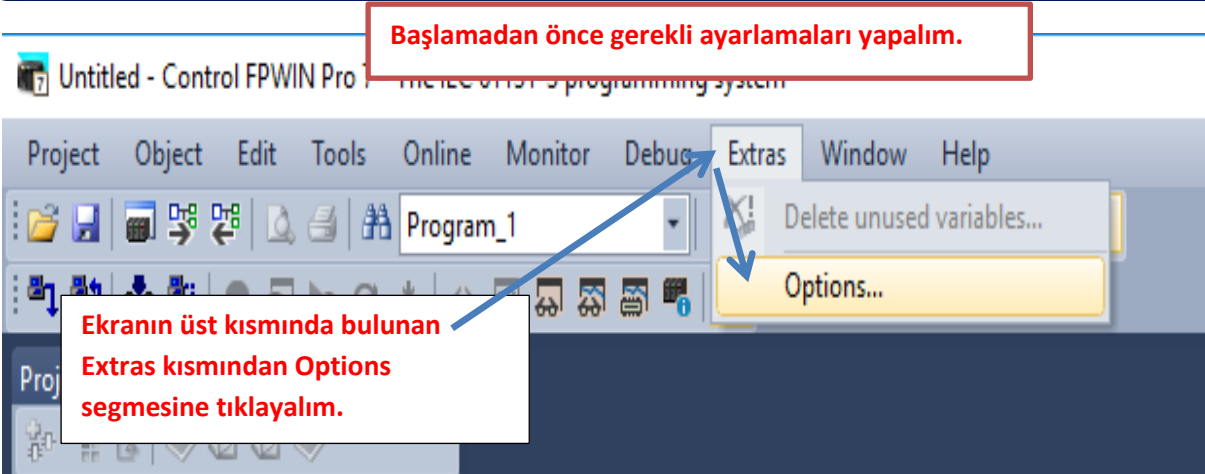


SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

FP7_PLC_Weintek_HMI_Ethernet_Üzerinden_Mewtocol7 Haberleşmesi



SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Options

×

The screenshot shows the 'Options' dialog box with the following settings:

- Program options**
 - Array elements to show: 10
 - Number of recent projects on project menu: 50
 - Hide start page if project is open
 - Automatically save the project information in the PLC after downloading the program code and PLC configuration, if configuration memory is available and activated
 - Automatically change to PROG mode, upload the PLC configuration, compile, and change to RUN mode while downloading the program code and PLC configuration
 - Automatically start monitoring of programs if the project is consistent
 - Ask for download of the program code and PLC configuration after going online if the project is not consistent
- Compile options**
 - Address ranges
 - Labels/Index registers
 - Code generation
 - Additional errors
 - Additional warnings

Buttons: OK, Cancel, Default, Apply, Help

Daha sonra çıkan pencerenin sol tarafında bulunan Program options kısmında General tuşundan bu iki segme işaretlenir.

Options

×

The screenshot shows the 'Options' dialog box with the following settings:

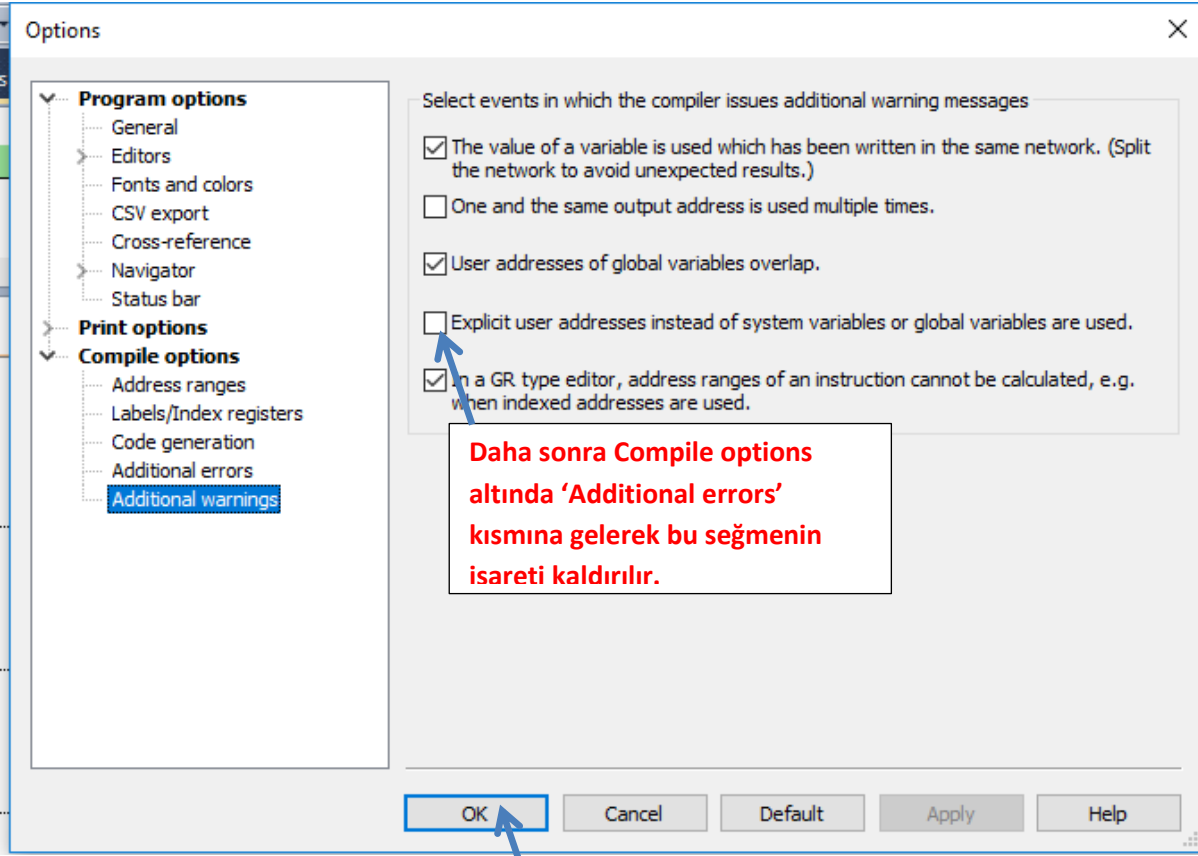
- Compile options**
 - Address ranges
 - Labels/Index registers
 - Code generation
 - Additional errors
 - Additional warnings
- Initialization of retain variables**
 - Initialize all retain variables by program code. Recommended default.
 - Initialize all retain variables by PLC card. Recommended default.
 - Keep values of global retain variables which have been assigned an explicit address. Initialize all other retain variables by program code.
- Default string length (characters): 32
- Indexed function block instantiation
- Path (file name to store compile files):
- Stop check at number of errors: 20
- Stop check at number of warnings: 20

