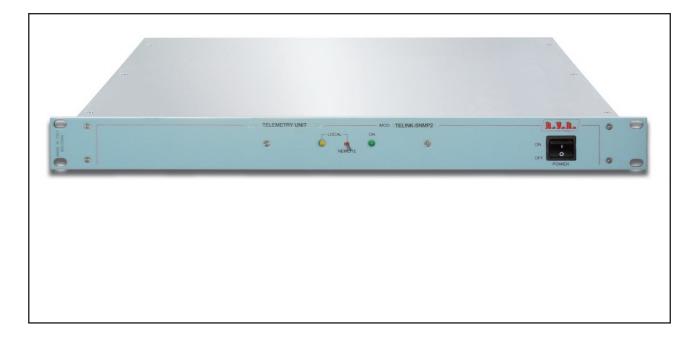
TELINK-SNMP2



User Manual Volume 1



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TELINK-SNMP2 - User Manual Version 1.1

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IMPORTANT



The symbol of lightning inside a triangle placed on the product, evidences the operations for which is necessary gave it full attention to avoid risk of electric shocks.

The symbol of exclamation mark inside a triangle placed on the product, informs the user about the presence of instructions inside the manual that accompanies the equipment, important for the efficacy and the maintenance (repairs).

1. Preliminary Instructions

General foreword

The equipment in object is to considering for uses, installation and maintenance from "trained" or "qualified" staff, they conscious of the risks connected to operate on electronic and electrical circuits electrical.

The "trained" definition means staff with technical knowledge about the use of the equipment and with responsibility regarding the own safety and the other not qualified staff safety place under his directed surveillance in case of works on the equipment.

The "qualified" definition means staff with instruction and experience about the use of the equipment and with responsibility regarding the own safety and the other not qualified staff safety place under his directed surveillance in case of works on the equipment.

WARNING: The machine can be equipped with an ON/OFF switch which could not remove completely voltages inside the machine. It is necessary to have disconnected the feeding cord, or to have switched off the control panel, before to execute technical operations, making sure himself that the safety connection to ground is connected.

The technical interventions that expect the equipment inspection with circuits under voltage must be carry out from trained and qualified staff in presence of a second trained person that it is ready to intervene removing voltage in case of need.

R.V.R. Elettronica SpA doesn't assume responsibility for injury or damage resulting from improper procedures or practices by untrained/unqualified personnel in the handling of this unit.

WARNING: The equipment is not water resistant and an infiltration could seriously compromise its correct operation. In order to prevent fires or electric shocks, do not expose the equipment to rain, infiltrations or humidity.

Please observe all local codes and fire protection standards during installation and use of this unit.

WARNING: The equipment has to its inside exposed parts to risk of electric shock, always disconnect power before opening covers or removing any part of this unit.

Fissures and holes are supplied for the ventilation in order to assure a reliable efficacy of the product that for protect itself from excessive heating, these fissures do not have to be obstructed or to be covered. The fissures doesn't be obstructed in no case. The product must not be incorporated in a rack, unless it is supplied with a suitable ventilation or that the manufacturer's instructions are been followed.

WIRING: This equipment can irradiate radio frequency energyand if it's not installed following the instructions contained in the manual and local regulations it could generate interferences in radio communications.

WIRING: This device has a connection to ground on the power cord and on the chassis. Check that they are correctly connected.

Operate with this device in a residential ambient can cause radio disturbs; in this case, it can be demanded to the user to take adequate measures.

Specifications and informations contained in this manual are furnished for information only, and are subject to change at any time without notice, and should not be construed as a commitment by **R.V.R. Elettronica SpA**.

The **R.V.R. Elettronica SpA** assumes no responsability or liability for any errors or inaccuracies that may appear in this manual, including the products and software described in it;and it reserves the right to modify the design and/or the technical specifications of the product and this manual without notice.

• Warning regarding the use designated and the use limitations of the product.

This product is an transmitter radio indicated for the audio broadcasting service in frequency modulation. It uses working frequencies that are not harmonized in the states of designated user.

The user of this product must obtain from the Authority for spectrum management in the state of designated user the appropriate authorization to use the radio spectrum, before putting in exercise this equipment.

The working frequency, the transmitter power, let alone other specifications of the transmission system are subject to limitation and definited in the authorization obtained.

2. Warranty

R.V.R. Electronics S.P.A. guarantees absence of manufacturing defect and the good operation for the products, within the provided terms and conditions.

Please read the terms carefully, because the purchase of the product or acceptance of order confirmation, constitutes acceptance of the terms and conditions.

For the last legal terms and conditions, please visit our web site (WWW.RVR.IT) wich may also be changed, removed or updated for any reason without prior notice.

Warranty will be void in cases of opened products, physical damage, misuse, modification, repair by unauthorised persons, carelessness and using the product for other purpose than its intended use.

In case of defect, proceed like described in the following:

1 Contact the dealer or distributor where you purchased the unit. Describe the problem and, so that a possible easy solution can be detected.

Dealers and Distributors are supplied with all the information about problems that may occur and usually they can repair the unit quicker than what the manufacturer could do. Very often installing errors are discovered by dealers.

- 2 If your dealer cannot help you, contact R.V.R. Elettronica and explain the problem. If it is decided to return the unit to the factory, R.V.R. Elettronica will mail you a regular authorization with all the necessary instructions to send back the goods;
- 3 When you receive the authorization, you can return the unit. Pack it carefully for the shipment, preferably using the original packing and seal the package perfectly. The customer always assumes the risks of loss (i.e.,

R.V.R. is never responsible for damage or loss), until the package reaches R.V.R. premises. For this reason, we suggest you to insure the goods for the whole value. Shipment must be effected C.I.F. (PREPAID) to the address specified by R.V.R.'s service manager on the authorization



DO NOT RETURN UNITS WITHOUT OUR AUTHORIZATION AS THEY WILL BE REFUSED

4 Be sure to enclose a written technical report where mention all the problems found and a copy of your original invoice establishing the starting date of the warranty.

Replacement and warranty parts may be ordered from the following address. Be sure to include the equipment model and serial number as well as part description and part number.



R.V.R. Elettronica SpA Via del Fonditore, 2/2c 40138 BOLOGNA ITALY Tel. +39 051 6010506

3. First Aid

The personnel employed in the installation, use and maintenance of the device, shall be familiar with theory and practice of first aid.

3.1 Treatment of electrical shocks

3.1.1 If the victim is not responsive

Follow the A-B-C's of basic life support.

- Place victim flat on his backon a hard surface.
- Open airway: lift up neck, push forehead back (Figure 1).

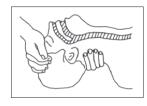


Figure 1

- clear out mouth if necessary and observe for breathing
- if not breathing, begin artificial breathing (Figure 2): tilt head, pinch nostrils, make airtight seal, four quick full breaths. Remember mouth to mouth resuscitation must be commenced as soon as possible.



Figure 2

 Check carotid pulse (Figure 3); if pulse is absent, begin artificial circulation (Figure 4) depressing sternum (Figure 5).





Figure 3

Figure 4



Figure 5

- In case of only one rescuer, 15 compressions alternated to two breaths.
- If there are two rescuers, the rythm shall be of one brath each 5 compressions.
- Do not interrupt the rythm of compressions when the second person is giving breath.
- Call for medical assistance as soon as possible.

3.1.2 If victim is responsive

- Keep them warm.
- Keep them as quiet as possible.
- Loosen their clothing (a reclining position is recommended).
- Call for medical help as soon as possible.

3.2 Treatment of electrical Burns

3.2.1 Extensive burned and broken skin

- Cover area with clean sheet or cloth
 - Do not break blisters, remove tissue, remove adhered particles of clothing, or apply any salve or ointment.
 - Treat victim for shock as required.
 - Arrange transportation to a hospital as quickly as possible.
 - If arms or legs are affected keep them elevated.

If medical help will not be available within an hour and the victim is conscious and not vomiting, give him a weak solution of salt and soda: 1 level teaspoonful of salt and 1/2 level teaspoonful of baking soda to each quart of water (neither hot or cold).

Allow victim to sip slowly about 4 ounces (half a glass) over a period of 15 minutes.

Discontinue fluid if vomiting occurs.

DO NOT give alcohol.

3.2.2 Less severe burns

- Apply cool (not ice cold) compresses using the cleansed available cloth article.
- Do not break blisters, remove tissue, remove adhered particles of clothing, or apply salve or ointment.
- Apply clean dry dressing if necessary.
- Treat victim for shock as required.
- Arrange transportation to a hospital as quickly as possible.
- If arms or legs are affected keep them elevated.





4. Unpacking

The package contains:

- 1 TELINK-SNMP2
- 1 User Manual
- 1 Mains Power Cable

The following accessories are also available from Your R.V.R. Dealer:

Accessories, spare parts and cables

4.1 General Description



Note : The equipment is set to a specific configuration. The change of configuration is possible only by RVR or expert technical staff recommended by RVR.

The **TELINK-SNMP2**, manufactured by **R.V.R. Elettronica SpA**, is an **SNMP telemetry interface** via LAN that can be connected to all standard equipment manufactured by RVR.

The **TELINK-SNMP2** have been designed for installation in a 1HE box for 19" rack.

Two major features of **TELINK-SNMP2** are compact design and user-friendliness. Design is based on a modular concept: the different functions are performed by modules that, for the most part, are connected through male and female connectors or through flat cables terminated by connectors. This design facilitates maintenance and module replacement.

It also include a Web Server and SNMP agent that allows to be connected in ethernet network and to be explored by a WEB and MIB browser.

The **TELINK-SNMP2** can be connected to the internet through the utilization of special devices properly configured. By default, the device has the 192.168.0.244 like IP address.

The power supply is galvanically isolated and the signals are filtered to have an high immunity to RF disturbances.

Two LEDs on the front panel provide the following status indications: **ON**, **LOCAL**. On front panel is placed also the modality selector for remote or local control (REMOTE).

In rear panel there are ten led to a complete synoptic on the serial line traffic and diagnosis on error type.

TELINK-SNMP2 is equipped with watchdog hardware to reset the equipment automatically in case of abnormal stop of processor or in case of lowering below the threshold about power supply voltage.



5. Installation and configuration procedure

This section provides a step-by-step description of equipment installation and configuration procedure. Follow these procedures closely upon first power-on and each time any change is made to general configuration, such as when a new transmission station is added or the equipment is replaced.

Once the desired configuration has been set up, no more settings are required for normal operation; at each power-up (even after an accidental shutdown), the equipment defaults to the parameters set during the initial configuration procedure.

The topics covered in this section are discussed at greater length in the next sections, with detailed descriptions of all hardware and firmware features and capabilities. Please see the relevant sections for additional details.

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IMPORTANT: when configuring and testing the transmitter in which this telemetry unit is integrated, be sure to have the Final Test Table supplied with the equipment ready at hand throughout the whole procedure; the Final Test Table lists all operating parameters as set and tested at the factory.

Note : all cases shown below are referred to **TELINK-SNMP2** connects to a **TEX-LCD** made by RVR.

5.1 Preparation

5.1.1 Preliminary checks

Unpack the exciter and immediately inspect it for transport damage. Ensure that all connectors are in perfect condition.

Provide for the following (applicable to operating tests and putting into service):

- $\sqrt{}$ Mains power supply, 230 VAC (-15% / +10%), with adequate earth connection.
- $\sqrt{}$ Connection cable kit request (**not included**):
- Telemetry signal cable;
- Ethernet cable (cable with RJ45 connector) for connection to ADSL router or LAN network.



