

Cellica Database Anywhere for Android

User Guide

PRODUCT VERSION: 4.0.0

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1 INTRODUCTION

Being away from your office does not mean not having the access to your data. Consider the scenario when you want to carry a copy of the database on your Android device, update the data and send updated data from Android device to original database on PC. Now it is possible with the Cellica Database Anywhere.

Cellica Database Anywhere for Android allows you to be more productive by allowing viewing and updating the database contents on your Android device. Cellica Database Anywhere for Android device allows to sync with Microsoft Access, Microsoft Excel, and any ODBC Compliant databases like Oracle, SQL Server etc. The software package consists of two components: the Cellica Database Desktop (Server) that runs on Microsoft Windows, and Android device Cellica Database (Client) that run on the Android device. You will use the Desktop side software to create the database profiles (make the list of database) for Android phone/ Tablet and data will be synchronize with Android phone/ Tablet depending on your sync settings on phone/ Tablet.

Cellica Database on Android phone/ Tablet will receive these profiles and data respectively and view the contents of the database.

1.1 Features

- Synchronize data Wirelessly with Android phone/ Tablet (Using Internet).
- View and update data on Android phone/ Tablet, which will reflect to Server database immediately.
- Synchronize Table/View or Stored Procedure of your database with Android phone/ Tablet
- Synchronize only updated desktop data to Android device.
- Apply SQL Select queries, Filters; Sort the fields and Synchronize data according to it.
- Supports Databases: Microsoft Access 97/2000/2003/2007/2010, Microsoft Excel 97/2000/2003/2007/2010, Oracle, Microsoft SQL Server, Sybase, FileMaker Pro, DB2, MySQL, PostgreSQL, FoxPro, dBase, R:BASE and **any ODBC Compliant Database**.
- Get the data of Views and Stored Procedure of DSN base database on Android device.
- Create your own custom database on Android device, or choose from one of the predesigned templates such as Vehicle Info, Bank Account, and Membership Info etc.
- Supported Password protection.
- Supports Unicode language database such as Japanese, Chinese, Korean, Russian etc.
- Supported Forms on phone/ Tablet.
- Design form on desktop with Label, Text Field, Buttons, Checkbox, Combo box, Page control
- Supports Sub forms, Design a master/detail form, or a parent/child form using sub form.
- Send single record data on form as a .PNG image by Email.
- Image control on form, Select image on device for each record.
- Create form in Portrait/ Landscape mode.
- Import/Export form design.

- Data is not stored on any Intermediate Server.
- While synchronization data is AES encrypted and compressed.
- Data is more secured as it is transfer through SSL.
- Password protection supported for device side application.

2 USING THE CELLICA DATABASE ANYWHERE ON THE DESKTOP

This section will explain how to use **Cellica Database Anywhere** software on the PC.

Run CellicaDatabase from the shortcut available on the desktop, or use Start Menu: Start->

Programs-> Cellica Database Anywhere-> Cellica Database Anywhere.

There are three modules available here.

1. **Profile Manager**
2. **Form Manager**
3. **Settings (Preferences)**

Profile Manager allows you to select your Table/Views/Stored Procedure to transfer to device.

Form Manager allows you to design the form on the created profile in Profile Manager Module.

Preference allows to set various application preferences such as Synchronization settings, Connection Settings etc.

First use “ Profile Manger” to select your database then only use “ Form Manager” to design the form.

Once you create the Profile and Forms in desktop side Cellica Database Anywhere software, just sync from Android device to get the desktop designed form and database to Android device.

2.1 Profile Manager

Use Profile Manager to add profiles (list of database) for your Android device. Use Add Profile/ Remove Profile buttons to update the profiles list.

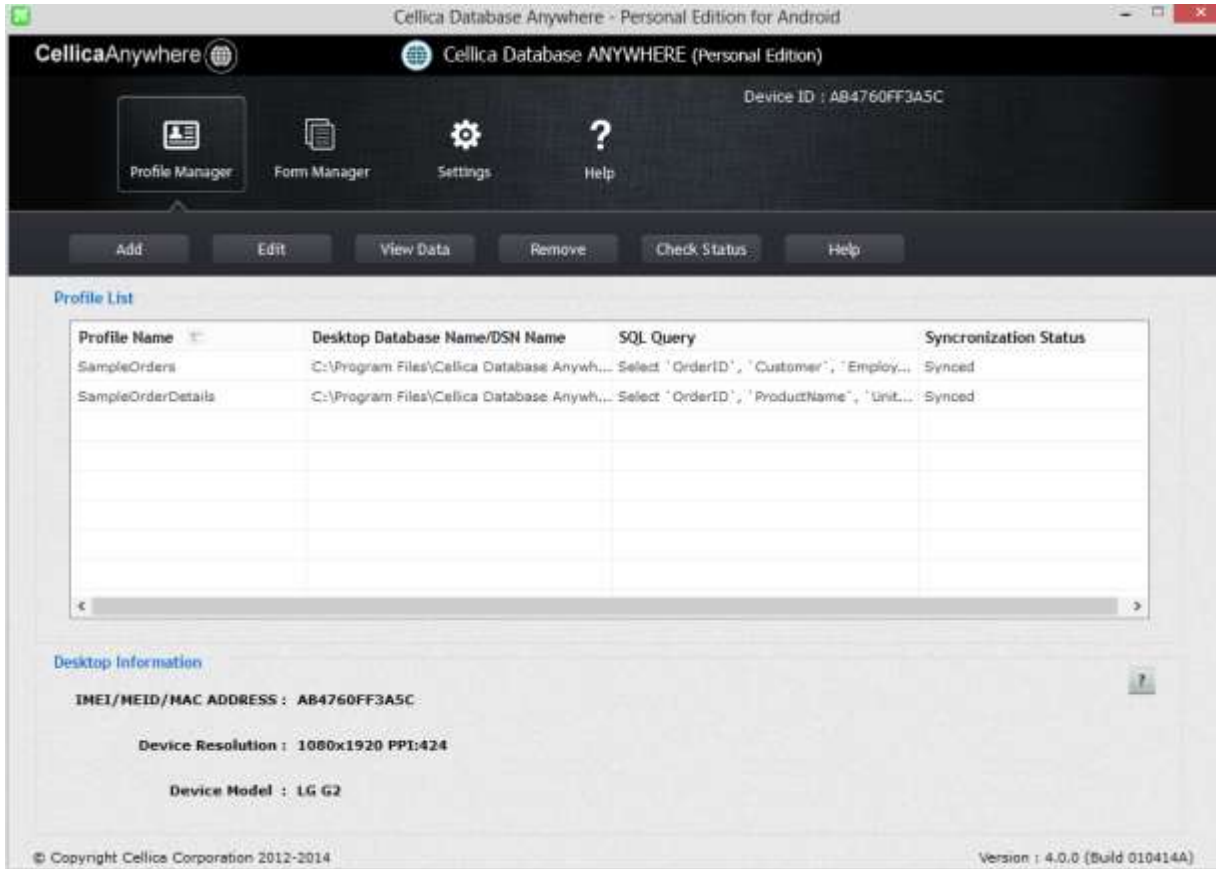


Figure 1: Profile Manager

2.1.1 Add Profile

Use Add Profile button to select the database, which you want to synchronize with Android device. On clicking “ Add Profile” button, you will get “ New Profile: Database Connection” dialog.

2.1.2 Edit Profile

Use Edit Profile button to update the selected profile. You can select another Table/Views/Queries/Stored Procedure. Also you can change the Filter/Sort/Column Sequence of selected Profile.

2.1.3 Remove Profile.

Use “ Remove Profile” button to remove the selected profile from device and desktop. This action will remove profile first from desktop software and then on next sync from device, it will be deleted from device also.

2.1.4 View Profile Data

Single Record View (Record 1 / 830)

|< << >> >| Go To Record Find

OrderID	10248
Customer	VINET
Employee	Buchanan, Steven
OrderDate	04-08-1994 00:00:00
RequiredDate	01-09-1994 00:00:00
ShippedDate	16-08-1994 00:00:00
ShipVia	Federal Shipping
Freight	32.38
ShipName	Vins et alcools Chevalier

OK Cancel Help

View records of selected profile in single record mode.

2.1.5 Selection of File base and DSN base database.

Select the database, which you want to synchronize with Android device. User can select File Based as well as DSN based database. Apply Filter/ Sort for selected tables.

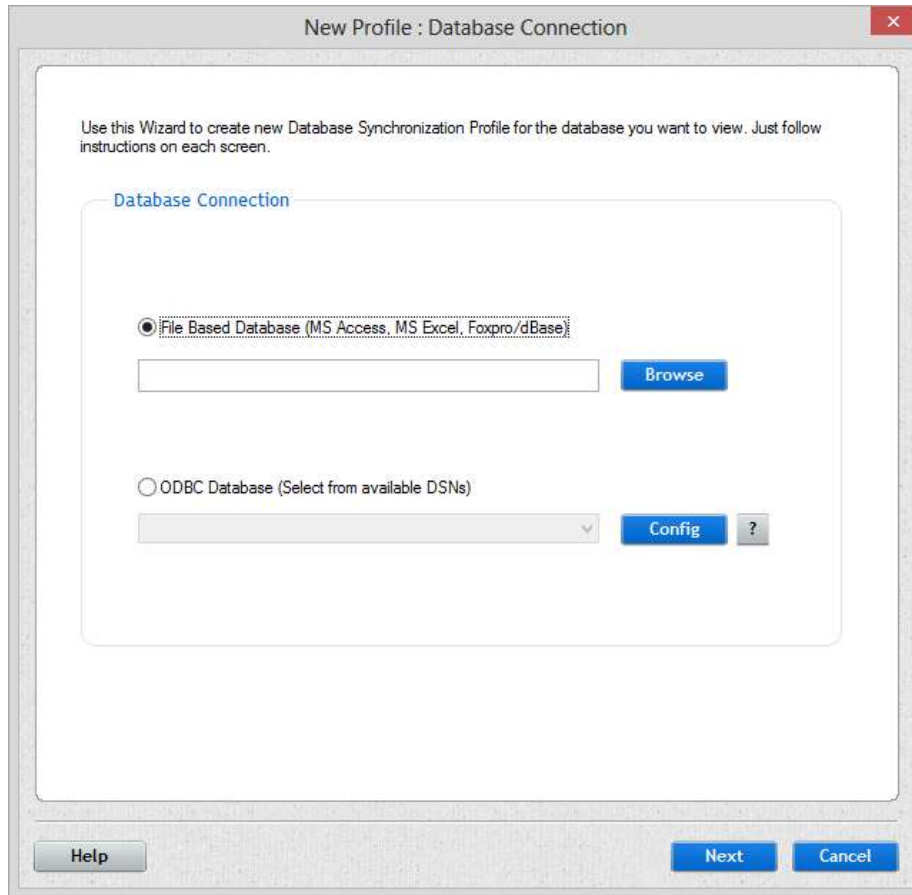


Figure 2: Database Selection

2.1.6 File Based Database

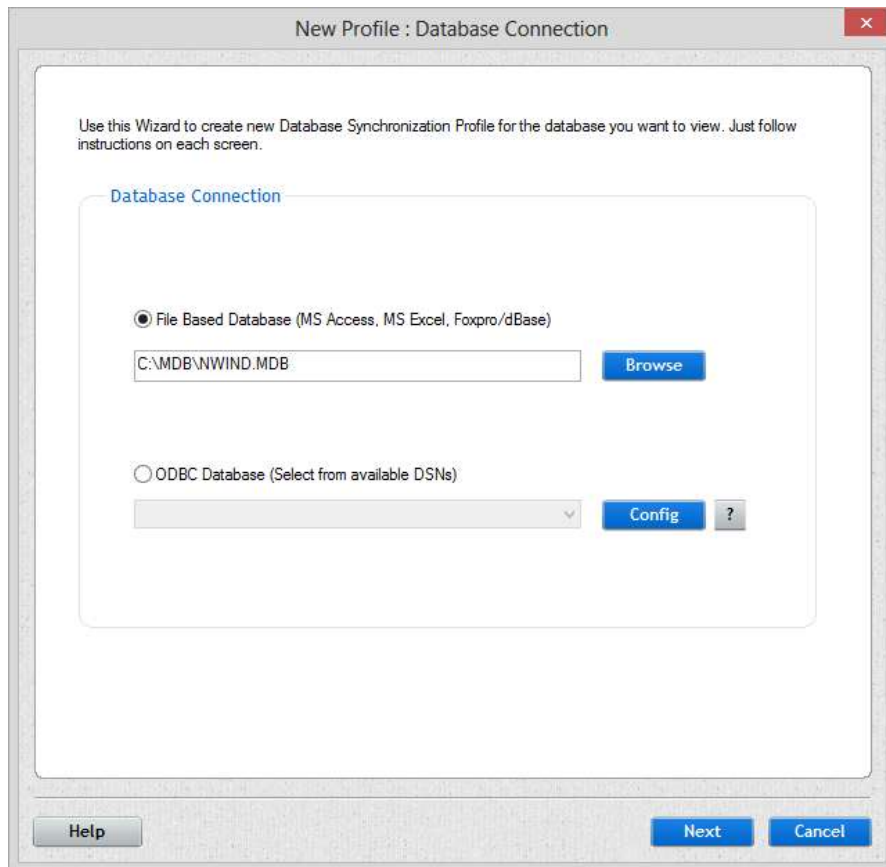
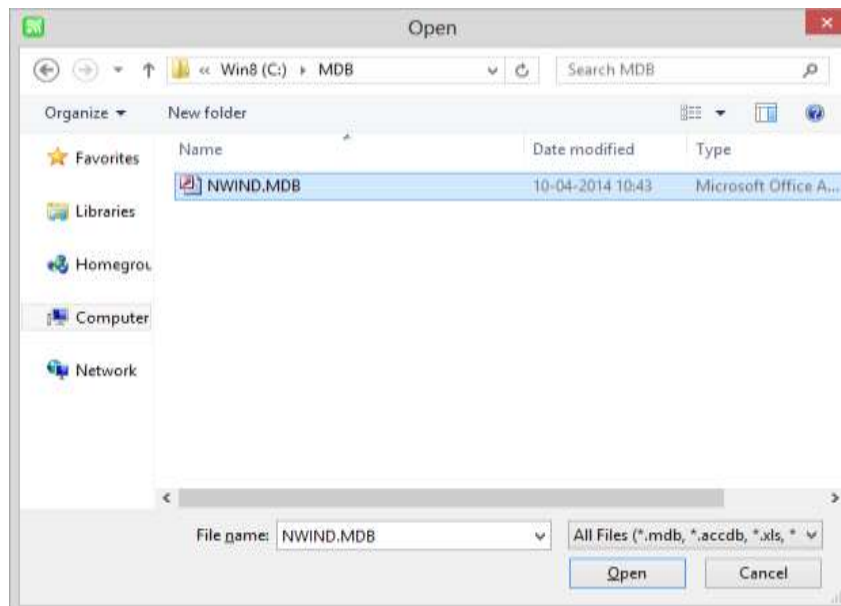


Figure 3: File Based Database Selection

Click on Browse button to select file of type: MS Access, MS Excel, FoxPro, dBase, you will get the screen as follows.



1. Select Files of type such as Microsoft Access Database (*.mdb, *.accdb), Excel Files (*.xls, *.xlsx, *.xlsm), or FoxPro/dbase Database (*.dbf) files and then select File name of your choice, for example NWIND.mdb, and click Open.
2. When you select an Excel file using Browse button, you will get a dialog prompt as:

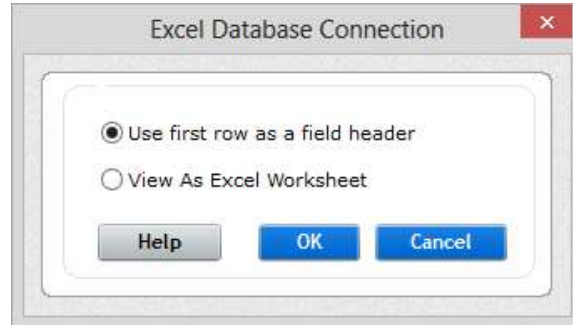


Figure 4: Excel Selection

Here, when you select "View As Excel Worksheet", contents will be shown similar to that of Excel Worksheet. Whereas, when you select "Use first row as a field header", it will be treated as a database. In this case, customized SQL queries will work on your Spreadsheet.

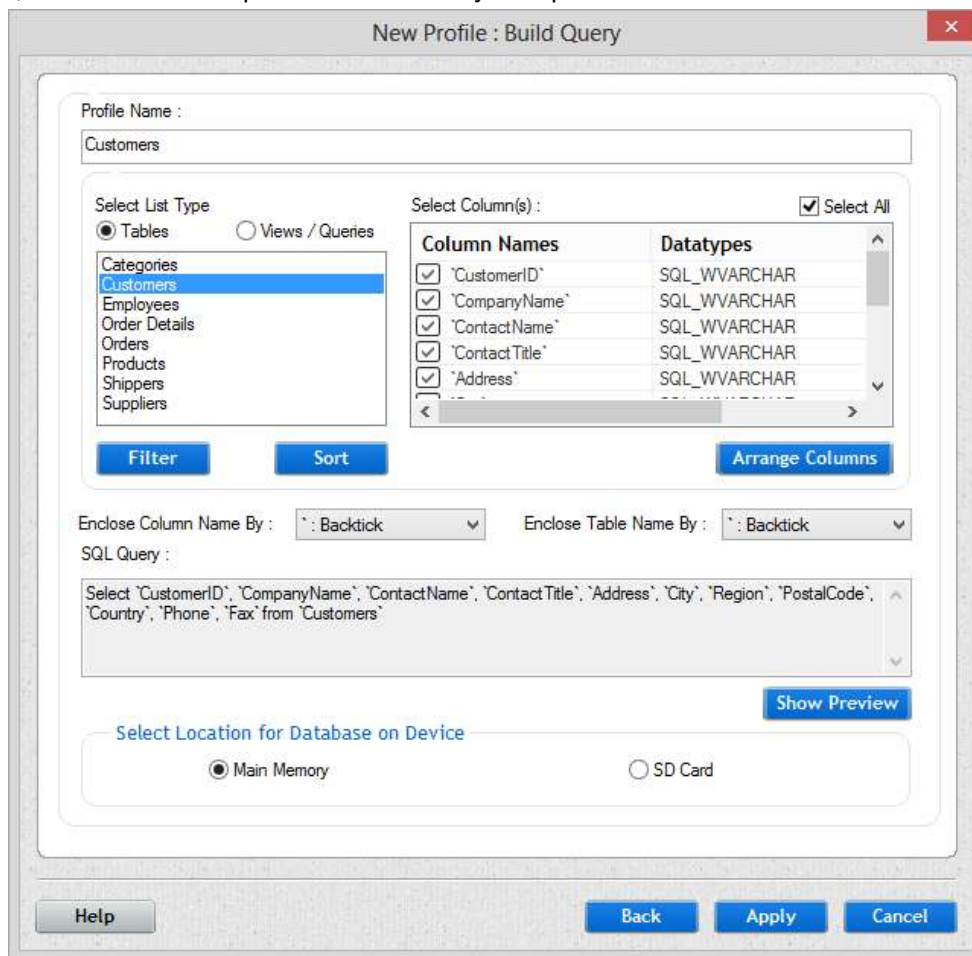


Figure 5: Table Selection

To manually apply filters and sort orders click on "Filters" and "Sort" buttons.

2.1.7 DSN based Database

Click on popup provided to select database via Database Source (DSN) such as Oracle, MySQL, and SQL Server. You will get list of available Database Source Name.

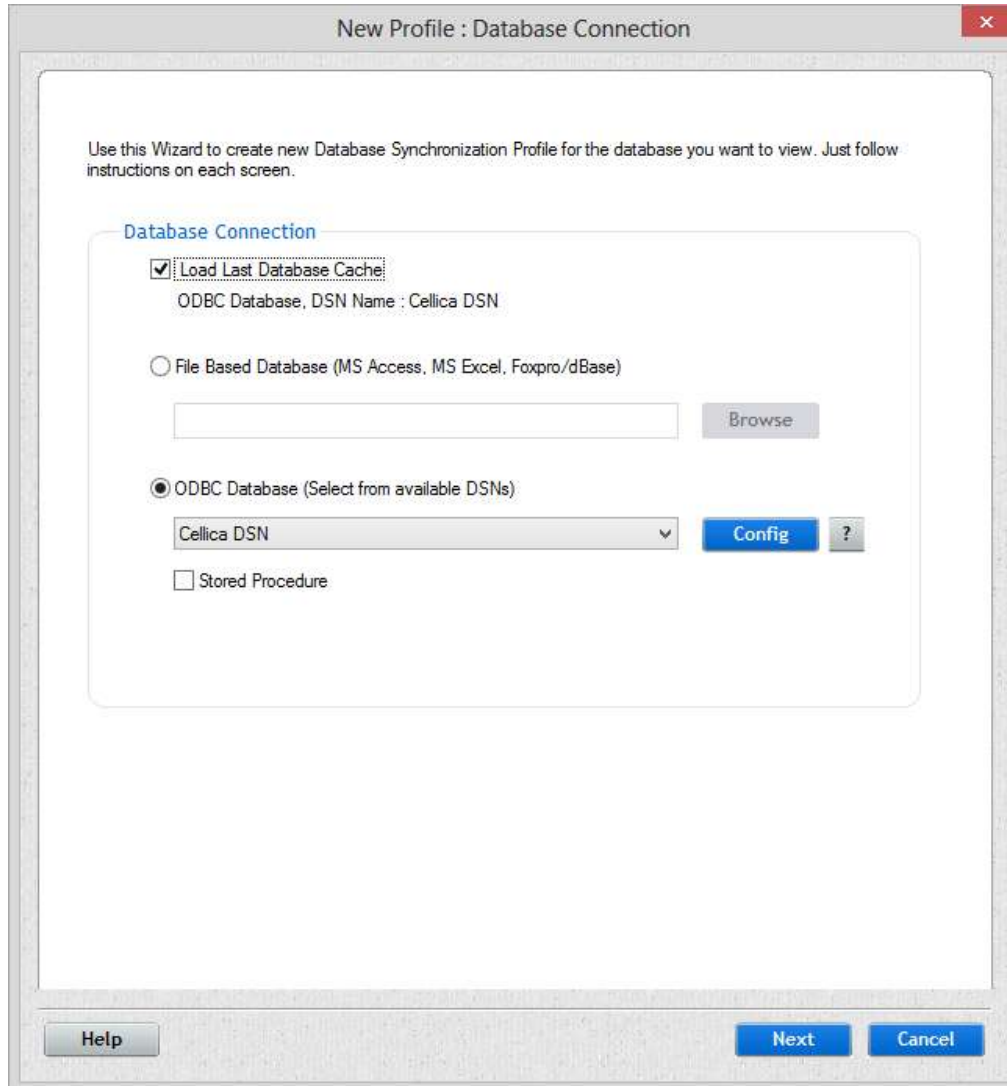


Figure 6: DSN Database Selection

You can manage DSN via ODBC Data Source Manager in Windows Control Panel.

2.1.8 Select Tables from your Database

After selection of your database, you will get following screen. Here “ Select List Type” has two options.

