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# Preface

Thank you for purchasing the GP Screen Editor Software, "GP-Pro EX".

Please read this manual carefully in order to use this software properly, and be sure to keep this manual handy for future reference.

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# 1 How to Use This Manual

## ■ Structure of the Manual

This "GP-Pro EX Reference Manual" is the first of two manuals for this product and explains how to use the "GP-Pro EX" software. Please refer to both of the manuals named below when using this product.

In addition to these manuals, data files containing supplemental information on updated functions are also provided.

To read these additional data files, click on the [Start] button in your Windows OS main screen and select the [Programs (P)] - [Pro-face] - [GP-Pro EX] menu. Then, click on the [Read Me] selection.

Further, for detailed explanations of the GP, please refer to the "User Manual".







Vol.1 Reference Manual	Describes GP-Pro EX's operation procedures and details on all features. It contains HTML and PDF data.
Vol. 2 Device/PLC Connection Manual	Describes the methods for connecting the GP to supported devices/PLCs from other manufacturers. Provided as HTML and PDF data.

## 2 Manual Symbols and Terminology

This manual uses the following symbols and terminology.





### ■ Safety Symbols and Terms

This manual uses the following symbols and terms to identify important information related to the correct and safe operation of GP-Pro EX. The symbols and the descriptions are as follows.

Symbol	Description
 <b>DANGER</b>	Indicates a hazardous situation that could result in serious injury or death.
 <b>WARNING</b>	Indicates a potentially hazardous situation that could result in serious injury or death.
 <b>CAUTION</b>	Indicates a potentially hazardous situation that could result in minor injury or equipment damage.
	Indicates instructions or procedures that must <b>NOT</b> be performed to ensure correct product use.
	Indicates instructions or procedures that <b>MUST</b> be performed to ensure correct product use.
	Indicates a potentially damaging action or dangerous situation that could result in abnormal equipment operation or data loss.













### ■ General Information Symbols and Terms

This manual uses the following symbols and terms for general information.

Symbol	Description
	Provides hints on correct product use, or supplementary information.
	Indicates an item with an explanatory footnote.
	Indicates an item's related information.
	Indicates an operation procedure. Operate according to the numbers.

## ■ Supported Devices Symbol and Terms

The meaning of symbols used in the section titled "Supported Devices" are described below.

Symbol	Description				
	Setup the address as Octal.				
	Word address' bottom column bit can only be set to 0.				
	Word address can only be set to multiples of 16.				
	Word address can only be set to multiples of 16 + 1.				
	Word address can only be set to even numbers.				
	Word address can only be set to multiples of 8.				
 *1	Bit setup possible. After the word address, set the bit position, from 0 to 15.				
 *1	Bit setup possible. After the word address, set the bit position, from 0 to F.				
 *1	Bit setup possible. After the word address, set the bit position, from 0 to 7.				
 *1	Bit setup possible. After the word address, set the bit position, from 0 to 31.				
	When using 2 words (32 bit data), the relationship between the top and bottom data is: <div style="display: flex; align-items: center; margin-left: 100px;"> <span style="margin-right: 5px;">0</span> <table border="1" style="border-collapse: collapse;"> <tr><td>L(low pos.)</td></tr> <tr><td>H(high pos.)</td></tr> </table> </div> <div style="display: flex; align-items: center; margin-left: 100px; margin-top: 5px;"> <span style="margin-right: 5px;">1</span> <table border="1" style="border-collapse: collapse;"> <tr><td>H(high pos.)</td></tr> <tr><td>L(low pos.)</td></tr> </table> </div>	L(low pos.)	H(high pos.)	H(high pos.)	L(low pos.)
L(low pos.)					
H(high pos.)					
H(high pos.)					
L(low pos.)					
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H(high pos.)					
L(low pos.)					
L(low pos.)					
H(high pos.)					

\*1 They are used for bit writing, other bits are set to zero.

The device ranges listed in the sections titled "Supported Devices" are the maximum setup ranges. The ranges may be smaller than illustrated, depending on your PLC type. For further details, refer to the corresponding PLC manual.

Setup the System Area in the devices that are shaded.

Cf. GP-Pro EX Reference Manual "Appendix 1.4 LS Area (Direct Access Method)"