Multi-Language Input

Two methods for entering text in different languages:

1. Using A Character Map................................. Page 2
2. Using A Keyboard ........................................ Page 7

Sample Program:

3. How to Switch Between Languages by a Touch of a Button................................................. Page 15
I. PROCEDURE for Multi-Language Input using Character Map

1. Check to make sure the specific language is installed in your PC.

   In your Windows, select Control Panel – Regional and Language Options – Advanced - then choose the language.
If you have Microsoft office, you can use Arial Unicode MS font for all Language.
2. To find the Character Map, select the following:
   a. From your Windows, select All Programs – Accessories – System Tools – Character Map.

If the Character Map application is not installed in your PC, then you must first install it from Control Panel – Add or Remove Programs – Add/Remove Windows Components – Accessories and Utilities.
Example: Select Japanese characters using the Character Map.

1. Check on [Advanced view]
2. Change the language group
3. Proper fonts will be automatically selected after you change language group on step 2
3. In WindO/I-NV2, select the Text and the Text dialog box appears.

4. Since Japanese and English are standard fonts, then you can directly download the project without other additional steps. **However, if you have other languages (besides Japanese/English), make sure to first select Options in Download and then check the language fonts used before downloading the project to complete the process.**
USING A KEYBOARD

II. Procedure for Multi-Language Input using a Keyboard

Example: Demonstrate the steps in WindO/I NV2 software with the use of the Keyboard as the input method for Asian Fonts.

**Step 1:**

1) Install Font

2) Go to Control Panel \rightarrow Regional and Language Options \rightarrow Languages

Check the "Install files for East Asian Languages" check box and click on the OK button. The PC will reboot.
### Step 2:

3) After PC has rebooted go to Control Panel → Regional and Language Options → Language → Details

The "Text Services and Input Languages" dialog box (see below) will be appeared. Click on the "ADD" button.
The "Add Input language" dialog box will appear. Select the language that you want to add and then click "OK" button.

There are two places you can enter text messages in WindO/I NV2, direct input (text window) and Unicode Input.

**Direct Input Text Box**

![Direct Input Text Box](image-url)
Unicode Input
Note: If you are using a "Unicode Input", skip step 3 and go to step 4.

Click the button for Unicode Input.
Step 3:

**For a Direct input text box (non Unicode Input)**

If you do not want to use a unicode input window, you need to change the language settings in "Regional and Language Options."

Go to "Control Panel" --> "Regional and Language Options" --> "Advanced" --> set a language to Japanese if you are using a Japanese font.

![Regional and Language Options dialog box with Japanese selected](image.png)
Step 4:

And set a language in a "language font" by putting a cursor in text box.
You don't have to select "Hiragana". They can select either one of these. The Hiragana is one of the Japanese character.

**Windows font Option**
If you select "Windows" Font, then you need to select Japanese font in "Script" window for Japanese language.
5. Since Japanese and English are standard fonts, then you can directly download the project without other additional steps. However, if you have other languages (besides Japanese/English), make sure to first select Options in Download and then check the language fonts used before downloading the project to complete the process.
How to Switch Between Languages by a Touch of a Button

You have the option to first create a data base (Text Manager) of different group of languages or you can create the words (in different languages) as you go.

Note, you will need to do your own translation between two languages.

1. In this example, first, let’s create a group of languages in the Text Manager. From the top menu, select Edit – Text Manager.

2. We will need to create 2 groups with different languages, for instance, in English and Chinese / Japanese language.

In the Text Manager, click the box on the right of the Text Group.
4. Follow the steps to below to add “Group#s”:

Step 1: Set to “2” for 2 Groups

Step 2: You may rename the Groups

Step 3: Select “Group1” – this means that the English words will be displayed as the default on the screen.

Step 4: Select “LDR 0” – each bit in this register will correspond to a Group # set. In this example, we will set a value of 1 to bit 1 to switch from English to Chinese/Japanese.

Step 5: Click the OK button to close.

4. In the Text Manager, assign the following:
   **Text Group: 1-Group 1, Text ID: 1, Font: Windows, Text: type the word “Hello”**

Next, click the Add / Edit button to register the word “Hello” under Text Group 1 or “1-English” (as the English word group).

It’s now registered!
5. Select the **Text Group** as Group 2 or "2-Chinese/Japanese".

**Step 1.** Set the Text Group : 2-Chinese/Japanese, Text ID: 1, Font: Japanese.

**Step 2.** Next, open the Unicode Input and enter the characters from Character Map.

6. Use the Character Map and select the characters you like, ideally the translation word from the English word "Hello". It will display the characters next to "Characters to copy."

**Step 2.** Once done, select the "Copy" button from the Character Map.
**Step 3.** Next, go to the Unicode Input and paste (Ctrl V) the characters.
**Step 4.** Click the OK button to close the Unicode Input.
7. Now, make sure to click the “Add/Edit” button to register this characters under Text ID 1, Group 2.

You may close the Text Manager window by clicking the Close button.
8. Select a **Word button** and configure the Text to switch between English and Chinese language. Follow the settings as shown below.

9. In the Text Registration tab, check the box “Use Text Manager” and the number “1” for the Text ID which we have the word “Hello” translated and registered in the Text Manager.

Click the OK button to close the properties of Word Button.
10. To simulate or check what it would like if the button is pressed, in this case, click "TXT →" or "TXT ←" icon to simulate.

After you click the "TXT →" icon, here's the result: