

Document: #HT000166

Document Title: Reprogram PLC for T-1000 and Printer and Set PC Link

Product(s): T-1000

Procedure:

Start FPWIN.

When this window appears, click **UPLOAD** from **PLC**.

FPWIN GR		×
	New	
	Open	
	Upload from PLC	
	Cancel	

Click Communication Settings to
check your connection speed, etc.

FPWIN GR $ imes$
Connection Home
Communication Settings Specify Station No
Upload Program and Comment from PLC. Sure?
Do not show this message
Yes <u>N</u> o

The settings should look like this. Speed can vary.

Click OK.

Communication Setting - Untitle1	×
Network type: C-NET(RS232C,USB)	<u>0</u> K
COM port: COM3	<u>C</u> ancel
Baud rate: 57600 💌 bps	<u>I</u> nitialize
□ Data length □ 7 bits	<u>H</u> elp
Stop bit 1 bit C 2 bits	
Parity O Non ⓒ Odd O Even O I	D
Time-out: 5 sec Parameter for automatic setting Baud rate Data Length Parity	
, , , , , , , , , , , , , , , , , , ,	



Click Yes.

Click the entry field **Enter in Alphanumeric**:

Type in the password.

The password is always APPI07

Hit Enter.

Set PLC Password - Untitle1	×
PLC : Home	Settings
Current status : 8 digits Protect	Close
Available retry count: 3 counts	Force Cancel
digit number	Help
C 4 digits(Hex.)	
8 digits(alphanumeric, Match case)	
Operation Mode	
 Access 	
C Protect	
C Unprotect	
8 digits password	
Enter in alphanumeric: *****	
Setting for FP memory loader option	
\checkmark Allow the download to older than Version 2.5	
Allow the download in case of same password	
E Set that PLC cannot be uploaded	



Click OK.

Click Unprotect.

Click Enter in Alphanumeric.

The password is still in there, you don't need to type anything.

Hit Enter.

Set PLC Password - Untitle1	×
PLC : Home	Settings
Current status : 8 digits Available to access	Close
Available retry count: 3 counts	Force Cancel
digit number	<u>H</u> elp
C 4 digits(Hex.)	
8 digits(alphanumeric, Match case)	
Operation Mode	
C Access	
C Protect	
Unprotect	
8 digits password	
Enter in alphanumeric:	
Setting for FP memory loader option	
$\overline{\mathbf{V}}$ Allow the download to older than Version 2.5	
\square Allow the download in case of same password	
Set that PLC cannot be uploaded	



Click OK.

	Calific
ALC : Home	Setting
Current status : Password is not set	Close
Available retry count: 3 counts	Force Car
digit number	Help
C 4 digits(Hex.)	
8 digits(alphanumeric, Match case)	
Operation Mode	
C Access	
C Protect	
Unprotect	
- 8 digits password	
Enter in alphanumeric: ******	
Setting for FP memory loader option	
$\overline{{\boldsymbol{\lor}}}$ Allow the download to older than Version 2.5	
$\begin{tabular}{ll} \label{eq:linear} \end{tabular}$ Allow the download in case of same password	
Set that PLC cannot be uploaded	

Click Close.

You will see these screens.

Upload Program	Read General Purpose Memory
Upload the program from PLC	Reading general purpose memory
Please wait for a while.	Please wait for a while.

The program has been loaded.

Note the K 121 in the program area. This is the version for this program.

Yours will look different from this.

Click File – Save As.

This step MUST be done. You MUST save the file.

The file name can be anything you can easily recognize. (This is just a suggestion).

Click Save.