5.1.2 Connections

1) Connect the **Remote** output of transmitter to the **I2C** input of the **TELINK-SNMP2** interface, through the telemetry signal cable.

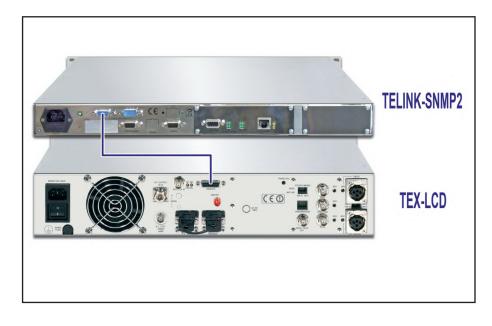


Figure 5.1

- 2) Connect the **ETHERNET** output of **TELINK-SNMP2** interface to the appropriate input of your ADSL router or LAN network. If the connecting device is different, identify an equivalent.
- 3) Connect the mains cable to the relevant **MAINS** connector on **TELINK-SNMP2** interface.



5.2 First Power-On and Set-Up

Perform this procedure upon first power-up and each time you make changes to the configuration this component is integrated into.

5.2.1 Web User Interface (WUI)

Once all connections previously described are performed, the equipment is ready for commissioning.

The **WUI** (Web User Interface) allows you to adjust, modify or display the configuration variables such as IP, netmask and gateway address. Follow the procedure below to open the **WUI**:

1) Open your web browser on your PC, and connect to *http://192.168.0.244* address to connect to the **WUI** (if LAN IP address was previously modified, it is necessary to use the new one). At this point the following page opens.

By factory the RVR uses the following adjustments:

•	IP address:	192.168.0.244
•	Netmask address:	255.255.255.0
•	Gateway address:	192.168.0.1
•	Dns 1:	192.168.0.250

• Dns 2: **192.168.0.250**

Menu selection	Company Information:
Maintenance:	RVR Elettronica broadcasting equipment since 1979 RVR Elettronica was founded in 1979 to manufacture Telecommunication and F.M. Broadcast equipment.
Measure Alarm List Password	During these years RVR Electronica has formed an established group of companies composed of more than 200 professional figures, consolidating its leader position in the PM worldwide market.
Administration:	The name of RVR has become synonymous of tradition, innovation, quality and reliability.
General Command	RVR is constantly engaged in guaranteeing the complete satisfaction of its customers.
Alarm Delete Password	In order to reach this target, RVR can count on a detailed sales organization supported by a qualified technical team.
Network Snmp	Besides RVR has a complete and innovative product range that allows advanced and customized production.
Upgrade	RVR uses an efficient quality control system to guarantee reliable products, and supports its customers with technical and commercial activities and training courses through its efficient after-sales service.
Jsermane admin	To learn more about our complete line of broadcast equipment, visit the internet site.
Password	Web Interface Tested with:



TF

Note : If address **http://192.168.0.244** does not work, check and set IP address as **192.168.0.XXX** (where XXX is a figure between 0 and 255, excluding 244 that is **TELINK-SNMP2** interface default address). To change the IP address, follow the instructions in the manual or in the online guide and technical help, specific for the Operating System you use.

 If you have changed the access mode, enter the User Name and Password previously saved. Enter your credentials to log on as administrator, or maintenance, and then click OK on the item.





Note : The username to login as a maintenance is username: **user** and password: **user**, while the user name to login as administrator is username: **admin** and password: **admin**.

The user names are not modifiable by the user.



Note : Login as maintenance enables only readings inside the WUI.

- 3) Modify the parameters in accordance with the own needs.
- 4) Now interface is ready to remotely read data and modify the various settings of the equipment.

