

Quick start guide

iX recipe enhancements

SER0021 - Associate pictures with your recipes



1 Function and area of use

This document provides guidelines when working with SER0021.

This document explains the integration of the code into your application and its operation.

2 About this document

This quick start document should not be considered as a complete manual. It is an aid to be able to startup a normal application quickly and easily.

Copyright © Beijer Electronics, 2020

This documentation (below referred to as 'the material') is the property of Beijer Electronics. The holder or user has a non-exclusive right to use the material. The holder is not allowed to distribute the material to anyone outside his/her organization except in cases where the material is part of a system that is supplied by the holder to his/her customer.

The material may only be used with products or software supplied by Beijer Electronics. Beijer Electronics assumes no responsibility for any defects in the material, or for any consequences that might arise from the use of the material. It is the responsibility of the holder to ensure that any systems, for whatever applications, which is based on or includes the material (whether in its entirety or in parts), meets the expected properties or functional requirements. Beijer Electronics has no obligation to supply the holder with updated versions.

Use the following hardware, software, drivers and utilities in order to obtain a stable application:

In this document we have used following software and hardware

- iX-Developer 2.4 SP5
- Any X2 series (except BoX2, as this object requires a screen)

For further information refer to

- iX Developer Reference Manual (MAxx831)
- iX Developer User's Guide (MAxx832)
- [Beijer Electronics knowledge database, HelpOnline](#)

This document and other quick start documents can be obtained from our homepage. Please use the address support.europe@beijerelectronics.com for feedback.

3 Table of Contents

- 1 Function and area of use.....2
- 2 About this document.....2
- 3 Table of Contents.....3
- 4 iX Recipe enhancements4
- 5 Installation of software.....4
- 6 Operation9
- 7 About Beijer Electronics 11
 - 7.1 Contact us 11
 - Global offices and distributors 11

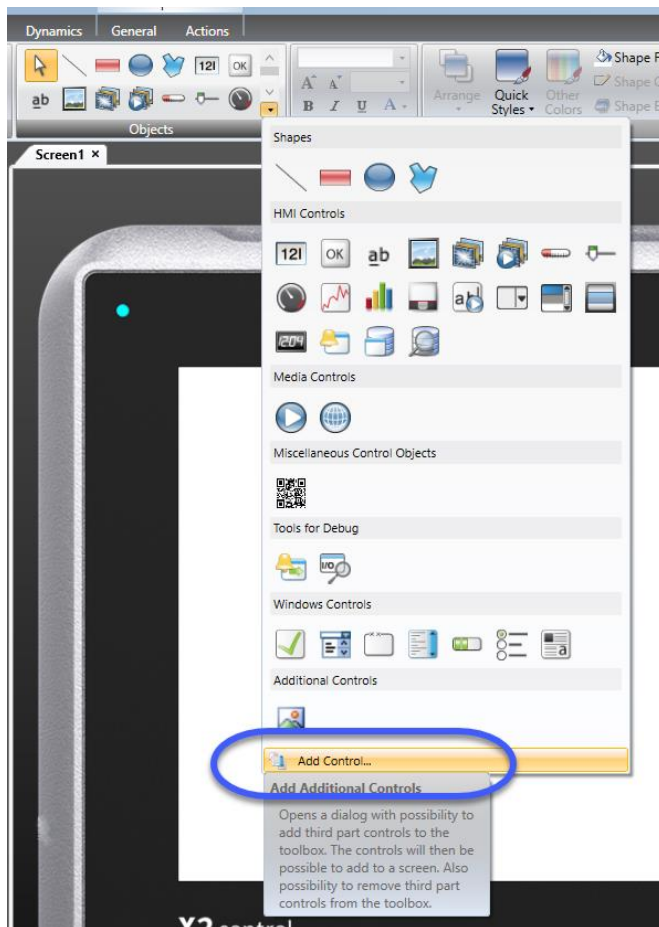
4 iX Recipe enhancements

Multi-lingual work environments require a more graphical approach. This extension to the iX recipe system allows pictures to be associated to recipe names meaning the product can be recognised visually.

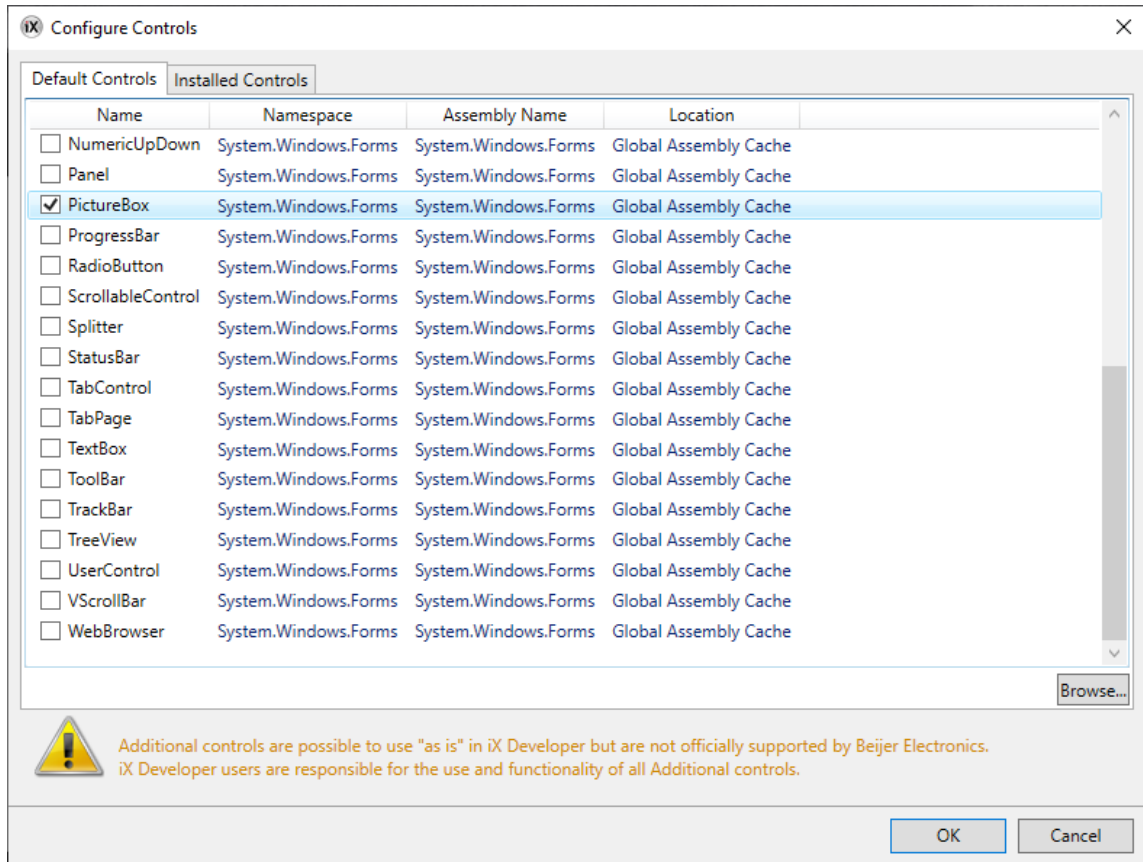
Pictures are stored on the USB memory stick which makes it quick and easy to add or remove items; indeed, this can be done via FTP.

