Gravity Forms Swiss QR-Billfor Gravity-PDF

User Documentation

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Quick Setup

This add-on appends a complete Swiss **QR-bill** – payment part and receipt – to the PDF that Gravity PDF creates for a form entry. Your customer pays by scanning the Swiss QR Code with a banking app, or cuts the payment part off and hands it in at a counter.

The add-on is built to the **Swiss Implementation Guidelines QR-bill version 2.4**, in force from **14 November 2026**, and follows the Style Guide QR-bill for layout and typography.

Requirements

- WordPress with **Gravity Forms 2.5** or later
- **Gravity PDF 6** or later – the free core plugin is sufficient
- **PHP 7.4** or later – no additional PHP extensions (in particular no bcmath)
- The Gravity Forms currency must be **CHF** or **EUR** – a QR-bill supports no other currency
- A **Swiss or Liechtenstein IBAN** (CH or LI) for the creditor account
- No external service, API key or Composer step is required – everything is computed on your own server

Install

1. Upload and activate the „SP Gravity Forms Swiss QR-Bill Extension for Gravity PDF“ plugin.
2. Enter the creditor details once under **Forms → Settings → (e)invoice Settings**.
3. Add a **Swiss QR-Bill** feed to the form whose PDF should carry the payment part.
4. Open or download the PDF of an entry – the QR-bill is appended on a new page at the end.

Upload and Activate

Upload

After you have downloaded and saved the „SP Gravity Forms Swiss QR-Bill 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.

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

Activate

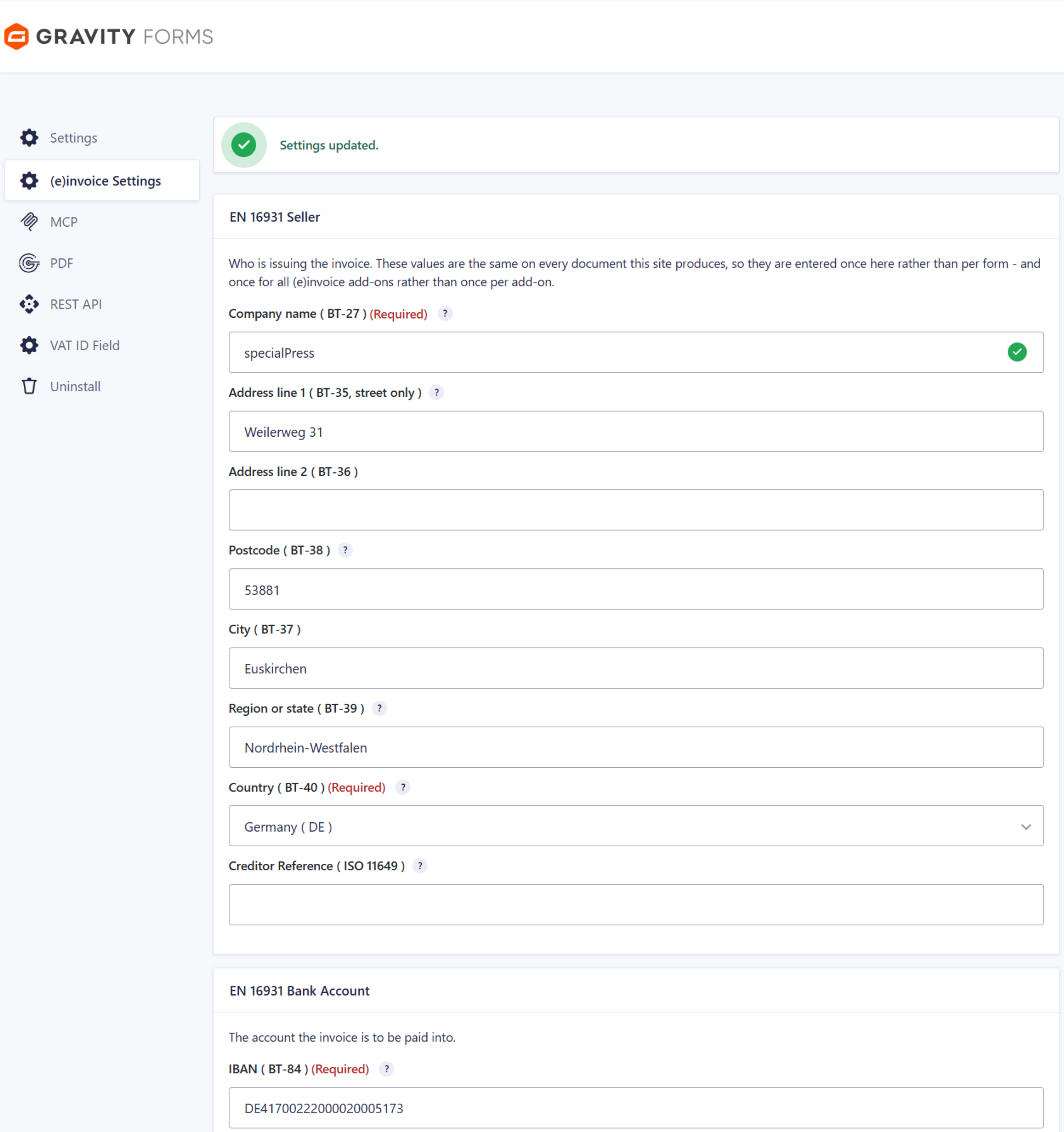
Once the plugin has been uploaded, WordPress shows a success screen. Click **Activate Plugin** to activate it.

> **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 creditor details are entered on the shared **(e)invoice Settings** page under **Forms → Settings → (e)invoice Settings**, in the section **Creditor (Swiss QR-bill)**.

Screenshot: (e)invoice Settings – Creditor (Swiss QR-bill)



[Forms → Settings → (e)invoice Settings, section “Creditor (Swiss QR-bill)”]

Fieldname	Description
Name (required)	The account holder exactly as your bank knows them – the details on the bill must match the account. At most 70 characters.
IBAN or QR-IBAN (required)	The creditor account. The check digits are validated when saving, and only CH and LI IBANs are accepted.
Street	Street name without the house number.
House number	The house number.
Postcode (required)	Postcode without a country prefix.
Town (required)	The town.
Country (required)	Two-letter ISO 3166-1 country code, e.g. CH or LI.

> **Why postcode, town and country are required:** since version 2.4 of the guidelines the structured address is compulsory. The former combined address type is no longer allowed.

Why the Swiss QR-bill has its own creditor block

The QR-bill needs a structured address as separate values, and it accepts only CH or LI IBANs – often specifically a QR-IBAN. The SEPA/EPC bank details of other add-ons follow different rules. The creditor block is therefore kept separate, so a value validated against one standard is never used under another.

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

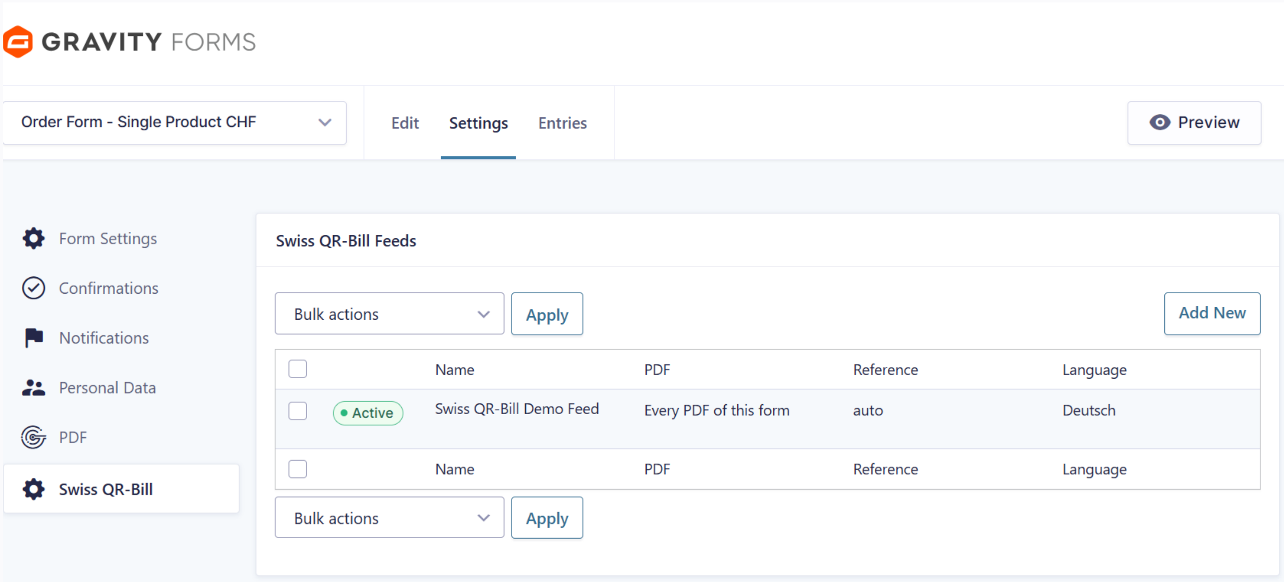
All add-ons of the (e)invoicePress family share this page, and each contributes its own section. Since version 1.1.0 the page also offers optional company fields such as legal form, trading name, register details, GLN/DUNS, an electronic (PEPPOL/EDI) address and a SEPA Creditor Identifier. They are used by other add-ons of the family and are not required for the QR-bill.

> **Multisite:** The settings are stored per site. Please enter the creditor details on every site that uses a Swiss QR-Bill feed.

Setup your Feed

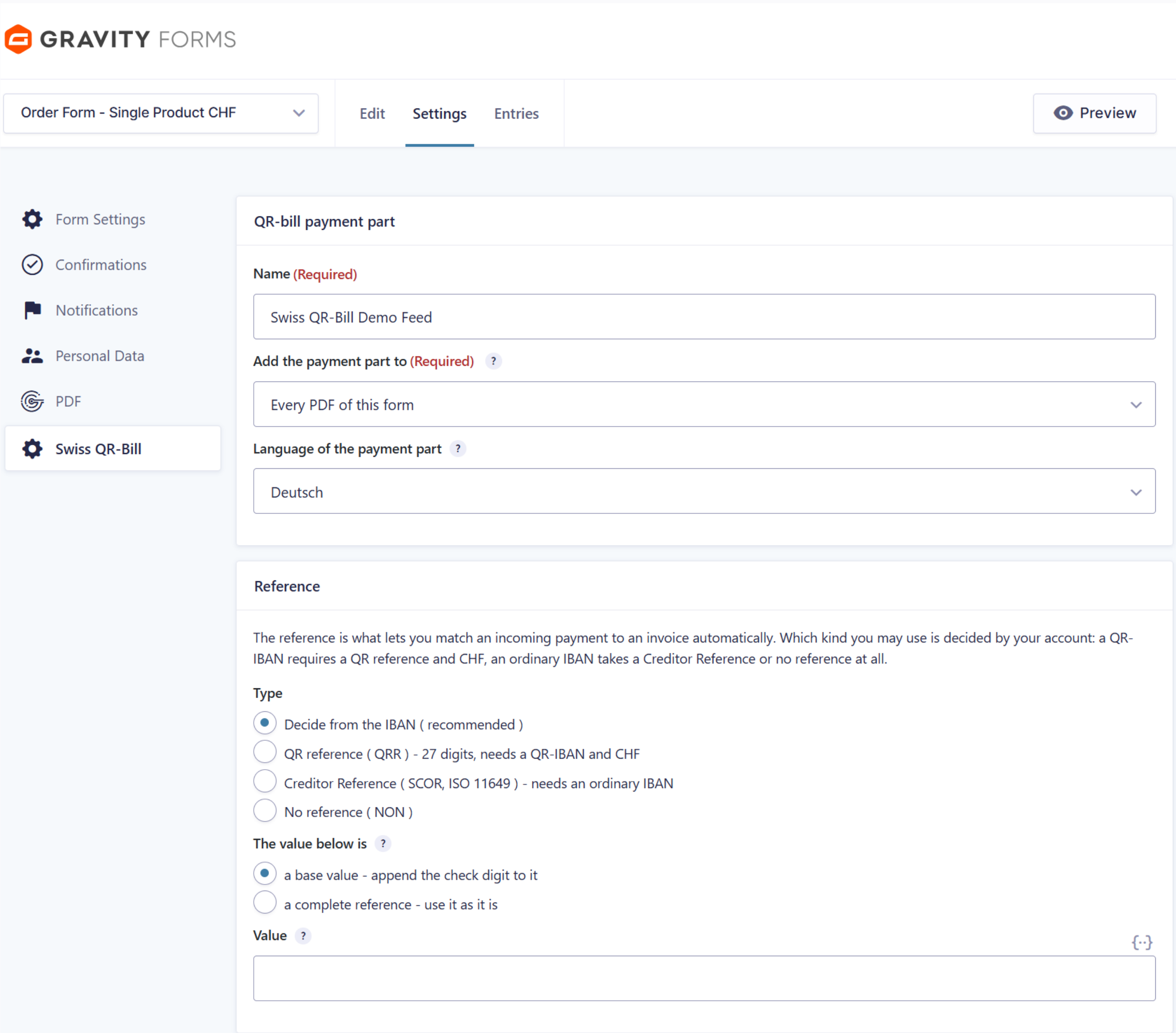
The QR-bill is configured per form with a feed. Open the form, go to **Settings → Swiss QR-Bill** and click **Add New**.

