29 Node Registration

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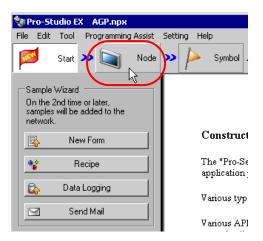
29.1 Registration and Deletion of Entry Nodes

To use 'Pro-Server EX', you must first register the PC and GP connected on the network as entry nodes. You set the node name, communication information like IP addresses, and Device/PLC type as registration information.

This section describes the procedure to register and delete entry nodes.

29.1.1 Registration of Entry Nodes

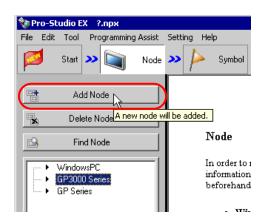
1 Click the [Node] icon on the status bar.



2 Select a node type from the tree display on the left of the screen: "Windows PC", "GP3000 Series" or "GP Series".

🂱 Pro-Studio EX 🛛 ?.npx							
File Edit Tool Prog	ramming Assist	Setting I	Help				
Start 🔉	Node	»	Symbol .				
Add Nod							
🖳 Delete No	🕱 Delete Node						
🚱 Find Nod	🚱 Find Node						
WindowsPC GP3000 Serie GP Series			In order to r information beforehand.				
			• Win				

3 Click the [Add Node] button.



4 Enter [Node Name] and [IP Address]. (Enter [Subnet Mask] and [Gateway] as well in the GP Series case, if required.)

Add Node 🛛 🛛 🛛 🛛 🛛 🛛 🛛
Node Type
O WindowsPC
Node Name IP Address
AGP1 192,168, 0,100
Link between Device Info and Symbol Info
C Read Info Online
Add Device/PLC Delete Device/PLC
Device/PLC 1
Maker
Port Type Set Port Max Text Mode 1
Device Name Device Configuration
T F
System Area System Area E
Register Cancel

5 Click the list buttons of [Manufacturer], [Device Type] and [Port Type], and set these items related to Device/ PLC.

(When you select "GP Series" as the node type, set [Device Type] only.)

	Add Device/PLC Delete Device/PLC
Device/PLC 1	
Maker (Mitsubis	Electric Co
Port Type Delete Device Name	Set Port Max A Series CPU Direct A Series Ethernet A Series CPU Direct Q Series CPU Direct Q/QnA Series Ethernet Q/QnA Serial Communication
<u>र</u>	FX Series CPU Direct FX Series Computer Link
System Area Device	System Area Start Device
	Register Cancel

- **NOTE** The following items are automatically determined according to the selection of Device/PLC type. To change the setting, please follow the steps given below.
 - Please correspond the registered information of Device/PLC to that of the actual Device/PLC of the GP. If the setting is incorrect, proper operation is not expected.

6 Click the [\blacktriangle] or [\blacktriangledown] button of [Text Mode] to specify the text mode adopted by Device/PLC.

Device/PLC 1		Add Device/	/PLC Delete Device/PLC
Maker Port Type	Mitsubishi Electric Co	Device Type	A Series CPU Direct ▼ 1 Text Mode 2
Delete Device N	lame	Device Configural	tion
PLC1		Series=AnA Series	3
System An Devid	ea PLC1	T	System Area D0000
			Register Cancel

NOTE

• Text mode is automatically set when [Device Type] or [Port Type] is selected. This step is necessary only when you wish to change this setting.

7 Click the [Device Name] field and enter a Device/PLC name. (GP3000 Series only)

Device/PLC 1	Mitsubishi Electri	Add Devi		Device/PLC
Port Type Delete Device	COM	Set Port Ma		2
		Series=AnA Se		Þ
System A Dev	rea PLC1	•	System Area D00000 Start Device	<u></u>
			Register	Cancel

• Please make sure to totally conform the device name, type and setting to the data specified in 'GP-Pro EX'. Inconsistency may cause access to unauthorized devices.

8 Click the [Device Setup] field to set a device. (GP3000 Series only)

Device Co	onfiguration		
Series=An/	A Series		Series 📀 AnA Series 🔿 AnN Series
Susters Area acces			The range of the sudress is different according to the series. Please reconfirm all of address settings that you are using if you have changed the series.
<u> </u>	System Area D0000 Start Device	<u>133</u>	Default
	Register	Cancel	OK Cancel

9 Click the list button of [System Area Device] to select the Device/PLC to which the system address is assigned. (GP3000 Series only)

Device/PLC 1		Add Device/PLC Delete Device/PLC			
Maker Port Type	Mitsubishi Electric Cc	Device Type A Series CPU Direct Set Port Max 1 Text Mode 2			
Delete					
Device N	Name	Device Configuration			
PLC1		Series=AnA Series			
4		F			
System Area PLC1 System Area D0000					
	L'S	Register Cancel			

10 Enter the first device address of the assigned system area in [System Area Start Device]. (GP3000 Series only) Enter the address directly or click the Calculator icon to enter it on the device address input screen.

