

Red Characters in this Document show GP-Pro EX V2.10 new functions.

Version Information

Use this document with:

File name:	AGP3750 Sales Demo v210.prx
Date:	9/24/2007
Revision:	v2.10
Software:	GP-Pro EX v2.10 or newer

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Changing the Touch Buzzer

To turn the Touch Buzzer ON or OFF follow the steps below:

- 1) Go to the AGP Offline menu
- 2) Go to "Main Unit Settings", "Operation Settings"
- 3) Set "Touch Buzzer Sound" to "Enable" or "Disable" as required.

Adjusting the Standby Mode time

To adjust the Standby Mode time follow the steps below:

- 1) Go to the AGP Offline menu
- 2) Go to "Main Unit Settings", "Screen Settings"
- 3) In "Standby Mode Time" enter the number of minutes until the AGP goes into standby mode

Pro-face

Installing the demo application on the AGP3750T

BY GP-Pro EX V2.10

 Use your web browser to connect to the Pro-face Partners Login and download the latest version of the "AGP3750 Sales Demo V210.zip" and "AGP3750 Sales Demo Manual v210.pdf" using the "Pro-face Demo Applications", "AGP Sales Demo" links. After the download completes extract the files and folders from the zip file.

2) Ensure you are using the latest version of GP-Pro EX, Version 2.10 is required.

Version Information
Pro-face GP-Pro EX
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This product is protected by the Japan Copyright Law and the international treaty. Copying all or part of this product or distributing the reproductions without permission is a piracy act.
Product Version V2.10.000 User Name: Destinut Company Name: Destinut Serial Code: Destinut Key Code: Math. 5502.0000
Acquire the configuration file versions
.Net and Windows and Windows based trademarks are trademarks of Microsoft Corporation in the United States, other countries, or both. Other company, product or service names may be trademarks or service OK marks of others.

3) When you first open the demo project the CF Card Output Folder might not point to the CF Card folder that came with the demo distribution files. If the Screen List in GP-Pro EX looks like Fig. 1a below you will need to correctly set the CF Card Output Folder. (note that you may have to use the "change display mode" icon at the top of the screen list to show the screen preview) If the Screen List looks like Fig. 1b you can skip this step and go to Step 4



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CF Card Folder not selected

To change the CF Card Output Folder go to "Project", "Information", "Destination Folder", use the "Reference" button to open the "Browse..." screen (Fig. 1c) and select the folder that contains folders called "data", "file", "JPEG" and "MOVIE". Click "OK" to continue.

* If you can not set this well, please create "temp"folder under C driver like"C:\temp\" and paste the "AGP3750 Sales Demo V210" folder which was crated by decompression "AGP3750 Sales Demo V210.zip" like (Fig. 1d)

Note that you will now have to save the project, shutdown GP-Pro EX completely and restart it for the CF Card Folder change to take effect. CF Card Folder set correctly

ig. io	
S Project Inform	nation
File Information Display Unit Send Data SRAM Information Destination Passwords Logic Memory	CF-Card Destination CF Card Folder CF Card Folder G Demo V210/AGP3750 Sales Demo v210 Btowse
	USB Storage Destination Enable USB Storage USB Storage Folder CVPhogram FileWPto-faceWGP-Pto EX2.11 Browse
	OK (Q) Cancel
rowse For Fold	OK (Q) Cancel
irowse For Fold	Carcel Carcel Carcel DemoScreen Demo Screen 20060814 test Demo Screen 20060814 Carcel 20060814 Carcel 20060715 vs AB_3650 data file

Fig.1d



- 4) Use the "Transfer Project" icon on the Top or go to "Project", "Transfer Project" to download the project.
- 5) Copy the contents of the JPEG and MOVIE folders manually into the folders as shown in Fig. 1c. Not all of the images and movies in these folders are copied to the CF Card during a regular download.

