Human Machine Interface (HMI) GOT

Comment Display (Language Switching)

This online training system (e-learning) is intended for those who use the comment display of the GOT2000 Series HMI for the first time.

In this course, we will learn how to switch the language using the comment display.

As prerequisites for this course, you should have already completed the following courses or possess the equivalent knowledge in:

- FA Equipment for Beginners (HMIs)
- GOT2000 Basics (GOT Introduction)
- GT Works3 (GT Designer3) Basics (Screen Design Introduction)
- GT Works3 (GT Designer3) Basics (Elementary Screen Design)
- Comment (Introduction)
- Comment Display (Basics)

The contents of this course are as follows.
We recommend that you start from Chapter 1.

Chapter 1 Overview

We will learn the mechanism for language switching and contents to create in the course.

Chapter 2 Language Switching Settings and Screen Design

We will learn how to configure the settings and screen design for language switching.

Chapter 3 Summary

We will check the created/set data.

Final Test

Passing grade: 60% or higher.

Following is an explanation of how to use the graphical user interface.

Go to the next page	**>**	Go to the next page.
Back to the previous page	**<**	Back to the previous page.
Move to the desired page	**TOC**	"Table of Contents" will be displayed, enabling you to navigate to the desired page.
Exit the learning	**X**	Exit the learning. Window such as "Contents" screen and the learning will be closed.

Safety precautions

When you learn based on using actual products, please carefully read the safety precautions in the corresponding manuals.

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Chapter 1 Overview

We will learn the mechanism for language switching and contents to create in the course.

1.1 Mechanism for language switching

1.2 Contents to create in the course

By setting multiple comment columns in a comment group, you can register comments in multiple languages.
If a comment is registered in different languages in each column of the comment group, the language of the comment displayed can be switched according to a value (column number of the comment group) in the language switching device.

1) Comments can be registered in multiple languages.

Comment No.	Comment column No. 1 (English)	Comment column No. 2 (Japanese)	Comment column No. 3 (Chinese)
1	Start	開始	开始

Comments registered in multiple languages.

2) The display language can be switched by switching the column to be displayed.

Comment No.	Comment column No. 1 (English)	Comment column No. 2 (Japanese)	Comment column No. 3 (Chinese)
1	Start	開始	开始
2	Stop	停止	停止
3	Warning	警告	警告

Language switching device

GD600 (1)　　　　GD600 (2)　　　　GD600 (3)

The language switches when the column is switched by the device value (column number of the comment group).

Touch the language switching device to switch its value.

Comment No.	Comment column No. 1 (English)	Comment column No. 2 (Japanese)
1	Start	開始
2	Stop	停止
3	Warning	警告

The comment column is switched and the display language is switched.

Comment No.	Comment column No. 1 (English)	Comment column No. 2 (Japanese)
1	Start	開始
2	Stop	停止
3	Warning	警告

In this course, we will create the following GOT screen and learn how to switch the display language for comments from English to Japanese.

GOT screen (English)

Touch the relevant language switching switch.
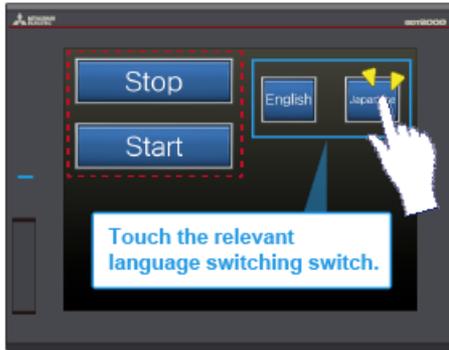
Touch the relevant language switching switch to switch the displayed language column.

GOT screen (Japanese)

The display language is switched.

The language of the texts in the switches changes.

Chapter 2 Language Switching Settings and Screen Design

In this chapter, we will learn how to configure the settings and screen design for language switching.

We will create a comment group and comments for learning.
For how to create a comment group and comments, take the Comment (Introduction) course.

(1) Select [Common] → [Comment] → [New Comment Group] from the menu.
(2) Set the number and name of the comment group in the [Comment Group Property] dialog.

Item	Setting
Group No.	1
Title	Practice 1

(3) Click the [OK] button to close the dialog. Then, the [Comment List] window is displayed.

To set Chinese, you need to set [KANJI Region] in the [Comment Group Property] dialog.