I/O Comment [Aways ON relay Remark IP SIGMA 32K 0 / 20579 Online PLC = REMOTE RUN Monitoring Home 0 Hit III 121 0 Hit IFO MV K 121 DT 6100 1 Always Version #->V6 21800 IF95 ASC M (US9) DT 6102 1 Version ##->V6 8224 IF95 ASC M , DT 6108 1 IF285 LIMT K 1 K 20 , DT 6508 , DT 6508	I/O Comment [Always ON relay Remark] IP SIGMA 32K 0 / 20579 Online PLC = REMOTE RUN Monitoring Home 0 R5010 [F0 MV K 121 DT 6100] 0 Always Version 121 0 Resolution #->V6 21800 [F95 ASC M (U39) DT 6102 Version ##->V6 8224 [F95 ASC M DT 6108 [F95 ASC M DT 6108							
P SIGMA 32K 0/20579 Online PLC = REMOTE RUN Monitoring Home	P SIGMA 32K 0/20579 Online PLC = REMOTE RUN Monitoring Home	1/0 Comment	Always ON relay		Remark			
0 HOLD 121 0 Howays DT 6100] Always #->V6 0N rels #->V6 [F95 ASC , M (US9) , DT 6102] Version ##->V6 [F95 ASC , M (US9) , DT 6102] Version ##->V6 [F95 ASC , M (DS9) , DT 6108] [F95 ASC , M , DT 6108] [F285 LIMT , K1 , K20 , DT 6508 , DT 6508]	0 R9010 [F0 MV K 121 , DT 6100] Always Version #->V6 21800 ON rela #->V6 21800 [F95 ASC , M (U39) , DT 6102 [F95 ASC , M , DT 6102] [F95 ASC , M , DT 6108] [F95 ASC , M , DT 6108]	P SIGMA 32K	0 / 20579 On	line PLC = REMOT	ERUN Monitorin	Home		
[F95 ASC , M (US9) , DT 6102] Version ##->V6 [F95 ASC , M , DT 6108] [F285 LIMT , K1 , K20 , DT 6508 , DT 6508]	[F95 ASC , M (US9) , DT 6102] Version ##->V6 [F95 ASC , M , DT 6108]	0 Alway	0 [FO MV	, К 121	DT 6100 Version #->V6	1		
[F95 ASC , M , DT 6108] [F265 LIMT , K1 , K20 , DT 6508 , DT 6508]	(F95 ASC , M , DT 6108]		(F95 ASC	, M (US9)	, DT Version ##->V6	21600 6102]		
[F285 LIMT , K1 , K20 , DT 6508]			(F95 ASC	, H	, DT	8224 6108]		2
Machin Machin	Machin Machin		(F285 LIMT	, K 1	, K 20	, DT 6508	1 , DT 6508 Machin	1

FPWIN GR - [Untitle1 (Ladder Symbol View)]

010	P WINK C	K - Louinine	er (Lauder 5	ynnbor view)j			
1	File E	dit Wizar	d Search	Comment	View	Online Deb	oug Tool Option Window Help
C	N	ew				Ctrl+N	19 😰 🛱 🖶 -200 1/1 😵
12	0	pen				Ctrl+O	
FP	C	ose					ring Home
	Sa	ve				Ctrl+S	21
	Sa	ve As					1
	Ex	port					21800
	D	ownload to	PLC				T 6102]
	D	ownload to	PLC				1800 T 6102]

🚻 Save As				×
Save in: Documents	← 🗈 💣 📰▼			
Name	Date modified	Туре	Size	^
🐺 518.fp	1/3/2017 3:40 PM	FPWIN GR Progra	608 KB	
🚻 Australia printer original v135.fp	4/24/2017 3:45 PM	FPWIN GR Progra	166 KB	
🚻 B4 US9000.fp	5/5/2017 1:40 PM	FPWIN GR Progra	545 KB	
🐺 CAR010 T.fp	6/8/2016 2:57 PM	FPWIN GR Progra	390 KB	
🐺 CAR010 T375 v505.fp	6/8/2016 2:57 PM	FPWIN GR Progra	390 KB	
🐺 Critical Capabilities 216 041 333.fp	12/20/2016 2:18 PM	FPWIN GR Progra	605 KB	
🐺 Detroit Diesel printer PLC v 130 213 020 062.fp	7/29/2016 11:02 AM	FPWIN GR Progra	162 KB	
🐺 Detroit Diesel printer PLC v130 213 020062.fp	7/27/2016 4:22 PM	FPWIN GR Progra	162 KB	
<pre> [] E_FP0.FP </pre>	5/24/2000 10:19 PM	FPWIN GR Progra	6 KB	
🐺 E_FP0R.fp	4/3/2009 4:11 PM	FPWIN GR Progra	18 KB	
🚻 E_FP1.FP	5/24/2000 10:24 PM	FPWIN GR Progra	5 KB	
<pre># E_FP2.FP</pre>	5/24/2000 10:22 PM	FPWIN GR Progra	17 KB	
<pre># E_FP2SH.FP</pre>	5/24/2000 10:22 PM	FPWIN GR Progra	21 KB	
E_FP3.FP	5/24/2000 10:26 PM	FPWIN GR Progra	17 KB	
<pre>E_FP5.FP</pre>	5/24/2000 10:25 PM	FPWIN GR Progra	17 KB	
E_FP10.FP	5/24/2000 10:24 PM	FPWIN GR Progra	17 KB	
<pre> E_FP10S.FP </pre>	5/24/2000 10:24 PM	FPWIN GR Progra	17 KB	
<pre>E_FP10SH.FP</pre>	5/24/2000 10:25 PM	FPWIN GR Progra	21 KB	
🚻 E_FPe.FP	9/18/2002 2:16 PM	FPWIN GR Progra	6 KB	
I FPM.FP	5/24/2000 10:23 PM	FPWIN GR Progra	7 KB	¥
File <u>n</u> ame: T1000 211 030 017 v121 Skottens				<u>S</u> ave
Save as type: FPWIN GR File (* fp)			•	Cancel

Once the file is saved, you can clear the PLC.

