit transfers and works with any banking app that supports it.

[the appended page with heading, introduction, QR code and payment details]

The page contains:

- a **heading** and a short **introduction**, both configurable per feed;
- the **QR code**, 45 mm square, error correction level M – easy to scan from a printed invoice;
- a **table of the payment details** that were actually encoded in the QR code (can be switched off per feed).

The table is generated from the content of the QR code itself, not from the settings. It can therefore never show something the code does not contain – and a wrong value becomes visible instead of staying hidden in the code. It also makes the page usable for payers without a banking app.

WHERE EACH VALUE COMES FROM

QR code content	Source
Beneficiary	Setting “Account holder”, otherwise “Company name”
IBAN	Setting “IBAN”
BIC	Setting “BIC / SWIFT”
Creditor reference	Setting “Creditor Reference”
Amount	The order total of the entry - the same total Gravity Forms shows
Purpose	Feed setting “Purpose”
Remittance text	Feed setting “Text”, merge tags replaced
Information	Feed setting “Beneficiary to originator information”

Amount: A form without pricing fields results in an amount of 0. This is not an error – the QR code is then created without an amount and the banking app asks the payer to enter it.

ROBUST BY DESIGN

Only a value that definitely cannot work prevents the page. A malformed BIC only costs the BIC, an unknown purpose code only the purpose, and a remittance text longer than 140 characters is shortened. Every such decision is logged. A PDF that is created while a notification is being sent can never fail because of the payment code, and the page is never appended twice to the same document.

LAYOUT AND PAGE MARGINS

The payment page uses its own margins, so it looks the same regardless of the invoice template it is appended to. Defaults: 20 mm left and right, 22 mm top, 20 mm bottom. The margins are only added to what the template already provides, so a template with generous margins is not indented twice. The HTML footer of your template also appears on the payment page – ideal if it contains your bank details.

The margins can be adjusted with a filter (values are limited to 0–80 mm):

```
add_filter( 'sp_epcqr_page_margins', function ( $m ) {  
    $m['left'] = $m['right'] = 25;  
    $m['top']  = 30;  
    return $m;  
} );
```

CHECKS AND TROUBLESHOOTING

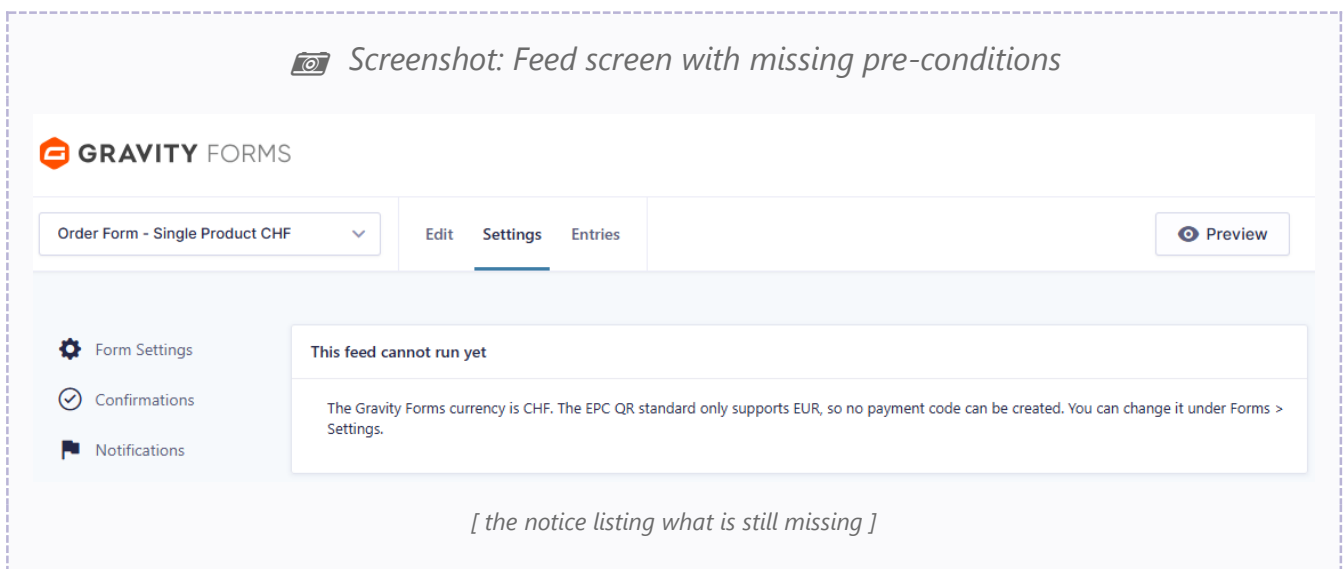
PRE-CONDITIONS

Before you configure a feed, the feed screen lists everything that is still missing:

1. the Gravity Forms currency is **EUR**;
2. **Gravity PDF** is active;
3. the form has at least one **Gravity PDF** document configured;
4. **company name and IBAN** are entered on the (e)invoice Settings page.