Buttons: OK, Cancel, Default, Apply, Help

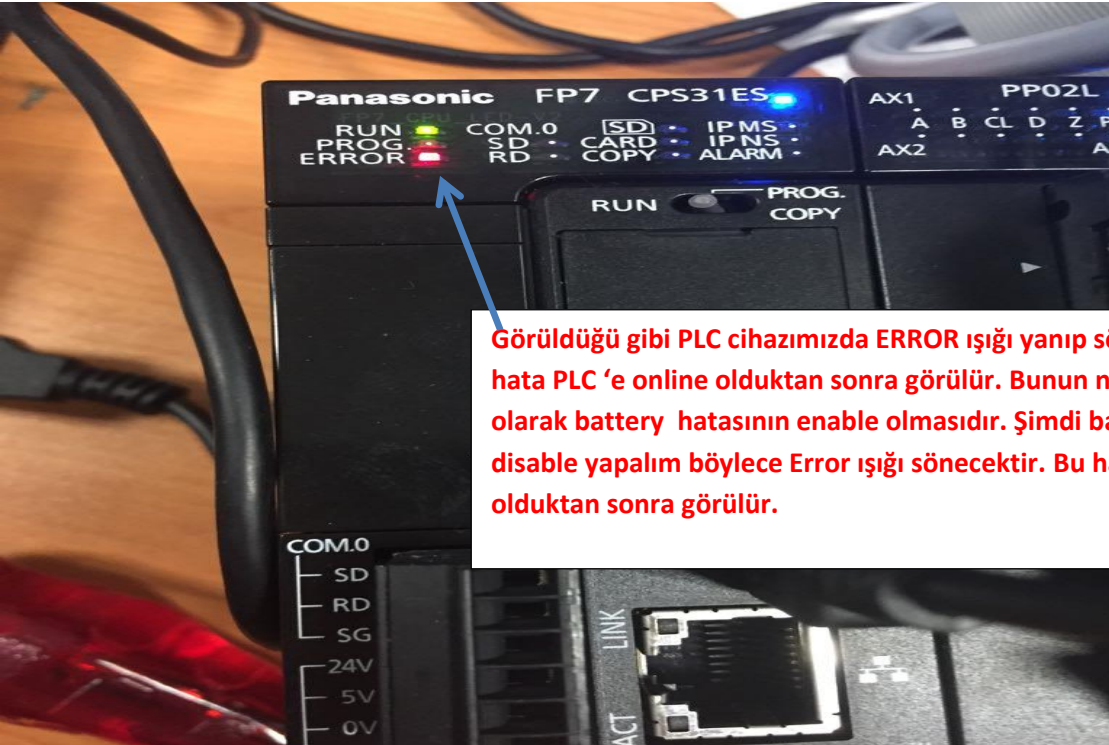
PLC de kalıcı adreslerdeki değerlerin her program yüklenmesinde silinmemesini sağlar.

Daha sonra Compile options altında 'Code generation' kısmına gelerek bu segme de işaretlenir.

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ



Yapılan bu ayarlamalardan sonra Ok deyip çıkalım.



SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Ekranın sol tarafında bulunan PLC(FP7 CPS31ES) segmesinin altında System registers iki kez sol tıklanarak 'Act on error' kısmına girelim.

Class	Identifier	Type	Initial	Comment
0	VAR			
1				
2				
3				

Böyle bir pencere açılacaktır.