	Comment Group Property				×

Group No.: 1   Practice 1

| Column	KANJI Region	Remark	Windows Font	Character Set	
☑ 1	Japan ⌄		None		
☐ 2	Japan		None		
☐ 3	China(GB)-Mincho		None		
☐ 4	China(Big5)-Gothic		None		
☐ 5	Japan		None		

* This setting is not required when a language other than Chinese (such as English) is set.

(4) Set comments. First, set comments in English.

Item	Setting
Comment No. 1	Start
Comment No. 2	Stop
Comment No. 3	Warning
Comment No. 4	Running
Comment No. 5	Power

(5) Next, set comments in Japanese. Click the [Insert Column] button to add a column for Japanese comments.
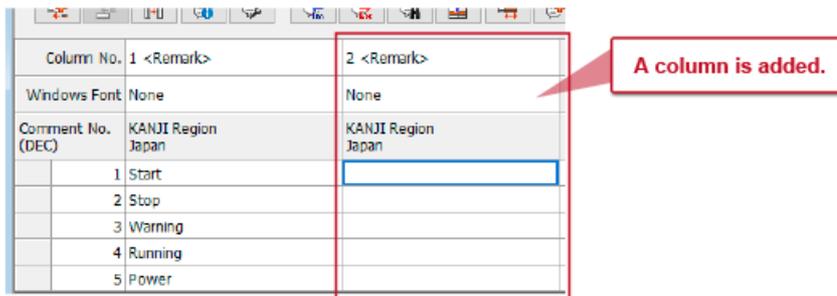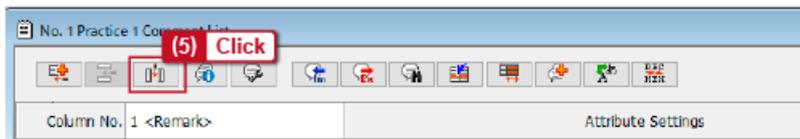
When selecting the whole column

Click the [KANJI Region Japan] to select the whole column.

Windows Font	None	**Click** None
Comment No. (DEC)	KANJI Region Japan	KANJI Region Japan
1	Start	開始
2	Stop	停止
3	Warning	警告
4	Running	運転中
5	Power	電源

When deleting a column

Right-click an intended cell under [KANJI Region Japan] and select [Delete].
Or, select an intended column and press the [Delete] key on the keyboard.
Note that the column cannot be deleted if it is the only one.

Comment No. (DEC)	KANJI Region Jap	**Right-click**	
		New	
1	St	Cut	Ctrl+X
2	St	Copy	Ctrl+C
3	W	Paste	
4	Ru	Insert Row	中
5	Po	Insert Column	
		Delete	
<		Clear Text	

(6) Set comments in Japanese in the added column.

Column No.	1 <Remark>	2 <Remark>
Windows Font	None	None
Comment No. (DEC)	KANJI Region Japan	KANJI Region Japan
1	Start	開始
2	Stop	停止
3	Warning	警告
4	Running	運転中
5	Power	電源

(6) Set

Item	Setting
1	開始
2	停止
3	警告
4	運転中
5	電源

(1) Click the [Language Switching] button to display the [Environmental Setting] dialog.

(2) Select [Use Language Switching].
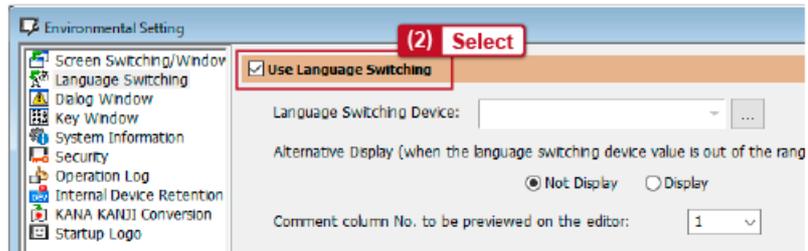
(3) Enter the device to be used for language switching in [Language Switching Device]. (Input "GD600" in this course.)
(4) Select [Display] for [Alternative Display (when the language switching device value is out of the range (1-30) or comment column No. does not exist)] and set [Comment Column No.].

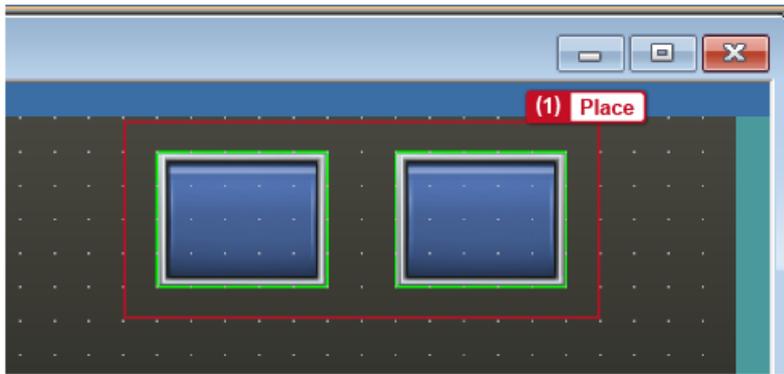| Item	Setting
Language switching device	GD600
Comment column No.	1

(5) Click the [OK] button to close the dialog.