5.3 Management Software

1) After access is made, the **Main menu** (main page) opens and shows possible viewing options. This picture shows the **Main menu** after access:

Menu selection	Company Information:	
Maintenance: Info	RVR Electronica broadcasting equipment since 1979 RVR Electronica was founded in 1979 to manufacture Telecommunication and F.M. Broadcast equipment.	
Measure Alarm List Password	During these years RVR Elettronica has formed an established group of companies composed of more than 200 professional figures, consolidating its leader position in the RVM worldwide market.	
Administration:	The name of RVR has become synonymous of tradition, innovation, quality and reliability.	
General Command	RVR is constantly engaged in guaranteeing the complete satisfaction of its customers.	
Alarm Delete Password	In order to reach this target, RVR can count on a detailed sales organization supported by a qualified technical team.	
Network Snmp	Besides RVR has a complete and innovative product range that allows advanced and customized production.	
Upgrade	RVR uses an efficient quality control system to guarantee reliable products, and supports its customers with technical and commercial activities and training courses through its efficient after-asies service.	
Jsermane admin	To learn more about our complete line of broadcast equipment, visit the internet site.	
Password	Web Interface Tested with:	

Menu 1

To enter in one of the sub-menus, select the name and then click on item to enter.

To go back to **MAIN menu**, just click on logo at top left of all sub-menus.

The page that appears is divided into three frames:

- Title: it has the logo and an identification of the current page displayed. It is located on the top of the page.
 If you still want return to the Main Menu, simply click on the logo sited in all the submenus on top left.
- Navigation menu: it allows you to select the page to display.
 To enter into a submenu, select the name and then click on the item to enter.
- 3) **Body**: area where the page displays information about the selected menu.
- 4) Password: area where you can login.



5.3.1 Info Menu - Maintenance

Values found here are "live readings", and as such they can not be modified. To change the settings, use the **General** menu.

This page shows the user the data of **TELINK-SNMP2** interface:

Menu selection	Web Sofware Release:	OATK-000124	
Maintenance: Info Measure	Web Sofware Date:	12/11/2013	
Alarm List	Device Date:	20/11/13	
Password	Device Time:	17:12	
Administration:	Local Date:	20/11/13	
General Command Alarm Delete	Local Time:	17:12	
Password	Station Location:	123456789012345	
Network Snmp	Station Name:	123456789012345	
Upgrade	Station Description:	123456789012345	
.ogin Allowed:			
Administrators			
ogged in the system Velcome admin			

Menu 2

- Web Software Release Shows the release of WEB firmware.
- Web Software Date Shows the issue date of WEB firmware.
- Device Date Shows the day stored on the equipment (dd/MM/yyyy).
- Device Time Shows the time stored on the equipment (hh:mm).
- Local Date Shows the day stored in your browser/PC (dd/MM/yyyy).
- Local Time Shows the time stored in your browser/PC (hh:mm).
- Station Location Shows the location of transmitting station.
- Station Name Shows the ID name of transmitting station.
- Station Description Shows the additional information about transmitting station.



5.3.2 Measure Menu - Maintenance

Values found here are "live readings", and as such they can not be modified. To change power setting use the **Command** menu.

The upper part allows you to enable or disable the Auto-refresh by clicking on the relevant box.

With Auto-refresh enabled the measures are taken every 3 seconds ("Get Data ..") and gave available in a legible form by the current page ("Ready").

With Auto-refresh disabled the measures are frozen ("Stopped") at the time when you uncheck the box and gave available in a legible form by the current page.

This page shows the user the data of the exciter connected to the **TELINK-SNMP2** interface:

	 Auto Refresh 	Readyl	
Menu selection	REMOTE	Present	
Maintenance:	Forward Power	21 W	
Info Measure	Reflected Power	0 W	
Alarm List	Temperature	27 C	
Password	Vpa	29 V	
	Ipa	2 A	
Administration: General	Freq.	108 MHz	
Command	Mod.	0 KHz	
Alarm Delete	PLL Lock	Present	
Password	Audio Alarm	Present	
Network Snmp	PowerGood	Present	
Upgrade	Foldback	Absent	
	Ext R.F. Mute	Absent	
	Ack ON	Absent	
Login Allowed:	Ack OFF	Present	
Administrators	CMD ON	Not Allowed	
logged in the system Welcome admin	CMD OFF	Not Allowed	
welcome aurilin			

Menu 3

REMOTE

Shows the status of remote control.