Görüldüğü gibi ilk açtığımızda Enable olarak görülmektedir.

No	Item name	Data	Dime...	Range	Additional information
0	Battery error indication	Enable		Enable	Specifies the indication of a backup battery error. If enabled, a...
0	Duplicate output	Enable		Fixed	Specifies the operation when a duplicate use of output is prog...
0	RTC error alarm	Enable		Enable	
0	Internal flag (R)	Clear		Clear	At INITIALIZE position of the INITIALIZE/TEST switch
0	Link flag (L)	Clear		Clear	At INITIALIZE position of the INITIALIZE/TEST switch
0	Timer/counter (T,C,SV,EV)	Clear		Clear	At INITIALIZE position of the INITIALIZE/TEST switch
0	Data register (DT)	Clear		Clear	At INITIALIZE position of the INITIALIZE/TEST switch
0	Link register (LD)	Clear		Clear	At INITIALIZE position of the INITIALIZE/TEST switch
0	Index register (I)	Clear		Clear	At INITIALIZE position of the INITIALIZE/TEST switch
0	Error alarm flag (E)	Clear		Clear	At INITIALIZE position of the INITIALIZE/TEST switch
1	Unit alarm occurrence	Stop		Continue	
1	Unit error occurrence	Stop		Continue	
1	I/O verification error	Stop		Continue	
1	Unit verification error	Stop		Continue	
1	Unit initialization timeout	Stop		Continue	
1	Unit configuration mismatch	Stop		Continue	
1	Operation error	Stop		Continue	Specifies the operation when an operation error has been dete...
2	Bus error: CPU	Continue		Continue	

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

I/O map and unit configuration Act on error Program_1

No	Item name	Data	Dime...	Range
0	Battery error indication	Enable		Enable
0	Duplicate output	Enable		Fixed
0	RTC error alarm	Disable		Enable
0	Internal flag (R)	Clear		Clear
0	Link flag (L)	Clear		Clear
0	Timer/counter (T,C,SV,EV)	Clear		Clear
0	Data register (DT)	Clear		Clear
0	Link register (LD)	Clear		Clear
0	Index register (I)	Clear		Clear
0	Error alarm flag (E)	Clear		Clear
1	Unit alarm occurrence	Stop		Continue

Bu kısmın üstüne tıklayarak Disable olarak değiştirelim.

Daha sonra ise PLC modelimizi ve kullandığımız PLC modülümüzü seçelim.

Project I/O map and unit configuration Act on error Program_1

Project [Untitled]
PLC (FP7 CPS31ES)
System registers
Memory size
Hold on/off
Act on error
Time-out
Serial ports
Ethernet
I/O map and unit configuration
Data recording
Program code
Periodic interrupt code
Libraries
Tasks
DUTs
Global variables
POUs
Program_1 (PRG, 0 steps)

Class	Identifier	Type	Initial	Comment
0	VAR			
1				
2				
3				

Ekranın sol tarafında bulunan PLC(FP7 CPS31ES) segmesinin altında System registers iki kez sol tıklanarak 'I/O map and unit configuration' kısmına girelim.

Açılan ekranımızda PLC modelini tanıtalım.

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Power supply unit: 24V DC
Master/slave unit: Not used
Expansion unit recognition time: 5 s (5-1800)

Max. current consumption: 3.0 A
Total: 0.0 A
Remaining: 3.0 A

Max. configuration capacity: 0.00 MB
Remaining: 0.00 MB

Advanced... Reallocation... Upload from PLC... Download to PLC...

Slot	Product No.	Unit type	Starti...	Input	Outp...	Verify	Refresh	Time co...	Current c...	Cassette	Touch panel
<input type="checkbox"/>	0										
<input type="checkbox"/>	1										
<input type="checkbox"/>	2										
<input type="checkbox"/>	3										
<input type="checkbox"/>	4										
<input type="checkbox"/>	5										
<input type="checkbox"/>	6										
<input type="checkbox"/>	7										
<input type="checkbox"/>	8										
<input type="checkbox"/>	9										
<input type="checkbox"/>	10										
<input type="checkbox"/>	11										
<input type="checkbox"/>	12										
<input type="checkbox"/>	13										
<input type="checkbox"/>	14										
<input type="checkbox"/>	15										
<input type="checkbox"/>	16										

Bu ilk satırdaki boşluğa mouse ile iki kez sol tıklayalım

Unit selection (slot 0)

Unit category: CPU
Unit type: FP7 CPU [AFP7CPS31ES]
Input time constant: 0
Starting word address: 475 (0 - 502)
Number of input words: 37 (0 - 128)
Number of output words: 37 (0 - 128)