1. Tables
2. Views/Queries.

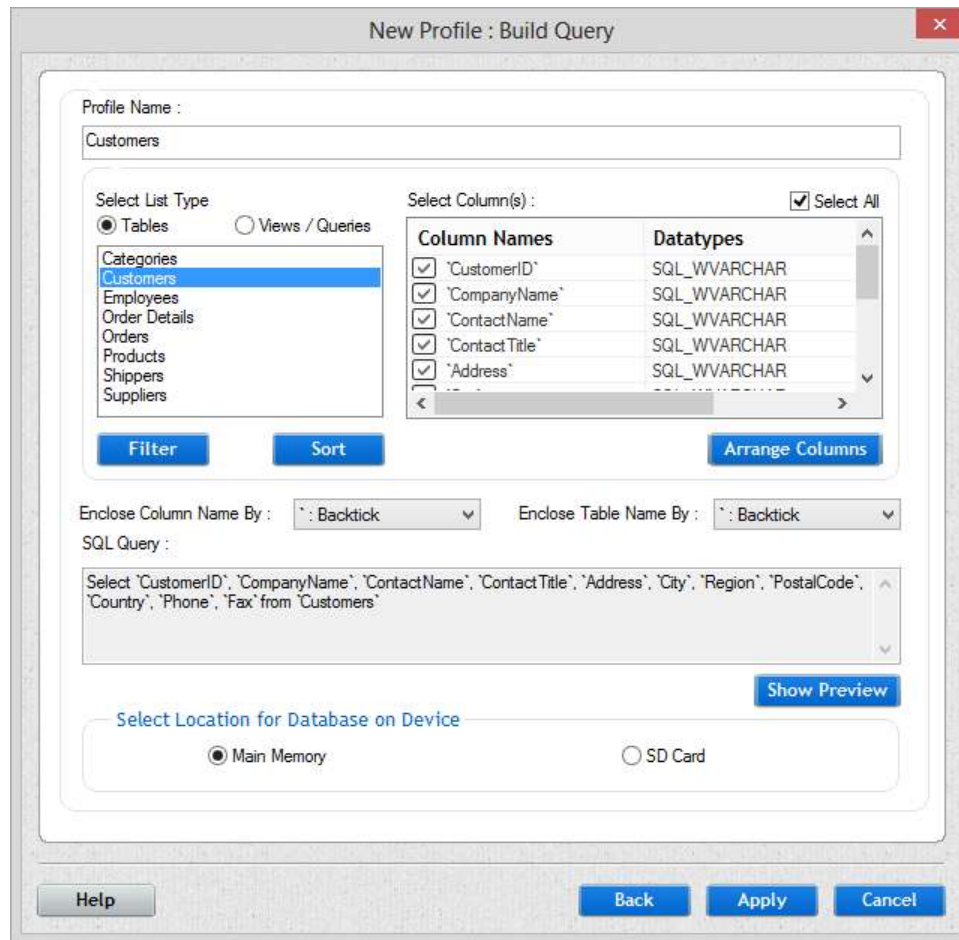


Figure 7: Table Selection

Table' s is default option and shows all the tables available in your database. Select one of the tables which you want to transfer to Android device.

2.1.9 Select Views/Queries from your Database

After selection of your database, you will get following screen. Here “ Select List Type” has two options.

1. Tables
2. Views/Queries - Views/Queries options shows all the views and queries available in your database. Select the view or query which you want to transfer to Android device.

For MS Access database, this option will show all the queries available in your MS Access database.

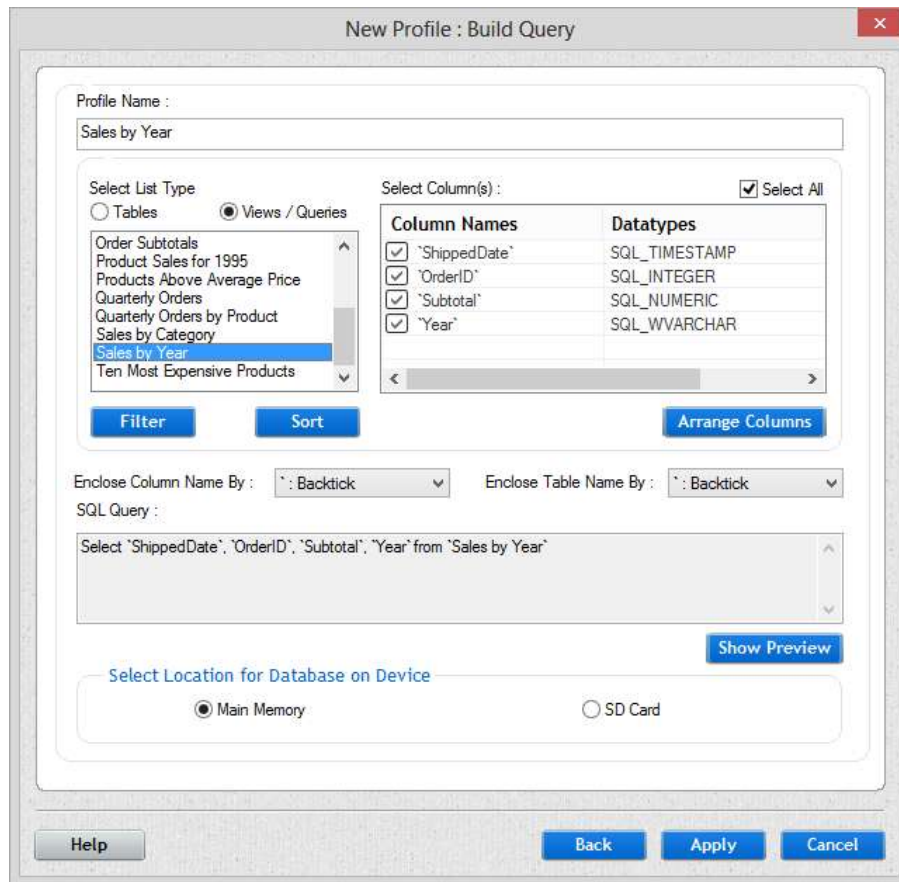
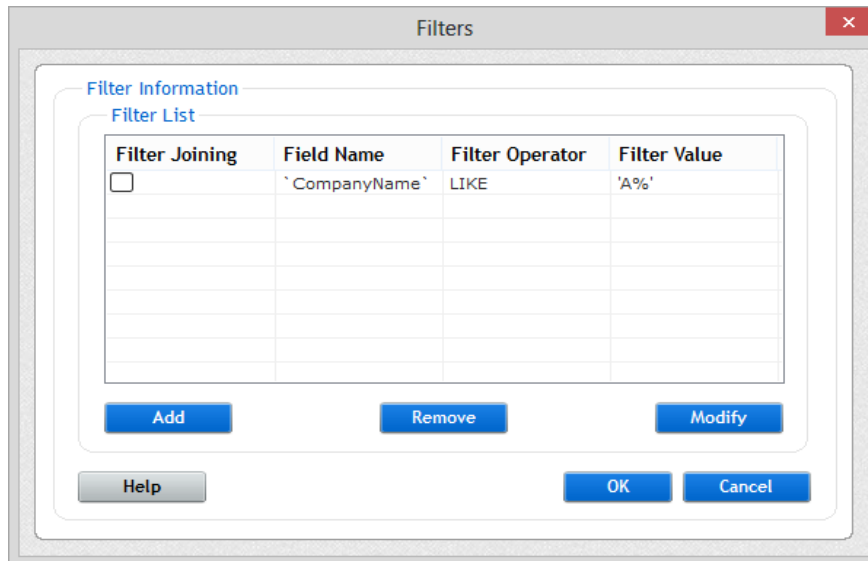


Figure 8: Select Views/Queries of your database

2.1.10 Apply Filters

In the above dialog box, click on "Filters" button, you will see the following filter dialog:



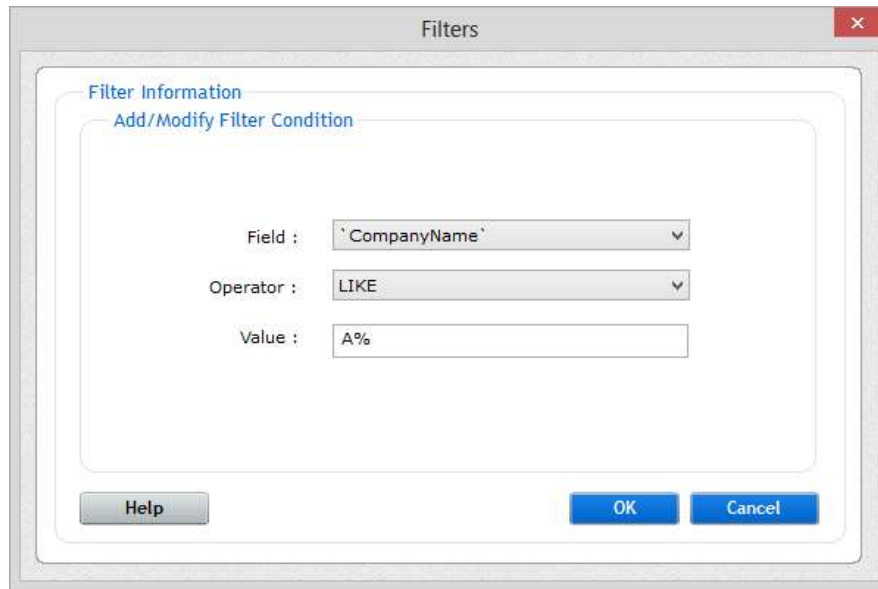
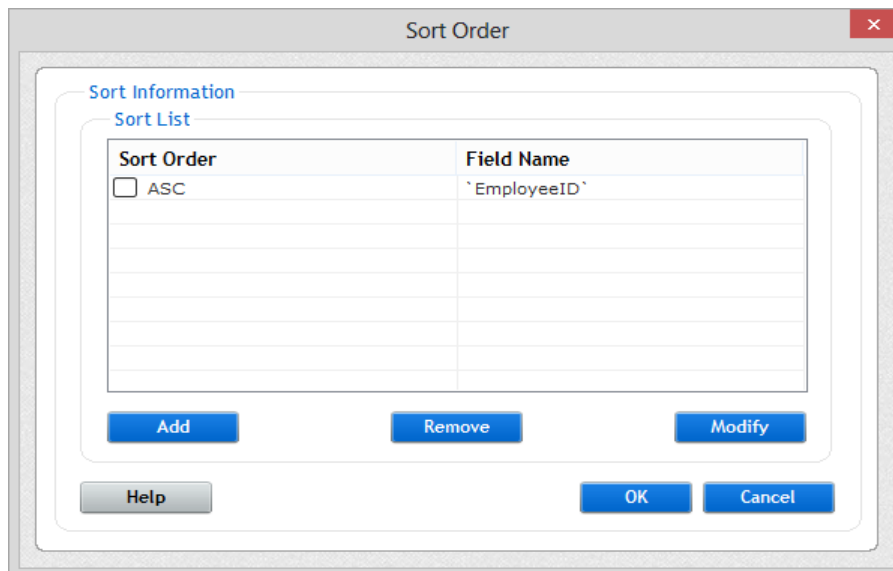


Figure 9: Apply Filter

Here, you can apply as many filters as you want. Click on "Add" button to have more filters. Select field from "Field" dropdown control, select operator from "Operator" dropdown control and click on "Value" edit box and enter value, which you want as a filter condition value.

2.1.11 Apply Sort

In “ New Profile: Build Query” dialog (Fig. 11), click on the "Sort" button, you will get the following sort order Dialog.



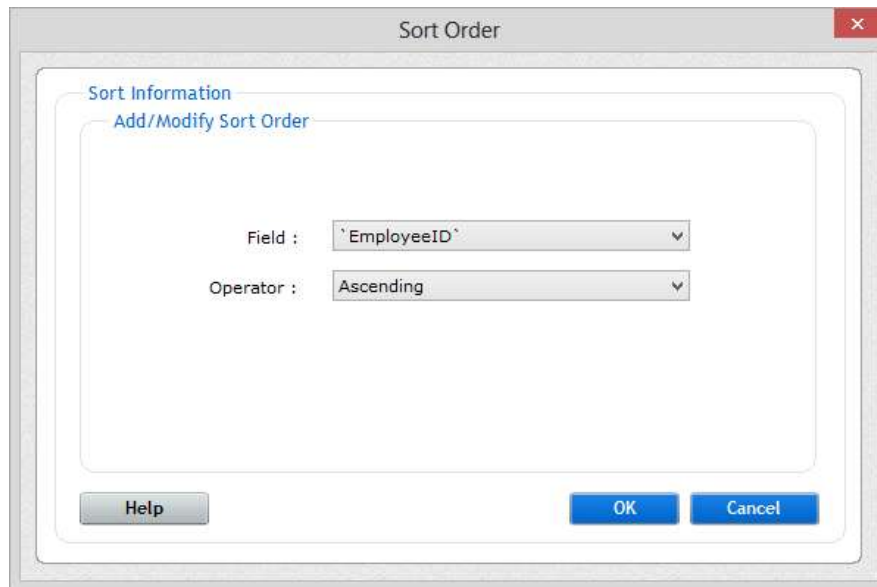


Figure 10: Apply Sort

Use “ Add” button to implement Sorting on particular column.

2.1.12 Apply Column Sequence:

Here you can alter the order in which your database field should appear / will appear on your Android device. Select the fields in the order in which you want those to appear on your Android device. Use “ Clear All” button to uncheck all the selected fields. Use “ Undo Select” button to undo last selection.

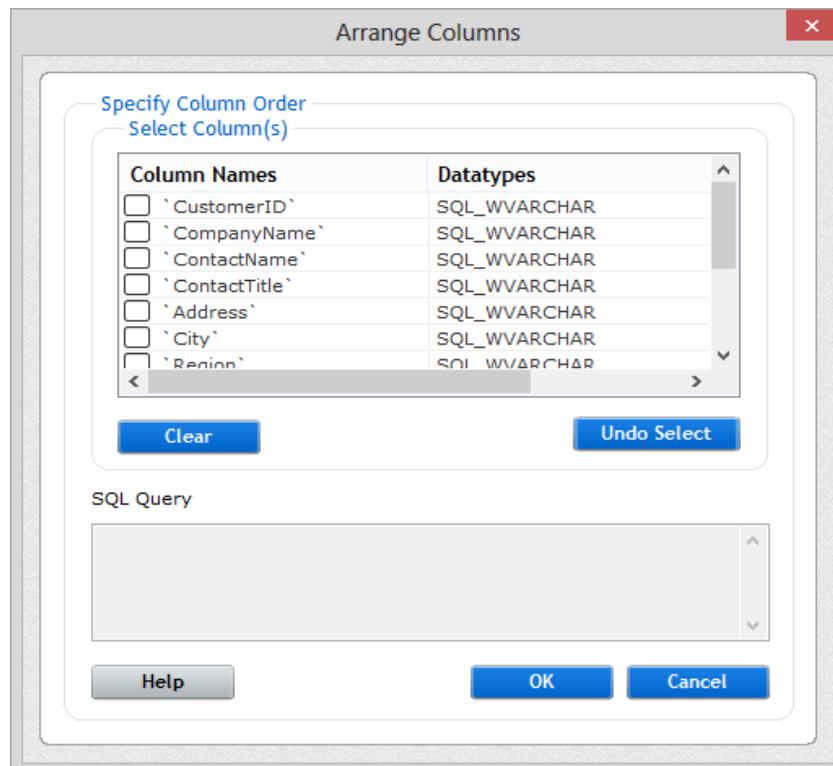


Figure 11: Arrange Columns

2.1.13 Selection of Stored Procedure

After selecting “ ODBC Database” option (in fig.7), you will get “ Stored Procedure” check mark option, enable this check mark and you will get list of stored Procedure in your database. Select Stored Procedure from this list.

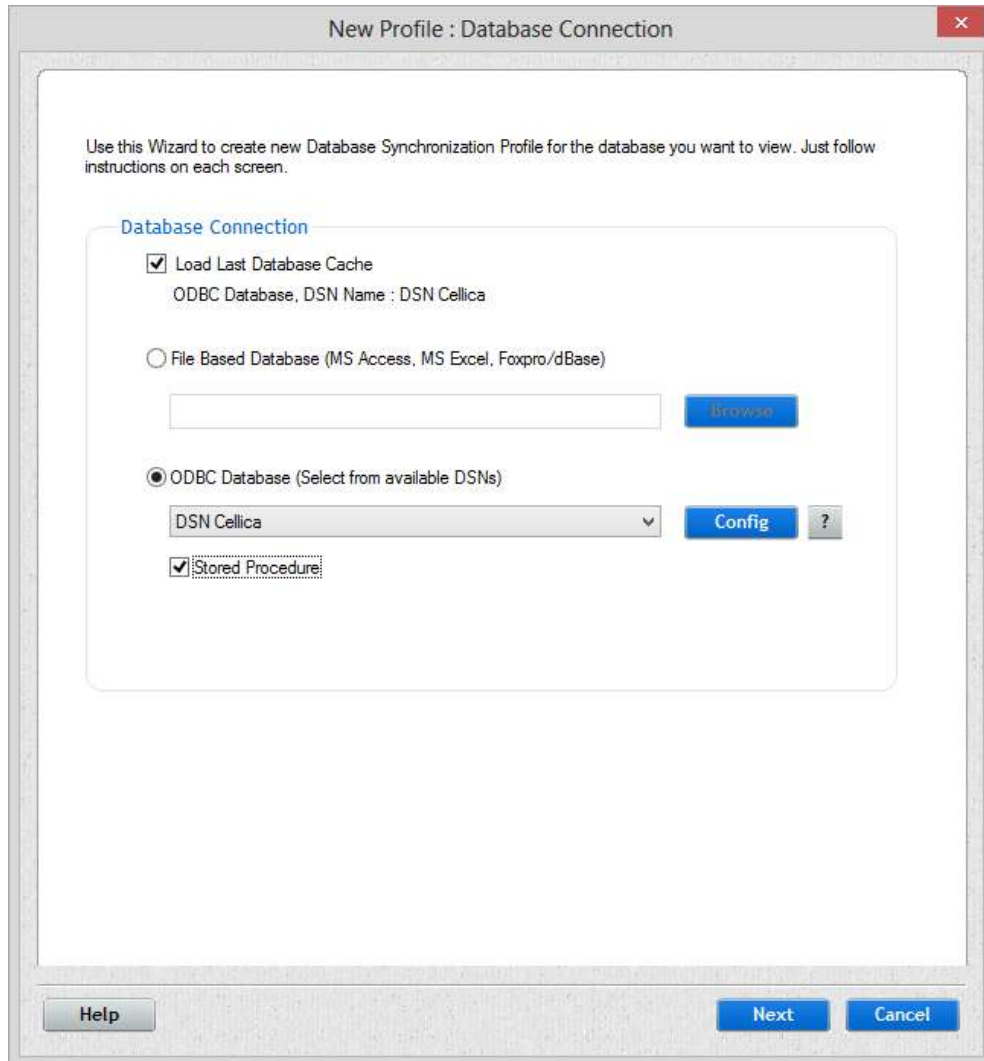


Figure 12: Select DSN of Stored Procedure

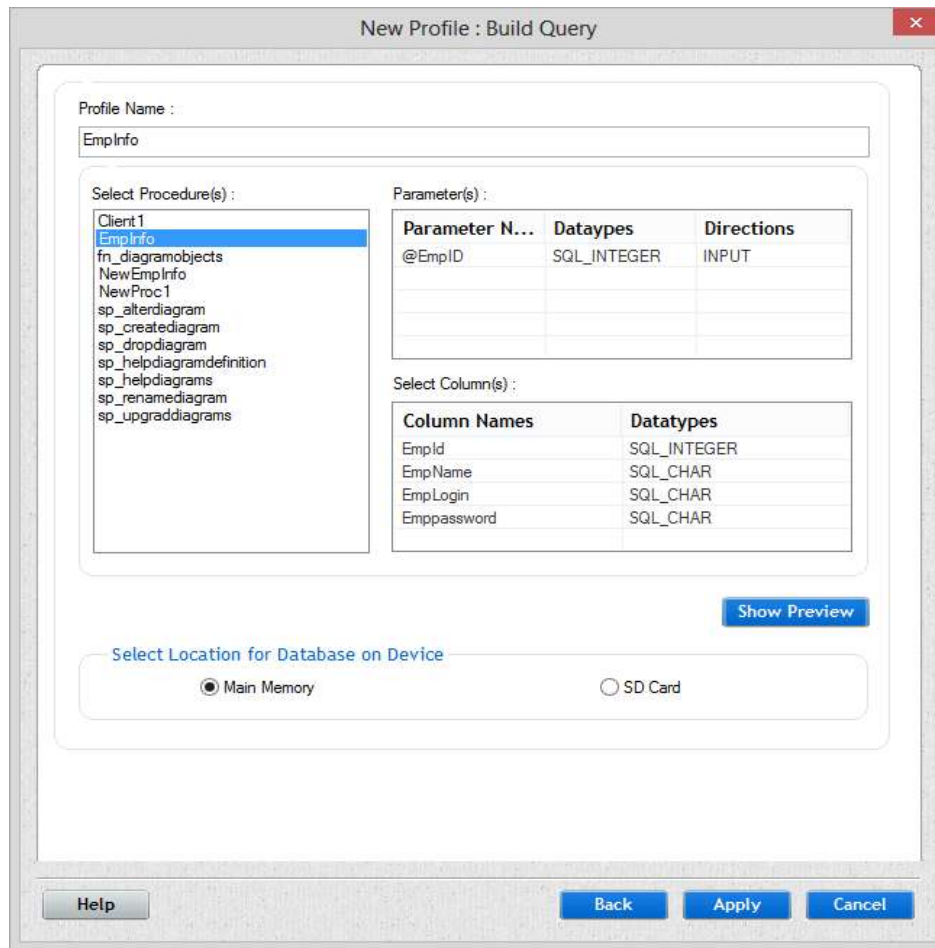
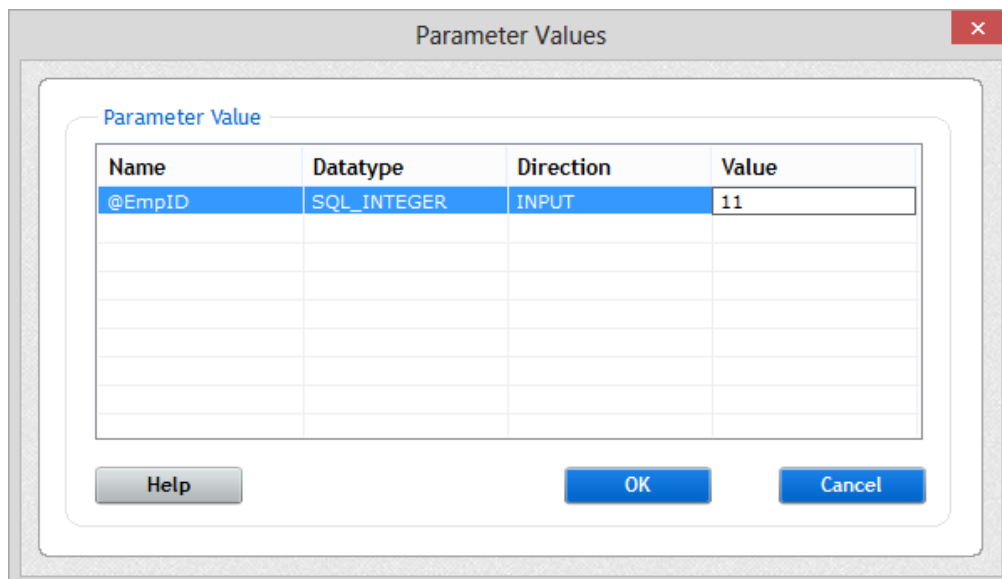


Figure 13: Selection of Stored Procedure

If your stored Procedure will have parameter values, then Parameter values dialog will appear. Select Particular Parameter and click on Value field for that parameter. Enter specific Value you want. Use OK button.



