GT SCADA SUPERVISION

USER MANUAL







IMPORTANT SAFETY INSTRUCTIONS



WARNING! Read the section that follows very carefully before installing your equipment. It gives the safety instructions to follow during installation.



To protect your equipment, connect power on UPS (Uninterruptible Power Supply).



The electrical installation to which the equipment is connected must comply with the NF C 15-100 standard.



This device does not have a primary power switch. A power protection system (circuit-breaker or disconnecting switch), that is easy to access must be built into the wiring installation. This device must support the nominal voltage and current values specified on the clock.



In Europe: to comply with European regulations on the protection of persons and the environment, you must dispose of this equipment in a collection site provided for this purpose (separately from household waste). Contact your reseller, collection site or the competent local authorities for more information.



Modifying or opening the product without the consent of the Customer service department will void the warranty.



All maintenance operation shall be conducted with power shut off, including systems connected on relay outputs if any.



Generally, the power cable (220V) and transmission cable (of time signal) shall not be very close to each other, so as to avoid interference (keep the distance of a few centimeters).



Gorgy Timing disclaims all responsibility in case of accident or damage caused by an improper use of the product.

GORGY TIMING products are compliant with the following standards: CE, EN 60950, EN 55022, EN 50024

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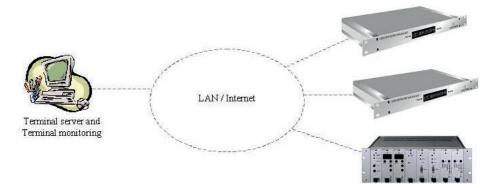
1.1. INTRODUCTION

The GORGY TIMING supervision Ethernet software is used to monitor and analyze the GORGY TIMING products on the network and is possibly compatible with the other manufacturers.

In order to achieve this, the software connects directly to the products on the network by the SNMP (Simple Network Management Protocol) or check the log file in the server. The software is made of two parts, terminal server and terminal monitoring.

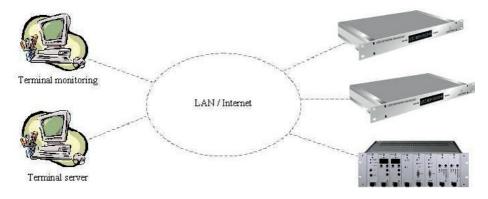
1.2. EXAMPLES OF USE

Terminal server and terminal monitoring both running on the same PC (or server)

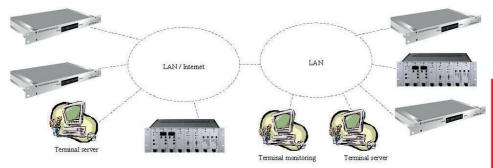


If the PC (or server) is on the LAN (Local Area Network) or Internet, the software can monitor, analyze and configure the products on the LAN or Internet.

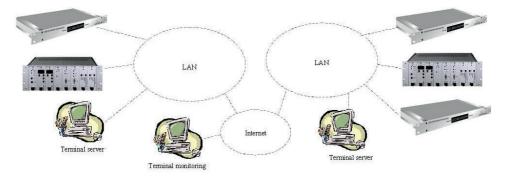
Terminal server and terminal monitoring running on different PCs (or servers)



The two terminals are running on the same LAN or Internet. The software can monitor, analyze and configure the products on the LAN or Internet.



The terminal server is running on the LAN or Internet, the terminal monitoring is running on another LAN or on Internet. The software can monitor and analyze the products on both networks and even configure the products on the same subnet on which the terminal monitoring is running.



The terminal servers is running on the LAN, the terminal monitoring is running on Internet. The software can monitor and analyze the products on both LAN.



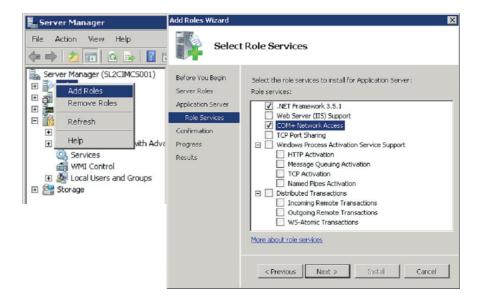
2.1. REQUIREMENTS

In order to install the GORGY TIMING supervision Ethernet software, you need these items:

- PC (or server) with a Microsoft Windows 32 bits OS supporting services (NT4 or higher Windows platform, Windows XP, Windows Server 2003 and Windows Vista).
- Network interface (Ethernet).
- Microsoft .Net Framework 4.5 platform or higher.
- Administrator rights on the local OS for installation session.