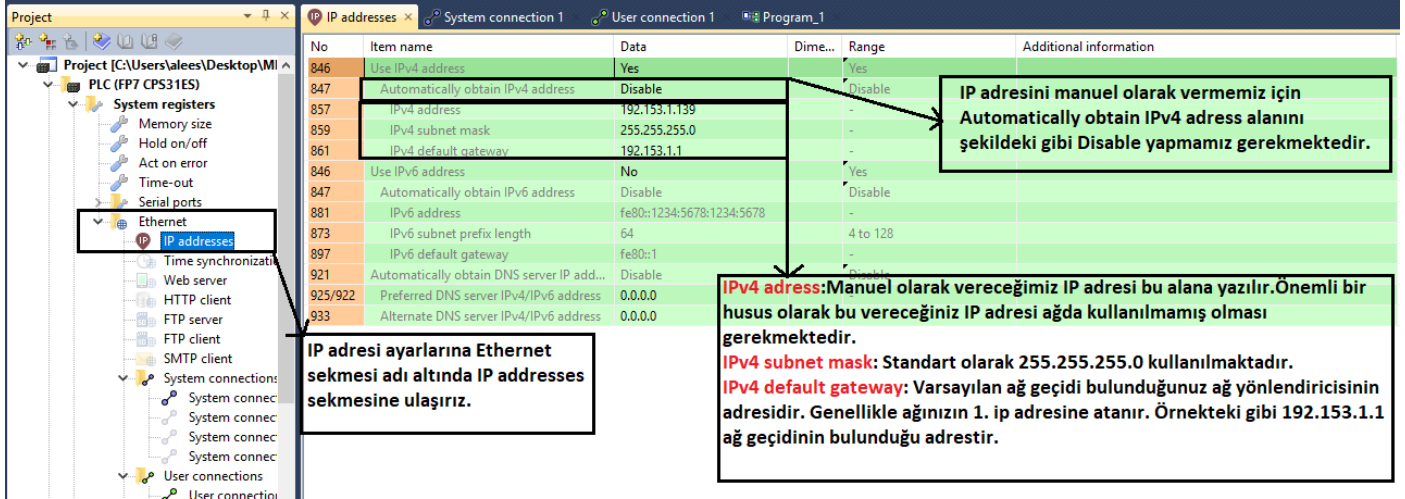
Exclude this unit from I/O verification

OK
Cancel

Görüldüğü gibi biz seçim yapamıyoruz. Bağladığımız PLC cihazını kendisi otomatik olarak seçecektir.

OK deyip kapatabiliriz.

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

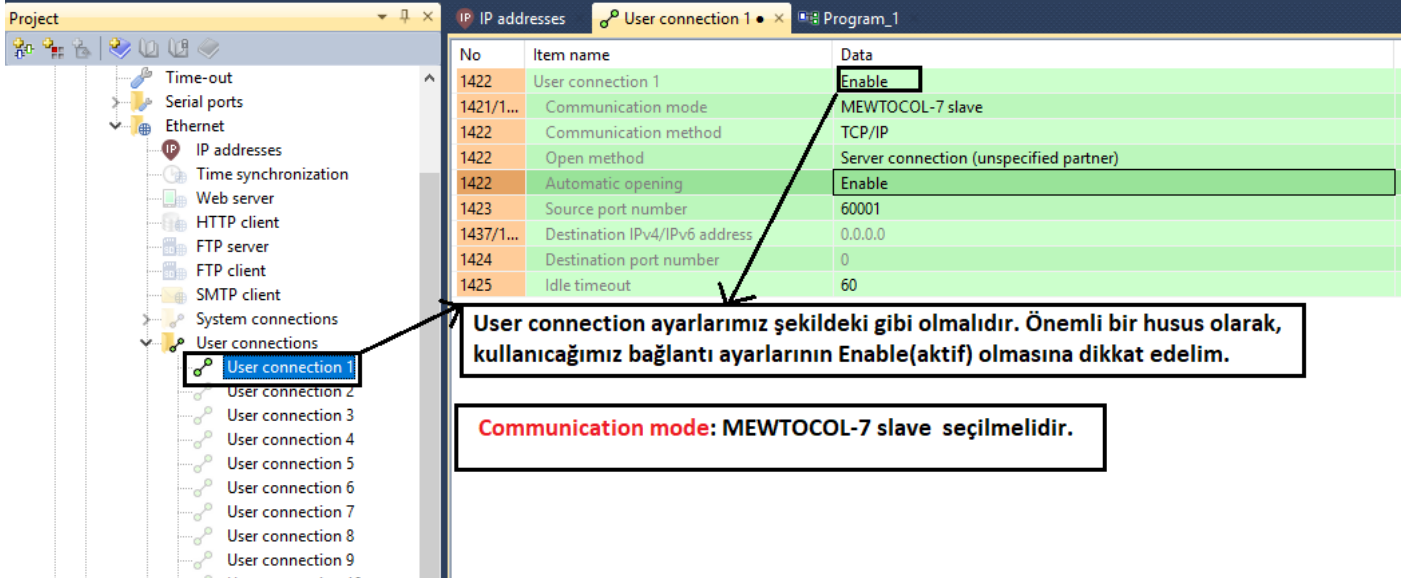


No	Item name	Data	Dime...	Range	Additional information
846	Use IPv4 address	Yes		Yes	
847	Automatically obtain IPv4 address	Disable		Disable	
857	IPv4 address	192.153.1.139		-	
859	IPv4 subnet mask	255.255.255.0		-	
861	IPv4 default gateway	192.153.1.1		-	
846	Use IPv6 address	No		Yes	
847	Automatically obtain IPv6 address	Disable		Disable	
881	IPv6 address	fe80::1234:5678:1234:5678		-	
873	IPv6 subnet prefix length	64		4 to 128	
897	IPv6 default gateway	fe80::1		-	
921	Automatically obtain DNS server IP add...	Disable		Disable	
925/922	Preferred DNS server IPv4/IPv6 address	0.0.0.0		-	
933	Alternate DNS server IPv4/IPv6 address	0.0.0.0		-	

IP adresini manuel olarak vermemiz için Automatically obtain IPv4 address alanını şekildeki gibi Disable yapmamız gerekmektedir.