2.1.14 “Profile available for sync” indication

Newly created Profile will be listed with Synchronization Status as “ Not Synced” . It indicates that profile is available for syncing from device. Once profile is synced with device, status will change to Synced“ .

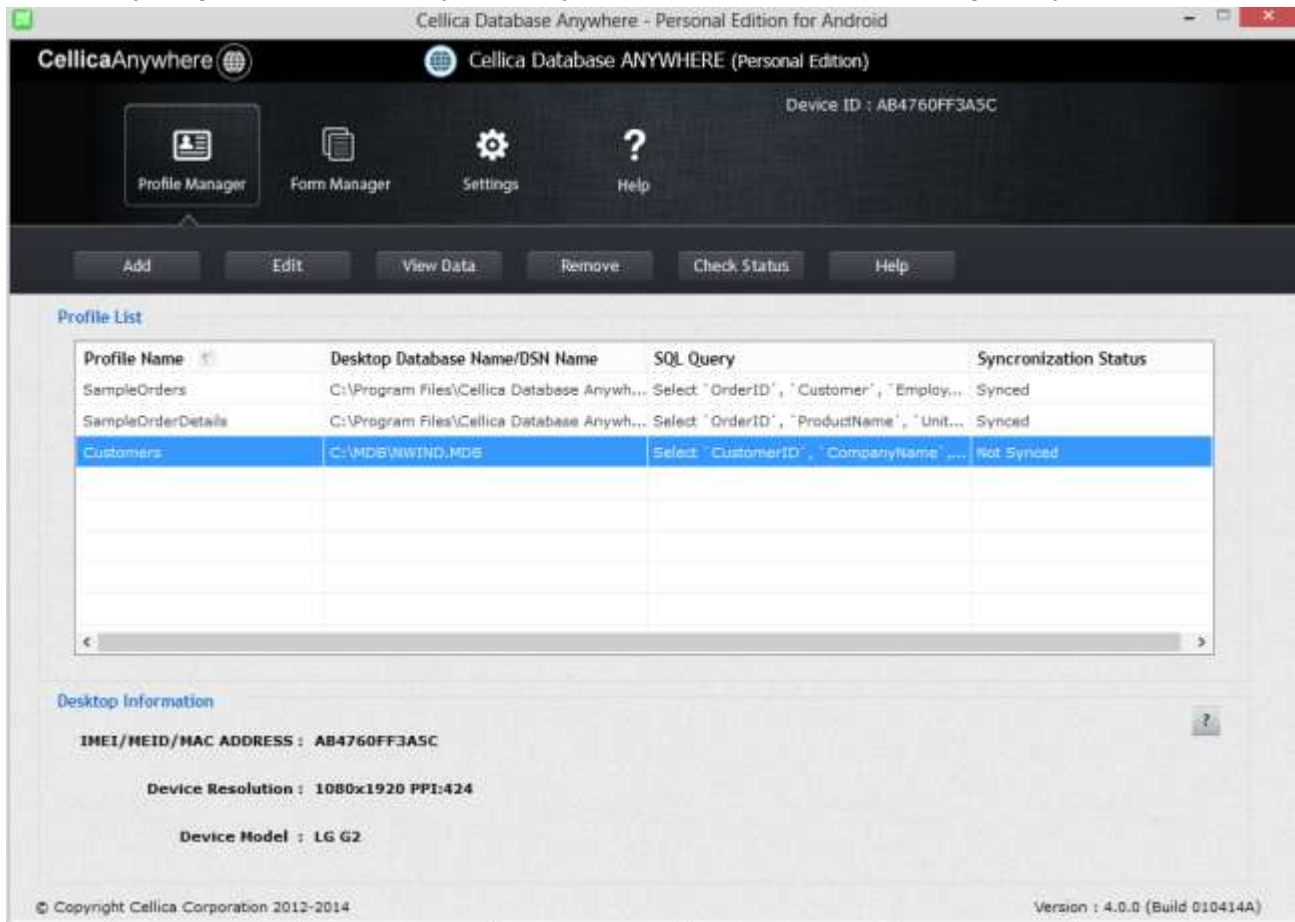


Figure 14: Profile Ready for Sync

2.2 Form Manager

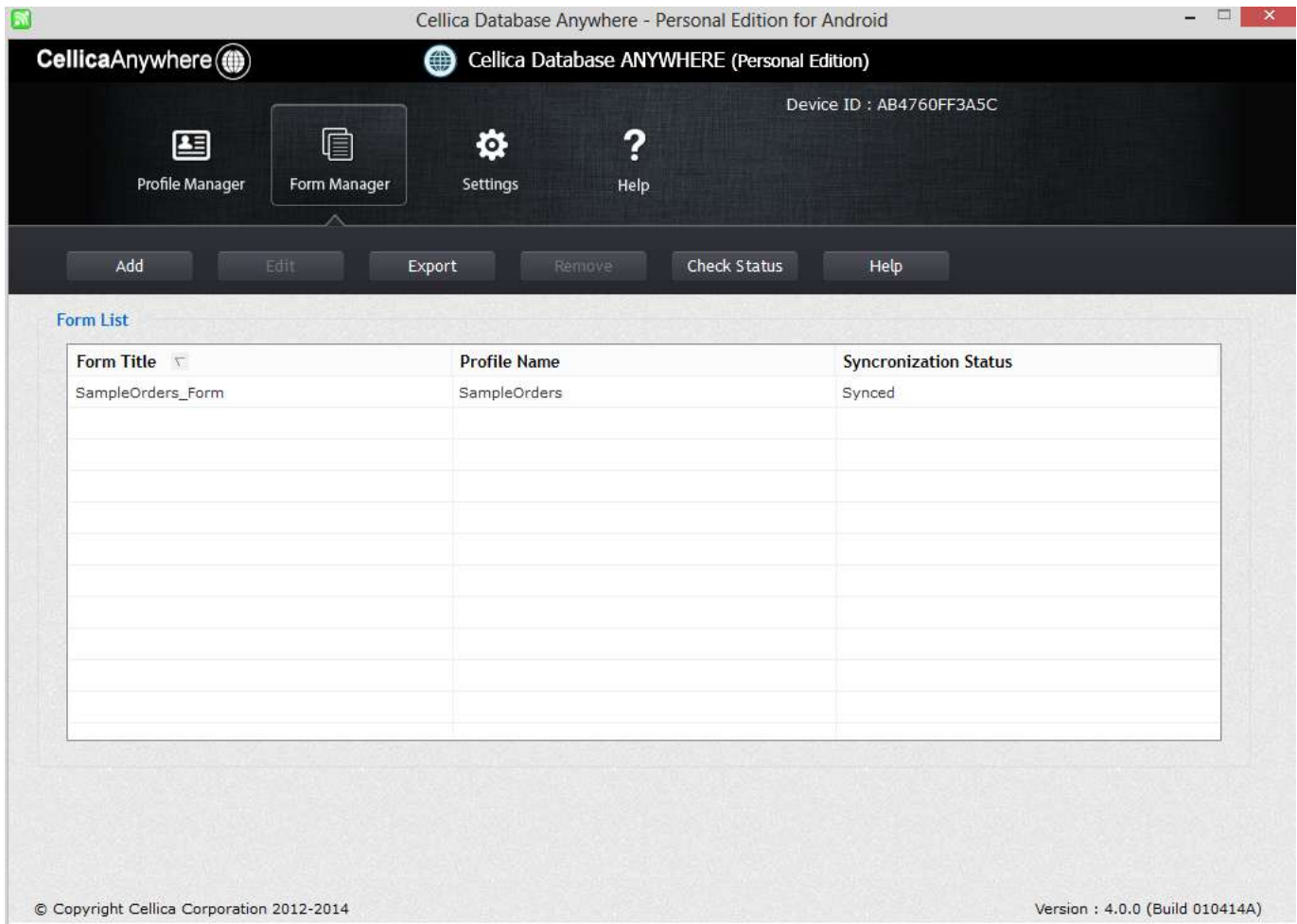


Figure 15: Form Manager

Use Form Manager to create your Form.

In Form Manager, you can create the form on the profiles, which are created in Profile Manager.

2.2.1 Add Form (Create Form)

Click on “ Add Form” button to create the form. You will get following “ Database Profile Selection” screen, which will show list of profiles which you have created in Profile Manager.

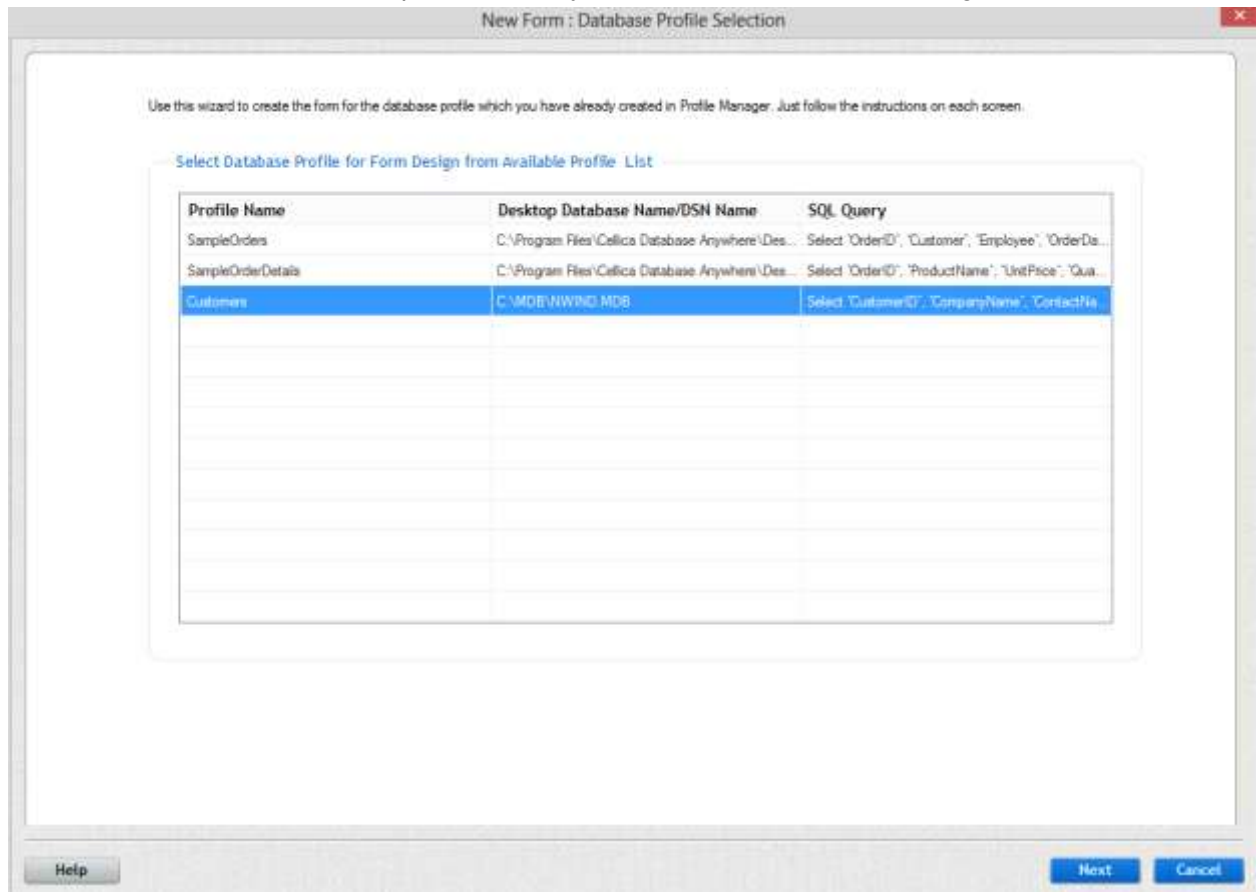
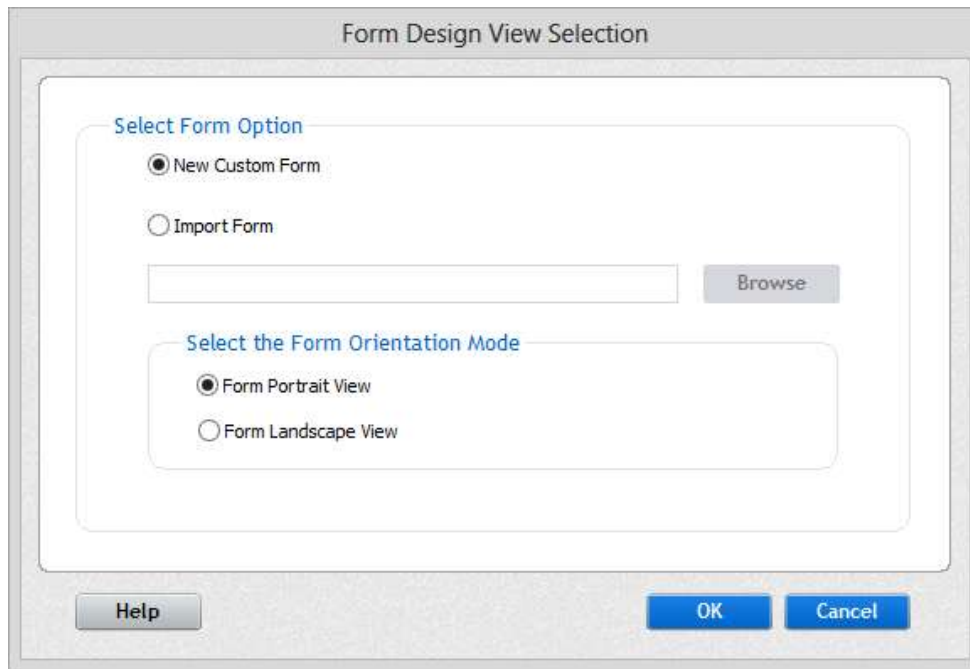


Figure 16: Profile Selection for Form

After selection of profile, you will get following screen, which will ask option if you want to import form or want to create new custom form. If you select “ New Custom Form” then you can design the form in Portrait as well as Landscape mode.

Select the option which you want.

Import Form will allow you to import already created form. You have to just map the fields and update the form as per your requirement. For Export/Import form design feature, please check “ Import/Export Form Design” section in this user guide.



The image shows a dialog box titled "Form Design View Selection". It contains two main sections. The first section, "Select Form Option", has two radio buttons: "New Custom Form" (which is selected) and "Import Form". Below the "Import Form" option is a text input field and a "Browse" button. The second section, "Select the Form Orientation Mode", has two radio buttons: "Form Portrait View" (which is selected) and "Form Landscape View". At the bottom of the dialog box are three buttons: "Help", "OK", and "Cancel".

After selection of “ New Custom Form” option, you will get following type of form designer windows which will show blank canvas of Android device to design form for your Android device. Add controls to canvas from Control Pallet according to your requirement. You can add controls to canvas by two ways either select the control in Control pallet and drag it to canvas or select the particular control and then click on canvas. See the “ Form Controls” section in this manual for properties of each control provided. See Tab Properties section for Form properties.

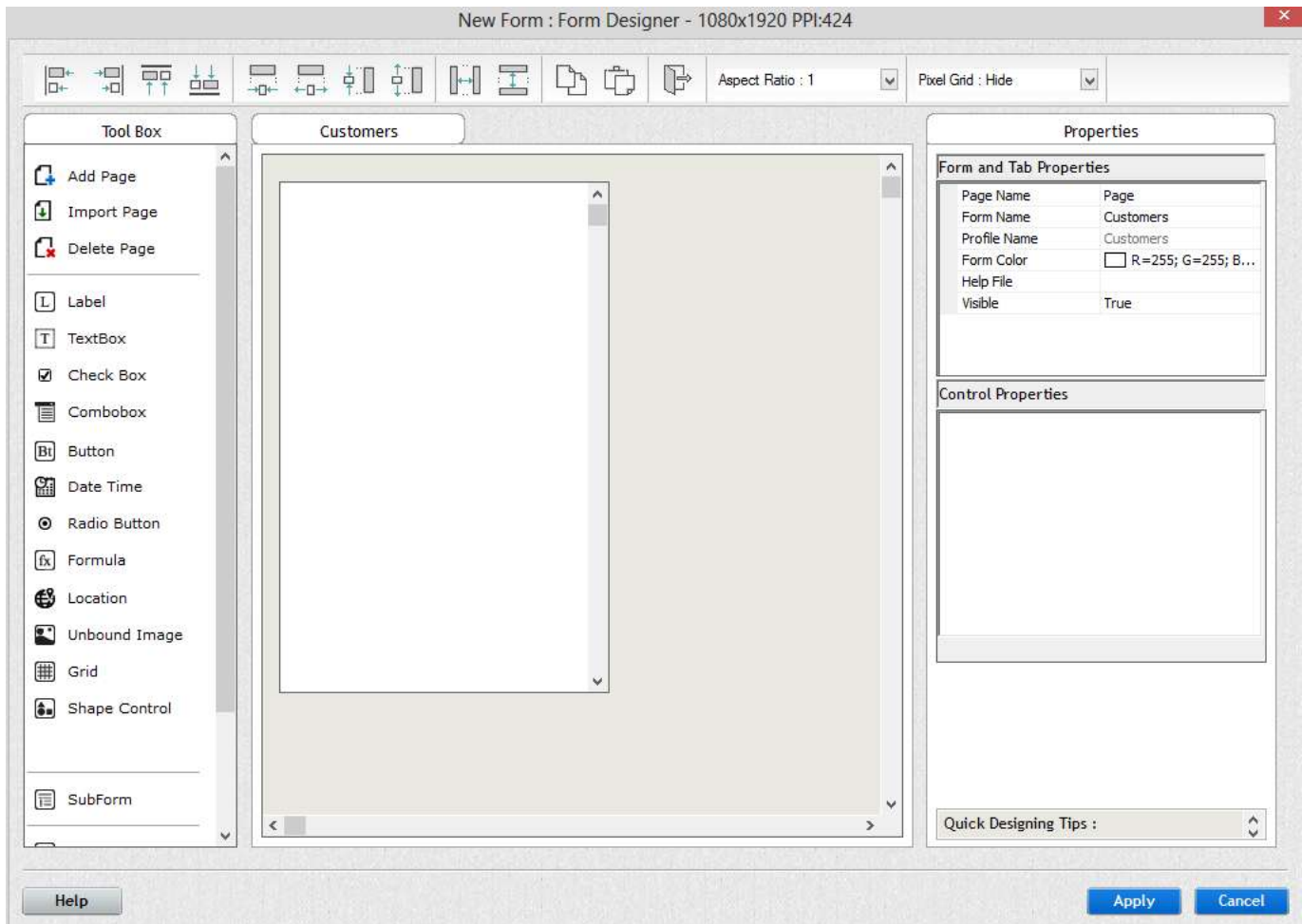


Figure 17: Form Designer Canvas

2.2.2 Form Properties

Visible: Set this property to “ False” , if you do not want to show the form in form list on “ Form” tab of device application.

Help File: Assign help file to the form describing in brief about how this form works or other useful information about the form or controls on form.

2.2.3 Edit Form

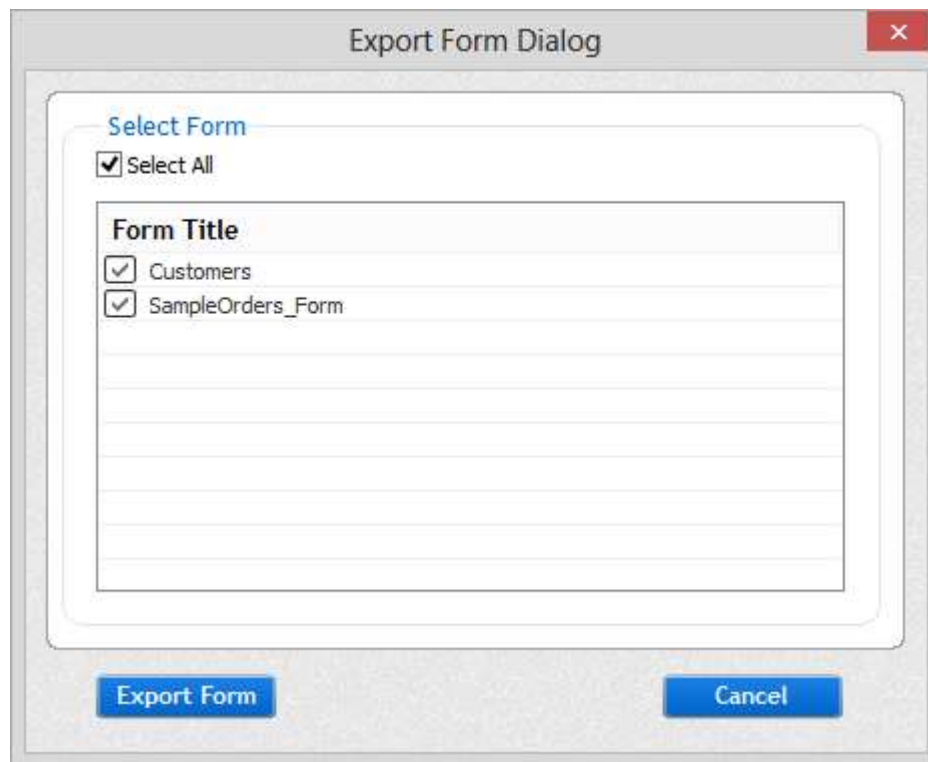
Use Edit Form button, to update the selected Form. You can redesign the complete form here.

2.2.4 Remove Form

Use Remove Form button to remove selected form from both desktop and device. Your form will be removed from desktop software first and then on next sync, it will be deleted from device also.

2.2.5 Export Form(s)

Select one or more forms from available form list and then click “ Export Form” button to backup forms at desired location.



2.3 Form Controls

Following section will explain controls available for form. To design form, you have to drag the control as per your requirement and set the properties for each control.


Following description of each control assumes that you are on the Form Design page.

2.3.1 Label

You use labels on a form to display descriptive text such as titles, captions, or brief instructions.

Labels don't display values from fields or expressions; they're always unbound and they don't change as you move from record to record.

Use following procedure to create a stand- alone label (a label that isn't attached to another control).

1. Click the Label tool  Label in the Tool Box.
2. On the form, click where you want to place the label, and then type the text for the label in Caption property in Label Control Properties.

You can resize the label after you enter all the text.

Other Label Control Properties:

[X, Y]:

Set the location of control by entering the value of X/Y co-ordinate.