Forward Power

Shows exciter forward power.

Reflected Power

Shows exciter reflected power.

Temperature

Shows equipment internal temperature reading.

Vpa

Shows exciter amplifier module voltage.

Ipa

Shows exciter amplifier module current.

Freq.

Shows operating frequency of exciter.

Mod.

Shows exciter modulation.

TELINK-SNMP2



PLL
Shows the lock status at frequency set by PLL.
Audio Alarm Shows the status of an impasse due to excessive SWR.
Power Good Shows the status of power good.
Foldback Shows the triggered status of the foldback function (automatic reduction of output power).
Ext R.F. Mute Shows the status of power inhibition by an interlock signal.
Ack ON Shows the power on status of the exciter.
Ack OFF Shows the power off status of the exciter.
CMD ON Not allowed.
CMD OFF Not allowed.



5.3.3 Alarm List - Maintenance

Values found here are "live readings", and as such they can not be modified. To change alarms settings, use the **Alarm Delete** menu.

Within this menu you can display all alarms saved by the system: any new event will automatically delete the older ones.

This page shows the user the alarms of the exciter connected to the **TELINK-SNMP2** interface:

	Readyl
Menu selection	VALUE DATE TIME TYPE NAME 0=20-Nov-2013_17:11 - Type 000 "Forward Power"
Maintenance:	1=20-Nov-2013 17:13 - Type 000 "Forward Power"
Info	2=20-Nov-2013 17:15 - Type 000 "Forward Power"
Measure	3=20-Nov-2013 17:17 - Type 000 "Forward Power"
Alarm List	4=20-Nov-2013 17:19 - Type 000 "Forward Power"
Password	5=20-Nov-2013 16:41 - Type 000 "Forward Power"
	6=20-Nov-2013 16:43 - Type 000 "Forward Power"
Administration:	7=20-Nov-2013 16:45 - Type 000 "Forward Power"
General	8=20-Nov-2013 16:47 - Type 000 "Forward Power"
Command	9=20-Nov-2013 16:49 - Type 000 "Forward Power"
Alarm Delete	10=20-Nov-2013 16:51 - Type 000 "Forward Power"
Password	11=20-Nov-2013 16:53 - Type 000 "Forward Power"
Network	12=20-Nov-2013 16:55 - Type 000 "Forward Power"
Snmp	13=20-Nov-2013 16:57 - Type 000 "Forward Power"
Upgrade	14=20-Nov-2013 16:59 - Type 000 "Forward Power"
	15=20-Nov-2013 17:01 - Type 000 "Forward Power"
	16=20-Nov-2013 17:03 - Type 000 "Forward Power"
.ogin Allowed:	17=20-Nov-2013_17:05 - Type 000 "Forward Power"
Administrators	18=20-Nov-2013_17:07 - Type 000 "Forward Power"
A CONTRACTOR OF A CONTRACTOR OF A	19=20-Nov-2013_17:09 - Type 000 "Forward Power"
ogged in the system	
Welcome admin	

Menu 4

Value

Shows progressive number for event recording.

Date

Shows the day event was recorded (dd/MM/yyyy).

Time

Shows event recording time (hh:mm).

Type

Shows the alarm code.

Name

Shows the description for the error that led to event recording.



5.3.4 Password - Maintenance

This page allows the configuration of login as a maintenance of **TELINK-SNMP2** interface via WUI.

Please note that the User Name (user) can not be changed.

Menu selection			
Maintenance:			
Info			
Measure			
Alarm List			
Password	User Password:	Change	
Administration:		Erase	
General		L1036	
Command			
Alarm Delete			
Password			
Network			
Snmp			
Upgrade			
Login Allowed:			
Guest User			
Contraction States			
logged in the system			
Welcome user			

Menu 5

Value

Shows and set the password for maintenance user (enables readonly parameter).