On a Windows Server you have to enable the .NET Framework and COM+ Network Access for GTSupervisionEthernet to work. For this:

- Right click on Roles;
- Click Add Roles;
- ▶ In the Server Roles step, select Application Server;
- In the Application Server Role Services, select .NET Framework and COM+ Network Access;
- Follow the next steps until the end of the wizard.



2.2. PROCEDURE

Launch 'GTSCADASupervision V2.10.exe' file, enter your installation password and choose options like path and program's group. The default path and group is 'C:\Program Files\GORGY TIMING\GTSupervision'.

When installation is complete, the 'GORGY-TIMING SCADA Service' will automatically start. You can check the service in the Computer Management window via 'Start \rightarrow Control Panel \rightarrow Administrative Tools \rightarrow Computer Management', or right click 'My Computer' and click 'Manage'.



Services	V
Fichier Action A	ffichage ?
♦ ■ □ 0	à 📾 🛛 📷 🕨 🔲 II 🕪
Services (local)	Nom
	Gestionnaire d'identité réseau homologue Gestionnaire d'informations d'identification Gestionnaire de comptes de sécurité Gestionnaire de connexion automatique d'accès distant Gestionnaire de connexions d'accès distant Gestionnaire de sessions du Gestionnaire de fenêtrage GORGY-TIMING SCADA Service GORGY-TIMING SNMP SQL Management Service

Expand the 'Services and Applications' and select 'Services', and you can find the 'GORGY-TIMING SCADA Service' in right window with the state 'Started'.

Besides that, you can find 'GORGY TIMING \rightarrow GTSupervision' in the program group and there are four items.



 Ditto Eltima Software ESET 	-	
 FileZilla FTP Client FSL GORGY TIMING 		Ordinateur
GT_Scheduler		Réseau
GTSCADASupervision		Panneau de configuration
Supervision		Périphériques et imprimantes
Uninstall GTSCADASupervision GTSynchro		Programmes par défaut
grepWin HD Free Serial Port Monitor	_	Aide et support Exécuter
Précédent		
Rechercher les programmes et fichiers	0	Arrêter 🕨

The first one, 'Supervision', shows the supervision window. It's the main window of the program.

The next item is 'Analyze'. It's an utility to analyze the product.

The 'Guide EN' is a guide in English, viewable with Adobe Acrobat Reader software.

The last one is used when you want to remove the software.

The software has two monitoring modes, the 'PASSIVE' one and the 'ACTIVE' one. You can change it through the 'Option' window, via 'Options \rightarrow Option \rightarrow Monitoring Mode'.

1	GTS0	CADA Supe	rvision V2	2.10			
ſ	File	Options	Tools	Help			
		Prod	ucts(Add	/Remove)			
		View	View				
	Start	Lang	uage		•		
	Défault	Opti	ons			L	
	IP Add	Alarr	n				

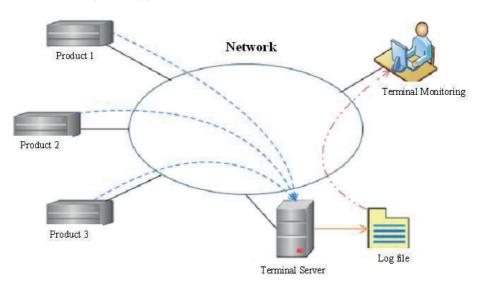
You can also setup the monitoring interval for every mode. Their minimum value is 3s.

B Options	
Monitoring Mode Configuration Network SNMP Version	1
MODE INTERVAL (s)	
PASSIVE MODE 6	
(from events file)	
ACTIVE MODE 6	
(directly from network)	
Ok Cancel	1



3.1. 'PASSIVE' MODE

In the 'PASSIVE' mode, the software does not directly connect to the products on the network but reads periodically an event file called 'Events.xml', filled by the service engine (terminal server) gathering generated alerts (SNMP traps).