[Width, Height]:

Use this to set the width and height of the control.

Horizontal Align:

You can align the text to Left, Right and Center.

Vertical Align:

You can align the text vertically to Top, Bottom and Center.

ForeColor:

This property allows user to change the text color of label.

Font Name:

Set font name for label, this property shows the list of font names supported by Android device application.


Font Size:

Here select the font size as per your requirement.

2.3.2 Text Box

Use text boxes on a form to display data from a record source. This type of text box is called a bound text box because it's bound to data in a field.

Use following procedure to create a Text box.

1. Click the Text Box tool  TextBox in the Tool Box.
2. On the form, click where you want to place the Text Box
3. In Text Box Control Properties, click the " Data Column" .
4. Select the field, which you want to bind with this text field.


TextBox Control Properties	
Control ID	txt_OrderID
(X, Y)	60, 110
(Width,Height)	70, 20
Content Type	TextBox
Data Column	OrderID
Horizontal Align	Left
Vertical Align	Top
Default Value	
Read Only	False
Lookup Mapping	
Not Null	False
ForeColor	 R=0; G=0; B=0
Visible	True
Font Name	Verdana
Font Size	10

Figure 18: TextBox Control Properties

When you will drag the Textbox control on form, software maps it (Data Column) to ' None' .

Please Change it according to your required column.

Control ID: You can use it in Formula control.

[X, Y]:

Set the location of control by entering the value of X/Y co- ordinate.

[Width, Height]:

Use this to set the width and height of the control.

Content Type:

- **TextBox** – This is default content type.
- **IMEI/MEID/MAC** - User can get UDID of device by setting this property to IMEI/MEID/MAC. On new record, user will get UDID in this control.
- **QRCode** – Set this for reading Barcode/QRCode values directly in textbox using inbuilt camera for read them.
- **UUID**- Set this for entering UUID values in your database column.(Universally unique identifier)

Horizontal Align:

You can align the text to Left, Right and Center.

Vertical Align:

You can align the text vertically to Top, Bottom and Center.

Default value:

Set default value for this text box when user will add new record.

Read Only:

If you want this Text Box non editable then set it to True.

ForeColor:

Set text color for this Text Box.

Font Name:

Set Font for this Text Box.

Font Size:

Set font size here for the text in the Text Box.

2.3.3 QR Code/Bar Code

Use text box on the form to get QR Code/Bar Code data. Drag Text Box control on form and set Content Type to " QRCode" . Now on Android, you need to tap on this control to scan the QR Code and transfer the scanned value in to this Text box control.

You can search QR Code data in your database. On “Find” dialog, you will get “Scan QR Code” button, this will allow you to scan QR Code data and after scanning QR code, you can search it in your database.

TextBox Control Properties	
Control ID	TextBox
(X, Y)	87, 118
(Width,Height)	70, 25
Content Type	QRCode
Data Column	Shipper ID

2.3.4 Hide Characters

To create Password type fields (Textbox where you want to hide characters and show placeholders), Set “ Content Type” Property to “ Hide Characters” . Now when you use this Textbox on device, the typed characters will be showed as password character.

2.3.5 NFC Scan(Android/ Windows Phone 8/ Windows RT Only)

You can use NFC scan to make entry while Add/Update records on Forms. To use NFC data choose “ Content Type” property to “ NFC” . Now when you scan NFC tags and data will be populated in this Textbox.

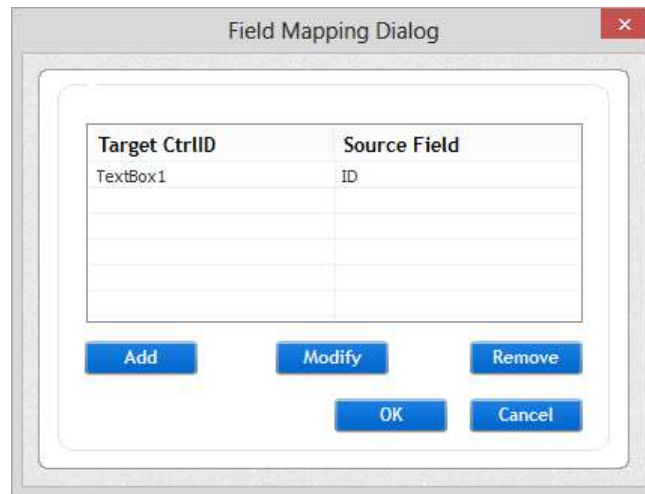
2.3.6 NFC Lookup(Android/ Windows Phone 8/ Windows RT Only):

TextBox Control Properties	
Control ID	TextBox
(X, Y)	56, 114
(Width,Height)	70, 20
Content Type	NFC Lookup
Data Column	Customer
Lookup Profile	Customers
Lookup Column	ID
Field Mapping	TextBox1,ID

Sometimes you want to fetch some data from other profiles depending on the NFC tag just scanned. To implement this set “ Content Type” of Textbox to “ NFC Lookup” . You need to map from which profile you want to fetch data and the fields on forms to populate with data.

Here we set “ Customers” as Lookup profile whose “ SHOP23” column data will be matched with scanned NFC Tag.

Once matched, we want “ ID” values from “ Customers” Profile in “ TextBox1” on Form.



2.3.7 URL

You can view pdf/images stored on web server, Local Network PC and SD card (for android)

For more information:

http://www.cellica.com/KB/How_to_view_images_Pdf_on_Webserver_LocalNetworkPC_SDCard_in_Cellica_Database.pdf

2.3.8 Rich Text

You can view Rich Text in your database column (text with html tags) in Cellica Database device application. Set “ Content Type” property of “ TextBox” control to “ RichText” and map the Data Column with formatted tags data to this control while designing form.

When synced to device you can view formatted data in this “ TextBox” control on form.

2.3.9 Lookup Mapping

Sometimes depending on value in current table we want to get information from another table while adding or modifying records.

While designing form you can add Lookup condition to all Data Column bound controls like TextBox, ComboBox, DateTime, Location, Formula Control etc.

Following knowledgebase article contains more information about how to use Lookup Condition property for Form Controls in Cellica Database.

<http://cellica.kayako.com/Knowledgebase/Article/View/44/0/what-is-lookup-mapping-property-available-for-controls-on-form-how-to-use-data-in-another-profilestables-while-add-and-update-record-on-forms>

2.3.10 Check Box

You can use a check box on a form as a stand- alone control to display a Yes/No, True/False, or On/Off va

lue. If the check box contains a check mark, the value is Yes; if it doesn't, the value is No. You can bind check box control to a column defined as a Bit data type. When the value in this column is 1, it is equivalent to Yes, On, or True conditions. When the value is 0, the column indicates No, Off, or False conditions. Use following procedure to create a Check box.

1. Click the Check Box tool Check Box in the Tool Box.
2. On the form, click where you want to place the Check Box
3. In Check Box Control Properties, click the “ Data Column” .
4. Select the field which you want to bind with this Check Box field.


CheckBox Control Properties	
Control ID	CheckBox
(X, Y)	68, 200
(Width,Height)	70, 25
Data Column	`None`
Caption	Check
Default Value	UnChecked
UnChecked	0
Checked	1
Control Color	Black
Disabled	False
Lookup Mapping	
ForeColor	 R=0; G=0; B=0
Visible	True
Font Name	Verdana
Font Size	10

Figure 19: Checkbox Control Properties

Data Column:

Select the column of your database which you want to bind with this control.

Caption:

Give caption to checkbox control.

Default Value:

Set default value (checked or unchecked) for this control when you will add new record.

UnChecked:

User can set value for which check mark control shows unchecked.

Checked:

Here set value for which check mark control shows checked.

Disabled:

If you do not want to change the value of this control then set this property to True.

ForeColor:

Change text color of this control.

Font Name:

Change the Font of text of this control.

Font size:

Change the font size.

2.3.11 Combo Box


Combo Box is a quicker and easier way to select a value from a list than to remember a value to type. With a combo box, you can do either without using too much space on a form. A combo box is like a text box and a list box combined.

When you enter text or select a value in a combo box, if the combo box is bound, the entered or selected value is inserted into the field that the combo box is bound to.

Another important feature of this combo box is that it works like quick navigator.

Example: If user has two tables Artists and Albums. Then map Artists name from Artists Table to combo box on main form. Now add subform with Grid control. Create relation between main form and subform on Artist id.

Now when user will select any Artist name in Combo box, he will get Album list in Grid Control on subform. Use following procedure to create a Combo box.

1. Click the Combo Box tool  Combobox in the Tool Box.
2. On the form, click where you want to place the Combo Box
3. In Combo Box Control Properties, click the " Data Column" .
4. Select the field which you want to bind with this Combo Box field.

Combo box lists data two ways.

- 1. Combo Box can be based on a fixed value list (Combo Box Fixed Value List)**
- 2. It can be based on Another Profile (Lookup)**

2.3.11.1 Combobox fixed value list

ComboBox Control Properties	
Control ID	ComboBox
(X, Y)	45, 76
(Width,Height)	70, 25
Data Column	Employee
Items	Buchanan, Steven;
Source Type	Valued List
Default Value	
Allow Item Edit	False
Disabled	False
Lookup Mapping	
Navigation	True
Not Null	False
ForeColor	■ R=0; G=0; B=0
Visible	True
Font Name	Verdana
Font Size	10

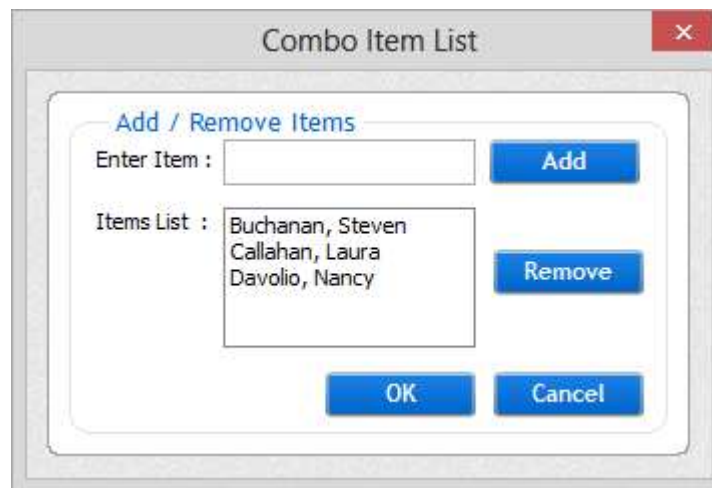
Figure 20: Combo Box Control Properties with Source Type: Valued List

Data Column:

Select the data column, which you want to bind with this control.

Source Type:

Select “ Valued List” option here and then use “ items” property to add/edit/remove your own values to combo box.



Default Value:

Here select default value, which will be used as default when you will add new record.

Allow Item Edit:

If it is “ True” then user can add his own value, rather than selecting it from available list.

Disabled:

If you do not want to change the value of this control then set this property to True.

ForeColor:

Set text color of this control.

Font Name:

Set the Font of text of this control.

Font size:

Set the font size.

2.3.11.2 Combobox based on Another Profile (Lookup)

Combo box can have values from column of another profile. This column can be any column of profiles available in profile manager. Select “ Source Type” as “ Another Profile” . Now in Lookup Profile property, select the profile whose column you want to map to combo box.

After selecting profile, select the Lookup Column, column which you want to map to combo box.

View Column is another option provided here which allows user to select the column whose data he wants to view in combo box.

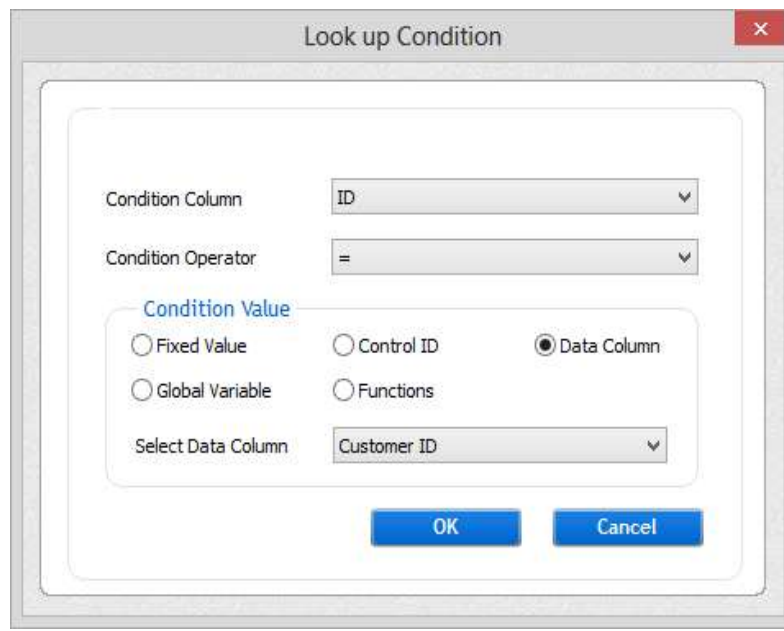
ComboBox Control Properties	
Control ID	ComboBox
(X, Y)	120, 20
(Width,Height)	70, 25
Data Column	Customer
Source Type	Another Profile ▾
Lookup Profile	Customers
Lookup Column	ID
View Column	ID
Look up Condition	

Figure 21: Combo Box Control Properties with Source Type: Another Profile

2.3.11.3 Combobox based on Another Profile (Lookup Condition)

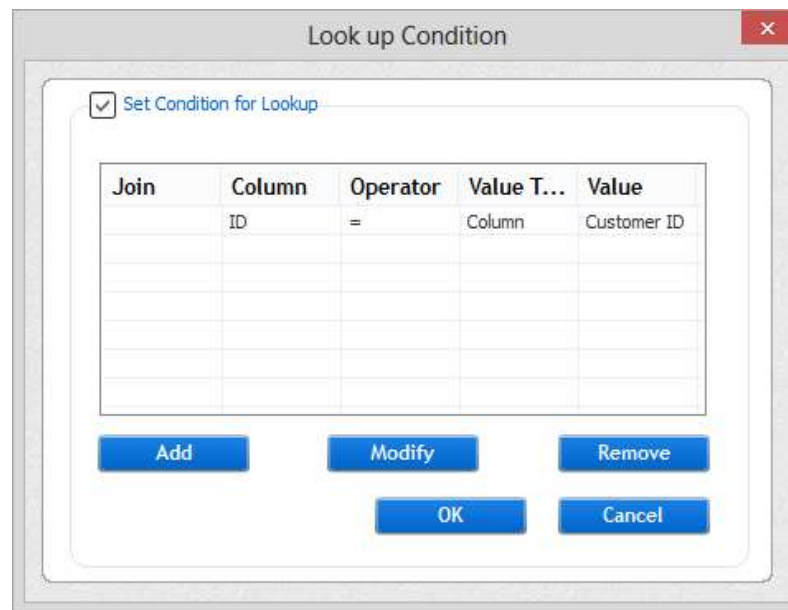
ComboBox Control Properties	
Control ID	ComboBox
(X, Y)	185, 232
(Width,Height)	70, 25
Data Column	Customer
Source Type	Another Profile
Lookup Profile	Customers
Lookup Column	ID
View Column	ID
Look up Condition	...

Lookup Combo box with “ Content Type” set to “ Another Profile” will show values from Column in Another Profile. If you want refine this list of values by specifying some required condition at “ Runtime” you can use “ Lookup Condition” property.



The 'Look up Condition' dialog box contains the following fields and options:

- Condition Column: ID
- Condition Operator: =
- Condition Value section:
 - Fixed Value:
 - Control ID:
 - Data Column: (selected)
 - Global Variable:
 - Functions:
- Select Data Column: Customer ID
- Buttons: OK, Cancel



The 'Look up Condition' dialog box shows a table with the following data:

Join	Column	Operator	Value T...	Value
	ID	=	Column	Customer ID


Additional elements in the dialog:

- Checkbox: Set Condition for Lookup
- Buttons: Add, Modify, Remove, OK, Cancel

You can use “ Fixed Value” , a Control value (Control ID) or “ Data Column” Value at runtime to filter the required list in combo box.

2.3.12 Button

You use a command button on a form to start an action or a set of actions. For example, you can create a command button that opens another form. You can create over 10 different types of command buttons. Use following procedure to create a Button.

1. Click the Button tool  Button in the Tool Box.
2. On the form, click where you want to place the Button.
3. In Button Control Properties, Select the Actions as per your requirement.

Following section will explain Action supported by Button.

2.3.12.1 First

Set this Action to Move to First record.

2.3.12.2 Previous

Set this Action to Move to Previous record.

2.3.12.3 Next

Set this Action to Move to Next record.

2.3.12.4 Last

Set this Action to Move to Last record.

2.3.12.5 New

Set this Action to create new record.

2.3.12.6 Edit

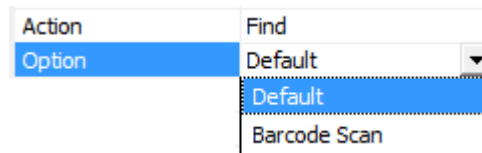
Set this Action to edit a record.

2.3.12.7 Delete

Set this Action to delete a record.

2.3.12.8 Find

Set this Action to implement Find a record functionality.




You can use “ Option” property of Find action button to set search mode. When set to “ Default” , this button will open default search option screens where you can enter search string on device. With “ Barcode Scan” , application will start to scan barcode immediately after tapping on find button on device.

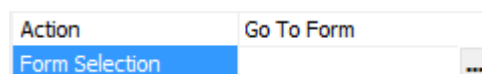
2.3.12.9 Go To Form


Set this Action to open another form.

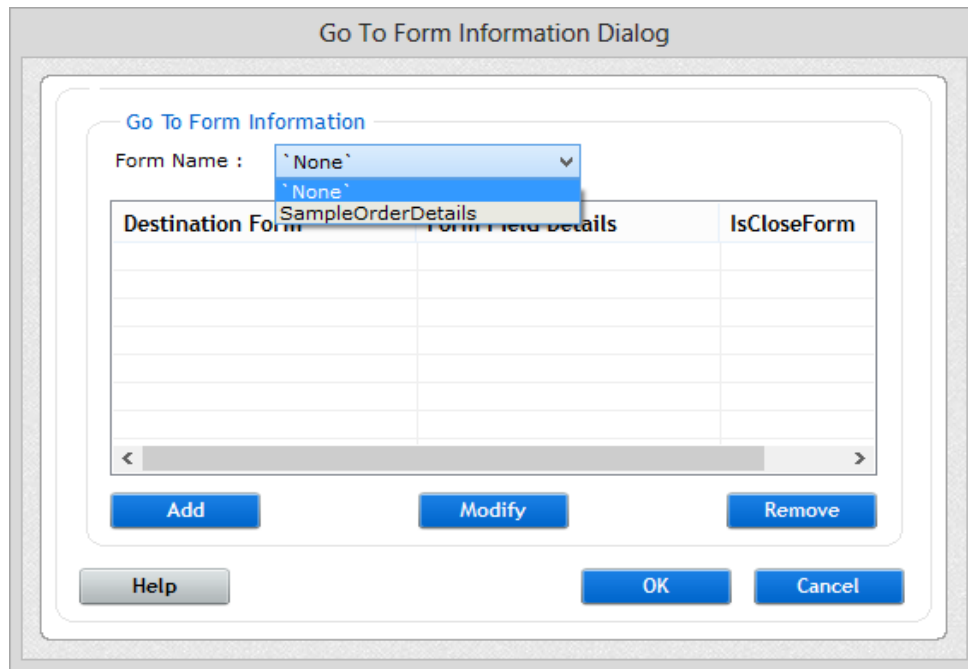
To use this feature, form on which you want to jump should be ready first.

Now while designing the form, from which you have to jump on another form, follow the following steps.

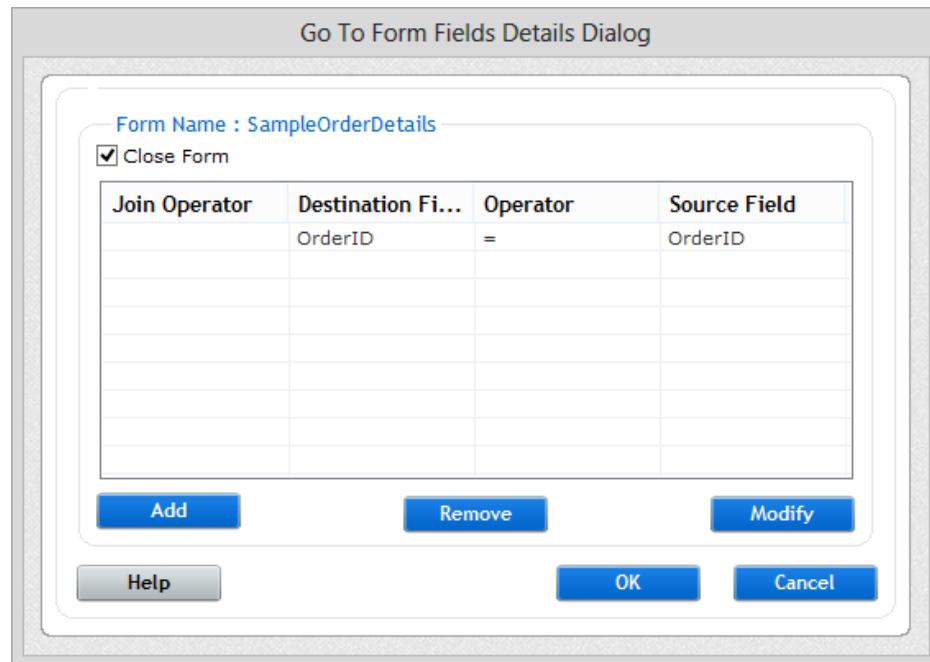
1. Drag “ Button” control  Button on the Android device canvas area.
2. Now in right side, Button control properties, select the Action “ Go to Form” .
3. Now select the form on which you want to jump.



After clicking  button, you will get following dialog.



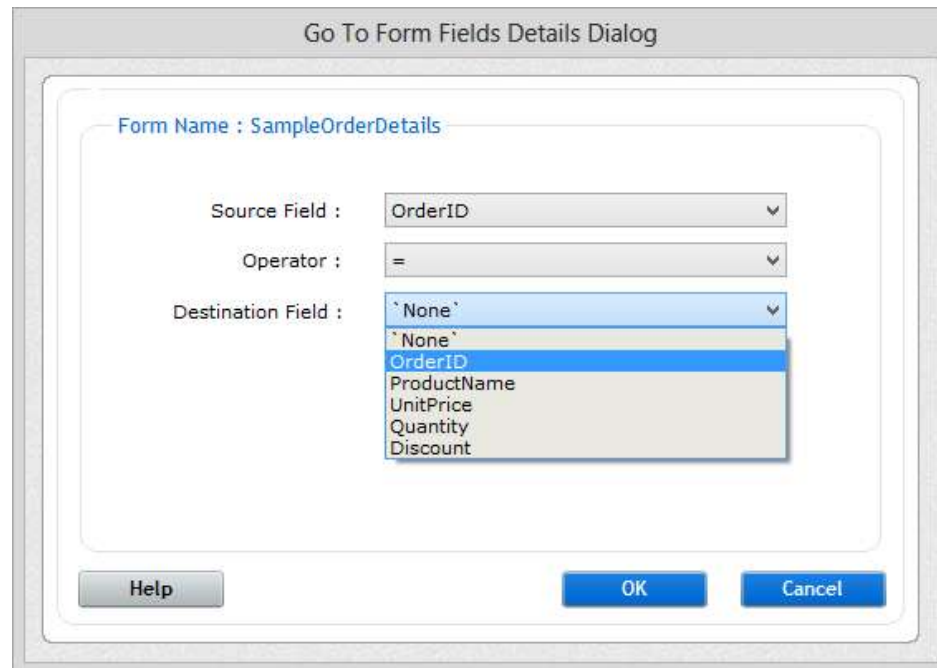
Select Form Name to be open on this button. Use “ Add” Button and you will get following dialog that will allow you to specify relationship between these two forms.