Note: this can't be undone!

Go to Edit – Clear Program.

1 1000 Undo(Z) Ctrl+Z 1 1000	File Ed	fit Wizard Search Comment	View Online	Debug Tool Option Window Help	
D Com Redo(8) Ctrl+Y SIGMA Quit Editing Ctrl+H Quit Editing Ctrl+H Cancel Program Conversion 121 Select Rect Mode(W) Ctrl+Shift+R Cut Cbrl+X Copy Ctrl+Q Paste Ctrl+V Select All Ctrl+A Switch Programming Area Ctrl+Bs Text input mode priority Insert a Rung Insert a Rung Ctrl+Delete Delete Line Enter Continuing Pair St Enter Continuing Pair Ctrl+W Enter Continuing Symbol Delete All NOPs 0	1	Undo(Z)	Ctrl+Z	i 🔤 🗷 8 😌 🚥 ¼ 😵	
SIGMA Quit Editing Ctrl+H 0 Cancel Program Conversion 121 0 Select Rect Mode(W) Ctrl+Shift+R Copy Ctrl+C Paste Ctrl+V Select All Ctrl+A Switch Programming Area Ctrl+Bs Text input mode priority Insert a Rung Insert a Rung Ctrl+Delete Delete Line Ctrl+Delete 52 Enter Continuing Pair Ctrl Ctrl+W 52 Delete All NOPs	0 Com	Redo(8)	Ctrl+Y	-	
0 Cancel Program Conversion 121 Select Rect Mode(W) Ctrl+Shift+R 12800 Copy Ctrl+C DT 6102 Paste Ctrl+V Estect All Select All Ctrl+A Switch Programming Area Ctrl+Bs Text input mode priority Insert a Rung Ctrl+Insert Delete a Rung Ctrl+Delete Enter Line Delete Line 52 Enter Continuing Pair Ctrl-W Enter Continuing Symbol Delete All NOPs 0	SIGM/	Quit Editing	Ctrl+H	nitoring Home	
Select Rect Mode(W) Ctrl+Shift+R Cut Ctrl+Shift+R Cut Ctrl+X Copy Ctrl+X Paste Ctrl+V Select All Ctrl+A Switch Programming Area Ctrl+Bs Text input mode priority Insert a Rung Insert a Rung Ctrl+Insert Delete a Rung Ctrl+Delete Enter Line Delete Line 52 Enter Continuing Pair Ctrl+W Enter Continuing Symbol Delete All NOPs 0	0	Cancel Program Conversion		121	
Cut Ctrl+X 21600 Copy Ctrl+X DT €102 Paste Ctrl+X Select All Ctrl+A Switch Programming Area Ctrl+Bs Text input mode priority 1 Insert a Rung Ctrl+Insert Delete a Rung Ctrl+Delete Enter Line Ctrl+Delete Delete Line Ctrl+W Enter Continuing Pair Ctrl+W Enter Continuing Symbol 0		Select Rect Mode(W)	Ctrl+Shift+R		
Copy Ctrl+C Paste Ctrl+V Select All Ctrl+A Switch Programming Area Ctrl+Bs Text input mode priority , DT 6108] Insert a Rung Ctrl+Insert Delete a Rung Ctrl+Delete Polete Line Ctrl+W Enter Continuing Pair Ctrl+W Enter Continuing Pair Ctrl+W Delete All NOPs 0		Cut	Ctrl+X	21800	
Paste Ctrl+V B324 Select All Ctrl+A B324 Switch Programming Area Ctrl+Bs Text input mode priority , DT 6508 Insert a Rung Ctrl+Insert Delete a Rung Ctrl+Delete 47 Enter Line Delete Line Enter Continuing Pair 52 Enter Continuing Symbol Delete All NOPs 0		Сору	Ctrl+C	DT 6102]	
Select All Ctrl+A 0224 DT 6108 Switch Programming Area Text input mode priority Ctrl+Bs Insert a Rung Ctrl+Insert Delete a Rung Ctrl+Delete 47 Enter Line Delete Line Machin eInfo Li 52 Enter Continuing Pair Enter Continuing Symbol Ctrl+W 52 Delete All NOPs 0		Paste	Ctrl+V	#->V6	
47 Enter Continuing Pair Ctrl+ U 52 Enter Continuing Pair Ctrl+ W 52 Delete All NOPs 0		Select All	Ctrl+A	0224 DT 6108]	
47 Enter Continuing Pair Ctrl+W 52 Enter Continuing Symbol Delete All NOPs 0		Switch Programming Area	Ctrl+Bs		
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60 Clear Program 50 , DT 6152]	60	Clear Program		50 , DT 6152]	





Click Yes

Click Yes

Once it is done clearing, your screen will be blank.



Most likely, the PLC clock will be off.

Go to **Tool – Set PLC Date &** Time.





Click OK.



We will close the connection to the now empty PLC.

Go to Online – Offline Edit Mode.

We will close this empty program. DO NOT SAVE THIS AT THIS POINT. Go to File – Close.

Click **No** so the changes will NOT be saved.

DO NOT SAVE AT THIS POINT!

You now have an empty **FPWIN** program.

IFPWIN GR - [T1000 211 030 017 v121 Skottens.fp (La	dder	Symbol View)]				
File Edit Wizard Search Comment View	Onli	ine Debug To	ol Option	Window	Help	
🗋 🗅 🚅 🖬 🎒 🏜 🖏 🗽 🖪 🖉 🚔		Specify Station	No			
1/0 Comment	~	Online Edit Mo	de			
FP SIGMA 32K - / 0 Online PLC = REMOTE F		Offline Edit Mode				
	~	Start Monitorin	g			-
		PLC Mode [RUN	1]	Ct	rl+G	
-		Monitoring Reg	jisters	Ct	rl+D	
				~ ~		





1/0 Comment	Remark		

📗 FPWIN GR

Open...

File View Option Help

Upload from PLC Printer Setup...

1 T1000 211 030 017 v121 Skottens.fp 2 E:\PLC v521-181465-02.fp 3 PLC v521-181465-02.fp

4 Australia MAIN 521 ORIGINAL.fp 5 Australia printer v135.fp 6 T10007 214 021 202 v406/TL70 01

Click File.

The program we saved earlier will be on top of this list.

Click the program you just saved.

21 Skottens.fp (Lac	- [T1000 211 030 017 v12
omment View	it Wizard Search Co
🗈 🖻 🔛 📥	😂 🏭 🐴 🖪 🐰
	t Always ON relay
Home	K 0/20579 Offline

The program is back up.

Now we will reconnect to the PLC.

Click Online – Online Edit Mode.

M FPWIN GR - [T1000 211 030 017 v121 Skottens.fp (Ladder Symbol View)]																
🐺 File 🛛	Edit Wi	zard	Search	Co	mment	View	Online	De	bug	Tool	Option	Window	Help			
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I/O Comm	ent Alway	ys ON n	elay				Re	emark								
FP SIGMA	32K 0) / 2051	79 Offi	line	Home											
0 4 0	19010 Always DN rela	[F0 M	V	,	K 12	1	, DT Versior #->V6	610	0	1					-	
		[F95]	ASC	,	м	(US9)		'Ver ##	DT rsion ->V6	6102	1				-	
-		[F95]	ASC	'	М			,	DT	6108]				-	
		[F285	T.TMT		K 1		K	20			T 6508	DT	6508	1	_	

Ctrl+N Ctrl+O





This is normal. Click OK.

We can download to the PLC now.

Click File – Download to PLC.

<u> ()</u>	FPWI	N GR - [T1000 211 030 017 v121 Skottens.fp (La	dder Symbol Vi	ew)]
1	File	Edit Wizard Search Comment View	Online Debu	ug Tool Option Window Help
Ľ		New	Ctrl+N	Fil 💌 🖶 🖶 +RUM 🔀 🦞
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		Download to PLC		n
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		Print	Ctrl+P	0 I 6108]
		Print Style Setup		
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FPWIN GR		\times
Connection	lome	
	Communication Settings	Specify Station No
Downl	oad Program and Comment to	PLC. Sure?
🔲 <u>D</u> o not sl	how this message	
	<u>Yes</u> <u>N</u> o	

Click Yes.

You will see these while downloading....

Download Program	Write General Purpose Memory
Download program to PLC	Writing general memory
Please wait for a while.	Please wait for a while.

Click No.



We must set the PLCs so they will open the PC Link between them.

Click Options – PLC Configuration.



×

In this window, click **Link W0-0**.

Set No. 47 MEWNET-WO PC Link Max Unit No. to 3.

Even if it shows 3 to begin with, write in 3.



Click OK.

PLC Configuration - T1000 211 030 017 v121 Skottens.fp

	FPWIN GR ×
Click Yes	Download to PLC. Sure?
	Yes No Cancel
Now we can set it to RUN . Go to Online – PLC Mode . Click Yes .	FPWIN GR - [T1000 211 030 017 v121 Skottens.fp (Ladder Symbol View)] File Edit Wizard Search Comment View Online Debug Tool Option Window Help Specify Station No I/0 Commert Advays ON relay PS SIGMA 32K O/ 20579 Online Edit Mode Offline Edit Mode If PS ASC , M Effect A B Change PLC into RUN. Sure? Do not show this message
This procedure is complete. Click Online – Offline Edit Mode .	Image: Specify Station No

Device is disconnected.

Close **FPWIN**. Disconnect cables from the PLC.