5 Installation of software.....

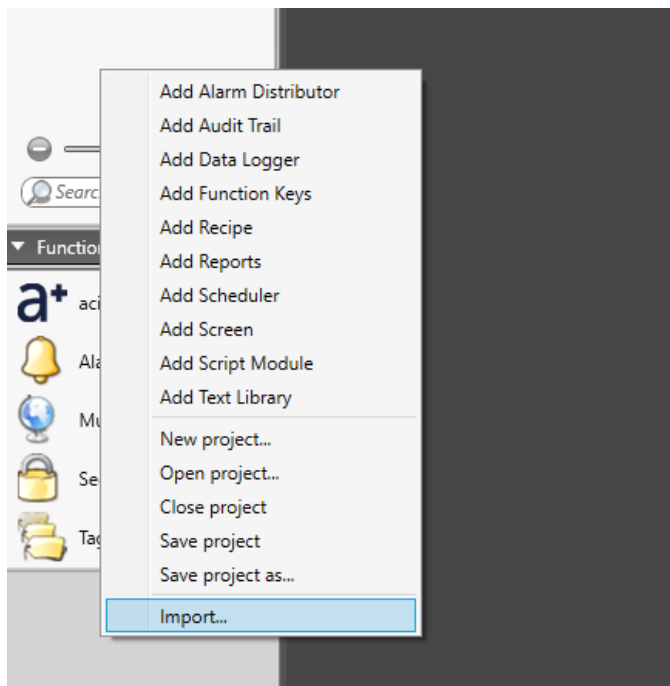
1. Unzip the SER0021 zip file to a temporary folder. In here is this guide, a folder with sample *.jpg's and a sample project (which has been backed up to a zip file by iX-Developer)
2. Further unzip the iX project. There is no need to open it, although it is a working project and can be used to test functionality if required. If you want to trial the functionality, we have provided *.jpg's which you should copy to the root of a USB memory stick.
3. Open your existing project in iX-Developer, or start a new one. The following steps explain how to bring the SER0021 functionality into your project.
4. SER0021 uses an 'Additional Control'. This is added to your iX-Developer installation. From the 'Home' tab, select 'Objects' then 'Add Control'



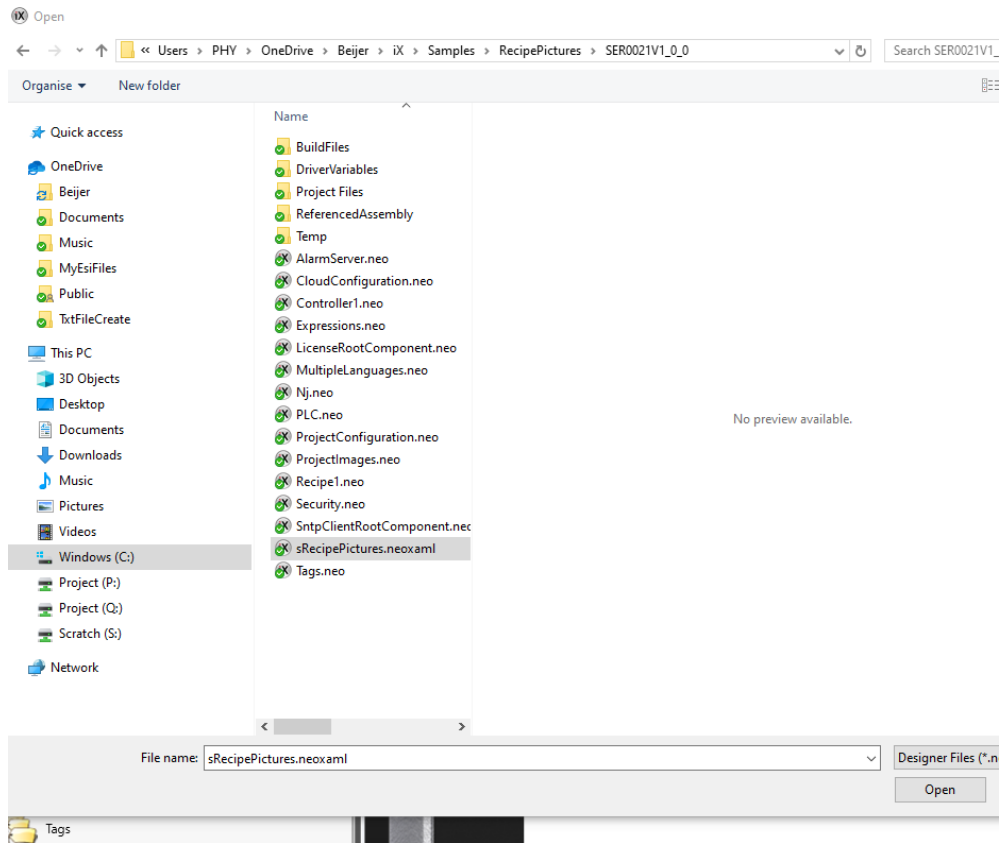
- In the dialog box, select 'Picture Box' then 'OK'. The new Picture Box control is now added and available.