Select Form Name to be open on this button. If you want to close “ Parent Form” after the Jumped form get opened, set the “ Close Form” option to “ True/Checked” . After setting it true, on device when you will tap on “ Back” button the focus does not goes back to Parent Form.

Setting it “ False/Unchecked” will ensure the parent form to be opened on back button from Jumped Form.

Use “ Add” Button and you will get following dialog that ask you to select Source Field, Select Form, Destination Field.



The screenshot shows a dialog box titled "Go To Form Fields Details Dialog". Inside, the "Form Name" is "SampleOrderDetails". There are three dropdown menus: "Source Field" is set to "OrderID", "Operator" is set to "=", and "Destination Field" is set to "None". A dropdown menu for "Destination Field" is open, showing options: "None", "OrderID", "ProductName", "UnitPrice", "Quantity", and "Discount". At the bottom, there are three buttons: "Help", "OK", and "Cancel".

You can specify more than one relationship between both forms. Add multiple relationships and select joining operator.

You can add more than one Form for one “ Go to Form” button. If you map more than one form to this button, then on Android device, when you will use this button, you will get a dialog that will ask you to choose the form on which you want to jump.

Source Field: It is the field (column name) of profile on which you are currently designing the form. When you will jump on destination form, data will be searched on destination form according to this field data and will be displayed on jumped form (Destination Form).

Operator: Joining operator (OR/AND) for multiple conditions (relationships) between source and destination form.

Destination Field: Destination Field is the field on which data will be search in the destination form and imp ort data for that record and displayed in destination form.

2.3.12.10 Go To Record

Set this Action to implement Go To Record functionality. When user will click on this Button, he will get a dialog on Android device, which will ask record number where user wants to jump.

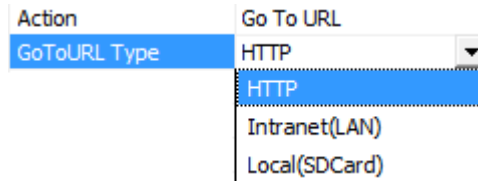
2.3.12.11 Send Email

You need to map data column in “ Button Control Property” , On device side, Tapping on this button will

open Email application and Value from mapped data column will be appeared in “ To” of Email application.

2.3.12.12 Go To URL

You need to map data column in “ Button Control Property” . On device side, Tapping on this button will open the URL from mapped data column in Browser of the device.



2.3.12.13 Phone Call

Set this Action to make a phone call for Particular Phone call data. Map “ Data Column” property to your data column which have phone numbers data and on device, tapping on this button will make a phone call for respective data.

2.3.12.14 Send SMS

You need to map data column in “ Button Control Property” , On device side, Tapping on this button will open SMS application and Value from mapped data column will be appeared in “ To” of SMS application.

2.3.12.15 Go To Map

You need to map data column to “ Latitude Field” and “ Longitude Field” in “ Button Control property” , tapping on this button will open Google Map and show the location of respective data in Google Map.

Button Control Properties	
Control ID	Button
(X, Y)	78, 256
(Width,Height)	70, 25
Caption	Go To Map
Action	Go To Map
Latitude Field	`None`
Longitude Field	`None`

Figure 22: Go To Map action

2.3.12.16 Copy Record

If you want to copy particular record and get data of that record as a new record, Set Action “ Copy Record” in Button Control Property. On tapping on this button on form, new record will be created with the data and “ Copy Record” button will be change to “ Save” button. Update the record where you want and use “ Save” button to save the record.

2.3.12.17 Capture

Software will open the Email application and attach the viewable form screen in .PDF format.

2.3.12.18 Print

You can print forms using “ Print” action button.

2.3.12.19 Design View

If you want to view “ Data Types” for “ DataColumnms” mapped to controls on form, Set Action property to “ Design View” in Button Control Property window. On tapping on this button on form, application will show list of data columns and their data types.

2.3.12.20 Help

You can assign a guide to each form describing how to use this form or other related information that may be useful for user while using form on device.

You can select the help file in “ Form and Tab Properties” window.

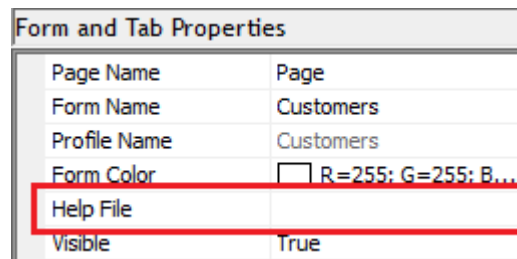


Figure 23: Select "Help File for form"

Set “ Help File” check mark to “ True” . Now select help file type from PDF/Doc/Image. To remove help file for form just set “ Help File” check mark to “ False” .

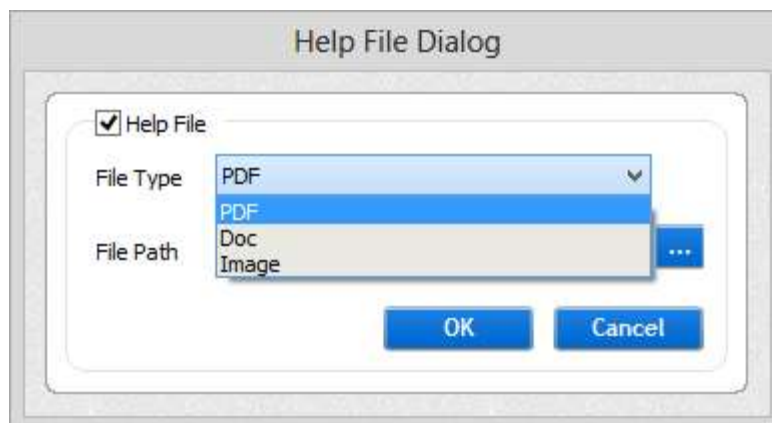


Figure 24: Select Help File Type

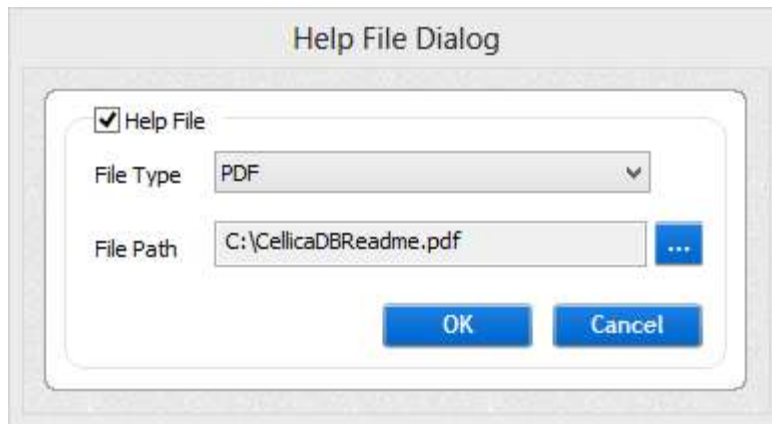


Figure 25: Select Help File according to file type

To open the “ Help” file, Drag “ Button” control on form and set its “ Action” property to “ Help” . Now when user will tap on this “ Help” button on device, he will be presented with the help file assigned to this form.

2.3.12.21 Send Record

You can use “ Button” control with “ Action” property set to “ Send Record” to mail a current record on form.

Action	Send Record
Email ID	

2.3.12.22 Sync Action button

You can use “ Button” control with “ Action” property set to “ Sync” if you want to provide manual sync options on form.

Action	Sync
Sync Option	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #e0e0e0; padding: 2px;">Complete Sync</div> <div style="background-color: #e0e0e0; padding: 2px;">Complete Sync</div> <div style="background-color: #e0e0e0; padding: 2px;">Current Profile</div> </div>

Figure 26: Sync action button

a) Complete Sync


Setting this sync option will synchronize all the profiles and forms data for the application.

b) Current Profile

Setting this sync option will synchronize the changes for only the profiles used on currently opened form.

2.3.13 Date Time

Date Time Control will allow user to create “ Date & Time” , Date or Time control on form.

Just drag  **Date Time** control on form and set Format property in DateTime Control Properties according to your requirement. Format Property will allow to select Date & Time” , Date or Time.

DateTime Control Properties	
Control ID	DateTime
(X, Y)	97, 368
(Width,Height)	70, 25
Data Column	OrderDate
Format	Date
Read Only	False
Def Val_Type	Empty
Lookup Mapping	
Navigation	False
Not Null	False
ForeColor	█ R=0; G=0; B=0
Visible	True
Font Name	Verdana
Font Size	10

Figure 27: Date Time

Def Val_Type (Default Value Type): Allow to set default value from one of the following options

- Now: Use this option to get current Date/Time on Adding new record.
- Exact: Use this option if you want to set fixed hard coded value to Date control.
- TimeStamp: Use this option if you want to set Timestamp (Tracking last change timestamp for record) for each New/Edit record.


Navigation:

If set to true, DateTime control can be used for quick search in the mapped column values through profile records in navigation mode (not in Add/Update Record mode).

2.3.14 Radio Button



You can use Radio Button on a form to display a limited set of alternatives. Radio Button makes selecting a value easy because you can just click the value that you want. Only one option in radio group can be selected at a time.

Use following procedure to create a Radio Button.

1. Click the RadioButton tool  **Radio Button** in the Tool Box.
2. On the form, click where you want to place the RadioButton.
3. In RadioButton Control Properties, First Select RadioGroup and map data column to this Group.

Group_`ShipVia`	
Caption	Group_`ShipVia`
Data Column	ShipVia
Not Null	False

Figure 28: Radio Button

Use  button to create various Radio Group and map data column to them. Use  button to delete

the Group. For one Radio group you can assign number of radio button.

After assigning Data Column to Radio Group, set caption to Radio button.



In RadioButton Control Properties, for Selected Property, Set it True if you want to set selected radio button as a default selected.

In Group Property, select the group in which you have to keep this radio button.

Drag number of radio buttons on form as per your requirement. **Select proper Group for those radio buttons.**

RadioButton Control Properties	
Control ID	RadioButton
(X, Y)	76, 132
(Width,Height)	70, 25
Caption	United Shipping
Selected	False
Group	Group_`ShipVia`
Control Color	Green
Disabled	False
ForeColor	█ R=0; G=0; B=0
Visible	True

2.3.15 Formula

You can create formula field in your Android form by dragging  Formula Formula control from Control Palette. After putting Formula control on Android device canvas area, set formula from the right side FormulaField Control Properties. First click  on this button and you will get Formula Dialog.


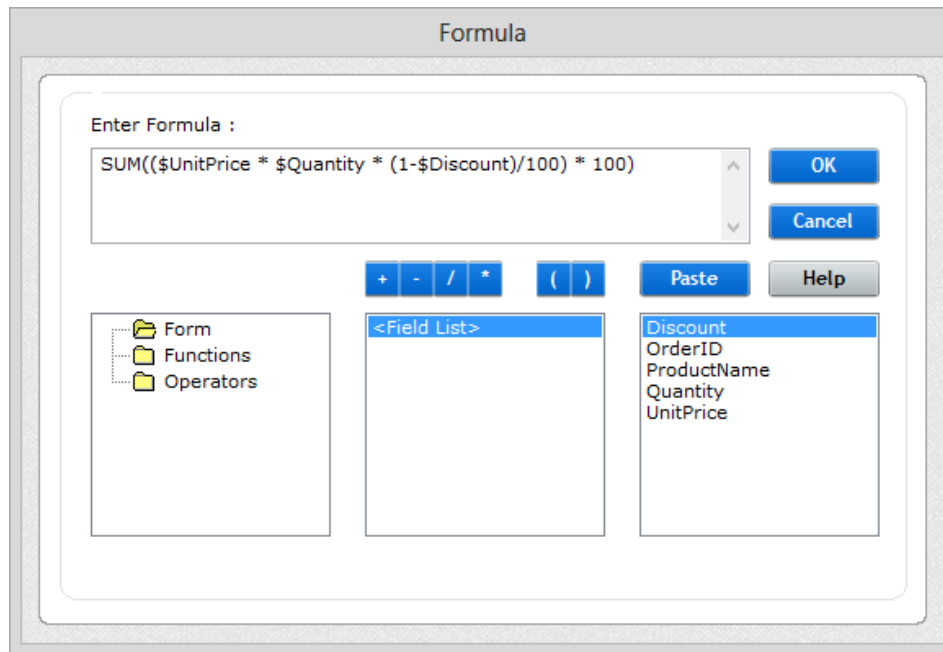
FormulaField Control Properties	
Control ID	FormulaField
(X, Y)	97, 302
(Width,Height)	70, 20
Formula	 Click here to create Formula for this field
Is Data Column	False
Read Only	False
Lookup Mapping	

Figure 29: Formula

In Formula field, you can use +, - , *, /, (,) operators in formula along with the function provided in List Control. Select Form Options to select the field which you want to use in the formula. Select Functions, to use various conversions and Math functions in your Formula. Select Operators to select operators like +, -, *, /.

Double click on the Field names, functions or operators you want to use in the formula. Double click or Paste button will write selected function or field name in Formula control.



After writing Formula for Formula field, you can assign column to this formula field. In “ FormulaField Control Properties” , set “ Is Data Column” property to “ TRUE” and then “ Data Column” property will be enabled, here select column of your database for which you have to map this formula field.

FormulaField Control Properties	
Control ID	FormulaField2
(X, Y)	50, 8
(Width,Height)	70, 25
Formula	SUM((\$UnitPrice * \$Qu...
Is Data Column	True
Data Column	`None`
Read Only	False

If you want to assign the Formula field to particular column then set it to True.

Select the database column which you want to map to Formula field.


2.3.16 Unbound Image

Drag this control to map the images which you have on device. Change the size of it as per your requirement. On device, please tap twice to select the image from picture library. Please note that, this control will not transfer images from desktop.

Show Border:

Show or hide border of control on device side.

2.3.17 Location

Drag this control  Location to get the Longitude/Latitude of the user. These values can help user to find the location of the device. User needs to tap on this control on the form on his device to get Longitude/Latitude of the current location. Set Location_Field property to Latitude or Longitude or Latitude/Longitude as per requirement. Also map Data Column property to your database field so location values will be stored

in that column when user will save the record.

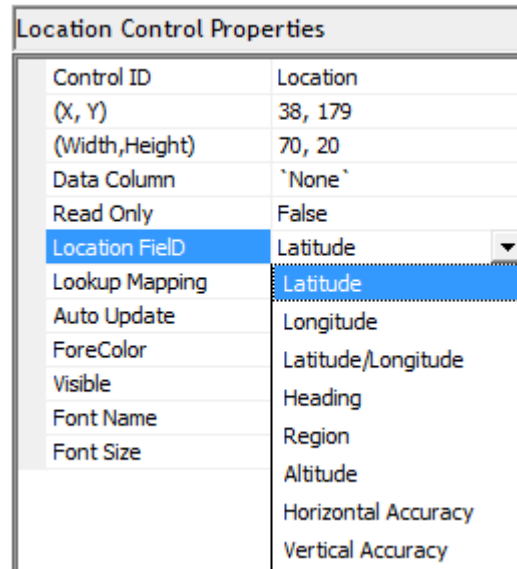


Figure 30: Location Control (Longitude/Latitude)

You can assign Location control to hold any of following value,

Latitude: To get Latitude value.

Longitude: To get Longitude value.

Latitude/Longitude: To get comma separated Latitude and Longitude value.

Heading: To get Heading value.

Altitude: To get Altitude value.

Vertical Accuracy: To get vertical accuracy with respect to current location value.

(For iOS only)

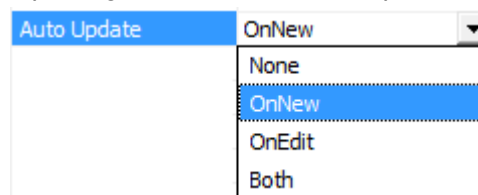
Region: To get region with respect to current location value (Latitude, Longitude and Radius)

Horizontal Accuracy: To get horizontal accuracy with respect to current location value.

For more information:

[Using Location information in Cellica Database.pdf](#)

Autoupdate: You can set Location control to automatic update for assigned value type of some record operations like Adding Record or Updating Record. Set “ Auto Update” property to




None: If you don’ t want auto fill Location control on record operations.

OnNew: Setting this will fill Location control when user tap on “ New” button for adding new record with value depending on “ Value Type” property.

OnEdit: Setting this will fill Location control when user tap on “ Edit” button for updating record with value depending on “ Value Type” property.



Both: Setting this will fill Location control when user tap on “ New” /” Edit” button for adding new record or updating existing record with value depending on “ Value Type” property.

2.3.18 Grid

To view Multiple Records on the form, user can use this control. Drag  Grid control on form to view multiple records. You can use this control on Main Form as well as on Sub form.

2.3.18.1 Grid On Main Form

User can view multiple records on main form instead of single record and traverse through multiple records fast. Also user can put subform below the Grid control and view details of records (Which can be from other database table) when user will tap on particular record on Grid control.

1. Drag a Grid Control  Grid on subform and resize it as per your requirement.
2. Set “ Column Settings” by clicking on  button in Grid Control Properties. You will get following type of dialog to select the columns for Datasheet

View (Grid Control). Select the fields which you want on Grid Control.

Fields will be displayed in grid as per sequence of selection of fields.

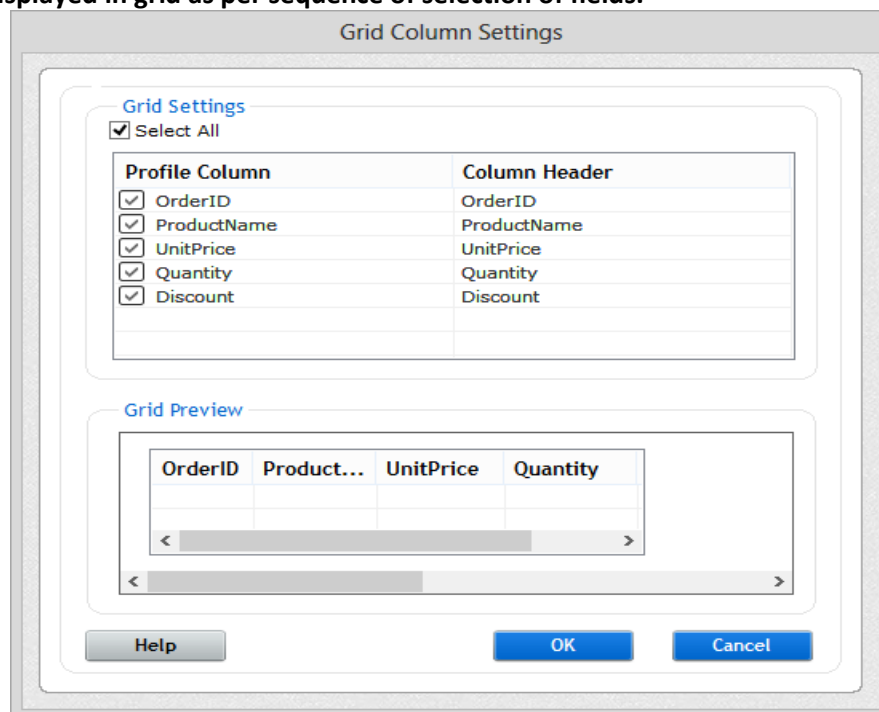




Figure 31: Grid Control Field Selection on Main Form Grid

2.3.18.2 Grid on Subform

You can add Grid control on Subform also. Multiple records related to main form data can be view on Grid.

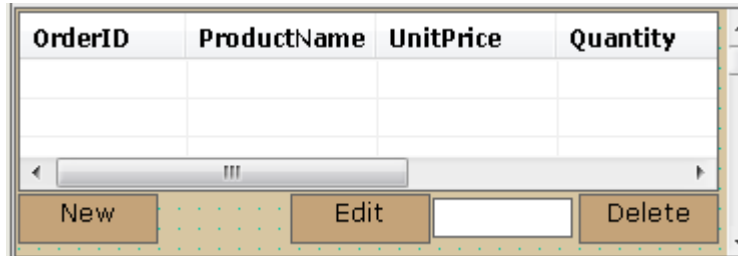
1. Drag a Grid Control  Grid on subform and resize it as per your requirement.
2. Set “ Column Settings” by clicking on  button in Grid Control Properties. You will get following type

of dialog to select the columns for Datasheet View (Grid Control). Select the fields which you want on Grid Control.

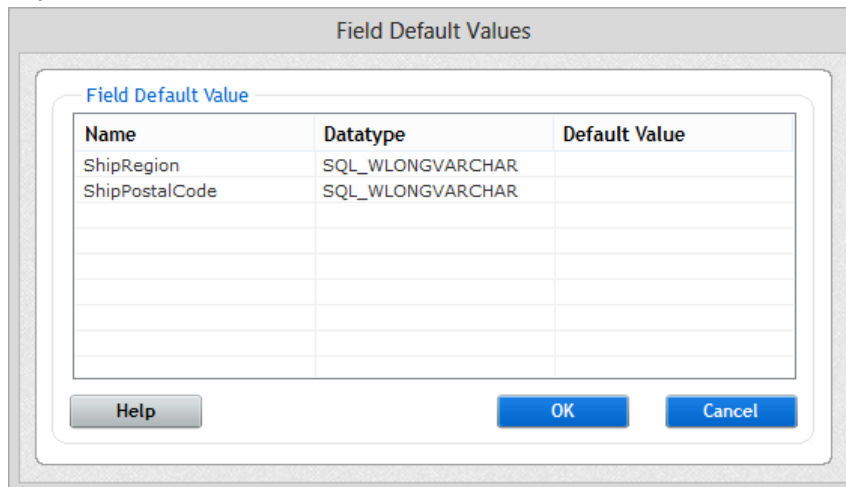
Fields will be displayed in grid as per sequence of selection of fields.

3. Click on Ok button to finalize the Grid Control.


4. You can use buttons and Formula control on subform with Grid Control.

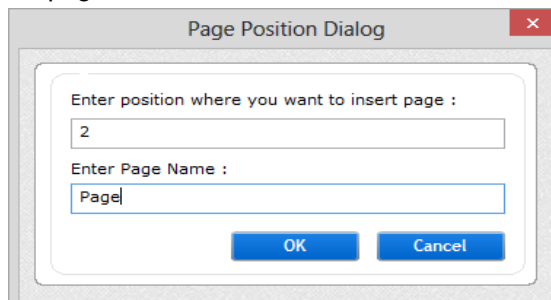


5. When you will use New button, software will check if you have used all fields of subform profile in Grid or not. If do not use all the fields in Grid view then, when you will use “ Apply” button to finalize the main Form, Software will ask to enter the default value for the fields which are not mapped to any control on main form as well as on Subform. Double click for particular column under “ Default Value” to enter default value for that column when you will add new record. This default value will be saved in your original database when you will add record from device.