The default path of the log file 'ServersEvents.xml' is

'C:\Program Files (x86)\GORGY TIMING\GTSCADASupervision\ServersEvents'. You can add, delete and change the log file by the 'Management Events Files' window, via 'File \rightarrow Import/Export'.

GTSCADA Supervision V2.10 File Options Tools Help	Bookmark name	File path
Import/Export	ServersEvents.xml	C:\Program Files (x86)\GORGY TIMING\
Start 🧲		
Stop emove		
Exit		
IP Address Model		
	Add	Delete Ok Cancel

In the 'PASSIVE' mode, you can add the same log file many times, but the name of the tab must be different (If you add the same log file name, the program automatically changes the name of the tab).

You can modify the name of the tabs by double clicking on them, in the main window.

In the 'PASSIVE' mode, the state of the log file (server) is displayed in the bottom of the main window. There are four possible states of the log file (server):

The Supervision's engine is running fine.

--PASSIVE state-- Supervision is running ... 💿 The Supervision's engine is running fine -

The log file is correct, and the service that receives the alarm events runs normally.

The Supervision's engine has halted.

--PASSIVE state--- Supervision is running ... 💋 The Supervision's engine has halted 10/12/2008 11:51:02

The log file is correct, but the service that receives the alarm events is stopped.

The Supervision's engine is broken.

--PASSIVE state-- Supervision is running ... 🛕 The Supervision's engine is broken

The log file is correct, but the service that receives the alarm events is abnormal.

The Supervision's engine can't find events file.

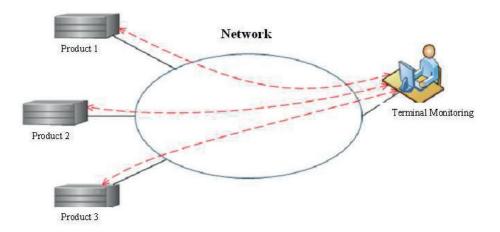
--PASSIVE state-- Supervision is running ... 🦓 The Supervision's engine can't find events file

The log file isn't correct or can't be found.



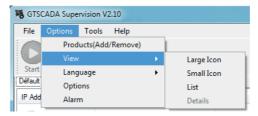
3.2. 'ACTIVE' MODE

In the 'ACTIVE' mode, the software gathers directly the data from the products on the network (a query is sent to the products by their IP address). Depending on the reply, the program is able to know the state of a product (SNMP MIB).



In the 'ACTIVE' mode, you can add a tab in the main window by the same way as in the 'PASSIVE' mode. But you must input a different name for each tab.

🥦 N	Nanagement Events F	
Bo	ookmark name	File path
Pa	aris	C:\BE_SVN\proj\GTSCADA\Install\versi
	ew York eijing	w label's name
Ly	yon New na	me Ok Cancel
	Add Del	ete Ok Cancel



You can find most of the settings in the 'Options' menu.

4.1. 'PRODUCTS (ADD/REMOVE)', 'MANAGEMENT MONITORING LIST' WINDOW

You can set the main parameters in the 'Options' menu. The 'Products (Add/Remove)' button is for opening the 'Management Monitoring List' window. The default monitoring list is empty, you can add products in the list through 'Management Monitoring List' window, via 'Options \rightarrow Products (Add/Remove)'.