Screenshot: Swiss QR-Bill feed list



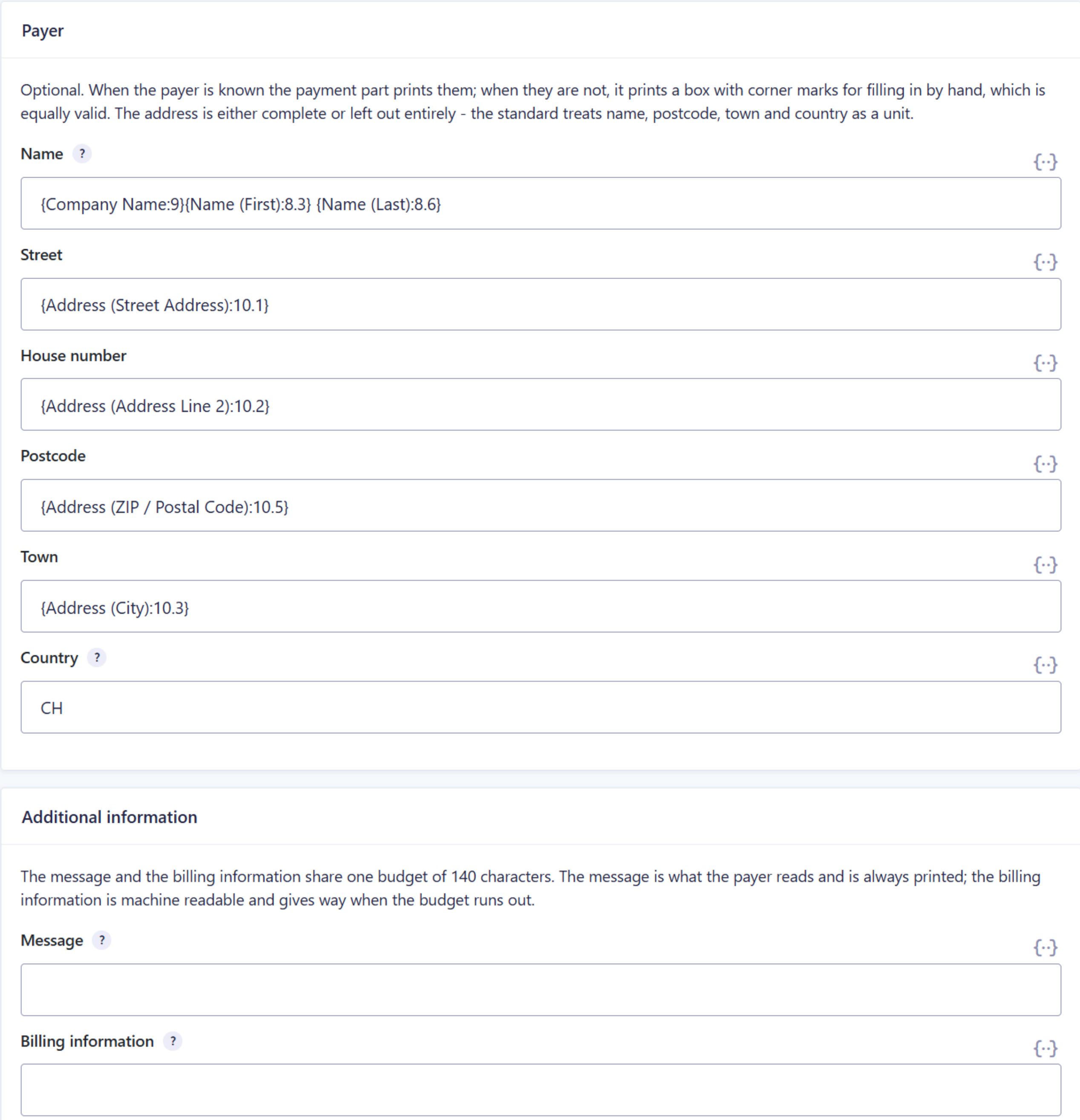
[Form → Settings → Swiss QR-Bill with the "Add New" button]