We will create switches for language switching.

(1) Place two word switches on the screen. (Left: Switch to select English, Right: Switch to select Japanese)
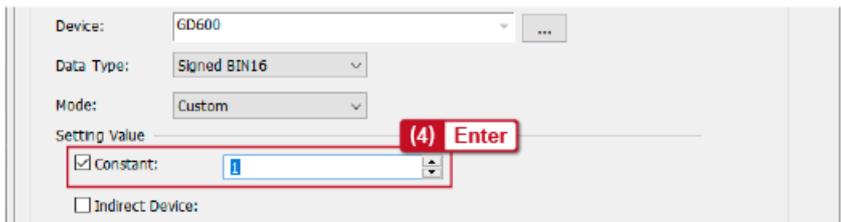

(2) First, set the left switch used to change the language to English. Double-click the switch to open the setting dialog.
(3) Enter the device set for the language switching device in [Device].
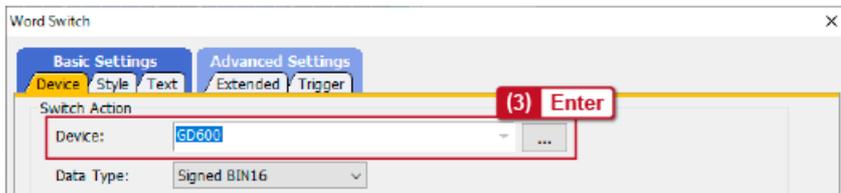
(4) Enter "1" in [Constant] as the comment column No. for English comments is "1".

(5) Open the [Text] tab and enter a text. (In this course, enter "English".)
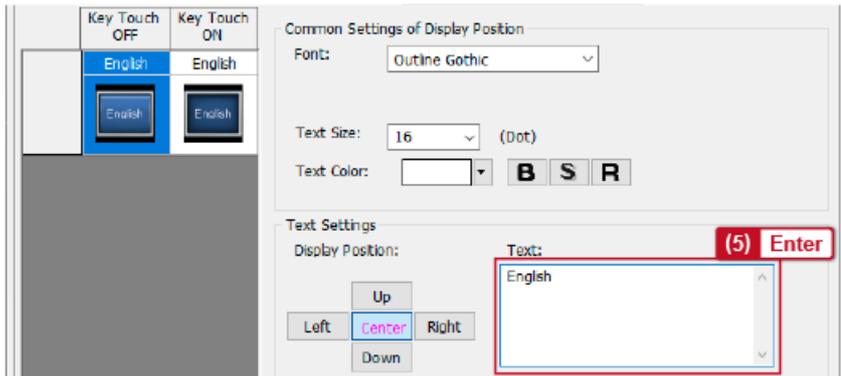
(6) Next, set the right switch used to change the language to Japanese. Double-click the switch to open the setting dialog.
(7) Enter the device set for the language switching device in [Device].
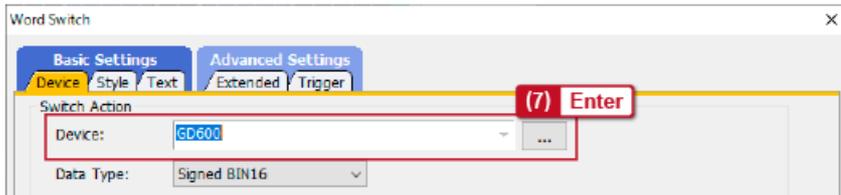
(8) Enter "2" in [Constant] as the comment column No. for Japanese comments is "2".
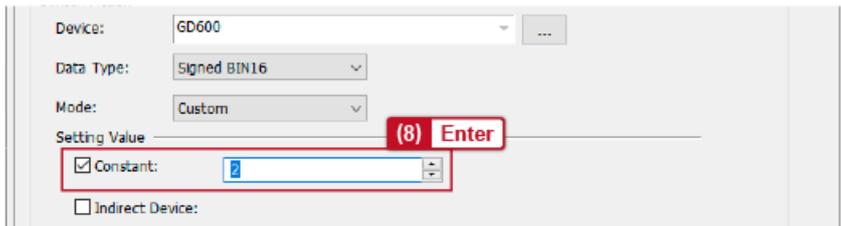
(9) Open the [Text] tab and enter a text. (In this course, enter "Japanese".)
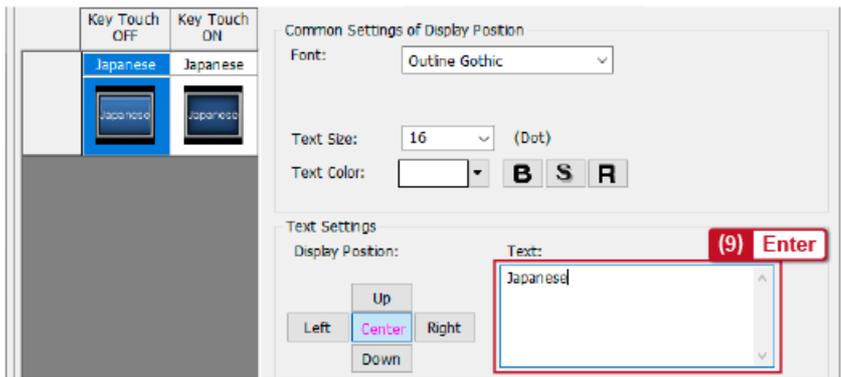
The language of the texts displayed in the language switching switches can be switched by setting the text (text type: [Comment]).