The same checks run when the PDF is created. If a condition is not met there, the page is skipped and the reason is logged.

 Screenshot: Feed screen with missing pre-conditions



WHEN THE PAGE DOES NOT APPEAR

1. **No feed, or no company name and IBAN.** Both are named on the feed screen.
2. **The PDF already existed.** Gravity PDF creates documents in two ways:

Path	Behaviour
Display / download	Always rendered - the payment page appears.
Saved file (notification attachment, stored PDF)	Generation is skipped if the file already exists on disk.

An entry whose PDF was saved before you added the feed therefore keeps its old document. New entries get the page automatically. Switch on **Rebuild PDFs that already exist** in the feed to force a rebuild. The option is off by default because it bypasses Gravity PDF's cache on every request.

3. **Something else.** Enable logging for **EPC-QR** under **Forms** → **Settings** → **Logging**. The add-on writes a line every time a PDF is generated – followed by the exact reason if the page was skipped. If there is no line at all, the PDF generation itself was not triggered.

 Screenshot: Gravity Forms logging

[Insert screenshot here – Forms → Settings → Logging with "EPC-QR" enabled]

USING THE SHARED SETTINGS PAGE

The **(e)invoice Settings** page can be used by your own plugins. Instead of defining a field, a plugin **requests** the fields it needs from a shared field catalogue – a field requested by several plugins still appears only once.

REQUESTING CATALOGUE FIELDS

```
EInvoicePress_Fields::init();

EInvoicePress_Fields::request( array(
    'en16931_seller_name',
    'en16931_seller_iban',
) );
```

Read a value from anywhere:

```
$iban = EInvoicePress_Settings::get( 'en16931_seller_iban' );
```

ADDING YOUR OWN SECTION

A field that belongs to your plugin alone can be contributed as a separate section:

```
add_filter( 'einvoicepress_settings_sections', function ( $sections ) {

    $sections[] = array(
        'title'      => 'My Section',
        'priority'   => 20,    // optional, lower comes first, default 50
        'fields'     => array(
            array( 'name' => 'my_plugin_value', 'type' => 'text', 'label' => 'My
value' ),
        ),
    );

    return $sections;
} );
```

CUSTOMISING A CATALOGUE FIELD

A catalogue field can be adjusted for your plugin only, guarded by a check on your own add-on class:

```
add_filter( 'einvoicepress_field_catalogue', function ( $catalogue ) {
    if ( ! class_exists( 'My_Add_On' ) )
        return $catalogue;
    $catalogue['en16931_seller_iban']['required'] = true;
    return $catalogue;
} );
```

```
} );
```

TWO THINGS TO GET RIGHT

- Register `EInvoicePress_Fields::request()` and the filters in your plugin's **bootstrap**, not in an add-on's `init()` – Gravity Forms builds the settings page during `init`, so anything added later arrives too late.
- **Prefix your own field names.** All sections share one option row, so two plugins using the same name would overwrite each other. Only the catalogue fields (`en16931_seller_...`) are deliberately unprefixed.

VALIDATED FIELD TYPES

The add-on also provides three Settings API field types that you can use in your own settings: `iban`, `bic` and `iso11649` (creditor reference). They validate exactly like the fields on the (e)invoice Settings page.

```
$fields[] = array(
    'name'   => 'company_iban',
    'type'   => 'iban',
    'label'  => __( 'Company IBAN', 'your-textdomain' ),
    'class'  => 'medium',
);
```

CHANGELOG

1.1.0

- The shared settings page gained new optional company fields (legal form, trading name, register details, GLN/DUNS, an electronic address) and an optional SEPA Creditor Identifier, encrypted like the IBAN.
- Internal: the entry point that appends the EPC QR page now implements a small shared interface used across the family's QR add-ons. No change to the payment page itself.

1.0.1

- The beneficiary fields moved into the shared field catalogue and are requested – not redefined – by every add-on that needs them.
- Company name and IBAN are now required fields for this add-on.
- Values stored under the pre-1.0.1 field names are carried over automatically, once.

1.0.0

- Initial release.