Device/PLC 1		Add	Device/PLC	Delete D	evice/PLC							
Maker Port Type Delete	Mitsubishi Electric	Cc 💌 Devic Set Port		ies CPU Direc ext Mode	_	•						
Device N PLC1	ame	Device C Series=An	onfiguration A Series									
<u> </u>						Þ						
System Are Devic	a PLC1	₹	System Ar Start Dev	ea D0000	(D		-	0000			
			Register		Cancel	Ba	ick				C	Ír
					Cancor	Α	В	С		7	8	9
						D	Е	F		4	5	6
										1	2	3
										0	E	nt

11 Click the [Register] button.

Device	e/PLC 1		Add Device/PLC Delete Device/F	LC
Make Port		Mitsubishi Electri	Cc Device Type A Series CPU Direct Set Port Max 1 Text Mode	▼ 2+
► <	Device I PLC1	Name	Device Configuration Series=AnA Series	Þ
	System Ar Devi	ea PLC1 ce	System Area D0000 Start Device D0000	el

The entry node is now registered with the set contents.

29.1.2 Deletion of Entry Nodes

1 Select the entry node you wish to delete from the node list on the left of the screen.

💱 Pro-Studio EX 🛛 ?.npx						
File Edit Tool Programming Assist	Setting Help					
Start 😕 🟹 Node	ン 눧 Symbol					
Add Node	Node Type					
Find Node	Node Name AGP1					
← WindowsPC ← GP3000 Series GP3000 Series GP Series GP Series	 Link between Dev Project File Read Info Online 					

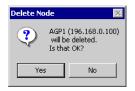
2 Click the [Delete Node] button.

💱 Pro-Studio EX 🛛 ?.npx	
File Edit Tool Programming Assist	Setting Help
Start 😕 🐚 Node	» 🔑 Symbol
Add Node	Node Type © WindowsPC
Delete Node	Node Name
Find Node The selected	node will be deleted.
	 Link between Dev Project File Read Info Online

The following message appears confirming the deletion.

Delete Node 🛛 🕅				
AGP1 (196.168.0.100) will be deleted. Is that OK?				
Ye	s No			

3 Click the [Yes] button.



The selected node is now deleted.



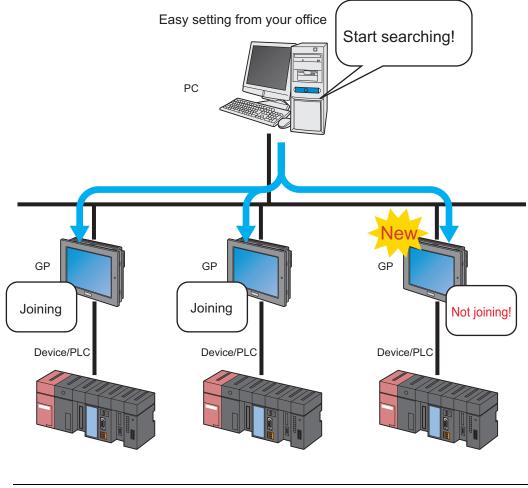
• Node deletion may cause inconsistency in the contents specified on the feature screen. Please check the contents of a network project file to confirm the consistency before reloading and transferring it.

29.2 Searching Nodes

29.2.1 What is "Searching Nodes"?

You can register the PC and GPs that are active on the network, individually as a node, and also detect and register any node that is not in the network project file by using the search function.

It allows you to register network nodes easily, without confirming on the spot the Ethernet setting of each GP.



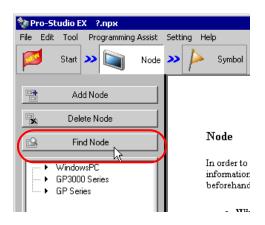
• The search area (where nodes can be found) covers the nodes having the same class ID as that of the IP address of the PC to search. You cannot search the nodes located in the different class or over the router.

This section describes how to use the search function and register entry nodes.

1 Click the [Node] icon on the status bar.

饕 Pro-St	udio EX	?.прх				
File Edit	Tool	Programmin	a Assist	Settir	ng He	lp
	Start	•	Node	>>>	\triangleright	Symbol
Sample	Wizard		~			
	network cted. Se	will be lect a sample	e.			
	Ne	w Form			N	lew Fori
*	B	ecipe			-	he Pro-Sei xcel forma
	Data	Logging				he "New F
	Ser	nd Mail			ir	ne ivewr i Excel forr ems and c
						- : 41

2 Click the [Search Node] button.



The search of entry nodes now starts and the "Search Node" screen appears.

The "Search Node" screen shows the number of the entry nodes currently connected on the network (detected nodes) and the number of those not registered (Non-entry nodes).

	Find Node						
	Participan	IP Address	Node Name	Device Type	Node		
	NonParticip	10.181.5.117	PC1		Winde		
	NonParticip		PC2		Winde		
	NonParticip		Unknown	Error : ??????			
	NonParticip		Unknown	Error : ?????			
	NonParticip	10.181.5.211	Unknown	Error : ??????			
Find Node		1				×	
To add ar Caution A	Search Complete Found Nodes: 5, nonparticipation Nodes: 5 To add an nonparticipation node to the network project, select the node and click the [Add] button. Caution An unknown node has a node name of _GP? and its PLC type is WindowsPC. To add it, change the settings properly.						
		[OK				
				Elaps	ed Time		
Select a node you want to add to the network. 00:04							
	Add	Ca	incel				

NOTE • To perform the node search function, 'Pro-Server EX' should be operated. If 'Pro-Server EX' is not running, the following dialog message appears.



Clicking the [Yes] button activates 'Pro-Server EX' and starts searching entry nodes. Clicking the [No] button stops the node search.

3 Click the [OK] button after checking the message.

Find Node	×
Į)	Search Complete Found Nodes: 5, nonparticipation Nodes: 5 To add an nonparticipation node to the network project, select the node and click the [Add] button. Caution An unknown node has a node name of _GP? and its PLC type is WindowsPC. To add it, change the settimes properly.

4 Select [Non-entry] on the "Search Node" screen, and then click the [Entry] button.

Find Node				×
Participan	IP Address	Node Name	Device Type	Node
NonParticip	192.168.0.100	AGP1		GP30
NonParticip	192.168.0.1	PC1		Winde
•				
			Elap	sed Time
Select a	node you want to	add to the netwo	ork.	00:29
			[2.22
Add	, Ca	ncel		

The selected non-entry node is registered as an entry node and indicated in the node list with a temporary name.

💱 Pro-Studio EX 🛛 ?.npx							
File Edit Tool Programming Assist	Setting Help						
Start 🔉 🟹 Node	» 찯 Symbol .						
Add Node	Node Type O WindowsPC						
Find Node	Node Name AGP1						
	 Link between Dev Project File Read Info Online 						

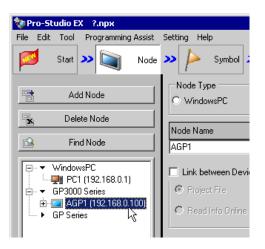
NOTE

To select more than one node at one time, click the non-entry nodes with pressing the [Shift] key.
When you attempt to register GP3000 Series (as long as a network project file has already been transferred to that node), the following screen appears.

Import P	roject File 🔀
?	Do you want to also import the Symbol Info of the GP3000 node?
	<u>Y</u> es <u>N</u> o

To import the symbol data of the network project file simultaneously, click the [Yes] button. If you wish not, click the [No] button.

5 Click a node name in the node list.



The details of the selected entry node are displayed on the right of the screen.

🂱 Pro-Studio EX 🛛 ?.npx	
File Edit Tool Programming Assist Se	etting Help
Start 🤉 🟹 Node ۷	>> ≽ Symbol >> ≷ Feature >> 📄 Save >> 🖄 Transfer
Add Node	Node Type C WindowsPC C GP3000 Series C GP Series
🙀 Delete Node	
	Node Name IP Address AGP1 192,168,0,100
	Link between Device Info and Symbol Info Project File Browse Auto Update G Read Info Online Update
- vui Jaies	Add Device/PLC Delete Device/PLC Device/PLC 1 Maker OMRON Corporation V Maker OMRON Corporation V Device Type C/CV Series HOST Link V Port Type COM Set Port Max 16 Text Mode Delete Delete
	Device Name Device Configuration
	PLC1 Series=C Link,Unit No.=0,Change to Monitor Mode=0 *
Tree List	System Area PLC1 System Area DM0000

6 Set the items related to Device/PLC.

Refer to "29.1.1 Registration of Entry Nodes" for more details about the setting items.

NOTE • To change the node name, move the cursor to the text box of [Node Name] and enter a new name.

7 Click the [Register] button.

	PLLI	beries=AnA beries	
	System Area Device	_	System Area D0000
Tree List			Register Cancel

The entry node is now registered with the set contents.

NOTE

There are 2 types of display formats of a node list: "Tree format" and "List format". (Normally, nodes are displayed in a tree format.)

In a tree format, the top layer shows a node type ("WindowsPC", "GP3000 Series" or "GP Series") and the lower layers indicate a node name and a Device/PLC name respectively.

In a list format, node names and IP addresses are indicated in order of "WindowsPC", "GP3000 Series" and then "GP Series".

🖃 🖳 🔻 WindowsPC
PC1 (192.168.0.1)
Ē ▼ GP3000 Series
🗄 🚾 AGP1 (192.168.0.100)
PLC1 (COM) A Series CPU Direct
GP Series
Tree List

Node	IP Address	
AGP1	192.168.0.100	
PC1	192.168.0.1	
FUI	132.100.0.1	
		<u> </u>
Tree List		

Tree format

List format

• You can change the display format by clicking the tab at the bottom of the node list.

29.2.2 Countermeasure Against Unrecognized Nodes

When no entry node is recognized by the search function, please check the following items.

(1) Cable and LAN hub

Check if the Ethernet cable is not disconnected.

(2) Network setting on the PC and GP side

Check if the IP address and subnet mask are specified properly.

• Confirmation of GP setting

^{CP}"2.4 Setting GP Network"

Confirmation of PC setting

^{CP}"2.3 Setting PC Network"

• You can check the setting of the IP address and subnet mask by the following method. (1) From the [Start] button in Windows, select [All Programs (P)] - [Accessory] - [Command Prompt].

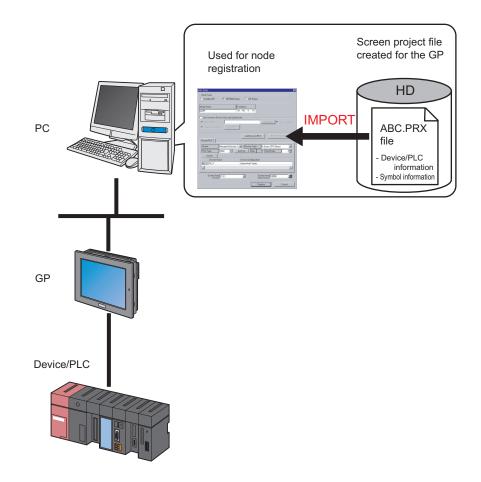
(2) Enter "ipconfig" on the command prompt screen.

(3) The following screen appears, displaying [IP Address] and [Subnet Mask].

29.3 Getting Data from a Screen Project File (PRX)

This feature allows you to obtain (import) the Device/PLC data and symbol data from a screen project file (*.PRX) made by a screen creation application like 'GP-Pro EX'.

By utilizing a screen project file made by a screen creation application, it is possible to register the accurate data of entry nodes for a short time.



- The data that can be imported from a screen project file is that of Device/PLC and of symbols. Import of data saves the effort of inputting the same data to 'Pro-Studio EX'. You can also import data from a screen project file (*.PRW) made by the old version of the screen creation application as well.
 - When you import a screen project file of 'GP-Pro EX' or 'GP-PRO/PBIII for Windows', the data type of word symbol is "Unknown". Please set the data type on 'Pro-Studio EX' again.
 - When specifying "Unknown" one more time, you cannot set the bit type.

This section describes the setting required for importing the data of a screen project file (PRX) already saved in the PC.

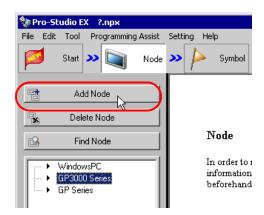
1 Click the [Node] icon on the status bar.



2 Select a node type from the tree display on the left of the screen: 'GP3000 Series' or 'GP Series'.

铃 P	ro-St	udio E	X ?	npx 👘				
File	Edit	Tool	Pro	ogrammin	g Assist	Setti	ing He	lp
	1	Start	>>		Node	>>	\triangleright	Symbol .
		Ac	ld No	ide				
×	ļ	Del	ete N	ode				
		Fir	nd No	ode			ľ	Node
	(Windo GP300 GP Ser	0 Sei				it	n order to r nformation eforehand.

3 Click the [Add Node] button.



4 Enter [Node Name] and [IP Address]. (Enter [Subnet Mask] and [Gateway] as well in the GP Series case, if required.)

P	dd Node				×
	Node Type				
	O WindowsPC	GP3000 Series	O GP Series		
	Node Name	IP Add			
(AGP1	192_1	68.0.100		
	Link between Devic	e Info and Symbol Info			
		e mio and Symbol mio			
	Project File			Browse 🗖 Auto Updat	e
	C Read Info Online	Update			
			Add Device/PLC	Delete Device/PLC	

5 Check [Link to Device Data and Symbol Data].

Node Type © WindowsPC •	GP3000 Series O GP Series	
Node Name AGP1	IP Address 192,168,0,100	
Link between Device In Project File Read Info Online	ifo and Symbol Info	Browse Auto Upc
Device/PLC 1	Add Device/PL	C Delete Device/PL

• When [Auto Update] is checked, the screen project file that has been imported is automatically updated if there is any change to it.

"29.5 Setting Guide"

The confirmation screen for data import appears. Click the [OK] button.

Edit Node	×
į	Switch modes from the screen project created with the drawing software to the link mode for importing device info and symbol info. Please specify a project file. In this mode, manual edit of the device info is unavailable.

The mode is switched to the link mode that allows the data import.



• When [Link to Device Data and Symbol Data] is unchecked, the confirmation screen of link-mode cancellation appears.

Click the [OK] button to cancel the link mode.



6 Select [Project File] and click the [More] button.

Add Node	×
Node Type	
C WindowsPC C GF	3000 Series O GP Series
Node Name	IP Address
AGP1	192,168, 0 ,100
Aart	
🔽 Link between Device Info a	nd Symbol Info
Project File	Browse Auto Update
C Read Info Online	Update
	Add Device/PLC Delete Device/PLC
Device/PLC 1	

The "Open File" dialog box appears.

Look in: NPXDataBase Kistory Desktop Carlos	Open				? ×
History Desktop	Look in:	NPXDataBase	•	🗢 🗈 💣 🎟 •	
My Documents	Desktop My Documents	monitor.prx			
My Network P File name: monitor.prx Open Files of type: Project File (*.prx) Cancel	My Network P	· · · · · · · · · · · · · · · · · · ·	-	•	

7 Select your target screen project file (*.prx) and click the [Open] button.

Open						? ×
Look in:	🔄 NPXD at a Bas	e	•	🗢 🔁 (* 🎟	
	monitor.prx)				
History						
Desktop						
My Documents						
My Computer						
	1					
	File name:	monitor.prx			• (Open
My Network P	Files of type:	Project File (*.prx)			•	Cancel

The [Import Project File] screen appears. Click the [OK] button.



The Device/PLC data set in the screen project file is displayed in each item in the [Device/PLC] tab.

☑ Link between Device Info and Symbol I	nfo
Project File C:\Program File	s\Pro-face\Pro-Server EX\NPXDataBas Browse 🗖 Auto Update
C Read Info Online	Last Link Date and Time 2005-10-14 14:44:42
	Add Device/PLC Delete Device/PLC
Device/PLC 1	
Maker Mitsubishi Electric Co	Device Type A Series CPU Direct
Port Type COM 💌 S	et Port Max 1 Text Mode 2
Delete	
Device Name	Device Configuration
PLC1	Series=AnA Series
System Area Device	System Area D0000
	Register Cancel

$\mathbf{8}$ Click the [Register] button.

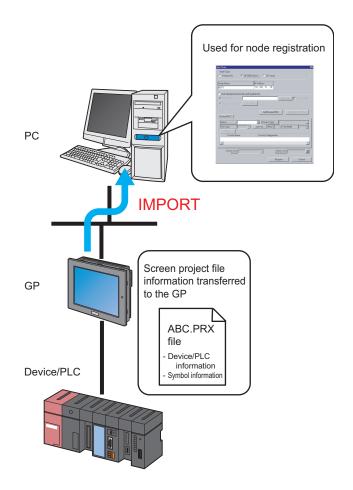
Device/PLC 1			
Maker Mitsubishi Elec	tric Co	A Series CPU Direct	V
Port Type COM 💌	Set Port Max 1	1 Text Mode 2	
Delete			
Device Name	Device Configuration		
PLC1	Series=AnA Series		
System Area PLC1	7	System Area D0000 Start Device	
		Register	Cancel

The entry node is now registered with the set contents.

29.4 Getting Data from the Screen Project File (PRX) Transferred to GP

You can obtain (import) via the network the Device/PLC data and symbol data from the screen project file (*.PRX) transferred to the GP.

By utilizing a screen project file made by a screen creation application, it is possible to register the accurate data of entry nodes for a short time.



• The data that can be imported from a screen project file in the GP is that of Device/PLC and of symbols. Import of data saves the effort of inputting the same data to 'Pro-Studio EX'. However, this function is available only for GP3000 Series.

- When you import a screen project file of 'GP-Pro EX' or 'GP-PRO/PBIII for Windows', the data type of word symbol is "Unknown". Please set the data type on 'Pro-Studio EX' again.
- When specifying "Unknown" one more time, you cannot set the bit type.

This section describes the setting required for importing the data of a screen project file (PRX) from each GP on the network.

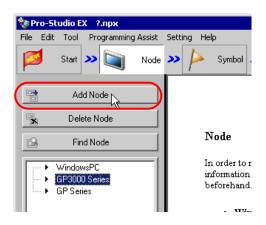
1 Click the [Node] icon on the status bar.

饕 Pro	o-Stu	idio E	(?.пря					
File	Edit	Tool	Program	iming A	Assist	Setti	ng He	lp
		Start	x 🐚		Node	>>	\triangleright	Symbol .
Sar	mple V	Vizard	_					
			will be elect a sar	nple.				
	4	Ne	w Form				I	New Forr
-	Þ	R	ecipe				-	'he Pro-Ser
		Data	Logging				F	xcel format
	٢						Т	'he "New F
	1	Se	nd Mail			I I	_	n Excel forr
								ems and co e in the ect

2 Select 'GP3000 Series' from the tree display on the left of the screen.

🂱 P	💱 Pro-Studio EX 🛛 ?.npx							
File	Edit	Tool	Pro	ogrammin	g Assist	Setti	ing He	elp
	1	Start	>>		Node	>>	\triangleright	Symbol
	j	Ac	id No	de				
🙀 Delete Node								
🚱 Find Node						I	Node	
WindowsPC GP3000 Series GP Series						i	n order to 1 nformation peforehand	
								• Wir

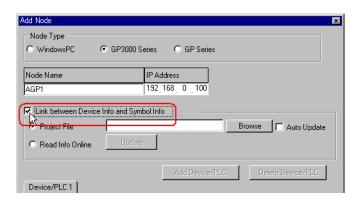
3 Click the [Add Node] button.



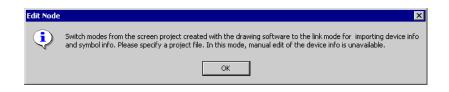
4 Enter [Node Name] and [IP Address]. (Enter [Subnet Mask] and [Gateway] as well in the GP Series case, if required.)

Add Node					×
Node Type					
C WindowsPC (GP3000 Series	🔿 GP Series			
Node Name	IP Ad				
AGP1	(192,1	168, 0, 100			
Link between Device	nfo and Symbol Info	ı			
Project File			Browse	🗌 🗖 Auto Upda	e
C Read Info Online	Update				
		Add Device/PLC	De	elete Device/PLC	
Device/PLC 1					

5 Check [Link to Device Data and Symbol Data].



The confirmation screen for data import appears. Click the [OK] button.



The mode is switched to the link mode that allows the data import.

• When [Link to Device Data and Symbol Data] is unchecked, the confirmation screen of link-mode cancellation appears.

Click the [OK] button to cancel the link mode.



6 Select [Online Data Read] and click the [Update] button.

Add Node	×
Node Type	
C WindowsPC C GP3000	Series 🔘 GP Series
Node Name	IP Address
AGP1	192,168, 0,100
Link between Device Info and Syr	nbol Info
C Project File	Browse 🗖 Auto Update
Read Info Online	
	Add Device/PLC Delete Device/PLC
Device/PLC 1	

The "Online Data Read" dialog box appears and starts communication with the GP whose IP address you entered in Step 4. Online read is carried out without GP3000 switching to offline mode.

Read Info Online
Retrieving PLC and symbol info of Node(AGP1).

NOTE	• If "Transfer password" is set for GP3000 Series, the "Transfer password entry" screen appears.
	Enter the password and click the [OK] button.

7 When the communication is completed, the Device/PLC data set in the screen project file is displayed in each item in the [Device/PLC] tab.

Link between Device Info and Symbol Info			
O Project File	Browse 🗖 Auto Update		
Read Info Online Update			
	Add Device/PLC Delete Device/PLC		
Device/PLC 1			
Maker Mitsubishi Electric Cc	Device Type A Series CPU Direct		
Port Type COM 🔽 Se	et Port Max 1 Text Mode 2		
Delete			
Device Name	Device Configuration		
PLC1	Series=AnA Series		
System Area PLC1 Device	System Area D0000		
	Register Cancel		

8 Click the [Register] button.

Device/PLC 1			Add Device/PLC	Delete D	evice/PLC
Maker Port Type Delete	Mitsubishi Electric Co	Device Type	A Series CPU Direct 1 Text Mode	2	Y
Device	Name	Device Configurati	on		
PLC1		Series=AnA Series			
System A Dev	rea PLC1 vice	V	System Start De	Area D 0000 evice	
			Register		Cancel

The entry node is now registered with the set contents.

29.5 Setting Guide

29.5.1 WindowsPC Node

This section explains the settings on the screen displayed on the conditions below:

- 1) When you select "WindowsPC" from the node list and click the [Add Node]; or
- 2) When you click a node name from the node list.

Add Node		×
Node Type		
WindowsPC	O GP3000 Series O GP Series	
Node Name	IP Address	
	192,168, 0 , 1	
PC1	132,100, 0 , 1	
	Register Cancel	
		1

Setting item	Setting content		
Node Type	"WindowsPC" is selected. NOTE • When the node type is changed, the following dialog box appears. Change Node Type Change the node type. Is that OK? Change the node type. Is that OK? Change the node type. Is that OK? Clicking the [Yes] button deletes the set data of the Device/PLC and of symbols.		

Setting item	Setting content
Node Name	Enter the node name to be registered. Example) PC_1 NOTE • Restrictions on a node name are as follows: • Must be entered at maximum 32 Unicode characters. • Cannot begin with a number. • Is distinguished between uppercase and lowercase letters, hiragana and katakana.
IP Address	Enter the IP address of the entry node.

29.5.2 GP3000 Series Node

This section explains the settings on the screen displayed on the conditions below:

- 1) When you select "GP3000 Series" from the node list and click the [Add Node]; or
- 2) When you click a node name from the node list.

Add Node	×
Node Type	
C WindowsPC C	GP3000 Series 🔘 GP Series
Node Name	IP Address 192,168, 0 , 1
AGP1	132,100, 0 , 1
🔲 Link between Device Ir	o and Symbol Info
Project File	Browse 🗖 Auto Update
C Read Info Online	Update
	Add Device/PLC Delete Device/PLC
Device/PLC 1	
Maker	Device Type
Port Type	Set Port Max Text Mode
Delete	
Device Name	Device Configuration
र	E
System Area Device	System Area Start Device
	RegisterCancel

Setting item	Setting content	
Node Type	"GP3000 Series" is selected. NOTE • When the node type is changed, the following dialog box appears. Change Node Type Change the node type. Is that OK? Change the node type. Is that OK? Change the set data of the Device/PLC and of symbols.	

Setting item	Setting content		
	Enter the node name to be registered. Example) AGP_1		
Node Name	 NOTE Restrictions on a node name are as follows: Must be entered at maximum 32 Unicode characters. Cannot begin with a number. Is distinguished between uppercase and lowercase letters, hiragana and katakana. 		
IP Address	Enter the IP address of the entry node.		
Link between Device Info and Symbol Info	Import the Device/PLC data or symbol data from a screen project file (*.PRX). NOTE • Import of data saves the effort of inputting the same data to 'Pro-Studio EX'.		
Project File	Select a screen project file in a folder on the PC.		
Browse	The "Open File" screen appears. Select the screen project file you wish to use on this screen.		
Auto Update	The screen project file that has been imported is automatically updated if there is any change to it. The following dialog box appears to indicate updating occurrence, if any. Automatic Update of Device/PLC Info/Symbol Info Node: AGP1 Device/PLC Info/Symbol Info has been updated. Automatically import it? Click the [Yes] button when you want to import the updated data. The following messages also appear indicating the link status. • When Auto Update has been successful: "The link has been updated. The latest link date: yyyy/mm/dd hh:mm:ss" • When a link error has occurred: "Failed to update. The latest link date: yyyy/mm/dd hh:mm:ss" • When [Cancel] has been selected in the Update dialog box: "Canceled to update. The latest link date: yyyy/mm/dd hh:mm:ss"		
Read Info Online	Select this to import the Device/PLC data or symbol data in the screen project file that has been transferred online from GP3000 Series which is registered as a entry node.		
Update	Read the data of a screen project file online.		

Setting item	Setting content			
	Add Device/PLCs. You can add Device/PLCs up to 4 drivers. Added Device/PLCs are displayed in each tab.			
Add Device/PLC	Add Device/PLC Delete Device/PLC Device/PLC 1 Maker Mitsubishi Electric Cc Device Type A Series CPU Direct Port Type CDM Set Port Max 1 Text Mode 2:: Delete			
	System Area D0000 2000 2000 2000 2000 2000 2000 20			
Delete Device/PLC	Delete the Device/PLC currently displayed. The message "Delete xxx (Device/PLC name). Continue?" appears. Click the [Yes] button to delete it.			
Maker	Select the name of the manufacturer of Device/PLC.			
Device Type	Select the type of Device/PLC.			
Port Type	Select the type of port that connects GP3000 Series and Device/PLC.			
Set Port	Set the details of communication. For further information, please refer to "Communication Setup" for the corresponding manufacturer in 'GP-Pro EX Device/PLC Connection Manual'.			
Max.	Displays the maximum number of Device/PLCs that can be connected. NOTE • No change can be made.			
Text Mode	Specify the text mode of Device/PLC. Refer to " Text Mode " for more details.			
Device Name	 Enter the name of Device/PLC which is connected. Restrictions on its name are as follows: Must be entered at maximum 32 Unicode characters. [Cannot begin with a number. 			
	• As for the Device/PLC data, please confirm the contents set on 'GP-Pro EX', and specify the set items to meet such contents. If there is inconsistency in the set contents like the device name, communication is not established.			
Device Configuration	Set up the Device/PLC. NOTE • The set contents may vary according to the Device/PLC. For further information, please refer to "Communication Setup" for the corresponding manufacturer in 'GP-Pro EX Device/PLC Connection Manual'.			

Setting item	Setting content
System Area Device	 Select the Device/PLC where the system area is assigned. NOTE By default, displays the device name set in [System Area Device] on the "System Area Setting" screen (accessible from [Main Unit Setting] on "System setup window" in 'GP-Pro EX'). 'GP-Pro EX Reference Manual'
System Area Start Device	 Enter the device address where system area is assigned. Enter the address directly or click the Calculator icon to enter it on the device address input screen. NOTE By default, displays the device set in [System Data Area] on the "System Area Setting" screen (accessible from [Main Unit Setting] on "System setup window" in 'GP-Pro EX'). 'GP-Pro EX Reference Manual'
Register	An entry node is registered with the set contents.