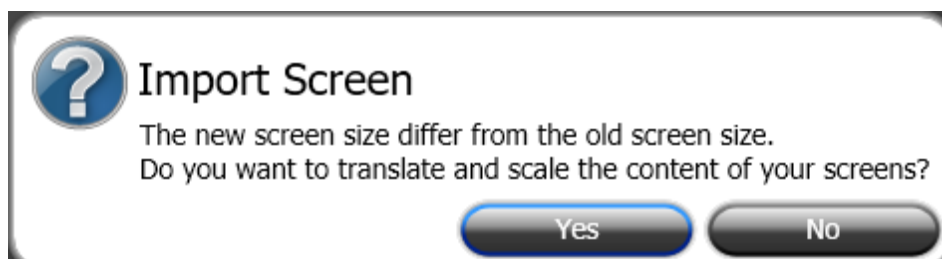
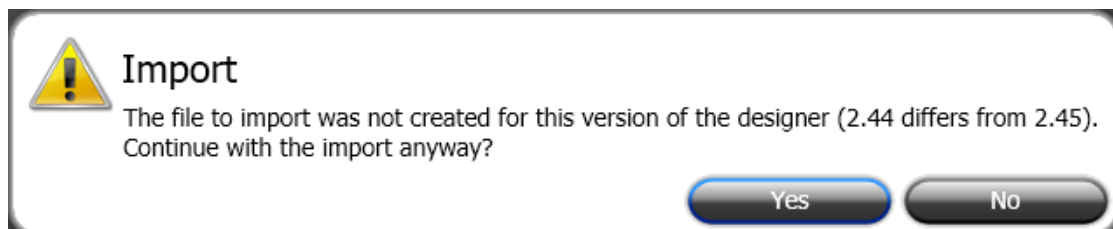
- In the lower left of the Project Explorer window, right-click and select 'Import' from context menu



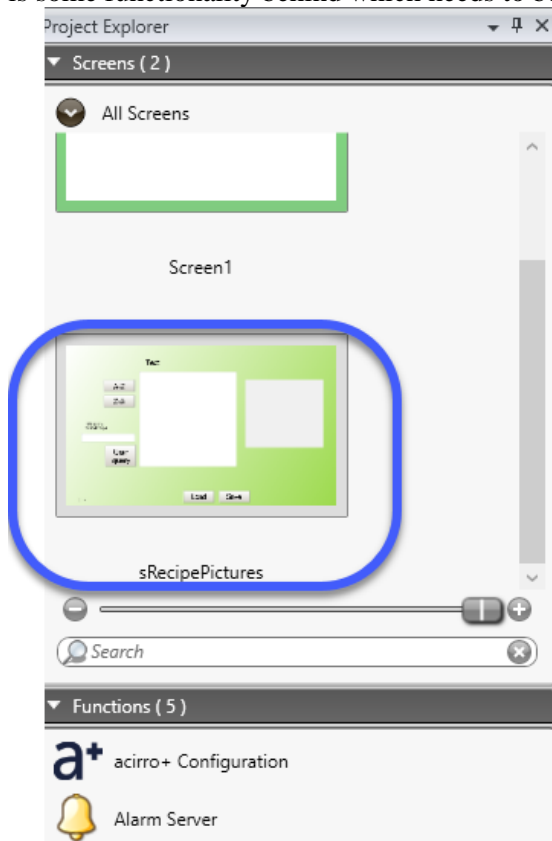
- In the File selection window, navigate to the temporary folder where the sample project was extracted to and select the following file.



