

# 1 | Welcome to GP-Pro EX

This chapter explains the benefits of GP-Pro EX and features each GP model supports. This chapter also explains about the the operating environment of GP-Pro EX.

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## 1.1 About GP-Pro EX

GP-Pro EX is the screen editing software for the GP. You can use easy operations to edit screens.

- A user-friendly interface reduces screen editing time  
You can easily edit screen with the fixed pin feature which avoids careless editing and guideline features.
- An abundance of Image Tools  
Use the part images close to the real parts themselves.
- You can display the menu in either English or Japanese.
- High-speed transfer with USB  
You can now transfer with USB up to 12 times faster than with our previous products.
- Backup screen data even while the GP is running  
Uploading or accessing the CF-card will not move the GP into offline mode.
- Create attractive screens with a wealth of color modes  
You can use 65,536 colors for TFT, 4,096 colors for STN, and monochrome 16 levels. Attach images directly on the screen. Freely scale images to the desired size.
- You can use Japanese, Western, Chinese (Simplified), Chinese (Traditional), Korean, Cyrillic, Thai.  
Using each type of font you can input each language.
- Connect multiple devices/PLCs of different model types  
You can communicate with up to 4 different large-type device/PLC models, or up to 2 different medium-type device/PLC models. You can simultaneously handle addresses from different devices/PLCs placed on the same screen.
- Place switches anywhere  
The GP uses an analog touch panel, so the switch position is unlimited.
- The GP's offline menu supports both English and Japanese.  
This feature is useful when you build GP into the products for export.
- Online updates  
You can update software and manuals anytime from the Internet.
- Easily attach addresses with address mapping  
You can easily set an address to a part by dragging the address from an address map.
- You can create the control program.  
In supported devices, you can create logic programs with increased compatibility with display screens.

## 1.2 Model Environment

The explanations of operations and functions in this manual are based on the following system structure.

For other system structures, the display and part names may be different, but the features are the same.

### Standard Structure

<b>Equipment/Software</b>	<b>Model system's specifications</b>	<b>Notes</b>
OS	Windows®2000	—
Device/PLC	Mitsubishi Electric Q/QnA Serial Communication Series	—
GP	AGP-3500T	Video/Movie feature uses AGP-3550T as a model system and Logic Program feature uses GP-3500T-FN1M.
Computer and GP connection method	USB cable connection	Digital Electronics Corporation USB Transfer Cable (AGP- USBCB-01) - Sold Separately

## 1.3 List of Supported Functions by Device

### 1.3.1 AGP-3300 Series

AGP-3300 Series		AGP-3302B	AGP-3300L	AGP-3300L-D81	AGP-3300L-FN1M	AGP-3300S	AGP-3301S-D81	AGP-3300T	AGP-3300T-D81	AGP-3300T-FN1M	AGP-3301-L	AGP-3301-S
○: Supported												
●: Limited to certain models												
×: Not supported												
65,536 Color Display	☞ page 9-34	×	×	×	×	×	×	○	○	○	×	×
4,096 Color Display	☞ page 9-34	×	×	×	×	○	○	×	×	×	×	○
Monochrome 16 Levels	☞ page 9-34	○	○	○	○	×	×	×	×	×	○	×
Support for 256-color color codes	☞ page 9-34	×	×	×	×	○	○	○	○	○	×	○
Dark Color Blink	☞ page 5-102	×	×	×	×	○	○	○	○	○	×	○
Devices/PLCs can communicate with 4 drivers simultaneously	☞ page 7-3	×	×	×	×	×	×	×	×	×	×	×
LAN Connection with External Device	☞ page 7-7	×	○	○	○	○	×	○	○	○	×	×
Transfer Settings (Project File LAN Transfer)	☞ page 32-12	×	○	○	○	○	×	○	○	○	×	×
CF-Card Tool Feature	☞ page 32-28	×	○	○	○	○	○	○	○	○	● <sup>*2</sup>	● <sup>*2</sup>
CF Memory Loader Tool	☞ page 32-36	×	○	○	○	○	○	○	○	○	○	○
Backup SRAM's CF Save	☞ page 5-114	×	○	○	○	○	○	○	○	○	○	○
Alarm History (CF-Card Save)	☞ page 19-56	×	○	○	○	○	○	○	○	○	○	○
Sampling Data (CSV Save)	☞ page 24-20	×	○	○	○	○	○	○	○	○	○	○
Recipe Settings (Transfer CSV Data)	☞ page 25-9	×	○	○	○	○	○	○	○	○	○	○
Edit data in CSV Display	☞ page 25-30	×	○	○	○	○	○	○	○	○	○	○
Recipe Settings (CF-Card Save of Filing Data)	☞ page 25-42	×	○	○	○	○	○	○	○	○	○	○
File Manager Feature	☞ page 25-85	×	○	○	○	○	○	○	○	○	○	○
Display CF, JPEG files	☞ page 9-62	×	×	×	○	○	○	○	○	○	×	○
Screen Capture	☞ page 12-18	×	○	○	○	○	○	○	○	○	○	○
Scripts (Operate CF File)	☞ page 21-36	×	○	○	○	○	○	○	○	○	○	○
AUX	☞ page 26-10	×	×	×	×	×	×	×	×	×	×	×
Sound Output Feature	☞ page 26-3	×	×	×	×	×	×	×	×	×	×	×
Record/Play Movies	☞ page 27-11	×	×	×	×	×	×	×	×	×	×	×
VM Unit Connection	☞ page 27-49	×	×	×	×	×	×	×	×	×	×	×
Logic Programing	☞ page 29-3	×	○	○	○	○	○	○	○	○	×	×
Retain Symbol Variable	☞ page 29-75	×	○	○	○	○	○	○	○	○	×	×
I/O Driver Settings	☞ page 31-3	×	×	○	○	×	○	×	○	○	×	×
User Screen Area 8Mbytes	☞ page 6-3	×	×	×	×	×	×	×	×	×	×	×
		*3	*3	*3	*3	*3	*3	*3	*3	*3	*3	*3