Screenshot: Swiss QR-Bill feed settings



[the complete feed settings screen]

Screenshot: Swiss QR-Bill feed settings



[the complete feed settings screen]

Setting	Description
Name	A name for your own overview.
Add the payment part to	Every PDF of this form, or one specific PDF. Choose a specific one if the form produces more than one document – a payment part belongs on the invoice only.

Setting	Description
Language of the payment part	German, French, Italian, Romansh or English - independent of the language of your WordPress site.
Reference → Type	Decide from the IBAN (recommended), QRR, SCOR or NON - see chapter "References".
Reference → The value below is	Either a base value to which the check digit is appended, or a complete reference.
Reference → Value	Merge tags supported - this is where your invoice number goes.
Payer	Name, street, house number, postcode, town and country of the payer. All fields support merge tags.
Message	Free text for the payer, printed under "Additional information".
Billing information	Coded information for automated posting, e.g. Swico S1.
Alternative scheme 1 / 2	Optional alternative procedures, e.g. eBill.
Text above the payment part	Printed above the upper cut line, outside the payment part.
Draw the cut lines	Prints the cut lines with scissors symbol. On by default.
Mark as an advice note, not payable	Produces the advice-note variant: amount 0.00 and the prescribed wording.
Rebuild PDFs that already exist	Off by default. See chapter "Checks and Troubleshooting".
Condition	Standard Gravity Forms conditional logic.

No free text inside the payment part

The guidelines allow only the prescribed headings and values inside the payment part and the receipt – it must not be used for advertising or other texts. Anything you want to tell your customer therefore goes into **Text above the payment part**, which is printed above the upper cut line.

Five languages

The headings of the payment part are prescribed wording in German, French, Italian, Romansh and English – not translations. The language is chosen per feed, so a German-language WordPress can print an Italian payment part, and one form can differ from the next.

Advice notes

Switch on **Mark as an advice note, not payable** for a bill that must not be paid. The amount is fixed at 0.00 and the prescribed "do not use for payment" wording is printed in the chosen language. The 0.00 also ensures that a conversion into an eBill cannot be released for payment.