Products found on subne	et		
IP Address	Model	MAC Address	State
192.168.1.182	LEDI Network ITS v2	00:40:9D:6F:7C:C5	The device is now externally synchro
192.168.0.138	LEDI Network ITS v2	00:40:9D:88:83:C5	The device is now externally synchro
192.168.1.121	LEDI Network ITS v2	00:40:9D:6F:7E:EA	Input 2 is synch again
192.168.0.139	LEDI Network ITS v2	00:40:9D:7B:6B:E8	The device is now externally synchro
192.168.1.27	LEDI Network TS	00:40:9D:7B:67:5C	The device is now externally synchro
192.168.1.26	LEDI Network ITS v2	00:40:9D:6F:A1:1A	The device is now externally synchro
192.168.1.61	LEDI NET 150808	00:40:9D:79:62:DA	Normal behaviour, current clock is lo
192,168,1,55	LEDI NET 150809	00:40:9D:79:62:57	Normal behaviour, current clock is lo
192 168 0 140 < Refresh		42-47-54-14-23-43 III III Delete	All of the SNMP products in subnet
Refresh	A		
Refresh Products currently monitor	A		
Refresh Products currently monitor	ared	ud Delete	All of the SNMP products in subnet
Refresh Products currently monitor IP Address	ored Model	udd Delete	All of the SNMP products in subnet
Refresh Products currently monito IP Address 192.168.1.27	ored Model LEDI Network T	iii Delete s rS v2	All of the SNMP products in subnet
Refresh Products currently monito IP Address 192.168.1.27 192.168.1.26	ored Model LEDI Network T LEDI Network IT	III Delete	MAC Address 00:40:9D:7B:67:5C 00:40:9D:6F:A1:1A
 Refresh Products currently monitor IP Address 192.168.1.27 192.168.0.138 	ored Model LEDI Network T LEDI Network IT LEDI Network IT	III Delete	MAC Address 00:40:90:78:67:5C 00:40:90:78:67:5C 00:40:90:78:63:55
 Refresh Products currently monitor IP Address 192.168.1.27 192.168.1.26 192.168.0.138 192.168.1.182 	ored Model LEDI Network T LEDI Network IT LEDI Network IT LEDI Network IT	III Delete kdd Delete S S IS v2 S IS v2 S SS v2 S	MAC Address 00:40:9D:7B:67:5C 00:40:9D:7B:67:5C 00:40:9D:6F:A1:1A 00:40:9D:6B:83:2C5 00:40:9D:6F:7C:C5

In the 'PASSIVE' mode, the upper part of the window lists the products that have sent some event alarm to the server. But in the 'ACTIVE' mode, the upper part of the window lists the products that are available on the network (subnet). The lower part of the window lists the products that are monitored in the main window.



You can search for all available products in your log file ('PASSIVE' mode) or on your network ('ACTIVE' mode) through the 'Refresh' button. It's for researching the available products in your log file or on your subnet, and display them in the upper list.

You can add and delete the products in the lower list.

The 'Add' button, only activated after having selected some product(s) in the upper list, adds selected product(s) to the lower list.

The 'Delete' button, only activated after having selected some product(s) in the lower list, removes the selected product(s) from the list.

In the 'ACTIVE' mode, if you want to monitor a product on other subnet, you can add it by inputting the network address and mask through the 'Add the product on the other Subnet' button. Then you can use the 'Search Product' window for researching and adding the product from the other subnet. (You can also input an interval of the IP addresses for the research.)

	Add the product on the	e other Subnet
Search Product		
IP Network Mask Network	192.168.10.1 255.255.255.0	Vetwork Mask
Search Area	192.168.10.1	192.168.10.254
Product's inform	ation	
IP	Model	MAC
All of the SNM	IP products in subnet	Add Cancel
		.::

In the 'ACTIVE' mode, if you click the 'All of the SNMP product in Subnet' checkbox, you can see all the products that are available for SNMP in the subnet.

All of the SNMP products in Subnet

4.2. 'VIEW'

The 'View' button is for changing the icon view. In the two modes, there are four kinds of view that you can choice, 'Large Icon', 'Small Icon', 'List' and 'Detail'.

The 'Large Icon', 'Small Icon' and 'List' allows the icon of the products to change according to the state of the products.



With the 'Detail' view, you can see the description of the state of the product in the monitoring list.

Paris New York Beiji	Tentient being ther energies entrane							
IP Address Product's model		Product's state	MAC Address	Trap's Number				
over 192.168.10.51	GT RT4000/NT012 module 000000	Rack x [Slot y] : NTxxx is rescaling	00:20:4A:86:9B:A9	1.5.10				
oral 192.168.10.133	GT RT4000/NT013 modu075733 -xxx	NTP server software is rescaled on its PPS source	00:20:4A:95:36:84	1.3.6				
192.168.10.120	NTP Server outcard 000000	NTP server software is rescaled on its PPS source	00:20:4A:90:13:EF	1.3.6				
192.168.10.122	GT LEDI 1/S/RK Enhanced 000000	Failure! no more time-code and the time base has no more autonomy	00:20:4A:AB:02:8F	1.3.7				

4.3. 'LANGUAGE'

The 'Language' menu in 'Options' shows every available languages in the software solution. When you choose another language in the list, the whole interface changes according to your choice, instantly saving your selection for further reminder.

