Multipage Recipe Support in UniOP

This technical note introduces the Multipage Recipe support initially available in Designer versions 5.05 and firmware version 4.20.

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1. Introduction

So far, UniOP has supported a straightforward recipe organization: while many recipes could be defined in a UniOP Project, each one was limited to a single Project page.
Many users found this solution to be clear and easy to use and quite sufficient for their application.

This technical note describes the Multipage Recipe organisation introduced for the current version of Designer software and Firmware.
In this version of UniOP Firmware and Designer Software, the one page - one recipe restriction has been removed: now data belonging to a single recipe can be scattered over several project pages and yet be downloaded or uploaded as a whole.
A recipe spanning several pages is called “Multipage recipe”.

2. Multipage Organisation

Currently, the user can define only one multipage recipe and as many standard, single-page recipes as he wishes.
The multipage recipe can contain any number of pages, even all pages in the Project.
This simple solution with just only one multipage receipt per project results in only a minor change in Designer software use for the user.

2.1. Designer Configuration

In order to enable Multiple Page Recipe feature in Designer software you should define the desired number of single page recipes in your project and for each of these page you should check the “Multipage recipe” checkbox in the Recipe Configuration dialog box as shown in Figure 1.

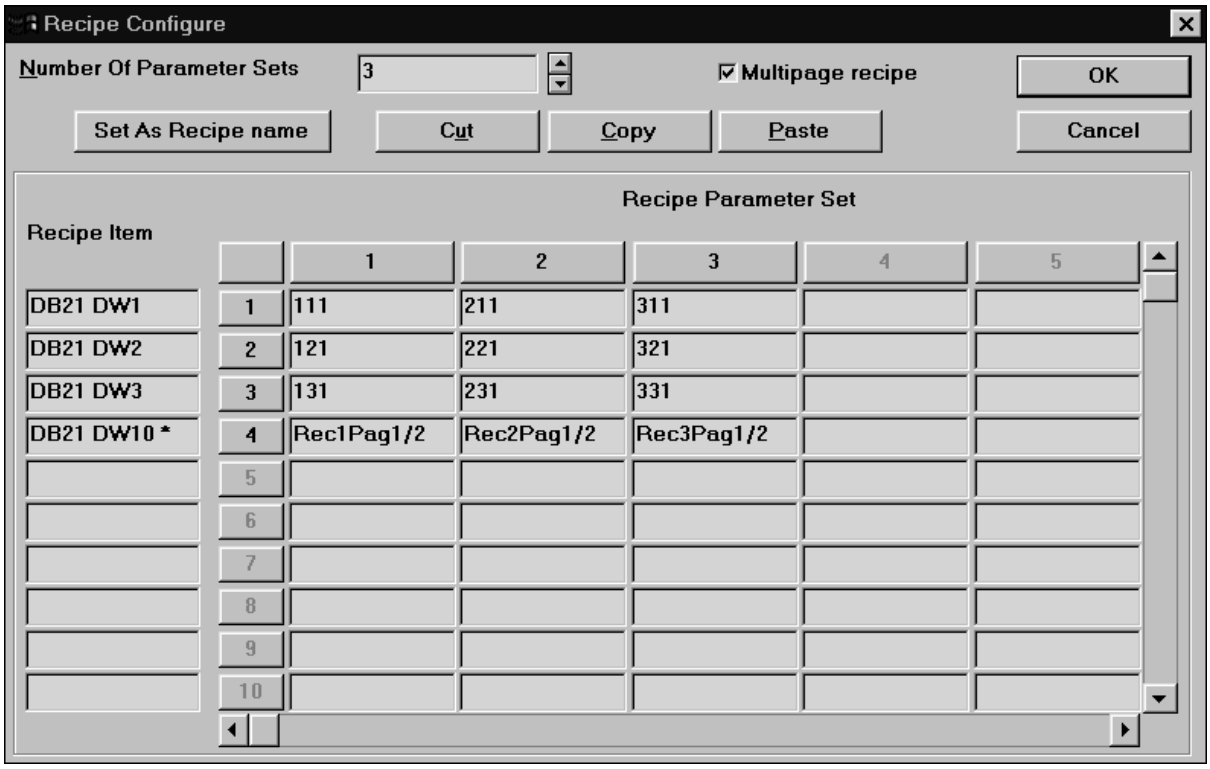

Figure 1. Recipe Configuration dialog box.

By checking the checkboxes, all multipage recipe pages are linked together and any recipe-related action done in run-time (i.e. on the UniOP) on any linked page will result in the same action being done for all the pages. This refers to parameter set selection, upload and download.
In other words the set selection, the download and upload process can be done referring at each page contained in the multipage recipe.

You should respect the fact that in Designer, the definition of parameter sets number and values for the multipage recipe is still done pagewise, as it was for standard, single-page recipes.

You should make sure to define an equal number of parameter sets in all pages belonging to the multipage recipe, otherwise the upload and download of the recipe may be aborted in the middle.
In addition you have to make sure that the variables on the pages of the multipage recipe are different otherwise you could have problems in data integrity during download and upload operations.

For any recipe page not contained in the multipage recipe, the user should simply leave the checkbox unchecked, as it is by default. In all pages belonging to the multipage recipe, the checkbox must be checked.

3. Menu Recipe Feature in Multipage Recipe

Of course also the Recipe Menu features are enabled on multipage recipe and you can manage it with the menu in the same way as single page recipes.

You should make sure that the recipe name is defined in only one page of the multipage recipe.
If you want to display names in the recipe menu for the multipage recipe the Recipe Page for Selection field must refers to the page that contains the ASCII field declared as “Recipe Name”.

Appendix A. Hardware and Software Requirements

In order to use successfully the multipage recipe feature you must have Designer 5.05 or higher and firmware version 4.20 or higher in UniOP.