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.

References

The reference lets you match an incoming payment to an invoice automatically. Which type you may use depends on your account, not on preference:

Type	Requires	Format
QRR - QR reference	a **QR-IBAN** and **CHF** (since version 2.4)	exactly 27 digits, check digit by modulo 10 recursive
SCOR - Creditor Reference (ISO 11649)	an **ordinary** IBAN; CHF or EUR	"RF" + 2 check digits + up to 21 characters
NON - no reference	an ordinary IBAN	no reference

QR-IBAN

A **QR-IBAN** is an IBAN whose five-digit institution ID lies between 30000 and 31999. It obliges you to use a QR reference – and since a QR reference is CHF only in version 2.4, a QR-IBAN cannot be used for a EUR bill at all. The feed screen reports this combination before you configure anything.

Decide from the IBAN (recommended)

- a **QR-IBAN** results in **QRR**;
- an **ordinary IBAN with a reference value** results in **SCOR**;
- an **ordinary IBAN without a value** results in **NON**.

Building the reference per invoice

A reference identifies one invoice, so it is normally created per document. Select **base value** and enter the merge tag your document uses for the invoice number, e.g.:

```
{Invoice Number:12}
```

The merge tag above is an example – use the one of your own form. The add-on then:

- for **QRR** removes everything that is not a digit, pads the result to 26 digits with leading zeros and appends the check digit;
- for **SCOR** uses the value as reference part and computes the two ISO 7064 check digits.

> **Existing references are respected:** if the value already is a complete and valid reference, it is passed through unchanged instead of being used as a base value – so a stored “RF18…” never becomes “RF97RF18…”. This is written to the log.

The QR-Bill

The QR-bill is added on a new page at the end of the PDF. The bottom 105 mm of that page carry the payment part and the receipt, on the lower cut edge as the guidelines require. Your invoice pages stay untouched.

Screenshot: QR-bill in the PDF

[the appended page with receipt, payment part, Swiss QR Code and cut lines]

Layout

Element	Size
Whole block	210 × 105 mm at the foot of the page
Receipt / payment part	62 mm / 148 mm
Swiss QR Code	exactly 46 × 46 mm, error correction level M, at least 5 mm clear space
Swiss cross	7 × 7 mm, centred on the code

Element	Size
Amount box (open amount)	40 × 15 mm on the payment part, 30 × 10 mm on the receipt
Payer box (unknown payer)	65 × 25 mm on the payment part, 52 × 20 mm on the receipt
Acceptance point area	20 mm high, on the receipt

The payment part includes the cut lines with scissors symbol and the "separate before paying in" notice. The running header and footer of your invoice template are switched off **for this page only**, because nothing else may be printed in the payment part area. Your invoice pages keep theirs.

Where each value comes from

QR-bill content	Source
Creditor (IBAN, name, address)	The (e)invoice Settings
Amount	The order total of the entry - the same total Gravity Forms shows
Currency	The Gravity Forms currency (CHF or EUR)
Reference	The feed - the check digit is calculated automatically
Payer	The feed, merge tags replaced
Message, billing information, alternative schemes	The feed, merge tags replaced

Open amount and unknown payer

A form without pricing fields results in an amount of 0 – that is not an error. The payment part then prints an empty box with black corner marks in which the payer writes the amount by hand. The same applies to an unknown or incomplete payer address. A donation form therefore works as well as an invoice.

Robust by design

Only a value that definitely cannot work prevents the QR-bill:

- a message longer than the shared 140-character budget is shortened – the billing information gives way first;
- an incomplete payer address is dropped and the box for filling in by hand is printed instead;
- an amount outside the permitted range becomes an open amount;
- typographic characters such as ’ – … that WordPress inserts automatically are converted to their plain equivalents, so “L’Atelier” stays readable and payable.

Every such decision is written to the log. A PDF that is created while a notification is being sent can never fail because of the QR-bill, and the payment part is never appended twice to the same document.