2.3.19 Add Page

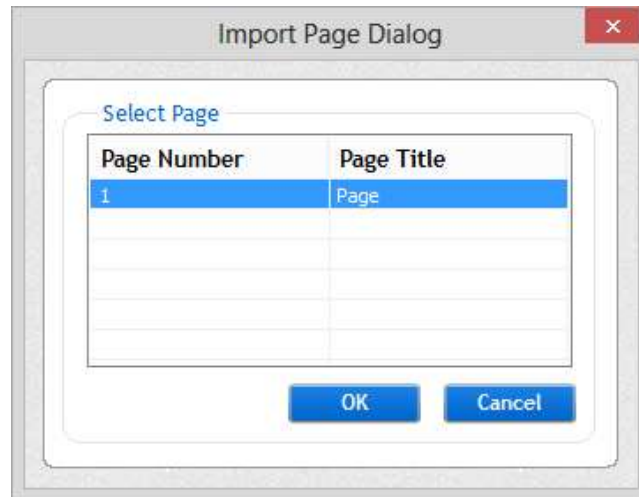
Use  Add Page to add new page on one form.



2.3.20 Import Page


You can import specific Page of previously backed up (Exported) form using  **Import Page** button.

Click on  **Import Page** and select the form, you will all Tabs and there Title as below.




Select the required Page to import from this list and click OK.

2.3.21 Delete Page

Use this  **Delete Page** to delete selected page.

2.3.22 Delete

 **Delete** will delete the selected control from the form. You can delete controls on form by using “ Delete” button of your keyboard.

2.3.23 SubForm

A subform is a form that is inserted in another form. The primary form is called the main form (main form: A form that contains one or more subforms.), and the form within the form is called the subform. A form/subform combination is often referred to as a hierarchical form, a master/detail form, or a parent/child form.

Subforms are especially effective when you want to show data from tables or queries (query: A question about the data stored in your tables, or a request to perform an action on the data. A query can bring together data from multiple tables to serve as the source of data for a form or report) with a one-to-many relationship (one-to-many relationship: An association between two tables in which the primary key value of each record in the primary table corresponds to the value in the matching field or fields of many records in the related table.). For example, you could create a form with a subform to show data from a Categories table and a Products table.


The data in the Categories table is the "one" side of the relationship. The data in the Products table is the "many" side of the relationship — each category can have more than one product.

The main form shows data from the "one" side of the relationship. The subform shows data from the "many" side of

the relationship. The main form and subform in this type of form are linked so that the subform displays only records that are related to the current record in the main form. For example, when the main form displays the Beverages category, the subform displays only the products in the Beverages category.

When you create a subform, you can design it to be displayed in Datasheet view (Grid View) or Form view.

2.3.23.1 Create SubForm

Create SubForm on main Form by dragging  SubForm control on main form. When you will drag a subform control, you will get a following dialog. Here select another profile, which will relation data of main form profile. Example: Main Form is designed on “ Orders” profile then subform can be designed on “ Order Details” table. Each Order can have more than one product.

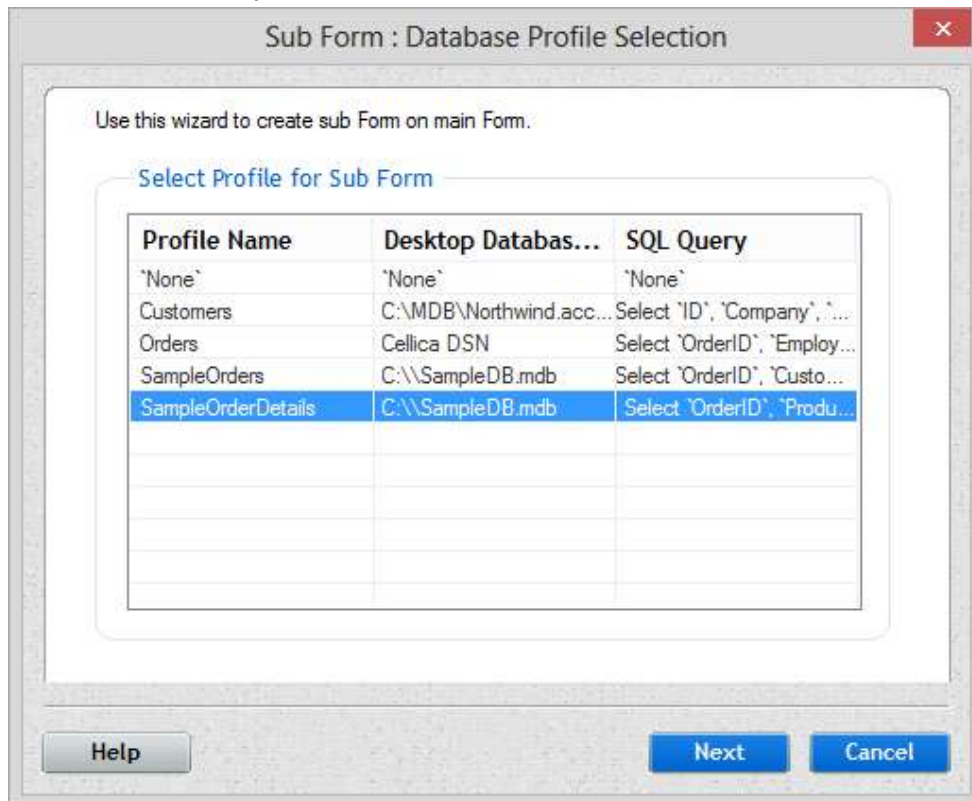


Figure 32: Profile selection for Subform

After selection of profile for Subform, create relation between main form and sub form by selecting fields from main form profile and fields from subform profile.

Sub Form : Define Relationship

Create relation between this subform and main form by mapping fields between profile of main form and subform.
 Data on subform will be displayed according to these mapping.
 You can create relation for more than one fields.

Main Form Fields	Sub Form Fields	MasterFieldValue...

Sub Form : Define Relationship

Create relation between this subform and main form by mapping fields between profile of main form and subform.
 Data on subform will be displayed according to these mapping.
 You can create relation for more than one fields.

Main Form Fields : Sub Form Fields :

- 'None'
- CustomerID
- CompanyName
- ContactName
- ContactTitle
- Address
- City
- Region
- PostalCode
- Country
- Phone
- Fax

Figure 33: Create relation between Main form and subform

After mapping relational fields, click on “ Apply” button to finish subform creation process.
 Now resize the subform as per your requirement.

2.3.23.2 Relationship

You can create relationship between main form and subform profile using “ Relationship” property of Subform control.

Following 2 types of relationship are supported by Cellica Database application.

- 1) One-to-Many Relationship: A one-to-Many relationship in a relational database occurs when one parent record (Main form profile record) has either zero or many child record (Subform Records).
- 2) One-to-One Relationship: A one-to-one relationship in a relational database occurs when one parent record (Main form profile record) has either zero or one child record only (Subform Records).

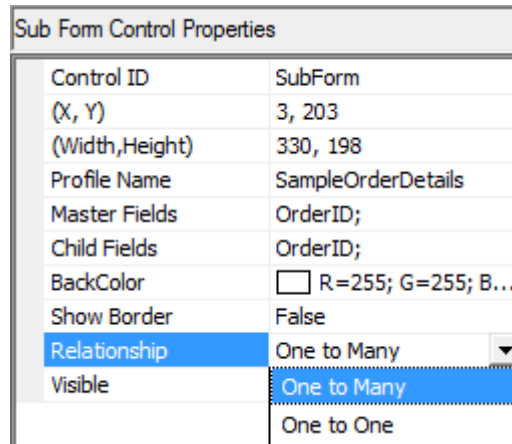
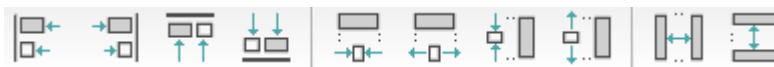


Figure 34: Setting Relationship type between main and subform.

2.3.24 Quick designing tips for Form

2.3.24.1 Align controls to each other



On the top of the Form designer window, there is toolbar for Alignment of form controls.

1. Select the controls (controls: such as a Label, text box, check box or command button, that lets users control the program.) that you want to align,

On Main Form:

Hold CTRL Key & Select Controls one by one. OR Drag a rectangle over the controls to select the Controls.

On Sub Form:

Hold CTRL Key & Select Controls one by one.

2. On the Toolbar, click one of the following Toolbar buttons:



Left: Aligns the left edges of the controls with the left edge of the leftmost control.



Right: Aligns the right edges of the controls with the right edge of the rightmost control.



Top: Aligns the top edges of the controls with the top edge of the highest control.



Bottom: Aligns the bottom edges of the controls with the bottom edge of the lowest control

Bottom. Aligns the bottom edges of the controls with the bottom edge of the lowest control.

2.3.24.2 Resize controls uniformly relative to each other on a form

On the top of the Form designer window, there is toolbar for Alignment of form controls.

1. Select the controls (controls: such as a Label, text box, check box or command button, that lets users control the program.) that you want to align,

On Main Form:

Hold CTRL Key & Select Controls one by one. OR Drag a rectangle over the controls to select the Controls.

On Sub Form:

Hold CTRL Key & Select Controls one by one.

2. On the Toolbar, click one of the following Toolbar buttons:



Tallest: Makes the controls as tall as the tallest selected control.



Shortest: Makes the controls as short as the shortest selected control.



Widest: Makes the controls as wide as the widest selected control.



Narrowest: Makes the controls as narrow as the narrowest selected control.

Also you can use Shift and Arrow keys to change the size of any control.

2.3.24.3 Move multiple controls

1. Select the controls (controls: such as a Label, text box, check box or command button, that lets users control the program.) that you want to align,

On Main Form:

Hold CTRL Key & Select Controls one by one. OR Drag a rectangle over the controls to select the Controls.

On Sub Form:

Hold CTRL Key & Select Controls one by one.

2. Now use Arrow keys to move the multiple controls on the form. Or Hold SHIFT Key and Drag Selected Controls.

2.3.24.4 Manage spacing between controls uniformly relative to each other on a form

On the top of the Form designer window, there is toolbar for managing spacing between controls on form.



Horizontal Spacing: Makes selected controls placed with even spacing between them horizontally.



Vertical Spacing: Makes selected controls placed with even spacing between them vertically.

2.3.24.5 Copy/Paste controls on form

On the top of the Form designer window, there is toolbar for Copy/Paste controls on form.

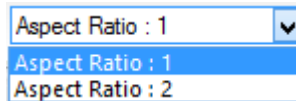


Copy: Copy one or more selected controls on clipboard. Copied controls can be paste on same form on same or different tabs.



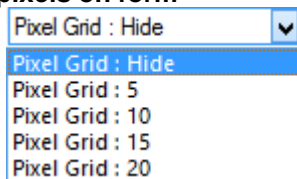
Paste: Use this option to paste copied controls on form.

2.3.24.6 Aspect Ratio



Cellica Database Anywhere allows you to design form in two aspect ratios, 1:1 (Aspect Ratio 1) and 1:2 (Aspect Ratio 2).

2.3.24.7 Manage spacing between pixels on form




Pixel grid is showed on form designer canvas for better alignment of controls. Default spacing between pixels is Hide, You can change it according to your requirement.

2.3.25 Import/Export Form Design

2.3.25.1 Export Form Design

User can export the form design as a backup or to design the similar form for new profile. On form design

page, Use  Toolbar button to export the form. This will export the form design, not mapping of your database column with the form controls.

2.3.25.2 Import Form design

When you will design new form by using “ Add Form” button, you will get profile selection dialog for this form. After selection profile, you will get following dialog. Here select the “ Import Form” option and use “ Browse” button to select the already designed form design. Select the form design which is already exported. Form design

must be exported from Cellica Database Anywhere and with .fm extension.

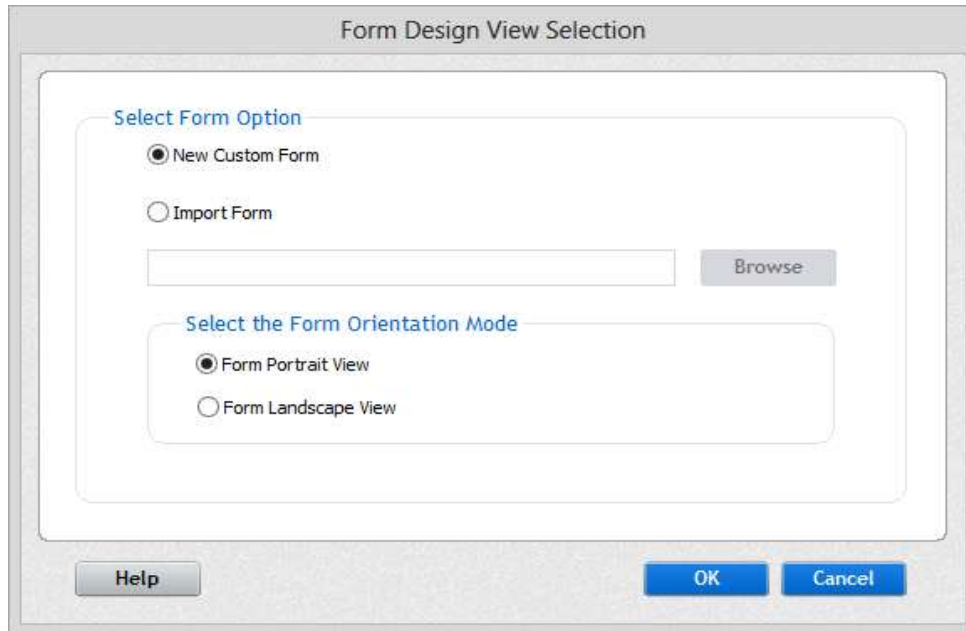


Figure 35: Import form design

2.4 Settings (Preferences)

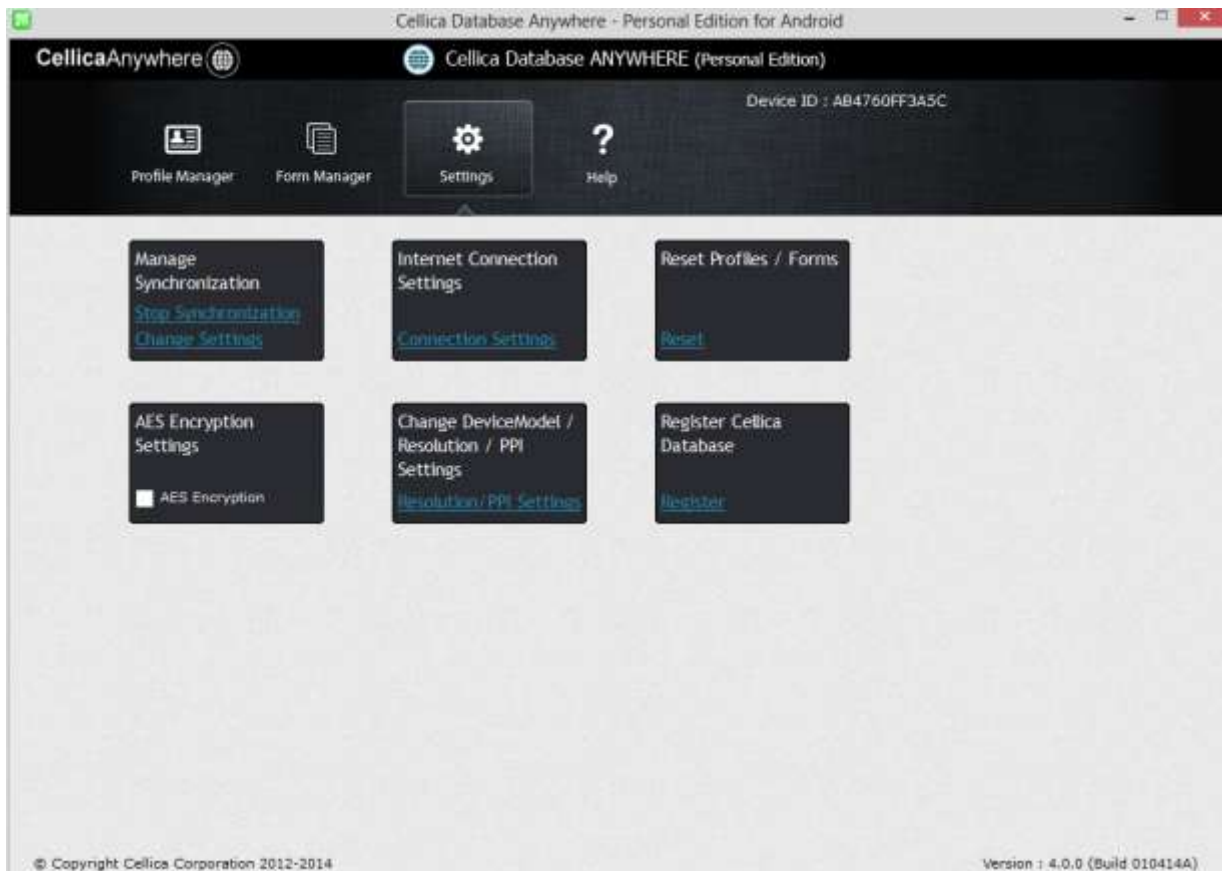


Figure 36: Preferences available on Desktop side Cellica Database Anywhere

2.4.1 Start Synchronization/Stop Synchronization

Use this button to start and stop the synchronizing database between Personal computer and Android device.

2.4.2 Synchronization Settings



Figure 37: Synchronization Settings

There are two options available to start Synchronization application (Background).

As application: As in Windows Service Mode, it's not running in any user's context, it can't access specific user's data/resources (which are specific to user account) e.g. User DSN, Network Mapped drive, network resources etc. To avoid such type of problem related to Windows Services, use “ Start As Application” option.

As Windows Service: It starts without any user logged in. It does not run in any specific user's login account

2.4.3 Connection Settings

If your PC having Internet connection using proxy and want to change the proxy settings then use this option.

2.4.4 Reset

This will reset the profiles and Forms data. This will clean data from your device and resend data from desktop to device.

2.4.5 Change Device Resolution/PPI Settings

This is important factor for Form designing. Form size depends on resolution and PPI of each device. To get form in proper scale, Resolution and PPI must be properly selected. If you select wrong device while installation, you can change it later from this option. Here select proper device model or select resolution of your device. If your device is not listed in the list then you can use “ Select Resolution” option and select the resolution of your device. “ Select Resolution” option shows combination of resolution size and PPI (DPI).

Note: If you would have created forms already and later change the device or resolution, earlier created forms will not be properly displayed on device. Please remove those forms and recreate them. Your changed device or resolution will be work for the new forms only.

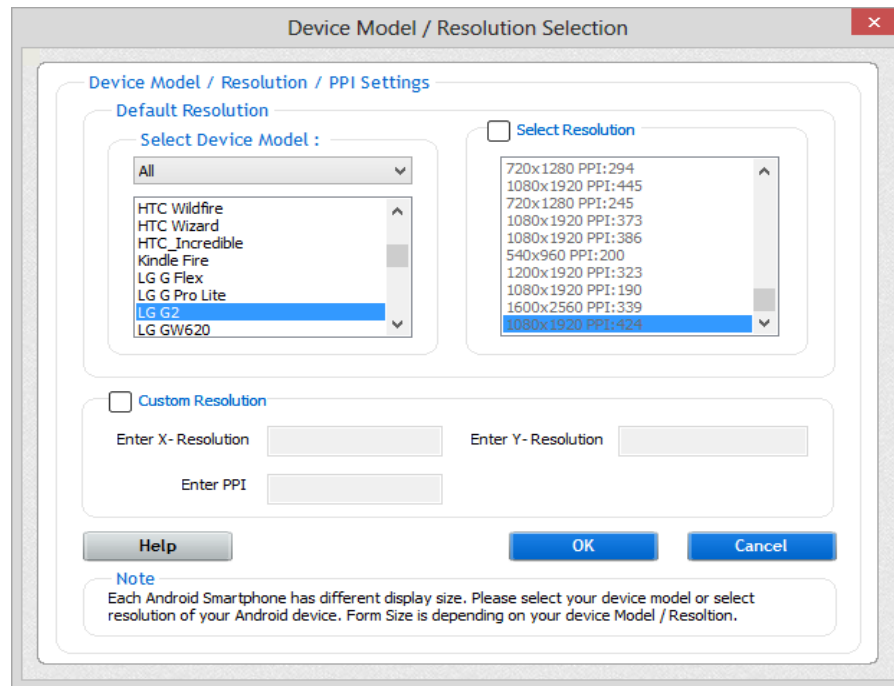
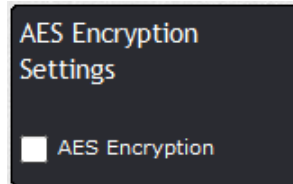


Figure 38: Change Android device resolution and DPI

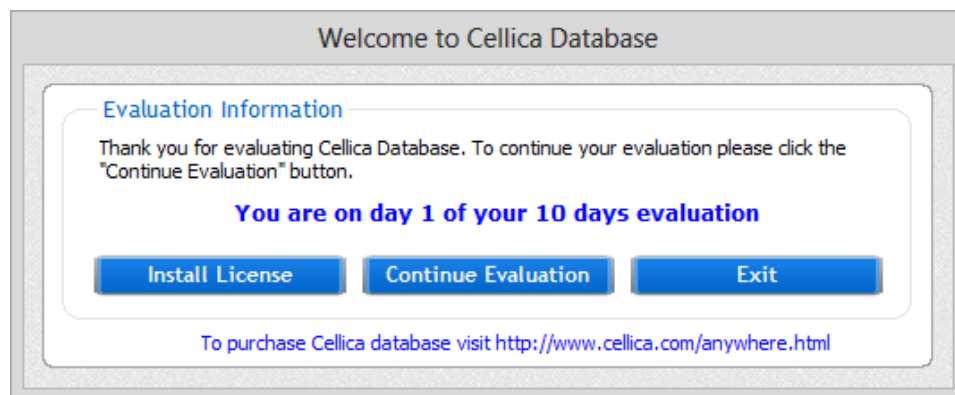
2.4.6 Encryption Settings

If you want to secure data synchronization between desktop and device, select “ Enable AES Encryption” option.



2.5 How to register the software?

When you will open Cellica Database Anywhere software on your PC, you will get following type of dialog. Use “ Continue Evaluation” button to use the software in evaluation mode. Use “ Install License” button to register the software.



After purchasing the software, please send IMEI/MEID/MAC ADDRESS of your Android to support@cellica.com. Support will send you license key, use it in the registration dialog which appears at the startup of Cellica Database Desktop software.