😽 GTS	CADA Supe	rvision V	2.10			
File	Options	Tools	Help			
	Prod	ucts(Add	/Remove)			
	View			- +		
Start	Lang	uage		•	english	
Défault	Optio	ons			français	ł
IP Add	Alarn	n			中文	



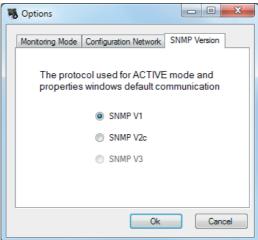
4.4. 'OPTIONS' WINDOW

The 'Monitoring Mode' tab is for changing the mode of the monitoring. (Refer to THE TWO MODE OF THE MONITORING.)

The 'Configuration Network' tab is for configuring the network's environment of the software. If you have more than one network card in the PC (server), you can choose which card to be used by the program in this tab.

Doptions	
Monitoring Mode Cor	figuration Network SNMP Version
Network	
IP Address	192.168.0.134 👻
Subnet	255.255.248.0
Gateway	192.168.0.2
	Ok Cancel

The 'SNMP Version' tab is for setting the version of the default protocol SNMP which will be used in the 'ACTIVE' mode. (All the GORGY TIMING product are compatible with 'SNMP V1'.)



4.5. 'ALARM' WINDOW

Alarm		
IP	MODEL	DESCRIP
192.168.1.121	LEDI Network ITS v2	Pas assez de réponse du serveur
192.168.0.140	LEDI NET	trackingNTPSer
192.168.1.172	LEDI NET	trackingNTPSer
•	III	•

The 'Alarm' window shows all the products that did generate an alarm SNMP trap.

This window is automatically and periodically refreshed: once a product alarm has disappeared, the product disappears from this window too, and if an alarm occurs for a new product, then this product display is added in this window.

The view kind of this 'Alarm' window depends on the view kind of the main window at the time this 'Alarm' window is open:

With a 'Detail' view for the main window, then the 'Alarm' window will have a 'Detail' view too. Otherwise, with all other kinds of view for the main window, then the 'Alarm' window will have a 'Large Icon' view.



The products appear in this window only after a delay. This delay can be adjusted in the following file :

C:\Program Files (x86)\GORGY TIMING\GTSCADASupervision\ Preferences.xml,

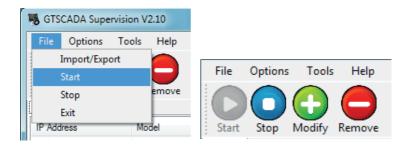
on the line where there is the 'WaitAlarmCounter' parameter. The value is entered in seconds. If you want to disable this feature and the products to appear as soon as their alarm is on, then set this value to 0.

```
<?xml version="1.0" encoding="utf-8"?>
<preferences></preferences>
 <supervision>
   <registration>
      <fileDefinitions path="" name="Definitions.xml" />
      <fileProduits path="" name="Produits.xml" />
     <fileIcons path="" name="Icons.xml" />
     <SnmpRegistration port="161" time="3" retrie="2" context="public" />
      <waitTimeService value="1" />
      <TestTerme value="500" />
      <WaitAlarmCounter value="0" />
    </registration>
    <configuration>
     <modeip IP="192.168.0.134" Subnet="255.255.248.0" Gateway="192.168.0.2" />
      <modeicon ModeView="DetailView" />
     <modesupervision ModeActif="true" IntervalActif="6" IntervalPassif="6" />
     <modesnmp VersionSNMP="1" />
    </configuration>
   <supervision file File="C:\BE SVN\proj\GTSCADA\Install\version 2.12\Install\Licence
  </supervision>
  <clockalarm>
   <registration>
     <fileDefinitions path="" name="Definitions.xml" />
     <fileProduits path="" name="Produits.xml" />
     <fileAlarms path="" name="Alarms.xml" />
      <fileClocksEvents path="" name="ClocksEvents.xml" />
      <SnmpRegistration port="161" time="3" retrie="2" context="public" />
      <waitTimeService value="1" />
      <TestTerme value="500" />
    </registration>
  </clockalarm>
</preferences>
```

In both of the modes, you can start the monitoring by clicking directly the 'Start' button or via 'File \rightarrow Start', and stop it by the 'Stop' button or via 'File \rightarrow Stop'.