What changed in version 2.4

Change	Effect
QR reference and QR-IBAN are CHF only	“QR-IBAN plus EUR” is no longer possible and is reported on the feed screen.
The structured address is compulsory	Creditor postcode, town and country are required fields.
Romansh is a fifth language	Five languages to choose from in the feed.

> **EUR bills:** euroSIC is being discontinued. QR-bills in EUR will be settled as SEPA credit transfers from November 2027 at the latest; the payer address and a message accompanying a structured reference may then not reach the creditor. The add-on writes a corresponding note to the log for EUR bills.

Checks and Troubleshooting

Pre-conditions

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

1. the currency is **CHF or EUR**;
2. **Gravity PDF** is active;
3. the form has at least one **Gravity PDF** document configured;
4. the **QR encoder** shipped with Gravity PDF is present;
5. the **creditor block** is complete – name, IBAN, postcode, town, country;
6. the IBAN is a **CH or LI** IBAN;
7. a **QR-IBAN** is only used with **CHF**.

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

When the payment part does not appear

1. No feed, or an incomplete creditor block. Both are named on the feed screen.

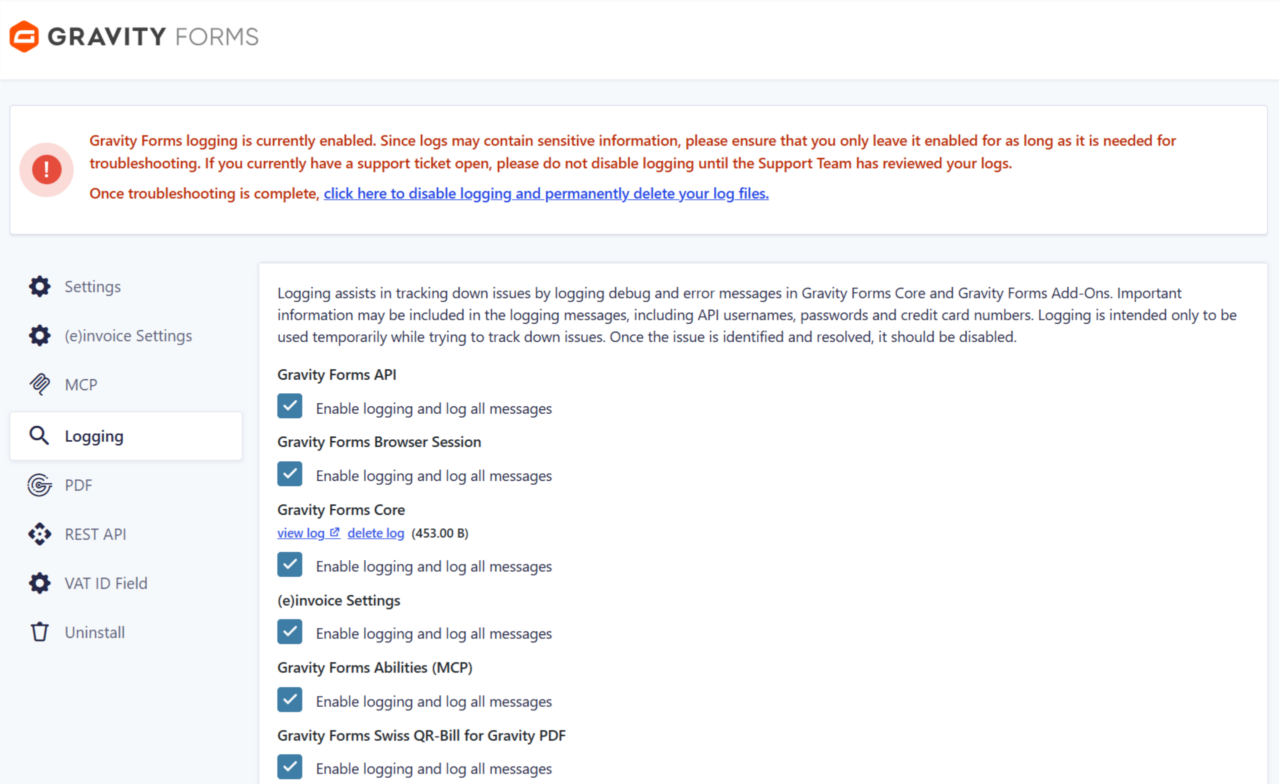
2. The PDF already existed. Gravity PDF creates documents in two ways:

Path	Behaviour
Display / download	Always rendered - the payment part 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 payment part 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 **Swiss QR-Bill** under **Forms** → **Settings** → **Logging**. The add-on writes a line every time a PDF is generated – followed by the exact reason if the payment part was skipped, and by every value that went into the code. If there is no line at all, the PDF generation itself was not triggered.

Screenshot: Gravity Forms logging



[Forms → Settings → Logging with "Swiss QR-Bill" enabled]

Fonts

The guidelines permit Arial, Frutiger, Helvetica and Liberation Sans only. None of them ships with mPDF, so the add-on uses the closest available font in this order: **freesans** (metrically a Helvetica, installed with Gravity PDF’s default fonts), **helvetica**, **arial** and finally **dejavusanscondensed**. For best results, make sure the Gravity PDF core fonts are installed.

For Developers

Adjusting the Layout

Every position is a named constant, collected in one filterable array:

```
add_filter( 'sp_swissqr_geometry', function ( $g ) {
    $g['payment']['angaben_y'] = 14.0;    // values column a little higher
    $g['payment']['qr_y']      = 18.0;    // code a little lower
    return $g;
} );
```

Normative values – the block division, the 46 mm code, the 7 mm cross, type and box sizes – come from the guidelines and should not be changed. Adjustable are the starting positions of the areas and the column split, within the tolerance the Style Guide allows.

Further filters: `sp_swissqr_origin` moves the 210 × 105 mm block on the sheet (useful on paper wider than A4), and `sp_swissqr_fonts` changes the font candidate list:

```
add_filter( 'sp_swissqr_fonts', function ( $list ) {
    return array_merge( array( 'liberationsans' ), $list );   // if installed
yourself
} );
```

Adding Your Own Settings Section

Your own plugin can contribute a section to the **(e)invoice Settings** page:

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

    $sections[] = array(
        'title'    => 'My Section',
        'priority' => 30,   // optional, lower comes first, default 50
        'fields'   => array(
            array( 'name' => 'my_plugin_value', 'type' => 'text', 'label' => 'My
value' ),
        ),
    );

    return $sections;
} );
```

Read a value from anywhere:

```
$value = EInvoicePress_Settings::get( 'my_plugin_value' );
```

Two things to get right

- Register the filter 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 field names.** All sections share one option row, so two plugins using the same name would overwrite each other.

THE QR REFERENCE FIELD TYPE

The QR reference ships as a portable two-file package (`class.sp-qrr-validator.php` and `class.gf-settings-field-qrr.php`) that you may copy into any Gravity Forms plugin. It validates the 27 digits and the modulo 10 recursive check digit:

```
$fields[] = array(
    'name'  => 'qr_reference',
    'type'  => 'qrr',
    'label' => __( 'QR reference', 'your-textdomain' ),
    'class' => 'medium',
);
```

The same applies to the `iban` and `iso11649` field types the plugin carries. All class declarations and type registrations are guarded, so two plugins carrying the same package coexist without conflicts.

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 QR-bill now implements a small shared interface used across the family's QR add-ons. No change to the QR-bill itself.

1.0.0

- Initial release: complete Swiss QR-bill – payment part and receipt – appended to a Gravity PDF document.
- Built against Implementation Guidelines QR-bill version 2.4, with CHF-only QR reference, compulsory structured address and Romansh as fifth language.
- QRR, SCOR or no reference; reference built per invoice from a merge tag or taken as a complete value.
- Five correspondence languages, open amount and payer boxes, advice-note variant.
- Layout adjustable through three filters; optional rebuild of already saved PDFs.
- English and German translations.