We will create objects to check language switching. In this course, we will create two switches and check that the language of the comments of the switches changes.

(1) Select [Object] → [Switch] → [Bit Switch] from the menu.
(2) Click anywhere on the drawing screen to place a switch.
(3) Double-click the placed switch to display the [Bit Switch] dialog.
(4) Open the [Text] tab and select [Comment] in [Text Type].
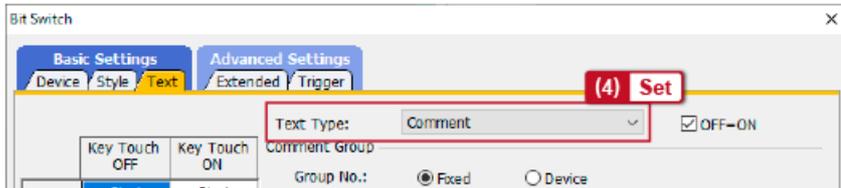
(5) Set [Comment Group] and [Comment].
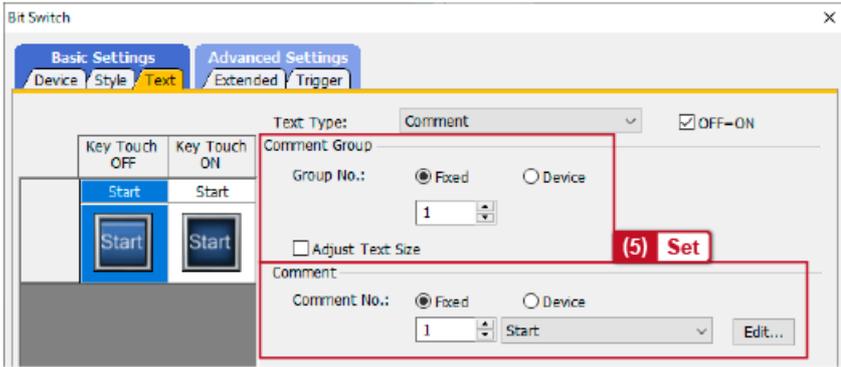
Item	Setting
Comment group No.	1
Comment No.	1 (Start)

Select [Adjust Text Size] to adjust the text size automatically. This function is useful when the number of characters increases due to language switching.

* The text size cannot be smaller than the specified minimum text size.

(Example) When switching "緊急停止" into English

Language switching

緊急停止 → Emergenc y stop

Automatic adjustment disabled

Emergency stop

Automatic adjustment enabled

(6) Create another switch in the same way.
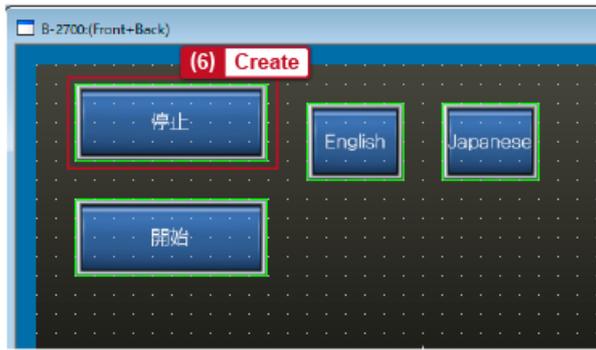
Item	Setting
Comment group No.	1
Comment No.	2 (Stop)

We will check the created/set data.