The 'Modify' button is for opening directly the 'Management Monitoring List' window from the monitoring window.

The 'Remove' button is for deleting directly the products from the monitoring list.



5.1. TABS

You can add and delete a tab by the 'Management Events Files' window, via 'File \rightarrow Import/Export'. (Refer to THE TWO MODE OF THE MONITORING.)

If you want to rename the tab, double click on the tab itself and the 'Change label's name' windows is opened. Input the new name and click 'Ok'.

File Options To	ols Help	
Start Stop Modi	fy Remove	
Paris New York Beij	ing Lyon	
IP Address	Model	State
192.168.1.27	LEDI Network TS	The device is now externally synchronized
192.168.1.26	LEDI Network ITS v2	The device is now externally synchronized
192.168.0.138	LEDI Network ITS	I's name Paris
07:192.168.1.182	LEDI Network ITS	
07:192.168.0.139	LEDI Network ITS New name	Paris2 Ok Cancel
07:192.168.1.121	LEDI Network ITS	
192.168.1.55	LEDI NET 150809	Normal behaviour, current clock is locked on remote server clocks, output are activated
192.168.1.61	LEDI NET 150808	Normal behaviour, current clock is locked on remote server clocks, output are activated

Note: Each tab must have a different name.



5.2. MONITORING LIST VIEW

There are four types for the monitoring list view, 'Large Icon', 'Small Icon', 'List' and 'Detail'. (Refer to SETTINGS, 'View'.)

Every product in the monitoring list view shows a tool tip when you leave your mouse cursor on it for a few seconds (on the Address IP column, if the view kind is 'Detail'). The tool tip displays the data of the model and the state of the product.

Paris New York Beijing Lyon			
IP Address	Model	State	
192.168.1.27	LEDI Network TS	The device is now externally synchronized	
View 192.168.1.26	LEDI Network ITS v2	The device is now externally synchronized	
Viii 192.168.0.138	LEDI Network ITS v2	The device is now externally synchronized	
192.168.1.182	LEDI Network ITS v2	The device is now externally synchronized	
19 LEDI Network ITS v2 The device is now externally synchronized		The device is now externally synchronized	
192.168.1.121	LEDI Network ITS v2	Input 2 is synch again	

In the 'Detail' view, the columns in the monitoring list display the data for each product as follows:

Paria New York Beijing Lyon					
IP Address	Model	State	MAC Address	Trap's Number	
0 192.168.1.27	LEDI Network TS	The device is now externally synchronized	00:40:9D:7B:67:5C	In Active Mode	
View 192.168.1.26	LEDI Network ITS v2	The device is now externally synchronized	00:40:9D:6F:A1:1A	In Active Mode	
View 192.168.0.138	LEDI Network ITS v2	The device is now externally synchronized	00:40:9D:88:83:C5	In Active Mode	
View 192.168.1.182	LEDI Network ITS v2	The device is now externally synchronized	00:40:9D:6F:7C:C5	In Active Mode	
07 192.168.0.139	LEDI Network ITS v2	The device is now externally synchronized	00:40:9D:7B:6B:E8	In Active Mode	
0 192.168.1.121	LEDI Network ITS v2	Input 2 is synch again	00:40:9D:6F:7E:EA	In Active Mode	
192.168.1.55	LEDI NET 150809	Normal behaviour, current clock is locked on remote server clocks, output are activated	00:40:9D:79:62:57	In Active Mode	

- The 'IP Address' column shows the IP address of the product on the network, it's the identity of the product in the 'ACTIVE' mode.
- The 'Product's model' column shows the model of the product and his serial number (GORGY TIMING products only).
- The 'Product's state' column shows the description of the product. In the 'PASSIVE' mode, the language display is the same as the language of the interface, but in the 'ACTIVE' mode, the description has only English display.

