2L FIELD DEVELOPER v 11.X

FORMS, SPREADSHEETS AND APPLICATIONS

With **2L Field Developer** you can create sophisticated data collection systems, visually presented by forms (or spreadsheets).
Within the integrated test environment you can only test the individual forms.

1. FORM OR SPREADSHEET

When you are allowed to select an individual form in the project menu, you will have the possibility to start the form in standard form mode. This is visually exactly the same as in the integrated test mode.
But you can also start your data collection (on the handheld) in spreadsheet mode. Instead of the visual forms you will see a spreadsheet grid with rows and columns, an on screen keyboard and a menu structure.
The specifications for the columns (display width, input length, decimals, input type, lists, obligatory etc.) are taken from the data fields as developed in the form designer. The font used in the spreadsheet will be the font that has been selected for the first data field. However not all font sizes are available in spreadsheet mode, this is because of the space available on the handheld screen. The font sizes in spreadsheet mode can vary from 3 up to 6 (see table 1).

Font size in spreadsheet mode for form	Rows of data visible on 1/4 VGA screen (portrait)	Rows of data visible on 1/4 VGA screen (landscape)
2	7	6
3	6	5
4	4	3
5	2	2

Table 1

Form specific elements (Texts, Frames and Pictures) have no meaning in spreadsheet mode.
Buttons and Icons however, can still be used from the spreadsheets main menu, when they have been designed as menu-button and menu-icon. They can also appear underneath the spreadsheet to replace the on-screen keyboard. There are 2 small buttons visible ('b' and 'k') to toggle between on-screen keyboard and on -screen buttons.

The actual value of the selected cell is displayed in the input-field just above the spreadsheet. If the active field contains editable data (A-, N-, L- or M-field) this value can be changed. If a field was defined with a list, this list will automatically pop-up when you start editing. Multi-line fields (Selection list, Stack field and Memo field) should not be used in spreadsheet mode.

The width of a column in spreadsheet mode can be changed by use of the command DISPWIDTH. With this command you can change the display width from 0 (this will make the column hidden) up to half of your screen width. Never use the command DISPWIDTH 0 for the first column in your spreadsheet. And if you use the command DISPWIDTH always use it in combination with a command that rebuilds the screen, like SHOW, NEXT, LAST etc.

2. APPLICATION OR USER SELECTABLE FORMS

Normally the handheld user will first select the project to work on and secondly select the form to start data collection.
The form designer can however impose a specific order for the data collection activities in the selected project.
For example: the handheld user first has to log in, then he has to fill in an administrative form, and has to view the work details for the day and so on.
If this is the case (the handheld users form selection is restricted or predefined) the project is called an Application.
To create an application with **2*L* Field Developer** is very easy. You only need to create a so-called start form (START.FRM) in your project, and this project will automatically be treated as an application on the handheld. By selecting this application project, the handheld user cannot select one of the available forms in the project, but only has the option to start the application (the START.FRM form).
Note: the START.FRM form must have at least a menu or an END Button, so the user can also finish or exit the project.