IP adresi ayarlarına Ethernet sekmesi adı altında IP addresses sekmesine ulaşırız.

IPv4 adres: Manuel olarak vereceğimiz IP adresi bu alana yazılır. Önemli bir husus olarak bu vereceğiniz IP adresi ağda kullanılmamış olması gerekmektedir.
IPv4 subnet mask: Standart olarak 255.255.255.0 kullanılmaktadır.
IPv4 default gateway: Varsayılan ağ geçidi bulunduğunuz ağ yönlendiricisinin adresidir. Genellikle ağınızın 1. ip adresine atanır. Örnekteki gibi 192.153.1.1 ağ geçidinin bulunduğu adrestir.





No	Item name	Data	Additional information
1422	User connection 1	Enable	
1421/1...	Communication mode	MEWTOCOL-7 slave	
1422	Communication method	TCP/IP	
1422	Open method	Server connection (unspecified partner)	
1422	Automatic opening	Enable	
1423	Source port number	60001	
1437/1...	Destination IPv4/IPv6 address	0.0.0.0	
1424	Destination port number	0	
1425	Idle timeout	60	

User connection ayarlarımız şekildeki gibi olmalıdır. Önemli bir husus olarak, kullanıcılarımız bağlantı ayarlarının Enable(aktif) olmasına dikkat edelim.

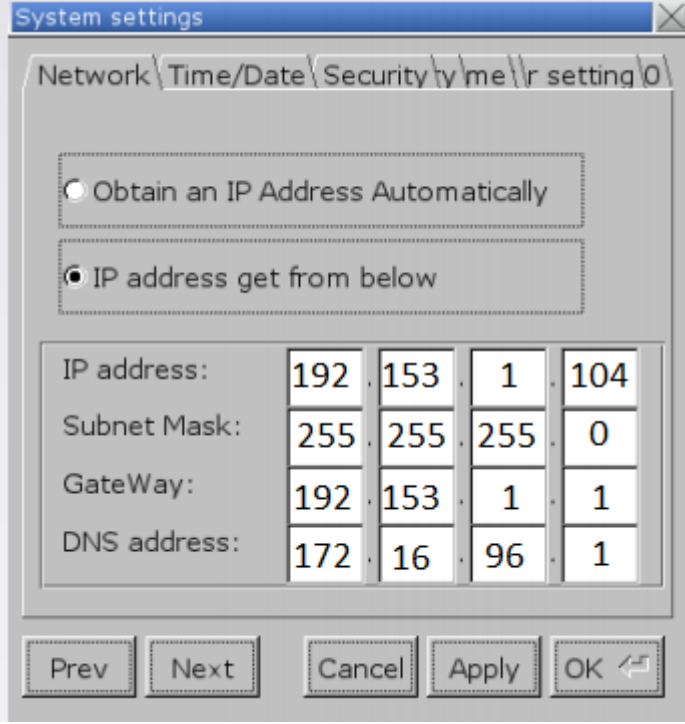
Communication mode: MEWTOCOL-7 slave seçilmelidir.

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

WEİNTEK PANELEDE IP ADRESİNİ MANUEL ATAMA

Ekranın sağ alt köşesinde bulunan  simgeye basılır. Daha sonra  simgesine basılır ve gelen ekranda 111111 şifresi girilir.

Şifre geldikten sonra karşımıza gelen ekran şekildeki gibidir;