The reason for this is that a number of these files were added to be used for display purposes only and are not linked to any specific object in GP-Pro EX (which would cause them to be included in a regular download) You can copy the folders to the CF Card in a number of ways

BY Memory Loader Tool

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- 1) Copy the all files in "AGP3750 Sales Demo v210" folder to CF card or USB Memory Stick
- 2) Insert the CF card or USB Memory stick to GP3750
- 3) Touch upper right and bottom left in 0.5s, and then you can see the menu on GP3000.
 4) Touch "CF/USB"
- 5) Click "CF_Starting" or "USB_Starting"
- 6) And then you can execute the Memory Loader Tool.
- 7) Touch "Download (CF->Display)8) Touch "Select File"
- 9) Touch "MEM3X50.CML"
- 10) Confirm the File Info AGP-3750, PFA 12.1" Demo Screen
- 11) Touch "Enter"
- 12) Touch "Start"

Method 1: Using an external CF Card reader

Power down the AGP remove the CF Card, place it in a card reader connected to your PC. (You can use a USB card reader, a PCMCIA CF Card adapter or a CF Card slot in a printer) After the CF Card is recognized by your PC as a removable drive or device use Windows Explorer to copy the files from the "AGP3750 Sales Demo v210" folder to the CF Card. Remove the CF Card from the reader and place it in the AGP.

Method 2: Using the CF-Card Connection in GP-Pro EX

An easier although slower way in which you do not have to use a special card reader is to connect to the AGP using the transfer window after you finish downloading the project file. After the download completes close the "Send Project" screen but do not close the "Transfer Tool". Click the [CF Card Connection] button , select the "Connect Offline" option (Fig. 2b) and click [OK].

Select the IP address of the AGP that you want to connect to and wait until the AGP Screen displays the "Data Transfer" message.

Fig. 2a	
🔊 CF-Card Connection	×
Connect Offline Connect Online	
Switch Main Unit to offline state. It is possible to read and write CF card.	
OK Cancel	

The CF Card Connection window (Fig. 2b) is automatically opened on your PC. In the upper left hand portion of the screen browse to the folder called "CF3750", when you click on this folder the upper right hand side of the windows should display the folders as seen in Fig. 2b.

Select the JPEG, data and MOVIE folder and drag them to the lower portion of the window which represents the files on the CF Card in the AGP. When asked to overwrite existing files click "yes all" and wait for the transfer to finish. Click the [X] in the upper right hand corner of the window to disconnect from the AGP.







Screen Background General

Screen 901– Main Menu V210	
Gives access to the 5 major portions of the Sales Demo: - STANDARD HMI - MULTIMEDIA HMI - CONTROL HMI - GP-Pro EX - GP-Viewer EX, Remote PC Access - Pro-Server EX	Main Menu STANDARD HHT BP-Pre EX RENOTS PC ACCESS CONTROL HHT Pro-Server EX
Screen 1999 - Stand-by Mode	30/042 0/11 19-31
 The stand by mode screen is shown after a preset timer elapses if there has been no touch, no alarm and no communication error. If any of these event occur the timer will reset itself. Click the screen to return to the last page that was displayed before the time out. Go to the Offline Menu, "Main Unit Settings", "Screen Settings" to change the "Standby Mode Time". A Screen saver is not required for the AGP but you can use this function to return to a preset mane after a certain time or to show your company logo (optionally animated) 	Stand-by Mode This Pro-face A&P has entered Stand-by mode. No Touch Input, Communication Error or User Defined Alarm has occurred during the preset time out period To return, please touch anywhere on this screen.