29.5.3 GP Series Node

This section explains the settings on the screen displayed on the conditions below:

- 1) When you select "GP Series" from the node list and click the [Add Node]; or
- 2) When you click a node name from the node list.

Add Node			×			
Node Type						
O WindowsPC O GP3000 Series O GP Series						
Node Name	IP Address	Subnet Mask	Cataman			
AGP1	192_167_0_1	Subhet Mask	Gateway			
part	102,101, 0 , 1					
🔲 Link between De	vice Info and Symbol Info —					
Project File		Browse	🗖 Auto Update			
Device Type		▼ Text Mod	e 1 🕂			
	Correct I	nconsecutive Address	ses -1 📮			
		Register	Cancel			

Setting item	Setting content		
Node Type	"GP Series" is selected. NOTE • When the node type is changed, the following dialog box appears. Change Node Type Change the node type. Is that OK? Change the node type. Is that OK? Clicking the [Yes] button deletes the set data of the Device/PLC and of symbols.		

Setting item	Setting content		
Node Name	 Enter the node name to be registered. Example) GP_1 NOTE Restrictions on a node name are as follows: Must be entered at maximum 32 Unicode characters. Cannot begin with a number. Is distinguished between uppercase and lowercase letters, hiragana and katakana. 		
IP Address	Enter the IP address of the entry node.		
Subnet Mask	Enter the subnet mask value of the network on which the node is connected.		
Gateway	Enter the IP address of the gateway when accessing the node via the gateway.		
Link between Device Info and Symbol Info	 Import the Device/PLC data or symbol data from a screen project file (*.PRX). NOTE Import of data saves the effort of inputting the same data to Pro-Studio EX'. When Auto Update is not checked, a screen project file (*.PRX) needs to be updated manually after editing. Specify the edited file and click the [More] button to import the data again. 		
Project File	Select a screen project file in a folder on the PC.		
Browse	The "Open File" screen appears. Select the screen project file you wish to use on this screen.		
Auto Update	The screen project file that has been imported is automatically updated if there is any change to it. The following dialog box appears to indicate updating occurrence, if any. Automatic Update of Device/PLO Info/Symbol Info Image to it. The following dialog box appears to indicate updating occurrence, if any. Automatic Update of Device/PLO Info/Symbol Info Image to it. The following dialog box appears to indicate updated. Automatically import it? Image to it. The following messages also appear indicating the link status. Olick the [Yes] button when you want to import the updated data. The following messages also appear indicating the link status. • When Auto Update has been successful: "The link has been updated. The latest link date: yyyy/mm/dd hh:mm:ss" • When a link error has occurred: "Failed to update. The latest link date: yyyy/mm/dd hh:mm:ss" • When [Cancel] has been selected in the Update dialog box: "Canceled to update. The latest link date: yyyy/mm/dd hh:mm:ss"		
Device Type	Select the type of Device/PLC.		
Text Mode	Specify the text mode of Device/PLC. Refer to " Text Mode " for more details.		

Setting item	Setting content	
Correct Inconsecutive Addresses	Specify the data number of protocol communication to be optimized. In the case of "-1", the maximum data number supported by the protocol is adopted and optimization is executed. In the case of "0", optimization is not performed. Address spaces having 1-address spabetween each other are regarded as non-sequential. Please use it under the circumstance that holds a device which causes trouble when accessed. NOTE • Enter the number in the range of -1 to 255.	
Register	An entry node is registered with the set contents.	

Text Mode

The order of the characters in a string can vary according to the manufacturer of Device/PLC.

Please check the Device/PLC you are using, and select the storage order of the characters in a string from the following table to set the text mode.

- (I) Device storage order of data
- (II) Byte LH/HL storage order in Word
- (III) Word LH/HL storage order in Double-Word

If the text mode of the GP display does not conform to that of 'Pro-Server EX', the read strings consequently differ and cannot be handled as character strings.
 Please set the text mode of the GP in the character string data mode on the "Device/PLC Setting" screen (accessible from [System Setup Window] in 'GP-Pro EX').

(I) Device storage order of data	(II) Byte LH/HL storage order in Word	(III) Word LH/HL storage order in Double-Word	Text mode
Store from the front data	LH	LH	4
		HL	2
	HL	LH	5
		HL	1
Store from the end data	LH	LH	6
		HL	7
	HL	LH	8
		HL	3

List of Text Mode

Example) When the character string is "ABCDEFGHIJ", the following patterns are available.

Character string A B C D E F G H I J AB CD FF GH IJ Text mode 4 BA DC FE HG JI Text mode 2 CD AB GH FF IJ Text mode 5 DC BA HG FE JI Text mode 1 IJ GH FF CD AB Text mode 6 JI HG FE DC BA Text mode 7 GH IJ CD FF AB Text mode 8 HG JI DC FE BA Text mode 3