The Erase button allows you to delete the password set and restoring the default credentials (the username to login as a maintenance is username: **user** and password: **user**).



5.3.5 General Menu - Administrator



Note : Access to this menu and modification of these parameters are only possible after login with administrator rights.

This page not only shows the user the information about the **TELINK-SNMP2** interface, but also allows setting various parameters.

Following is a description of the items that allow modification of the parameter, with respect to the **Info** menu. Press the buttons to confi rm your choice; if you let timer to time out, the parameter setting will remain as previously set.

Menu selection	Web Sofware Release:	OATK-000124	
Maintenance:	Web Sofware Date:	12/11/2013	
Info	Device Date:	20/11/13	
Measure Alarm List	Device Time:	17:23	NTP Sync.
Password	Local Date:	20/11/13	
	Local Time:	17:23	Loc. Sync.
Administration:	Station Location:	123456789012345	
General Command	New Station Location:		Change Location
Alarm Delete	Station Name:	123456789012345	
Password	New Station Name:		Change Name
Network	Station Description:	123456789012345	
Snmp Upgrade	New Station Descr.:		Change Descrip.
opgrade	NTP Sync. interval:	54321	Ticks (1,33 sec)
	New Sync. interval:	54321	0=Disable 300 min 86400
Login Allowed:	NTP Server Name:	nto1.inrim.it	INGA
Administrators	New NTP Server Name:	ntp1.inrim.it	Set Server
logged in the system			

Menu 6

Device Date/Time

Allows you to align the date and time stored in the equipment with that of browser device, by pressing the **NTP Sync.** button.

Local Date/Time

Allows you to align the date and time stored in the equipment with local Date, by pressing the **Loc. Sync.** button.

New Location Name

Setting of the station location. Write the place's name (maximum of 15 characters) in the box that you want to assign, then press the **Change Location** button to apply the choice.

New Station Name

Setting of the station name. Write the name (maximum of 15 characters) in the box that you want to assign, then press the **Change Name** button to apply the choice.

New Station Description

Setting of the additional information. Write the info (maximum of 15 characters) in the box that you want to assign, then press the **Change Descrip.** button to apply the choice.

New Sync. Interval

Setting of time interval to adjust system clock. Write the number of ticks (one is equivalent to 1,33 seconds) that must elapse between



synchronization from a minimum of 300 to a maximum of 86400 ticks. Set 0 to disable.

New Server Name

Setting of NTP server to adjust system clock. Write the name of NTP server in the box that you want to assign, then press the **Set Server** button to apply the choice.

5.3.6 Command Menu - Administrator

T

Note : Access to this menu and modification of these parameters are only possible after login with administrator rights.

This page not only shows the user the information about the exciter connected to the **TELINK-SNMP2** interface, but also allows setting various parameters.

The upper part allows you to enable or disable the Auto-refresh by clicking on the relevant box.

With Auto-refresh enabled the measures are taken every 3 seconds ("Get Data ..") and gave available in a legible form by the current page ("Ready"). With Auto-refresh disabled the measures are frozen ("Stopped") at the time when you uncheck the box and gave available in a legible form by the current page.

Following is a description of the items that allow modification of the parameter, with respect to the **Measure** menu. Press the buttons to confirm your choice, if you let timer to time out, the parameter setting will remain as previously set.

	Auto Refresh:	Ready!	
Menu selection	REMOTE	Present	
Maintenance:	Forward Power	o w	
Info Measure	Reflected Power	0 W	
Alarm List	Temperature	27 C	
Password	Vpa	29 V	
Administration:	Ipa	0 A	
General General	Freq.	108 MHz	Set
Command Alarm Delete Password	Mod.	0 KHz	
	PLL Lock	Present	
	Audio Alarm	Present	
Network Snmp Upgrade	PowerGood	Absent	
	Foldback	Absent	
	Ext R.F. Mute	Present	
Loain Alowed:	Ack ON	Absent	
Administrators	Ack OFF	Present	
logged in the system	CMD ON	Set	
Welcome admin	CMD OFF	Set	

Menu 7

Freq.