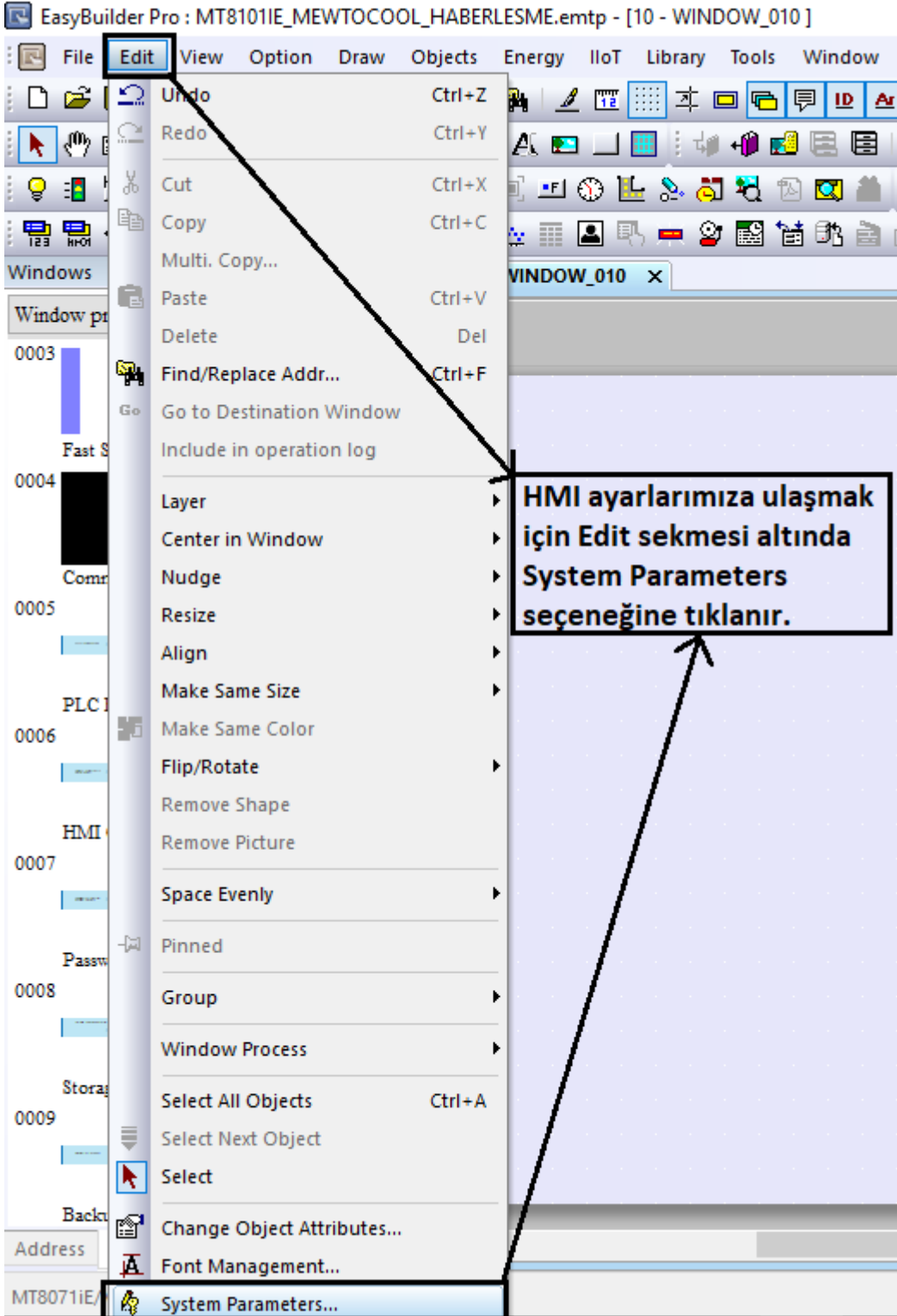


The screenshot shows a 'System settings' dialog box with a blue title bar. The window title is 'System settings' and the path is 'Network \ Time/Date \ Security \ y me \ r setting 0'. There are two radio button options: 'Obtain an IP Address Automatically' (unselected) and 'IP address get from below' (selected). Below these options is a table for manual IP configuration:

IP address:	192	153	1	104
Subnet Mask:	255	255	255	0
GateWay:	192	153	1	1
DNS address:	172	16	96	1

At the bottom of the dialog box, there are five buttons: 'Prev', 'Next', 'Cancel', 'Apply', and 'OK' (with a checkmark icon).

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SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

System Parameter Settings

×

Cellular Data Network Printer/Backup Server Time Sync./DST e-Mail Recipes

Device Model General System Setting Security Non-ASCII Fonts Extended Memory

Device list : [What's my IP?](#)

No.	Name	Location	Device type	Interface	I/F Protocol
▶ Local HMI	Local HMI	Local	MT8071iE/MT81...	-	-


PLC'mizi eklemek için Device bölümüne gelinip New tuşuna basılır.

< >

New... Delete Settings/Security...

Project description :

SCADA software can indirectly access PLC data via MODBUS TCP/IP Server on HMI. (Add a MODBUS TCP/IP Server first and enable [MODBUS TCP/IP Gateway])



Tamam iptal Yardım

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Name : Panasonic MEWTOCOL7

HMI PLC

Location : Local Settings...

* Select Local for a PLC connected to this HMI, or Remote for a PLC connected through another HMI.

PLC type : Panasonic MEWTOCOL7
V.1.10, PANASONIC_MEWTOCOL7_ETHERNET.e30

I/F : Ethernet Open PLC Connection Guide...

Support off-line simulation on HMI (use LB-12358)

PLC type: Panasonic Electric Works altında Panasonic MEWTOCOL7 seçilmelidir.

IP : 192.168.1.100, Port=60001 Settings...