Screen Background – Company Profile

Screen 99 – Introduction Brand Awareness	
Increase Brand Awareness	Processor # 1 In Global HMI Solutions in Connectivity in HMI Investment Protection Image: State
Screen 100 – Introduction of Pro-face history	
We have long history, not beginner. And we sold lots of units in united states.	Who is Pro-face? Pro-face has been sold under private label arrangements in North America since 1985. More than 1,000,000 Pro-face units have been installed in North America.
Screen 101 – Pro-face #1 Market Share	
We are No. 1 HMI player in the world. More than Rockwell, More than Siemens. This data came from 2007 IMS research which is published based on 2006 sales results.	Pro-face Company Profile
Screen 105 – Worldwide Sales & Support office	



Pro-face have a sales & support office over the world. When you export your equipment to oversea, we can do support. And when you need products immediately over there, we can provide them from oversea offices.	Pro-face company Profile
Screen 106 – Worldwide Support Services	
If exporting product is important Pro-face offers the same services, from sales and support to training and repair wherever you buy a Pro-face HMI. The same software, hardware and part numbers are used worldwide guaranteeing consistency. Wherever you deploy a Pro-face panel you have local replacement parts and support in the local language in place.	Pro-face company Profile

Screen Background – STANDAD HMI

Screen 202 – Standard HMI line-up			
Standard HMI	Pro-face STANDARD HMI 🛛 🖛 🖨 🏠		
Any 3x0x AGP without Multimedia or Control.	AGP3000 Series STANDARD models		
NEW: AST3201S & AST3302B	Mr Mar Mar Mar Mar.		
Customer need to purchase 5 pcs of these models.			
- "Without Multimedia" means no built-in video input and no	9		
sound input. Sound output and the 4 channel video module is			
available on select units	ALL STORM		
	<u>}</u>		
- "Without control" means no FlexNetwork, Built-in I/O or			
CANopen you CAN use the GP-Pro EX Logic with any Serial or	r		
Ethernet driver. No other HMI offers this flexibility and power			
Screen 202 – Standard HMI Interface			
Standard connectivity			
Serial : PLC, Controller, Drive (By Modbus RTU)			
Ethemet : PLC, Screen Download, PC (RPA, GP-Viewer EX,			
Modeus DTU)			
(MOUDUS RTU),			
USD . Several devices			





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 Type IP address of GP3750 on URL of Internet Explorer You can see the web server. 	
FTP connection, You can access to CF card on GP3000 by using Explorer via Ethernet. So now you don't need to use Pro-Server Ex or Transfer Tool to access CF card.	
 *If you type GP3000 IP address, you can see it, it's already set up this demo. 1. Connect your PC and GP3750 via Ethernet. 2. Type IP address on Explorer, then Enter <ig: "ftp:ll192.168.1.1"="">.</ig:> 3. You can see the folder of CF card. 	
Screen 240 – Standard HMI Capability	
High Speed Logging, Screen display, Communications, etc	Pro-face STANDARD HMI
Screen 801 – Application Example	
Boil flow application Several beautiful Tank parts, pipe, valve and 7 segment numeric display.	
Screen 801 – Application Example + Parts	

















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Screen Background – MULTIMEDIA HMI

Screen 203 – Multimedia HMI line-up

Screen Background – CONTROL HMI Screen 204 – Control HMI line-up Flexnetwork, DIO, CANopen model Pro-face CONTROL HMI AGP3000 Series CONTROL models

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Drag & Drop can create lamp or coil.	Pro-face CONTROL HMI
Screen 453 – Control HMI Logic sample	
To view running Ladder Logic and Logic Variable list use the Ladder Monitor switch. (See the "Ladder Monitor" Section at the end of this manual for Ladder Monitor operation)	Pro-face CONTROL HMI
Screen 454 – Control HMI Instructions	
The Instructions Tab is a set of 10 screens showing all 103 Instructions available in AGP Ladder Logic. Use the Next and Prev buttons to navigate	<section-header></section-header>
Screen 570 – Control HMI Cable reduction	
by saving on wiring and cable runs to various devices connected to a central PLC. Use the AGP series with Control to free up valuable cabinet space by using a smaller or no PLC and relying on the compact Pro-face FlexNetwork modules instead	Cable reduction Reduce cabling and installation time!
Screen571 – Control HMI Value Exchange	

Screen Background – GP-Pro EX

 Screen 300 – GP-Pro EX Overview

 The screen list, dock able lists and function windows and tab based screen selection make for a very easy to use editor interface.

 The 6 step main toolbar guides you through (1) System

Settings, (2) Screen Editing, (3) Preview, (4) Simulation (5) Download and optional (6) Ladder monitoring.

Note that the preview function shows a static image, there is no runtime simulation in the current version of GP-Pro EX.

Screen 301 – GP-Pro EX Workspace

Screen Background – GP-Viewer EX / Remote PC Access Screen 563 – GP-Viewer EX Overview You can see GP3000 Screen on your PC remotely. Pro-face **GP-Viewer EX** 1 Customer need to purchase lisence for each server (GP3000). Remote maintenance Clint (PC) is free, but need to install GP-Viewer EX from GP-Pro EX CD or download it from Otasuke Pro. e maiter af \$2200 Ing the office 1 server (GP3000) can publish the screen data to 3 clients (PC) at once. 1 Client (PC) can see 4 different servers (GP3000) at once. Client can operate screen change, switches, value change, it depends on settings. And off cause, you can set the security as well. Screen 562 - Remote PC Access

Remote PC Access (**RPA**) allows you to **control a PC using the AGP Touch Screen and Popup Keyboard** or (optional) connect a USB Mouse and Keyboard to the AGP. All data (screens and commands) are transmitted using a **standard Ethernet connection**, no other cables are needed.

Possible uses: **Websites**, Email, Remote **Programming and Monitoring of PLC**, Remote Programming of the AGP (on the AGP), **PDF Manuals**.

Screen Background – Pro-Server EX	
Screen 560 – Pro-Server EX Overview	
 Pro-Server EX is a Data Collection and Sharing software package. Pro-Server retrieves data from AGP's over an Ethernet network to either process it for logging, emails, recipe handling or to share it with other PC software packages. There is no tag limit in Pro-Server EX and one runtime license can be used to poll all AGP on the plant floor. 	Pro-face Pro-Server EX Collect Machine status into PC Data collection to a PC! Fro-Server Fro-Server Fro-Server Fro-Server Fro-Server Fro-Server Fro-Server Fro-Server
Screen 561 – Pro-Server EX Interface	
Use Pro-Server EX to collect data and share the data with applications such as Access Databases, ODBC Databases, Excel Sheets for storage or to automatically generate reports. Several Actions in Pro-Server EX help you quickly setup these data sharing connections and the way (trigger, time, event base) that you want to execute these functions. This low cost gateway between Office and Plant environments is a very powerful addition to the AGP with GP-Pro EX New: OPC and MES interface are available from Pro-Server EX	Pro-face Pro-Server EX Data Collection & Management Can connect with customer applications Fro-Server Connections Fro-Server Connections Low cost a costy connections
V1.20.	

Using the File Manager

On any File Manager screen click the "Load from CF Card" button to display the File Manager. Navigate the CF Card folders by using the up and down arrows. Folders on a CF Card are shown as <DIR>; to display the contents of a folder use the "DISP" or "=" button (depending on the file manager used)

Different files (Movie, Log, Recipes, etc) are stored in different default folders and under default names. Note that JPEG and Movie files that were copied to the CF Card without using GP-Pro EX (by using a card reader with windows explorer for example) do not have to follow any predefined naming format.

If you are trying to locate log data or event recorder data keep in mind that you have to save this data at least once using the applicable screen in the demo application, if for example the "ALARM" folder does not show up in your File Manager you will have to go to any of the alarm screens first to save an Alarm Log file. This will automatically create the folder if needed.

Fig. 2a		Fig. 2b			Fig. 2c				
	\times			×					X
ISAMP/2		CE	SAMP02	<di>dir></di>	CF		USB		
CAPTURE FILE JPEG MOVIE DATA	CDIR> CDIR> CDIR> CDIR> CDIR> CDIR> CDIR> CDIR>	PLAY	CAPTURE FILE JPEG MOVIE DATA	<dir> <dir> <dir> <dir> <dir> <dir> <dir></dir></dir></dir></dir></dir></dir></dir>	BOOT, CFG CAPTURE DATA JPEG MEM3X50, CML MOVIE OPLOG	<dir> <dir> <dir> <dir> <dir> <dir></dir></dir></dir></dir></dir></dir>			
DATE:06/09/1	1 10:12	DATE	: 06/09/11	10:12					
SIZE: <dir></dir>			. \UIK/		CUT COPYPASTE	DISP ALL	DEL	11	¥

Figures 2a through 2c show some of the different available file managers, note that the file manager in Fig. 2c can be used to transfer data between USB Memory and CF Card, both File Managers displayed in Fig. 2a and 2c can be used to delete files from the CF Card. (See Key Features, Connect Devices, CF <> USB)

File locations used in the demo:

Alarm Summary Active	:	\ALARM\Z1####.CSV
Alarm Summary History	:	\ALARM\Z2#####.CSV
Alarm Summary Log	:	\ALARM\Z3#####.CSV
Logging Data (Cycle)	:	\SAMP02\SA#####.CSV
Logging Data (Trigger)	:	\SAMP03\SA#####.CSV
Logging Data (Time)	:	\SAMP04\SA#####.CSV
Recipes (Proprietary)	:	\FILE\ZR####.CSV
Movies	:	\MOVIES\No#\file name.SDX
Movies Event Recorder	:	\MOVIES\ER\EXdate_time.SDX
Movie Recorder	:	\MOVIES\PF\PFdate_time.SDX
Pictures	:	\JPEG\file name.JPG
Screen Captures	:	\CAPTURE\#.JPG
Operation Log	:	\OPLOG\OLdate\OLtime.CSV

Using the Ladder Monitor

Access the Ladder Monitor by navigating to screen S\W Functions, Control Functions, Capability. Key feature of the Ladder Monitor is that it is automatically generated by GP-Pro EX, the customer does not have to program anything but the button to open the screen.

The Ladder Monitor screen shows the Logic program currently running on the AGP, use the "MAIN" or "INIT" switch (fig. 3a) to change the display between MAIN and INIT routines. The Step number display can be used to jump to a different location in the logic quickly. Use the Arrow buttons to navigate the logic.

Click any instruction on the screen to show a "close up" of the instruction and its current state. (for demonstration the ADD and SUB instructions in Rungs 2 and 3 show well because you can see actual data changes. Click the screen again to return from "close up" mode to the regular logic display.

Use the Toolbar button to display the toolbar as displayed at the bottom of Fig. 3a, this gives you access to the Exit button as well as the search function and Instruction List (not shown, this list allows you to select an instruction which will then be highlighted in the logic display)

The "Addr Mtr" button (see Fig. 3a) takes you to the Address List screen as shown in Fig. 3b. Use this display to view all configured Logic Variables. Note the "HEX" / "DEC" button to change the numeric display format.

Fig. 3b				
Toolbar 🚹 🖡	+		MAIN 68 Ster	þ
Address List				1 2 2
#L_RunMonitorA	ON	#L_MaxLogicTime		4
#L_AlwaysON	ON	#L_Status	1	96608
#L_CalcZero	OFF	#L_Platform	1	33172
#L_CalcCarry	OFF	#L_Version		10594
#L_ScanModeSW	OFF	#L_EditCount		8
#L_AutoRunSW	ON	#L_I0Info[0]		8
#L_InOutSW	ON	#L_ConstantScan		100
#L_FaultStopSW	OFF	#L_PercentScan		58
#L_UnlatchClear	OFF	#L_HatchdogTime		5000
#L_LatchClear	OFF	#L_AddressRefreshTime		1000
#L_Clock100ms	OFF	#L_Time		5712
#L_Clock1sec	OFF	#L_Command		8
#L_Clock1min	OFF	#L_LogicMonitor		2
#L_BatteryErr	OFF	#L_LogicMonStep		68
#L_Error	OFF	#L_IOStatus[0]		8
#L_StopPending	OFF	#L_CalcErrCode		8
#L_Fault	OFF	#L_FaultStep		8
#L_IOFault[0]	OFF	#L_FaultLogicScreen		8
#L_ScanTime	100	#L_ForceCount		8
#L_AvgScanTime	100	#L_StopScans		8
#L_MinScanTime	99	Start1		OFF
#L_MaxScanTime	101	Counter81.CV		8
#L_ScanCount	6518	LamP01		OFF
#L_LogicTime	3	Valuei		488
HEX			Logic	

The Right Arrow button (lower right hand corner of both Logic and Address List screens) takes you to the toolbar as shown in Fig. 3c. Use this toolbar to exit the Ladder Monitor or use the "STOP" button to stop and restart logic execution.

Fig. 3c	
STOP	EXIT

Frequently Asked Questions

- Q: Some screens with images load extremely slow
- A: Reformat CF Card to FAT if using your own or (recommended) use the 512Mb SanDisk Card supplied to you.
- Q: Image does not display on the S/W Functions / Other Functions / JPEG Display screen
- A: "JPEG" folder was not manually copied to CF Card, see instructions in "Installing the demo application on the AGP3750T" at the beginning of this manual.
- Q: How do I show our capability of Native Tag Import Utility (L5K file import) to my customer?
 - 1) Open GP-Pro EX v1.10 and create a new project
 - 2) Add the Rockwell Automation, Inc EtherNet/IP driver
 - 3) In the "System Settings Window" go to "Device/PLC Settings"
 - 4) Click the [Settings] button behind "PLC1" and select "ControlLogix/CompactLogix Series Native"
 - 5) Click [Import]

A:

A:

- 6) Then customer can see L5K file format.
- Q: How can I load the demo project files on my CF Card into my AGP3750T?
 - 1) Make sure your CF Card is inserted and the CF Card door is closed
 - 2) Touch the upper right hand, then lower left hand corners of the AGP to display the toolbar down the bottom of the screen ([Offline] [CF starting] [Error] [Reset])
 - 3) Select [CF Starting] and click "Download" (if the page shows up in Japanese first select English From the dropdown menu
 - 4) After the download is complete click [Exit] to reset the AGP

Screen Navigation

Initial Screen

Brand awareness History of PFA business in North America No. 1 Market Share in the World Worldwide Sales & Support Worldwide Support Services

STANDARD HMI

Product Line-up of S class Connectivity overview USB interface CF card & USB Memory data handling Serial & Ethernet Interface Multi PLC Other interface VM module Web Server GP3000 capability Sample Application Parts library Symbol library Password protection Multi language Multi function buttons Alarm Trends Sample Application Logging Graph Meter Word Switch Bit switch Special switch Numeric display Image import Recipe Security lock Message display Operation Log

MULTIMEDIA HMI

Product Line-up of M class Video-in & Sound-out interface Camera solution Play movie overview Play movie demo Movie play solution1 Movie play solution2 Camera record solution1 Camera record solution2 Event recorder overview Event recorder solution1 Event recorder solution2

CONTROL HMI

Product Line-up of C class Flex & DIO interface CANopen interface Control function overview Functions GUI operation Capability of control Instructions Solution1 Solution2 On-line edit

GP-Pro EX

Overview Work space Helpful Tools Efficient tools Drawing objects Image Show image in CF card1 Show image in CF card2 Capture screen Monitor Logic Header & Footer Address Mapping Auto scale Multi function switch Delay switch Security switch Scripting Simulation

GP-Viewer EX, Remote PC Access

GP-Viewer EX Remote PC Access

Pro-Server EX

Overview Interface