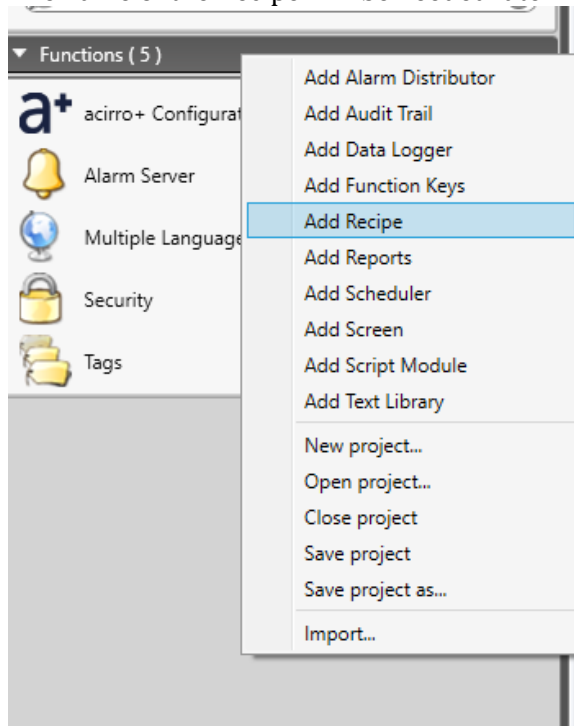
- The following warnings/information messages can be safely acknowledged and ignored (click 'Yes')



- This will add 1 new screen to your application. The screen's appearance is free to change although there is some functionality behind which needs to be retained.



- Add a recipe (if one is not already existing in your project) as per standard iX-Developer functionality. Add recipe items and Runtime data. The name of the Recipe will be needed later in this process.