Use UDP (User Datagram Protocol)

PLC default station no. : 1

Default station no. use station no. variable

Use broadcast command

[How to designate the station no. in object's address?...](#)

Interval of block pack (words) : 5

Max. read-command size (words) : 180

Max. write-command size (words) : 180

OK Cancel

Device Properties

Panasonic Electric Works Search

Panasonic Eco-Power Meters
Panasonic FP (Ethernet)
Panasonic FP/KW
Panasonic FP2 (Ethernet)
Panasonic MEWTOCOL7
Panasonic MINAS A4
Panasonic MINAS A5

Device type	Bit/Word	Address format	Max. ad...	Min. a...	Des
_CE	Word	LLLLDDD	9991023	10000	LLL
_CS	Word	LLLLDDD	9991023	10000	LLL
_TE	Word	LLLLDDD	9994095	10000	LLL
_TS	Word	LLLLDDD	9994095	10000	LLL
_DT	Word	LLLLDDDDD	999999...	1000...	LLL
_LD	Word	LLLLDDDDD	99916383	100000	LLL
_WL	Word	LLLLDDD	9991023	10000	LLL
_WR	Word	LLLLDDD	9992047	10000	LLL
_WY	Word	LLLLDDD	999511	1000	LLL
_WX	Word	LLLLDDD	999511	1000	LLL

Open PLC Connection Guide...

OK Cancel

No	Item name	Data
846	Use IPv4 address	Yes
847	Automatically obtain IPv4 address	Disable
857	IPv4 address	192.153.1.139
859	IPv4 subnet mask	255.255.255.0
861	IPv4 default gateway	192.153.1.1
846	Use IPv6 address	No
847	Automatically obtain IPv6 address	Disable
881	IPv6 address	fe80::1234:5678:1234:5678
873	IPv6 subnet prefix length	64
897	IPv6 default gateway	fe80::1
921	Automatically obtain DNS server IP add...	Disable
925/922	Preferred DNS server IPv4/IPv6 address	0.0.0.0
933	Alternate DNS server IPv4/IPv6 address	0.0.0.0

No	Item name	Data
1422	User connection 1	Enable
1421/1...	Communication mode	MEWTOCOL-7 slave
1422	Communication method	TCP/IP
1422	Open method	Server connection (unspecified)
1422	Automatic opening	Enable
1423	Source port number	60001
1437/1...	Destination IPv4/IPv6 address	0.0.0.0
1424	Destination port number	0
1425	Idle timeout	60

IP Address Settings

IP address : 192 . 168 . 1 . 100

Port no. : 60001

PLC deki belirlediğimiz IP adresi bu alana yazılmalı.

Port numaraları aynı olmalı.

Timeout (sec) : 5.0 Turn around delay (ms) : 0

The number of resending commands : 0

OK Cancel

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Name :

HMI PLC

Location :

* Select Local for a PLC connected to this HMI, or Remote for a PLC connected through another HMI.

PLC type :

I/F :

* Support off-line simulation on HMI (use LB-12358)

Ayarlarımızı yaptıktan sonra karşımızdaki ekran bu halini alır.

IP :

Use UDP (User Datagram Protocol)

PLC default station no. :

Default station no. use station no. variable

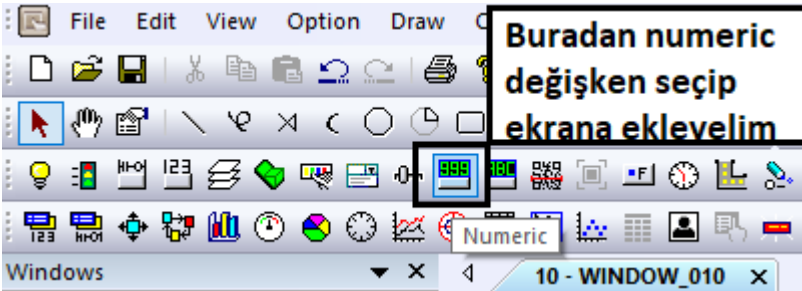
Use broadcast command

[How to designate the station no. in object's address?...](#)

Interval of block pack (words) :

Max. read-command size (words) :

Max. write-command size (words) :



SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

New Numeric Object

General Data Entry Format Security Shape Font

Description :