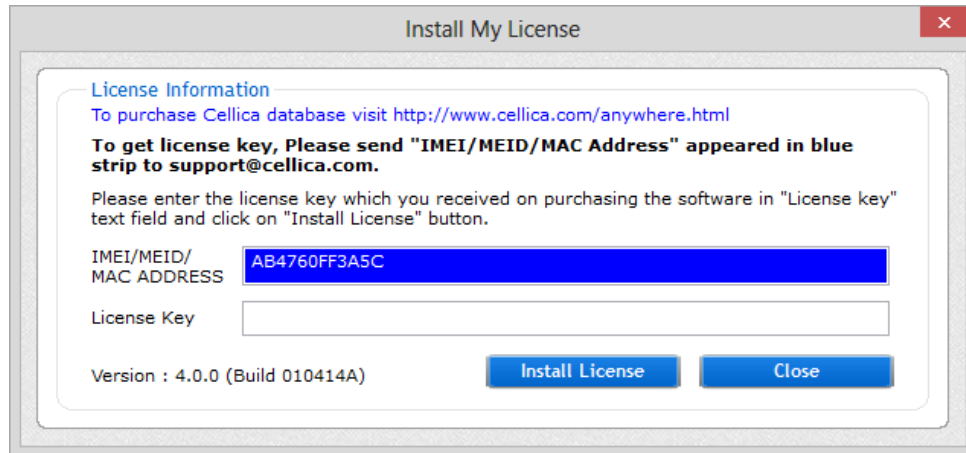


Figure 39: Software Registration

You can get registration dialog from the Preferences module also. In Preferences module(in desktop side Cellica Database), there is " Register" button, click on it to open registration dialog.

3 USING THE CELLICA DATABASE ANYWHERE ON THE ANDROID DEVICE



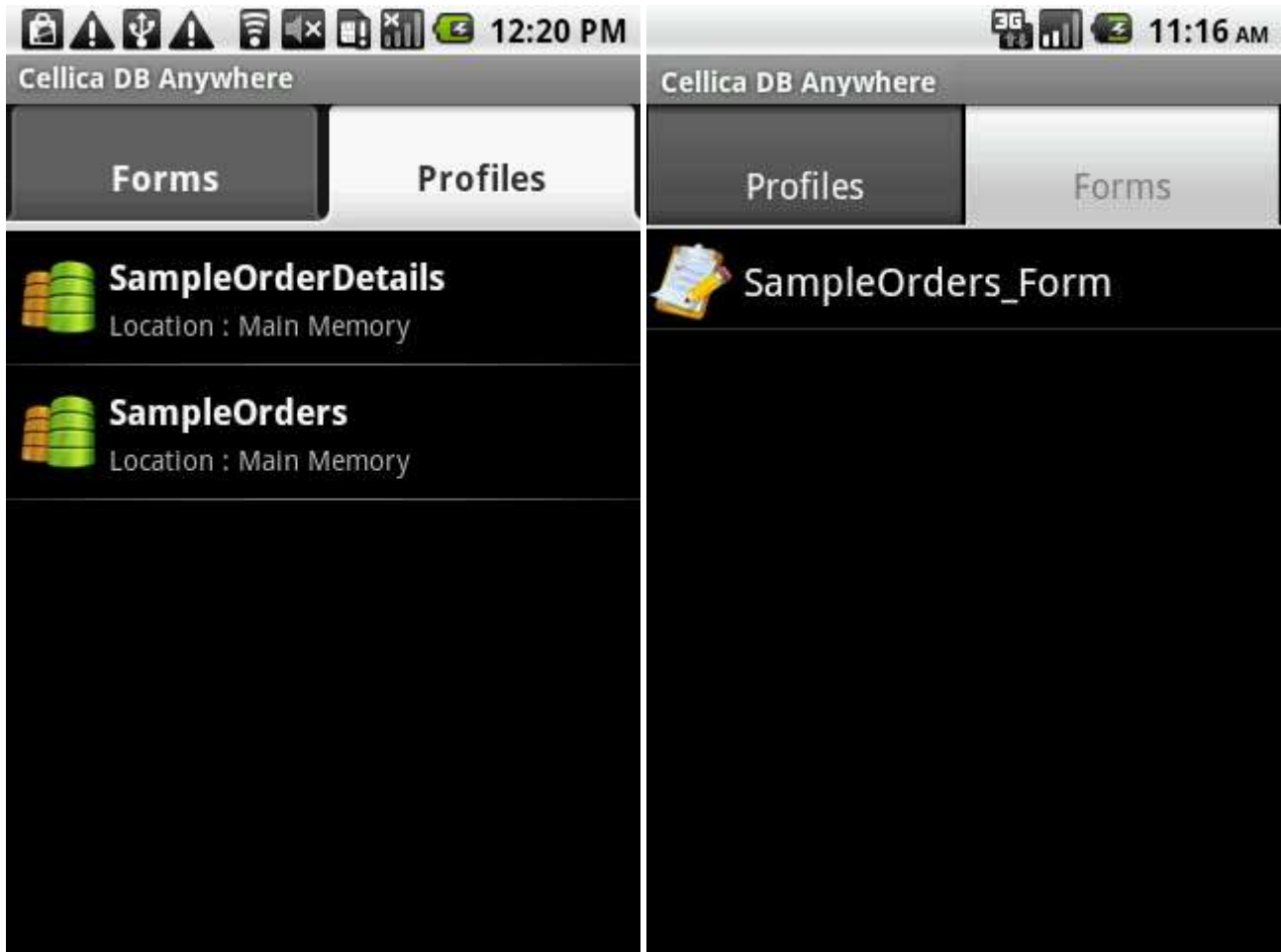
Run the “ Cellica DB Anywhere” application on Android Phone/Tablet by tapping on

3.1 Forms and Profile List on Android Device

When you will open the software now on Android device, You will get Sample Form listed there. Default screen of Cellica DB Anywhere software shows both Profiles and Forms.



Once you finished profile and Forms creation on desktop side, Use Sync menu on home screen to import forms and profiles created on desktop.



3.2 Forms on Android Phone.

To import forms from your PC, On home screen of Cellica Database software on Android device, Please use Sync menu. This will import profiles as well as your Forms.

3.2.1 Form View

When you will open any form, it will show following type of form. Here we have shown Sample form.



SampleOrders_Form [1/830]

Orders | **Details** | Contact

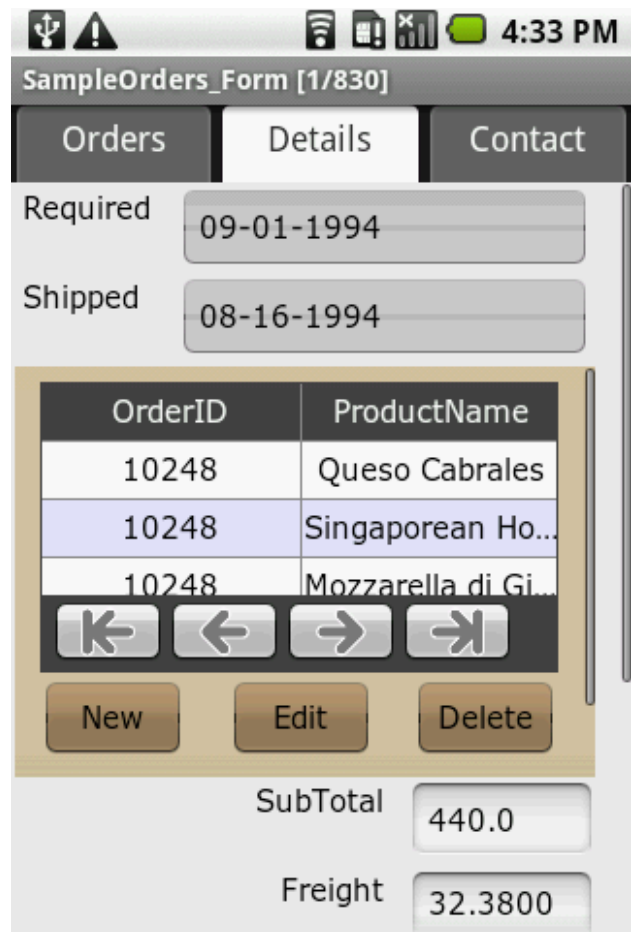
Bill To: VINET

Ship To: Vins et alcools Chevalier
59 rue de l'Abbaye
Reims France

OrderID: 10248

Order Date: 08-04-1994

First Prev Next Last
New Edit Del Find



SampleOrders_Form [1/830]

Orders | **Details** | Contact

Required: 09-01-1994

Shipped: 08-16-1994

OrderID	ProductName
10248	Queso Cabrales
10248	Singaporean Ho...
10248	Mozzarella di Gi...

← ← → →

New Edit Delete


SubTotal: 440.0

Freight: 32.3800

3.2.2 Edit Record in Form

When ever you will click Edit button to update the record on your Form, Edit button



will convert in to save button . Update your record and use Save button to save the changes.

Form will ask confirmation for saving updated record. Use “ Yes” button to save the changes. Use “ Can cel” button to ignore the changes.



The screenshot shows a mobile application interface for editing a record. At the top, the status bar displays '3G', signal strength, battery, and the time '11:33 AM'. Below the status bar is a header with 'SampleOrders_Form' and '[1/830]'. The form has three tabs: 'Orders', 'Details', and 'Contact'. The 'Details' tab is active. The form contains the following fields and buttons:

- Bill To:** VINET
- Ship To:** Vins et alcools Chevalier (highlighted with an orange border)
- Address:** 59 rue de l'Abbaye
- City:** Reims
- Country:** France
- OrderID:** 10248
- Order Date:** 1994-08-04
- Navigation buttons:** First, Prev, Next, Last
- Action buttons:** New, Save, Del, Find

Figure 40: Edit record on Form

3.2.3 ComboBox (Lookup) in Form on Android phone/Tablet

Combo box will be enabled only when user will Add or Edit the record on Form.

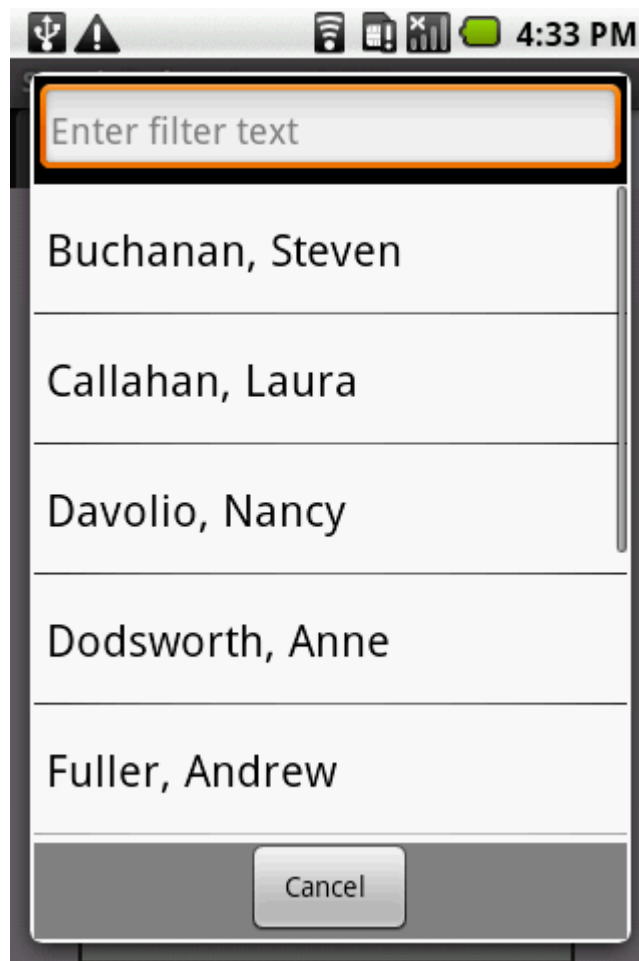


Figure 41: Combo Box in Form on Android phone/Tablet

3.2.4 Date/Time control in Form on Android Phone or Tablet



Figure 42: Date/Time Control on form

3.2.5 Find Button in Form on Android phone/Tablet

When user will use “ Find” button in Android side Form, software will show the result with number of records found.



SampleOrders_Form [1/162]

Orders	Details	Contact
Bill To	WELLI	
Ship To	Wellington	
	Rua do Mercado, 12	
	Resende	Brazil
OrderID	10256	
Date	08-15-1994	

First Prev Next Last

Edit Delete

Figure 43: Find functionality on form

3.2.6 Add/Edit/Delete data on sub form

To update the data on subform (If you are using Grid control on subform), you must put New/Edit/Delete Button control on subform.

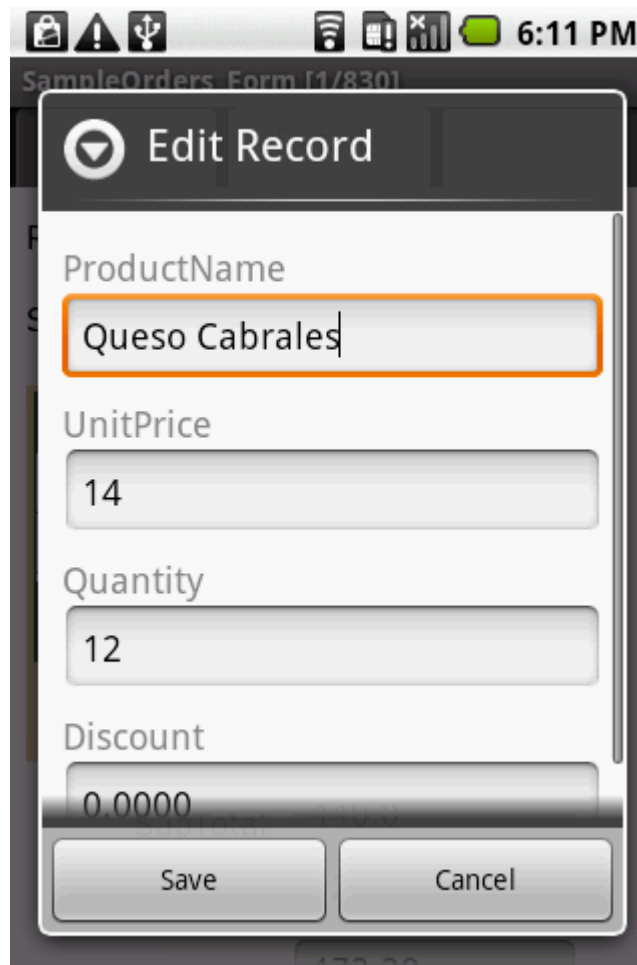


Figure 44: Edit record on form

3.2.7 Picture Control on Android phone/Tablet

Picture control is use to map the particular picture with respective record. User can map the picture available in “ Saved Photos” or “ Photo Library” on Android phone/Tablet. Tap twice on “ picture control” available on form to select the picture you want.



3.2.8 Send record data as a .png image

You can send particular record data on form in image format by Email. Select Menu button on device, you will get “ Capture” menu. Software will open the Email application and attach the form screen in .png format.



3.3 Profile List on Android Phone/Tablet

Once you finished profile creation on desktop side, use Sync menu in Cellica Database software on Android Phone/Tablet to start synchronization.

Once profile is synchronized, it will look like as follows. Tap once to open selected database.

3.3.1 Menu on Profile List

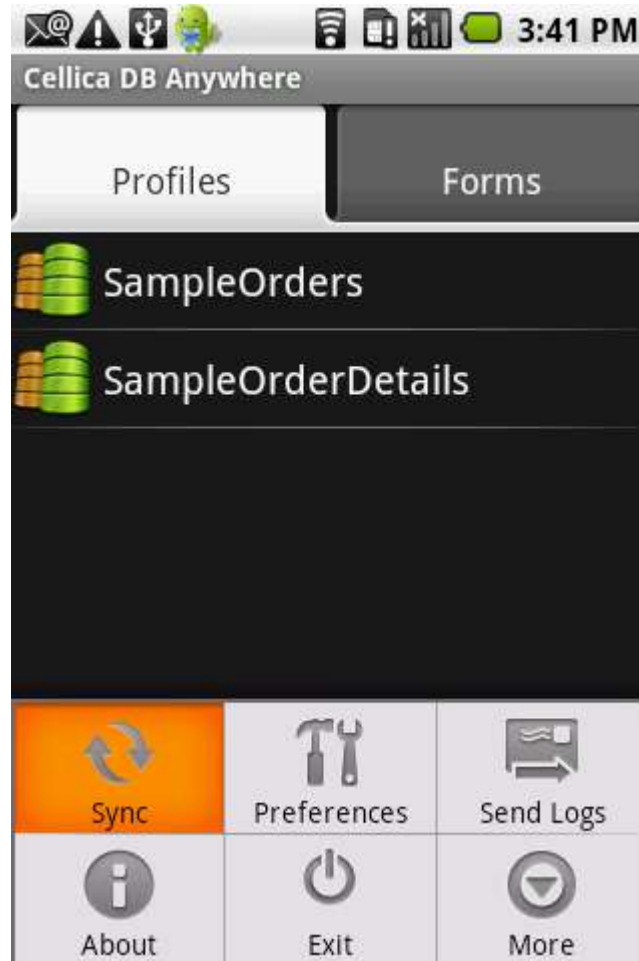


Figure 45: Menu on Profile List

Sync	To synchronize with desktop manually. Application can synchronize with desktop database automatically by changing “ Sync menu” to OFF in preferences and setting Sync interval time.
Preferences	To set various preferences such as Default view, Column width, Date Format etc.
SendLog	Use this menu to send log to support team.

3.3.2 Views available on Android Phone/Tablet

Cellica Database software on Android Phone/Tablet allows to view data in two different views.

1. Multiple Record View (Table View)
2. Single Record View

3.3.2.1 Multiple Record View and Single Record View

In Multiple Record View (Grid View), Android Phone/Tablet user will able to view database contents in Column view form.



Figure 46: Multiple Record View and Single Record View

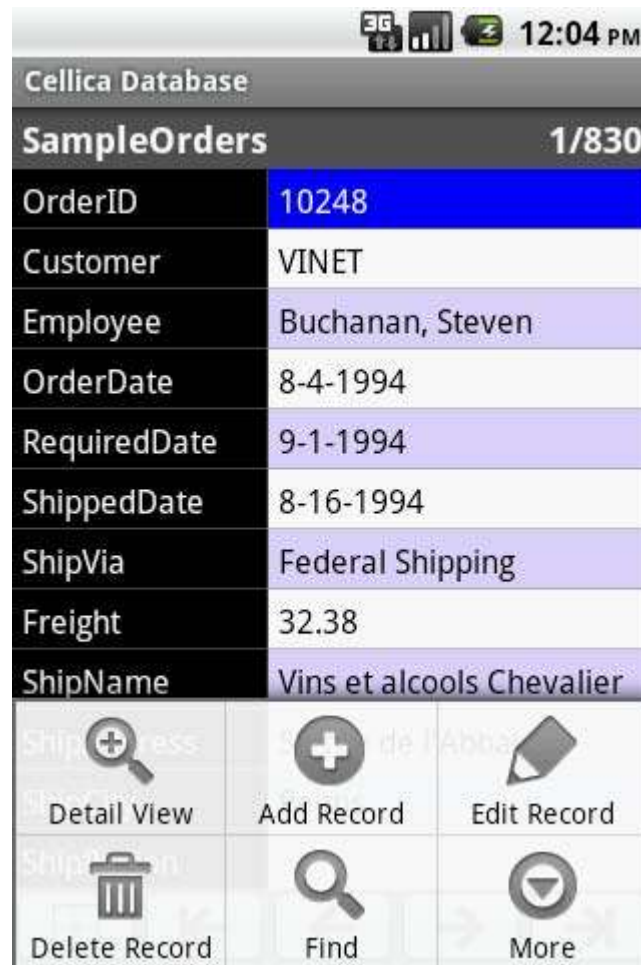


Figure 47: Menu available on Multiple Record View and Single Record View

There are various useful menu options on this screen:

Detail View	You can see the full contents of the selected field in the Detail View screen.
AddRecord	To add record in selected database.
EditRecord	To edit selected record.
DeleteRecord	To delete selected record.
Goto	Use this option to go to particular record directly.
Call	Make a Phone/Tablet call for the selected field's numeric contents, which will be treated as Phone/Tablet number.
View Single Record	Switch from Multi Record View to Single Record View.
Find	Find particular data in your database. This is discussed in the next topic entitled as Search Contents.

3.3.3 Search Contents

To search a particular string within the selected database, you can use "Find" menu options available in both "Multiple Record View" and "Single Record view" .

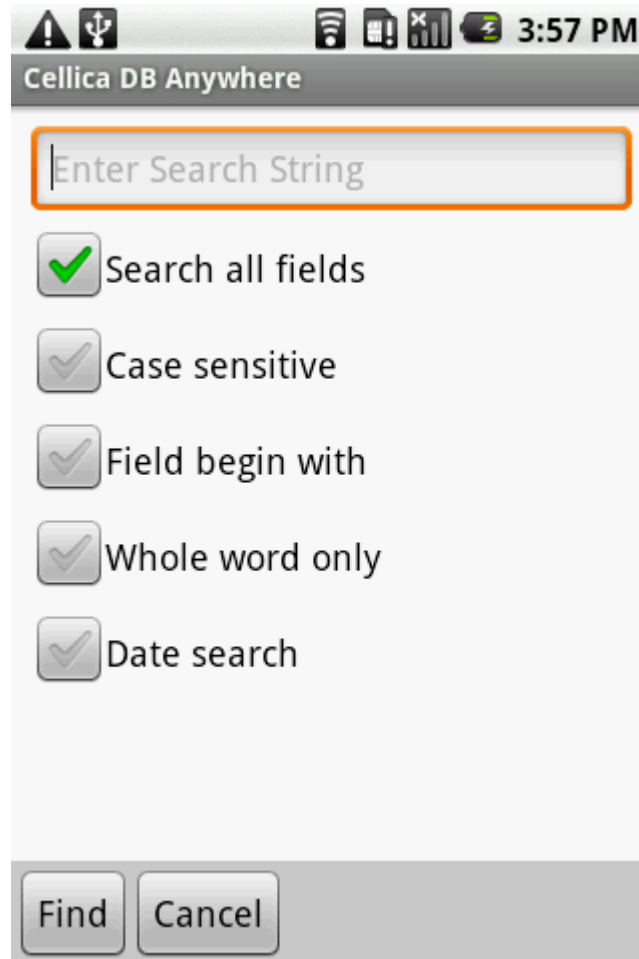


Figure 48: Search Data

You can search data in single column also, you need to unchecked “ Search all fields” option on “ Find” form, then select the required field from the available list of fields.

3.3.4 Backup Unsync Record

Backup Manager is a tool to view or store old copies of updated data from device or desktop. It can be very useful in events such as if same record is updated from desktop and device, IN such a case device side record is get overwrite by desktop version of record. But you can get the copy of device version of record in Backup Manager.



For more detail information please download Backup Manager guide form following link,
<http://www.cellica.com/download/Backup Manager Guide.pdf>

3.3.5 Preferences

In “ Settings” form you can change Sync Setting and Application Setting. In Sync Settings, user can disable Sync menu and set auto sync time interval by mentioning specific day and time. In Application Settings, user can set Time formats.