11. Access the script behind the new screen (**sRecipePictures**) and edit this text to the name of your recipe.

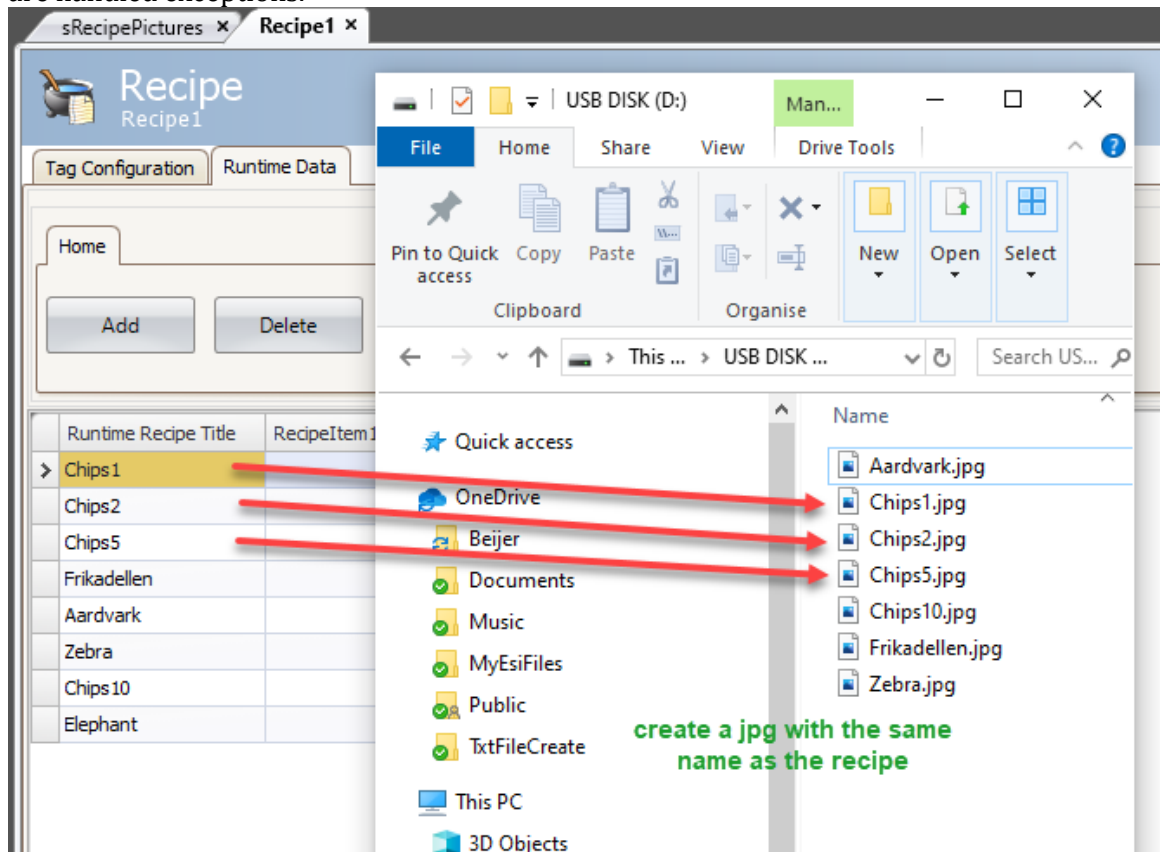
```
public partial class sRecipePictures
{
    private Image _image;
    private string _storagePath = @"%SystemDrive%\Disk\";
    private string _recipeName = "Recipe1";

    void FillList(string sqlStatement)
    {
        var storageCacheService = ServiceContainerCF.GetService<IStorageCacheService>();