3.1 Checking the created data

We will transfer the created project data to GOT or start the simulator to check operation.
(For how to transfer projects or use the simulator, refer to "GT Works3 (GT Designer3) Basics (Elementary Screen Design)".)

(1) Touch the language switching switches (Japanese/English) and check that the language of the texts (Start/Stop) changes.

Now that you have completed all of the lessons of the **Comment Display (Language Switching)** course, you are ready to take the final test. If you are unclear on any of the topics covered, please take this opportunity to review those topics.

There are a total of 4 questions (5 items) in this Final Test.

You can take the final test as many times as you like.

Score results

The number of correct answers, the number of questions, the percentage of correct answers, and the pass/fail result will appear on the score page.

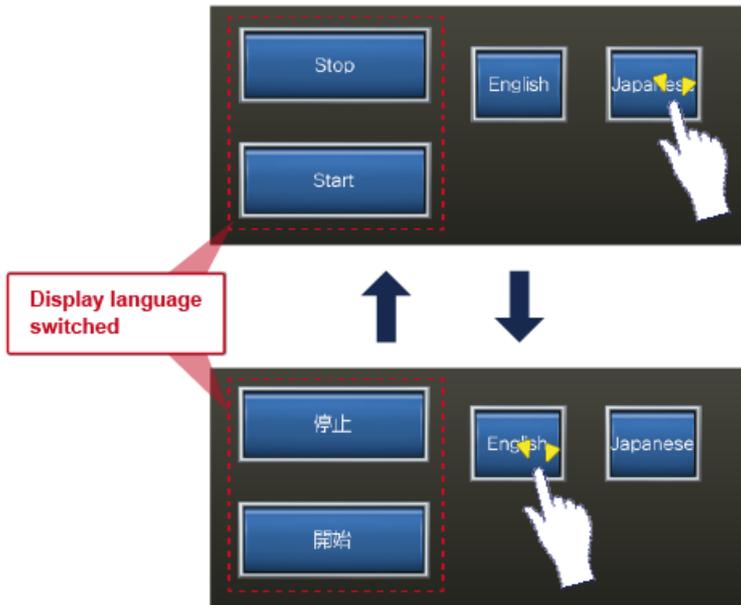|		1	2	3	4	5	6	7	8	9	10	
Retry	Final Test 1	✔	✔	✔	✕							Total questions: **28**
	Final Test 2	✔	✔	✔	✔							
	Final Test 3	✔										Correct answers: **23**
	Final Test 4	✔	✔									
	Final Test 5	✔	✔									Percentage: **82** %
Retry	Final Test 6	✔	✕	✕	✕							
	Final Test 7	✔	✔	✔	✔							
	Final Test 8	✔	✔	✔	✔	✔						To pass the test, **60%** of correct answers is required.
	Final Test 9	✔										
Retry	Final Test 10	✕										

Complete the following sentences.

GOT project data can be displayed in multiple languages by creating data separately for each language. However, using a [Q1] enables multi-language display more easily. By setting multiple columns in a [Q1], you can register comments in multiple [Q2].

Q1 Comment group ⌄

Q2 Languages ⌄

Select the correct answer from the options.

Select the correct name for the device to be used for language switching.

Q1

- ○ **Language translating device**

- ● **Language switching device**

- ○ **Language display device**

- ○ **Language blinking device**

[+]

Select the correct answer from the options.

Select the correct value to be entered for the language switching device when language switching occurs.

Q1

- ⦿ **Column No.**
- ◯ **Comment No.**

Select the correct button to be used to insert a comment column.

Q1

- ◉ a
- ○ b
- ○ c

[+]

You have completed the Final Test. You results area as follows.
To end the Final Test, proceed to the next page

		1	2	3	4	5	6	7	8	9	10
	Final Test 1	✓	✓								
	Final Test 2	✓									
	Final Test 3	✓									
	Final Test 4	✓									

Total questions: **5**

Correct answers: **5**

Percentage: **100** %

Clear

You have completed the Comment Display (Language Switching) course.

Thank you for taking this course.

We hope you enjoyed the lessons and the information you acquired in this course will be useful in the future.

You can review the course as many times as you want.

Review

Close