Allow input

Read/Write use different addresses

Read/Write address

PLC : Panasonic MEWTOCOL7

Address : DT

Notification

Enable

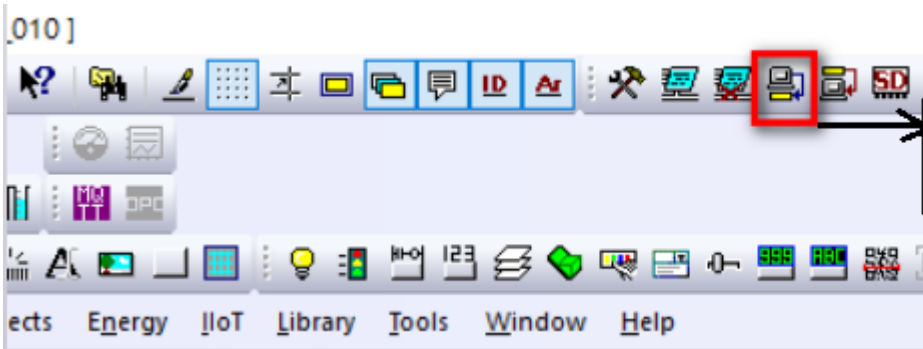
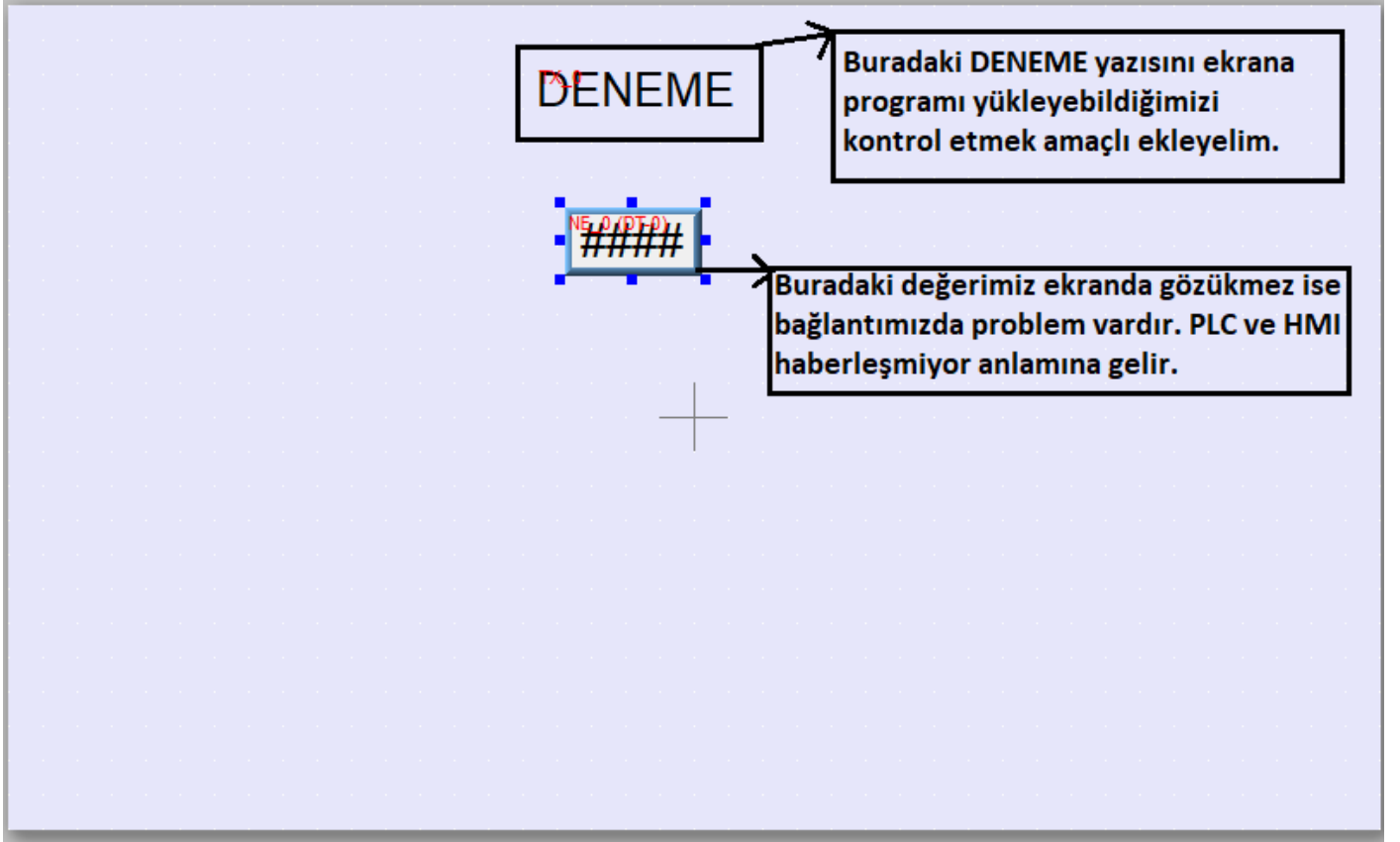
Şekildeki ayarları yaptığımız zaman tanımladığımız numeric değişken görüldüğü gibi Ethernet üzerinden PLC'mize bağlanarak DT-0 adresine erişim sağlar.

Notification on invalid input

Enable

Dipnot: Eğer HMI panelinde tanımladığımız numeric değişken gözükmezse bağlantı sağlanamamıştır.Bağlantı ayarlarımızı tekrar kontrol etmemiz gerekir.

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ



Şekildeki simge ile yükleme yapılır.

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Download

Ethernet Password/Port no. of download/upload : Settings...

IP HMI Name

IP : 192.153.1.104

HMI için belirlenen manuel IP adresi buraya yazılır.

Font files Use EasyAccess 2.0 [What's my IP?](#)

Runtime * Necessary if update runtime or execute download first time.

Use user-defined startup screen

Use system settings file

Synchronize HMI clock with PC

Delete user-defined startup screen

Reset recipe Reset event log Reset data sampling

Reset recipe database Reset operation log Reset string table

Reboot HMI after download

Automatically using current settings to download after compiling.

Download Stop Exit

Yükleme işlemini gerçekleştir.

IP HMI Name

HMI : Default HMI

Search

Search All

HMI Name adı altında Search veya Search All tuşuna basılarak ağdaki HMI'ları listeyebilir ve seçebilirsiniz.