\*1 Medium-type models (AGP-330X Series) can communicate with up to 2 drivers simultaneously.

\*2 Only USB connections supported.

\*3 The User Screen Area is 6 MB.

### 1.3.2 AGP-3400 Series

○: Supported ●: Limited to certain models ×: Not supported		AGP-3400 Series					
		AGP-3400S	AGP-3400S-D81	AGP-3400T	AGP-3400T-D81	AGP-3400T-FN1M	AGP-3450T
65,536 Color Display	☞ page 9-34	×	×	○	○	○	○
4,096 Color Display	☞ page 9-34	○	○	×	×	×	×
Monochrome 16 Levels	☞ page 9-34	×	×	×	×	×	×
Support for 256-color color codes	☞ page 9-34	○	○	○	○	○	○
Dark Color Blink	☞ page 5-102	○	○	○	○	○	○
Devices/PLCs can communicate with 4 drivers simultaneously	☞ page 7-3	○	○	○	○	○	○
LAN Connection with External Device	☞ page 7-7	○	○	○	○	○	○
Transfer Settings (Project File LAN Transfer)	☞ page 32-12	○	○	○	○	○	○
CF-Card Tool Feature	☞ page 32-28	○	○	○	○	○	○
CF Memory Loader Tool	☞ page 32-36	○	○	○	○	○	○
Backup SRAM's CF Save	☞ page 5-114	○	○	○	○	○	○
Alarm History (CF-Card Save)	☞ page 19-56	○	○	○	○	○	○
Sampling Data (CSV Save)	☞ page 24-20	○	○	○	○	○	○
Recipe Settings (Transfer CSV Data)	☞ page 25-9	○	○	○	○	○	○
Edit data in CSV Display	☞ page 25-30	○	○	○	○	○	○
Recipe Settings (CF-Card Save of Filing Data)	☞ page 25-42	○	○	○	○	○	○
File Manager Feature	☞ page 25-85	○	○	○	○	○	○
Display CF, JPEG files	☞ page 9-62	○	○	○	○	○	○
Screen Capture	☞ page 12-18	○	○	○	○	○	○
Scripts (Operate CF File)	☞ page 21-36	○	○	○	○	○	○
AUX	☞ page 26-10	○	○	○	○	○	○
Sound Output Feature	☞ page 26-3	○	○	○	○	○	○
Record/Play Movies	☞ page 27-11	×	×	×	×	×	○
VM Unit Connection	☞ page 27-49	×	×	×	×	×	×
Logic Programing	☞ page 29-3	○	○	○	○	○	○
Retain Symbol Variable	☞ page 29-75	○	○	○	○	○	○
I/O Driver Settings	☞ page 31-3	×	○	×	○	○	×
User Screen Area 8Mbytes	☞ page 6-3	○	○	○	○	○	○