        IStorageQuery database = (IStorageQuery)storageCacheService.GetService<IStorageQuery>();
        DataTable result = (DataTable)database.SelectQuery<DataTable>(sqlStatement);
    }
}
```

12. And make this change to your specific recipe name i.e. the same that you entered in the previous step.

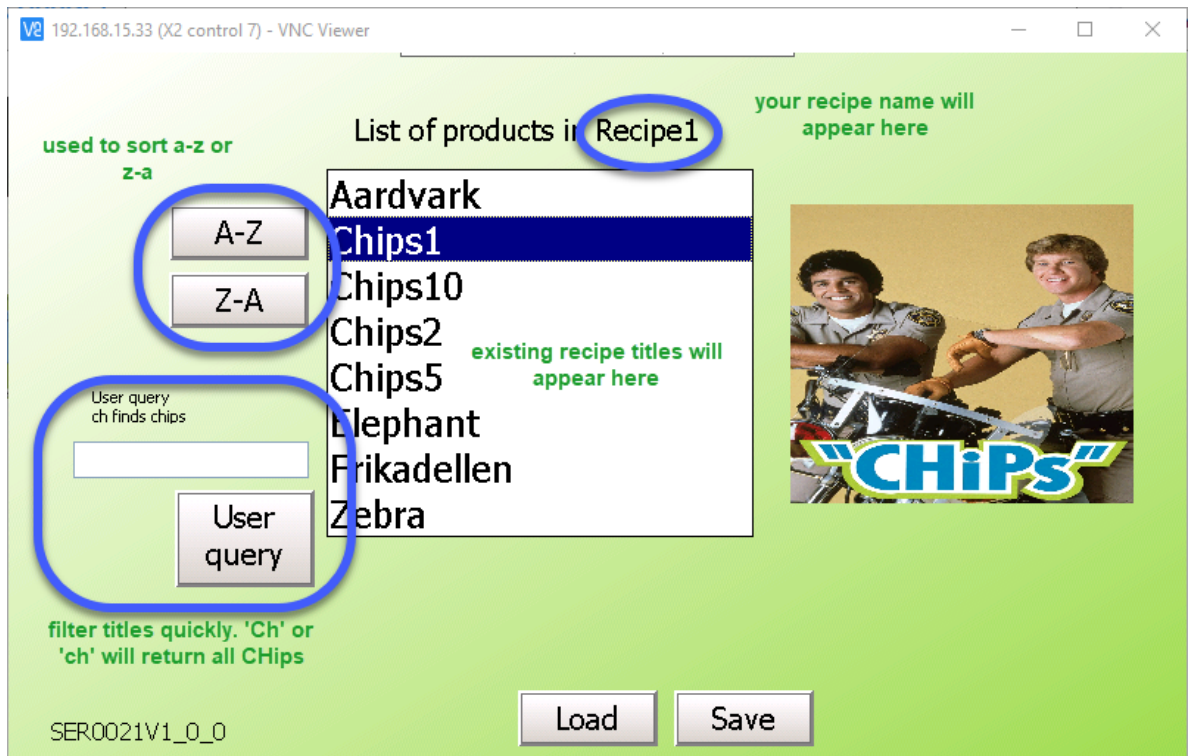
```
94 void btnLoad_Click(System.Object sender, System.EventArgs e)
95 {
96     if (ListBox.SelectedIndex > -1)
97     {
98         Globals.Recipe1.LoadRecipe(ListBox.SelectedItem.ToString());
99     }
100 }
```