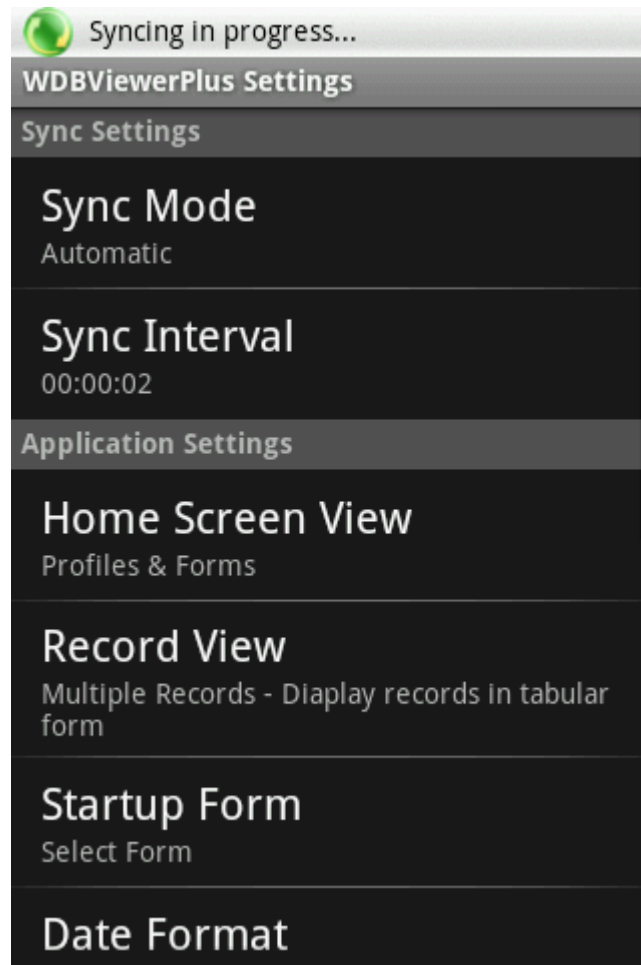


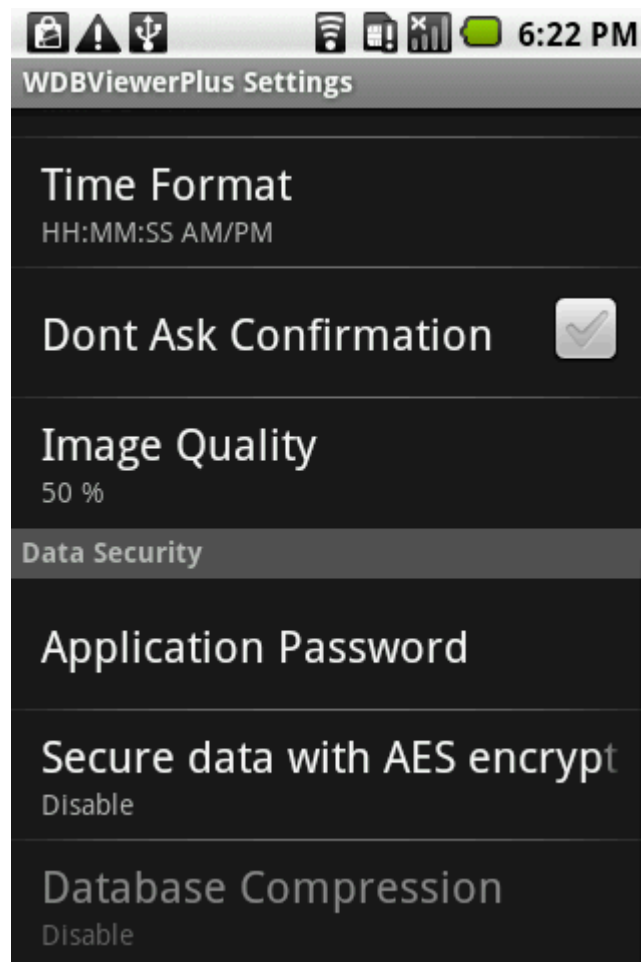
Figure 49: Preferences on Android

Sync Menu	Use this option to enable or disable sync menu. This menu will enable your manual sync option. If this option is set to ON, you will get Sync menu on home screen. If this option is OFF, then Sync menu will not be available on home screen and software will synchronize automatically according to interval set in Sync Interval option.
Sync Interval	This will allow you to set automatic sync interval time. You can set interval for days, hours or minutes. Application will synchronize automatically in background with your PC on the interval, which is set here.
Column Width	Use this menu to set the width of Column in Multiple Column view.
Record View	Use this menu to set default view of database when user will open it. User can view data in Multiple records and in single record.
Date Format	Use this menu to set the date to view as per your requirement.

Time Format	Set time format 12- hours or 24 hours.
-------------	--

3.3.5.1 Data Operation Confirmation

If this option is Set to "ON", application will not ask user confirmation to commit changes after creating New Record or Updating existing one. (Will not show "Do you want to save New/Updated" record"? prompt, will save record directly assuming confirmation)



4 FREQUENTLY ASKED QUESTIONS

Frequently Asked Questions (FAQ) are questions that our customers routinely ask us or email about.

4.1 Does software send complete database every time?

No, software sends only changed records like new/updated/deleted records and not complete database each time.

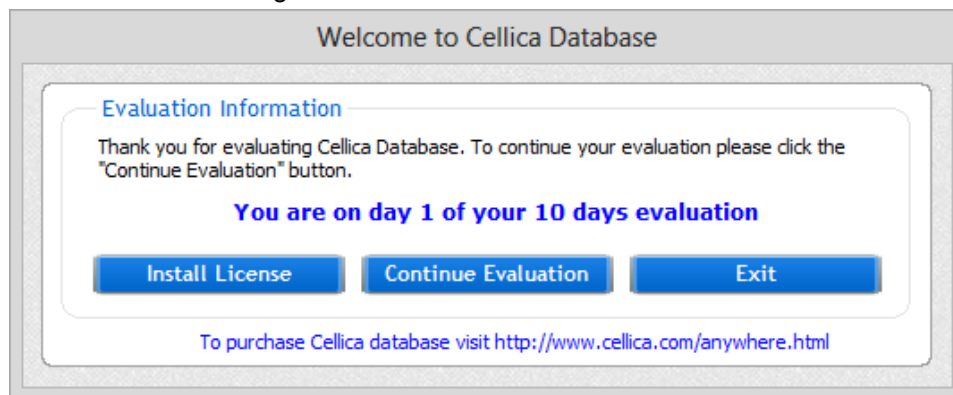
4.2 Is my database secured?

Yes, Data transfer between Android Phone/Tablet and Desktop application is secured as 128 bit AES is used for encryption.

4.3 What is evaluation period of this software?

Software has 10 days evaluation period. After 10 days, desktop software will not synchronize with Android phone/Tablet. When you will open Cellica Database software on your PC, you will get following type of dialog. Use “ Continue Evaluation” button to use the software in evaluation mode.

Use “ Install License” button to register the software.



After purchasing the software, please send IMEI/MEID/MAC ADDRESS of your Android phone/Tablet to support@cellica.com. Support will send you license key, Click on the “ Install License” button and use it in the registration dialog.

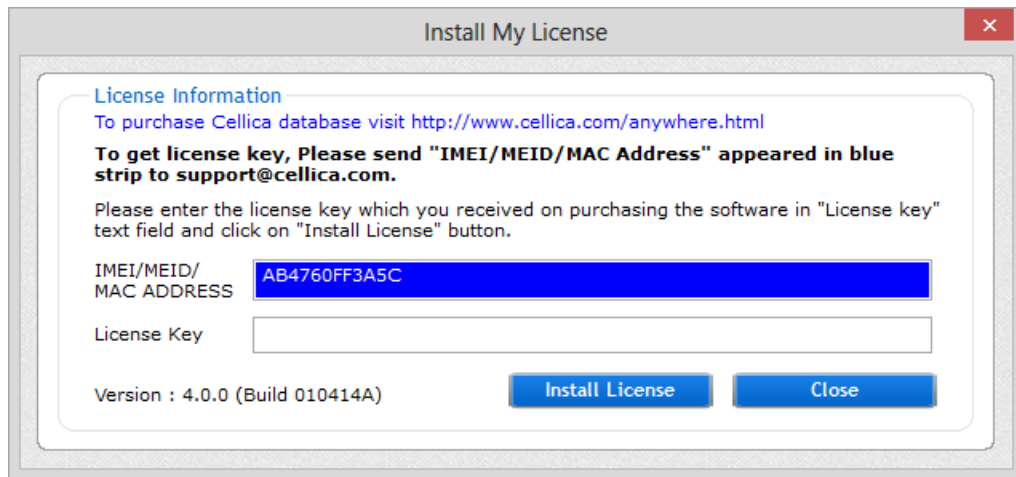


Figure 50: Software Registration

You can get registration dialog from the Preferences module also. In Preferences module (in desktop side Cellica Database), there is “ Register” button, click on it to open registration dialog.

4.4 I have to change the PC where I have installed desktop software, can I install the software on new PC?

Please uninstall desktop software from your old PC first and then only install software on new PC. To change the computer, you must uninstall software from old computer first.

4.5 Does I need to create forms compulsory in desktop software?

No, it is not compulsory. Just create profile (select tables/views/stored procedures) and sync. Make sure that in Preferences of Cellica Database application on Android, “ Preferences of Home Screen” options has set to Both or Profiles.

4.6 How to re-install desktop software after a PC crash?

Please send us IMEI/MEID/MAC ADDRESS of your Android Touch to support@cellica.com and write us exact reason what happened with the PC where you had installed desktop software.

4.7 How I can can input/read qrcode/barcode in Cellica Database?

There are two ways to accomplish reading Qrcode/BarCodes

A) Using inbuilt camera to scan QR/BarCode.

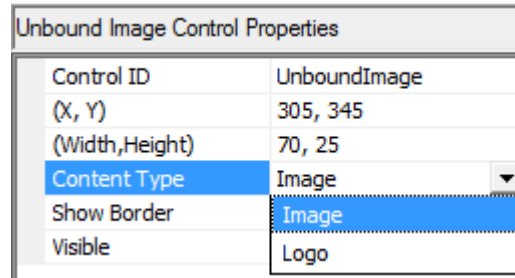
In this case we need to use “ Content Type” property of TextBox on form. Set this property to “ QR Code” .

TextBox Control Properties	
Control ID	TextBox
(X, Y)	87, 118
(Width,Height)	70, 25
Content Type	QRCode
Data Column	Shipper ID

B) Using external barcode scanner.

In this case, barcode scanner needs to be connected with device using Bluetooth. Tap in text field in New/Edit mode and then scan value using external barcode scanner. It will be put in text field automatically.

4.8 How to use image control for displaying logo?



Drag Unbound image control on form and set “ Content Type” Property to “ Logo” . Now on device you have to choose image for this control only once and same will be displayed for all records.

4.9 How to use FileMaker Pro to create profiles in desktop application?

a) Until version Filemaker Pro 7

You can create profiles using File base connection (Select your Filemaker Pro Database directly while creating Profile using “ Browse” button) and Using DSN base connection (Create DSN of your Filemaker Pro database by using the ODBC driver for Filemaker Pro) on profile connection page.

b) After Version FileMaker Pro 7

Only DSN base connection will work. Create DSN of your Filemaker Pro database by using the ODBC driver for Filmmaker Pro.

4.10 How to use phone call Feature and Send Email Feature on forms?

Use button control on form and then set button action to one of the desired action, “ Send email” or “ Phone call” . Now set the “ Data Column” property to set the destination field of profile whose data you want to use.

4.11 How to select multiple controls on form designer?

On Main form:

- Hold CTRL Key & Select Controls one by one.
- Drag a rectangle over the controls to select the Controls.

On Sub Form:

- Hold CTRL Key & Select Controls one by one.

4.12 How to work with multiple controls in form designer?

Moving multiple controls

- a) Select multiple controls.
- b) Now use Arrow keys to move the multiple controls on the form. Or Hold SHIFT Key and Drag Selected Controls to desired place.

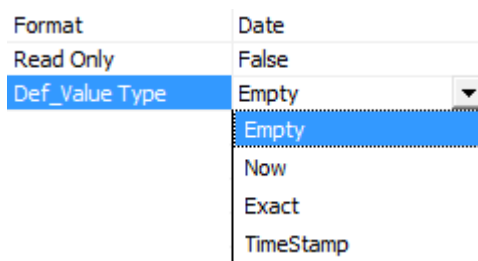
Resizing multiple controls

- a) Select multiple controls.
- b) Use Shift Key + Arrow Keys to resize multiple controls

4.13 I am getting message, Device ID “XXXXXX” already present?

This message appears when installation for same ID is present for single user version or device with this ID is added in Enterprise edition.

4.14 Can I associate record timestamp with database record?



You can do this with Cellica Database. Profile should have column with type DateTime (Timestamp). Drag “ DateTime” control on form, set its Data column property to Timestamp column in which you want to save “ Record Timestamp” . Now set “ Def Val_Type” property of DateTime control to “ Timestamp” . Now when you add or edit record on device side, this field is populated with current timestamp. If you want to do this in background then you can do this by setting “ Visible” property of DateTime Control to “ TRUE.

4.15 How I can backup my form design work/ Forms/ How I can avoid redesigning of forms/ How I can reuse form/ How I can rename form?

There are 2 ways you can save your form designing work

- a) Export multiple forms using “ Export” option available on Form Manager

Click on “ Export” button on Form Manager, you will be presented with list of existing form, select one or more forms from the list, and choose “ Export” . Select location for saving forms (.fm) files.

- b) Using export button on toolbar in Form Designer window

Sometimes you may want to take backup of your form while you are in between form designing process before making big change in design. For this purpose there is “ Export Form” button on toolbar on Form Designer Window. Click it to export your existing form layout and save it.

4.16 Can I use forms designed with single user edition in enterprise edition?

Yes, Form designed with single user edition can be used in enterprise edition. You need to export forms from single user edition (ref 11) and import them in Enterprise edition form manager while creating new form.

4.17 How can I sync my database automatically?

From Settings form, select “ Sync Settings” option and disable Sync menu option. Now set interval of syncing in days, hours and in minutes.



To start synchronization automatically, In Settings form of Cellica Database on your Android Phone/Tablet, Set “ Sync Menu” option to OFF. This will allow you to set “ Sync Interval. In Sync Interval you can set Day, Hours, and Minutes.

4.18 What time I can set for automatic synchronization?

For automatic synchronization, you can set “ Sync Interval” option in Days, Hours, and Minutes.

4.19 How can I change column width in Multi Column view (Grid View)?

Please Tap on Grid view on particular column whose width you want to change and hold there for few seconds, Context menu will appear. Select “ Resize Column Width” menu to change the width.

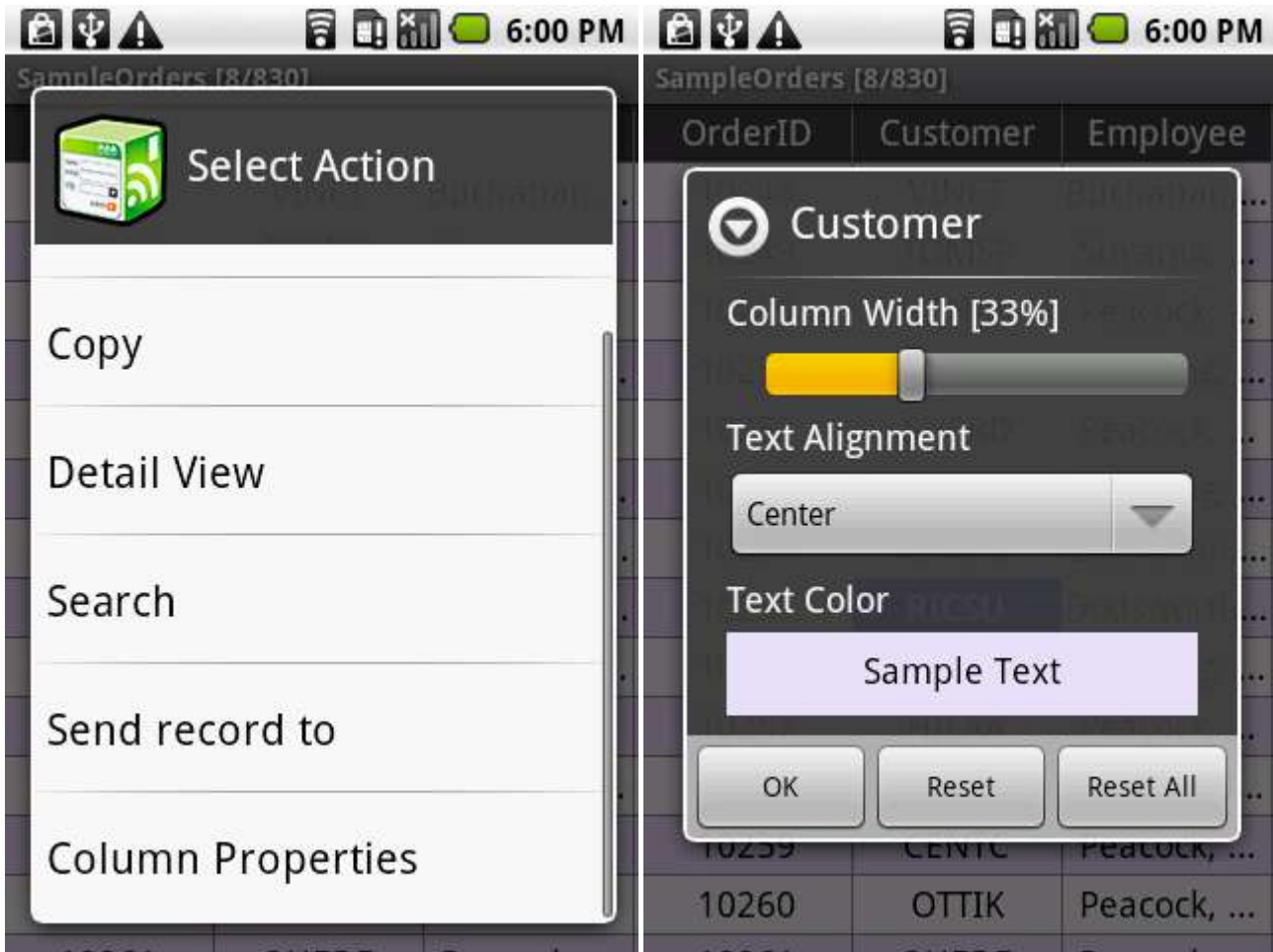
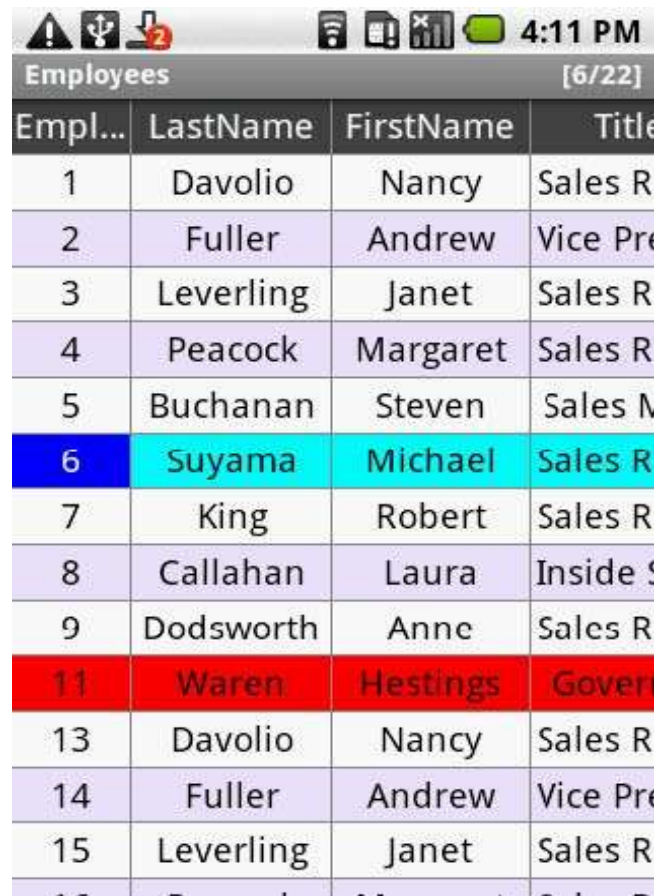


Figure 51: Change Column Width

4.20 Whenever I add/edit/delete record on Android Phone/Tablet, in Record view I get Red/Cyan color

Cyan color indicates that record synchronization is still in progress.

Red color indicates that Record has problem while syncing with desktop database. “ Status Message” menu shows information related with record syncing process.



Empl...	LastName	FirstName	Title
1	Davolio	Nancy	Sales R
2	Fuller	Andrew	Vice Pre
3	Leverling	Janet	Sales R
4	Peacock	Margaret	Sales R
5	Buchanan	Steven	Sales M
6	Suyama	Michael	Sales R
7	King	Robert	Sales R
8	Callahan	Laura	Inside S
9	Dodsworth	Anne	Sales R
11	Waren	Hestings	Govern
13	Davolio	Nancy	Sales R
14	Fuller	Andrew	Vice Pre
15	Leverling	Janet	Sales R

Figure 52: Status of updated record

4.21 How to scan Bar code in Cellica Database?

You need to hold for few seconds on Text Box in Form and it will display menu "Scan Barcode".



On clicking this “ Scan Barcode” menu, you will get another dialog, where you have to select type of bar code you want to scan (“ Scan QR Code/ Scan Product/Auto Detect”).

Software will scan the Bar code according to this and display data in text box.

Scan QR Code: Use this option to scan QR Code.

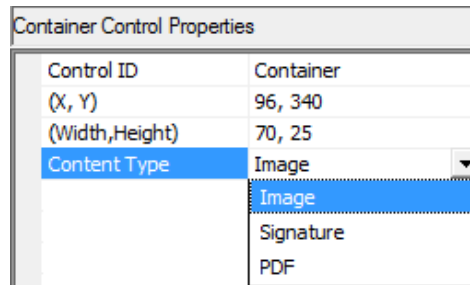
Scan Product: Use this option to scan One Dimensional Bar codes on products.

Auto Detect: Use this option, if you do not know the Bar code type.

You can get barcode scanning option in Text Box control on forms, Search Field and in editing profile data.

PS: To enable barcode scanning functionality on your device, you should have installed "Barcode Scanner" application on your Android device.

4.22 Can I view and sync PDF data ?



You can sync PDF data from desktop database to device and view these PDFs on device. Use “ Image/ Signature” (Container) control with “ Content Type” set to “ PDF” . Map the column containing PDF data to control and synchronize profile and form with device.

5 SUPPORTED DATA TYPES

Currently Cellica Database for Android Phone/Tablet supports following data types.

- Memo, Char, VarChar, VarChar2
- Number of type: Byte, Decimal, Integer, Long Integer, Single, Real, Float, Double
- GUID
- Date/Time
- AutoNumber of type: Long Integer
- Yes/No
- Hyperlink
- Currency

6 CONTACT US

You can use the following email addresses to contact us:

o Product support: support@cellica.com

o Sales inquiry: sales@cellica.com

7 SYSTEM REQUIREMENT

Desktop: Windows XP, Windows 2000, Windows 2003, Windows Vista, Windows 7, Windows 8

Device: Android phone running OS 2.3.3 or higher