- The 'MAC Address' column shows the physical address of the product, it's the identity of the product in the 'PASSIVE' mode.
- The 'Trap's Number' column shows the last identity of the alarm message. In the 'AC-TIVE' mode, this column is disabled.

You can arrange the products according to the different fields by clicking on the name of the column in the 'Detail' view.

For each product in the monitoring list view, a menu is available. You can right-click over the selected product(s).

IP Address	Model		State	
7 192.168.1.27 LEDI Netv		work TS	The device is not	
192.168.1.26	LEDI Net	work ITS v2	The device is no	
192 Refresh Remove		rork ITS v2	The device is not	
7 192 Add		rork ITS v2	The device is not	
192 Properties		ork ITS v2	The device is not	
Analyze Configurat	ion	rork ITS v2	Input 2 is synch a	
192.168.1.55	LEDI NET	Г 150809	Normal behaviou are activated	



- 'Refresh' allows to immediately refresh the state of all the products in the list.
- 'Remove' allows to delete the product(s) from the list.
- 'Add' allows to open the 'Management Monitoring List' window.
- 'Property' allows to open the 'Property' window (refer to PROPERTY).
- 'Analyze' allows to open the 'GT Analyze' program with the selected product as parameter (refer to GT ANALYZE).
- 'Configuration' allows to open the 'GT Configuration' program with the selected product as parameter (only in the 'ACTIVE' mode) (refer to GT CONFIGURATION).



IP Address	Model		State
192.168.1.27	LEDI Network TS		The device is now externally synchronized
192.168.1.26	Refresh	'-' ²	The device is now externally synchronized
7 192.168.0.13	Remove	2	The device is now externally synchronized
192.168.1.18	Add	12	The device is now externally synchronized
	Flopenies		
07 192.168.0.13	Analyze	2	The device is now externally synchronized
Ora 192.168.1.12	Configuration	2	Input 2 is synch again

The software allows to read directly the data that were stored for each product by the SNMP MIB (Management Information Base).

The data of the selected product are displayed in the 'Property' window by double clicking on the product in the monitoring list view. You can also open the window for the selected product by the menu of the product, via 'Property'. The IP address of the product is displayed in the title of the window.

Noperties 192.168.1.121

Name	Value	
IP	192.168.1.121	
Header	GT LEDI Network ITS 2	
VersionNumber	2.00 release 16.42	
SerialNumber	159051	
TimeBaseVersion	v5	
MACAddress	00:40:9D:6F:7E:EA	
MessageString	The hardware is synchronized on its time reference	
ResetInfo	Unknown	
Failure	0	
CurrentHardwareDate	23/03/2016 - 10:56:52 (loc)	
CurrentState	Server synchronized	
CurrentSyncState	GPS + GLONASS	
TimeBaseState	OCXO Precision < 1usec	
SyncLostDuration	0	
ExternallySynchronized	1	
Autonomous	0	
Autonomy	Not in autonomous mode	
Reserved1	Not available	
StratumLevel	1	
LeapIndicatorValue	0	
NtpRequestsNumber	57	
RejectedRequestsNumber	0	
AuthentificationPolicy	Accept all NTP Client Requests	
MD5AuthentificationKeys	No MD5 Key used	
NtpClientAccessList	Not available	
Reserved2		
Auto Refresh Refresh	Ok SNMP V1 -	

- ► The 'Name' column shows the name of the stored variable.
- ► The 'Value' column shows the value of the stored variable.

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Every item in the 'property' list shows tool tips when you leave your mouse cursor on it for a few seconds. The tool tips displays the description of the variable.

- ▶ The 'Refresh' button allows to reread the data from the product.
- ▶ The 'Ok' button allows to close the windows.
- You can check the checkbox 'Auto Refresh' for the program to automatically and periodically reread the product data on the network. The interval of the reread is the same as the value interval of the 'ACTIVE' mode that is set in the 'Options' window.
- The pull-down menu is for changing the SNMP protocol version that is used to communicate between the software and the products.

Refresh	Ok	SNMP V1	-
		SNMP V1	
		SNMP V2c	
		SNMP V3	