13. Add a *.jpg of the exact name of each Recipe runtime title to the USB. Missing or incorrect names are handled exceptions.

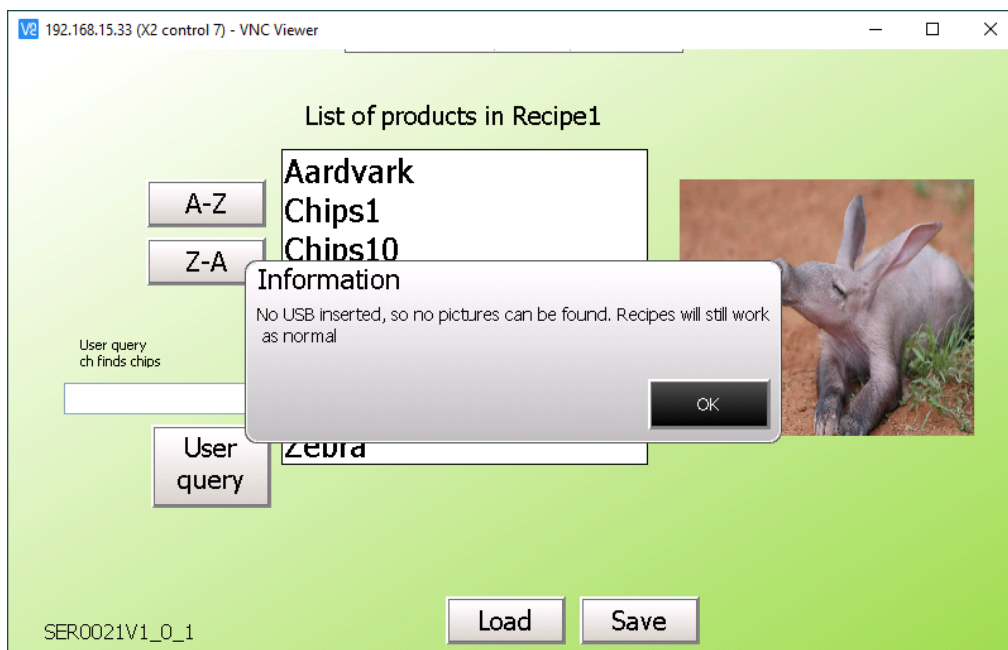


6 Operation

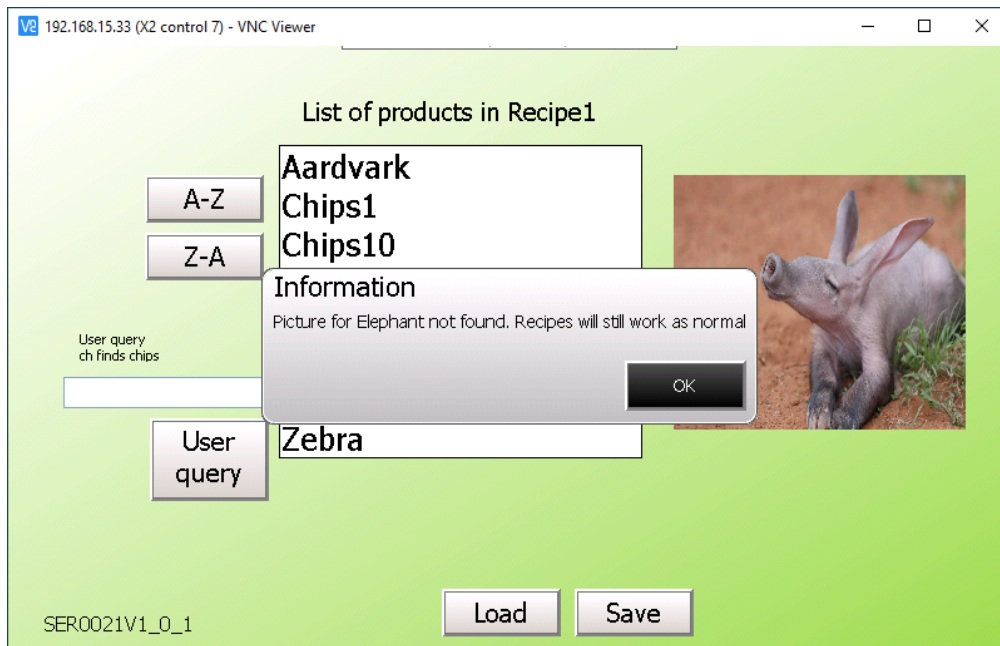
1. The sRecipePictures screen will appear like this



2. The recipe title can be sorted alphabetically or reverse-alphabetically.
3. The user can make 'like' queries to quickly find the recipe title you need.
4. Selecting the item in the listbox will show the matching *.jpg (if it's available on the USB memory stick)
5. No USB will show this, but operation will continue.



6. A missing *.jpg will show this, but operation will continue



7. The 'Load' button follows standard iX-Developer functionality.
8. The 'Save' button calls the native Save dialog with a standard 'Action'. The Action's parameters need to reflect the name of your recipe (Recipe1 by default)
9. All standard iX-Developer recipe functionality (load, save, export, import, Offline edit, delete) is not affected, and can be used in parallel.
10. If you have multiple recipes, create multiple copies of the screen with the two script modifications.

7 About Beijer Electronics

Beijer Electronics is a multinational, cross-industry innovator that connects people and technologies to optimize processes for business-critical applications. Our offer includes operator communication, automation solutions, digitalization, display solutions and support. As experts in user-friendly software, hardware

and services for the Industrial Internet of Things, we empower you to meet your challenges through leading-edge solutions.

Beijer Electronics is a Beijer Group company. Beijer Group has a sale over 1.6 billion SEK in 2019 and is listed on the NASDAQ OMX Nordic Stockholm Small Cap list under the ticker BELE. www.beijergroup.com

China

Shanghai

NORWAY

Drammen

TAIWAN

Taipei

DENMARK

Roskilde

SOUTH KOREA

Seoul

TURKEY

Istanbul

FRANCE

Paris

SWEDEN

Göteborg
Malmö
Stockholm

UNITED KINGDOM

Nottingham

GERMANY

Nürtingen

USA

Salt Lake City

7.1 Contact us

[Global offices and distributors](#)