### 1.3.3 AGP-3500 Series

○: Supported ●: Limited to certain models ×: Not supported		AGP-3500L	AGP-3500L-D81	AGP-3500S	AGP-3500S-D81	AGP-3500T	AGP-3500T-D81	AGP-3500T-FN1M	AGP-3550T
AGP-3500 Series									
65,536 Color Display	☞ page 9-34	×	×	×	×	○	○	○	○
4,096 Color Display	☞ page 9-34	×	×	○	○	×	×	×	×
Monochrome 16 Levels	☞ page 9-34	○	○	×	×	×	×	×	×
Support for 256-color color codes	☞ page 9-34	×	×	○	○	○	○	○	○
Dark Color Blink	☞ page 5-102	×	×	○	○	○	○	○	○
Devices/PLCs can communicate with 4 drivers simultaneously	☞ page 7-3	○	○	○	○	○	○	○	○
LAN Connection with External Device	☞ page 7-7	○	○	○	○	○	○	○	○
Transfer Settings (Project File LAN Transfer)	☞ page 32-12	○	○	○	○	○	○	○	○
CF-Card Tool Feature	☞ page 32-28	○	○	○	○	○	○	○	○
CF Memory Loader Tool	☞ page 32-36	○	○	○	○	○	○	○	○
Backup SRAM's CF Save	☞ page 5-114	○	○	○	○	○	○	○	○
Alarm History (CF-Card Save)	☞ page 19-56	○	○	○	○	○	○	○	○
Sampling Data (CSV Save)	☞ page 24-20	○	○	○	○	○	○	○	○
Recipe Settings (Transfer CSV Data)	☞ page 25-9	○	○	○	○	○	○	○	○
Edit data in CSV Display	☞ page 25-30	○	○	○	○	○	○	○	○
Recipe Settings (CF-Card Save of Filing Data)	☞ page 25-42	○	○	○	○	○	○	○	○
File Manager Feature	☞ page 25-85	○	○	○	○	○	○	○	○
Display CF, JPEG files	☞ page 9-62	×	×	○	○	○	○	○	○
Screen Capture	☞ page 12-18	○	○	○	○	○	○	○	○
Scripts (Operate CF File)	☞ page 21-36	○	○	○	○	○	○	○	○
AUX	☞ page 26-10	○	○	○	○	○	○	○	○
Sound Output Feature	☞ page 26-3	○	○	○	○	○	○	○	○
Record/Play Movies	☞ page 27-11	×	×	×	×	×	×	×	○
VM Unit Connection	☞ page 27-49	×	×	×	×	○	○	○	○
Logic Programming	☞ page 29-3	○	○	○	○	○	○	○	○
Retain Symbol Variable	☞ page 29-75	○	○	○	○	○	○	○	○
I/O Driver Settings	☞ page 31-3	×	○	×	○	×	○	○	×
User Screen Area 8Mbytes	☞ page 6-3	○	○	○	○	○	○	○	○

## 1.3.4 AGP-3600/3700 Series

○: Supported ●: Limited to certain models ×: Not supported		AGP-3600T	AGP-3600T-D81	AGP-3600T-FN1M	AGP-3650T	AGP-3750T
AGP-3600/3700 Series						
65,536 Color Display	☞ page 9-34	○	○	○	○	○
4,096 Color Display	☞ page 9-34	×	×	×	×	×
Monochrome 16 Levels	☞ page 9-34	×	×	×	×	×
Support for 256-color color codes	☞ page 9-34	○	○	○	○	○
Dark Color Blink	☞ page 5-102	○	○	○	○	○
Devices/PLCs can communicate with 4 drivers simultaneously	☞ page 7-3	○	○	○	○	○
LAN Connection with External Device	☞ page 7-7	○	○	○	○	○
Transfer Settings (Project File LAN Transfer)	☞ page 32-12	○	○	○	○	○
CF-Card Tool Feature	☞ page 32-28	○	○	○	○	○
CF Memory Loader Tool	☞ page 32-36	○	○	○	○	○
Backup SRAM's CF Save	☞ page 5-114	○	○	○	○	○
Alarm History (CF-Card Save)	☞ page 19-56	○	○	○	○	○
Sampling Data (CSV Save)	☞ page 24-20	○	○	○	○	○
Recipe Settings (Transfer CSV Data)	☞ page 25-9	○	○	○	○	○
Edit data in CSV Display	☞ page 25-30	○	○	○	○	○
Recipe Settings (CF-Card Save of Filing Data)	☞ page 25-42	○	○	○	○	○
File Manager Feature	☞ page 25-85	○	○	○	○	○
Display CF, JPEG files	☞ page 9-62	○	○	○	○	○
Screen Capture	☞ page 12-18	○	○	○	○	○
Scripts (Operate CF File)	☞ page 21-36	○	○	○	○	○
AUX	☞ page 26-10	○	○	○	○	○
Sound Output Feature	☞ page 26-3	○	○	○	○	○
Record/Play Movies	☞ page 27-11	×	×	×	○	○
VM Unit Connection	☞ page 27-49	○	○	○	○	×
Logic Programing	☞ page 29-3	○	○	○	○	○
Retain Symbol Variable	☞ page 29-75	○	○	○	○	○
I/O Driver Settings	☞ page 31-3	×	○	○	×	×
User Screen Area 8Mbytes	☞ page 6-3	○	○	○	○	○

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# *Memo*