Remote adjustment of exciter frequency. This value, in MHz, can be modified according to one's own band in 0.1 MHz steps. Press **Set** to confirm the value inserted.

CMD ON

Enables (ON) the exciter power output. Press **Set** to change the logical state of the data.



CMD OFF

Disables (OFF) the exciter power output. Press **Set** to change the logical state of the data.

5.3.7 Alarm Delete - Administrator

Note : Access to this menu and modification of these parameters are only possible after login with administrator rights.

Values found here are "live readings", and as such they can not be modified.

Within this menu you can display the last 20 alarms saved by the system: any new event will automatically delete the older ones. Using **Reset** item at bottom right of the menu, you can delete all pending alarms.



Note : The complete list of alarms, not limited to the 20 viewable through **TELINK-SNMP2**, is available by downloading the log file.

This page shows the user the alarms of the exciter connected to the **TELINK-SNMP2** interface:

	Ready!
Menu selection	VALUE DATE TIME TYPE NAME 0=20-Nov-2013 17:52 - Type 000 "Forward Power"
	1=20-Nov-2013_17:54 - Type 000 "Forward Power"
Maintenance:	
Info	2=20-Nov-2013_17:56 - Type 000 "Forward Power" 3=20-Nov-2013 17:58 - Type 000 "Forward Power"
Measure	
Alarm List	4=20-Nov-2013_18:00 - Type 000 "Forward Power"
Password	5=20-Nov-2013_18:02 - Type 000 "Forward Power" 6=20-Nov-2013 18:04 - Type 000 "Forward Power"
Administration:	5=20-Nov-2013_18:04 - Type 000 "Forward Power" 7=20-Nov-2013 18:06 - Type 000 "Forward Power"
	8=20-Nov-2013_18:08 - Type 000 "Forward Power"
General Command	9=20-Nov-2013_18:08 - Type 000 "Forward Power" 9=20-Nov-2013 18:10 - Type 000 "Forward Power"
	10=20-Nov-2013_18:10 - Type 000 "Forward Power"
Alarm Delete Password	11=20-Nov-2013_18:14 - Type 000 "Forward Power"
Network	12=20-Nov-2013_18:16 - Type 000 "Forward Power"
	13=20-Nov-2013_18:18 - Type 000 "Forward Power"
Snmp	14=20-Nov-2013_18:20 - Type 000 "Forward Power"
Upgrade	19=20-Nov-2013_18:20 - Type 000 "Forward Power" 15=20-Nov-2013_17:42 - Type 000 "Forward Power"
	15=20-Nov-2013_17:42 - Type 000 "Forward Power"
Login Allowed:	17=20-Nov-2013_17:46 - Type 000 "Forward Power"
and the second se	17=20-Nov-2013_17:46 - Type 000 "Forward Power" 18=20-Nov-2013_17:48 - Type 000 "Forward Power"
Administrators	19=20-Nov-2013_17:50 - Type 000 "Forward Power"
logged in the system	19-20-00-2013_17:50 - Type 000 Porward Power
Nelcome admin	

Menu 8

Log File

By pressing the **AlmLog.log** highlighted you can download onto your PC, or browser device, the alarm list stored in **TELINK-SNMP2**.

20-Nov-2013_18:18 - Type 000 "Forward Power"; 20-Nov-2013_18:20 - Type 000 "Forward Power"; 20-Nov-2013_18:22 - Type 004 "Mains"; Figure 5.2 - Example of AlmLog.log file

This is a little part of file (log test made during the firmware debug) that you can be download. It shows alarms every 2 minutes.

F



5.3.8 Password - Administrator



Note : Access to this menu and modification of these parameters are only possible after login with administrator rights.

This page allows the configuration of login as a maintenance or administrator of **TELINK-SNMP2** interface via WUI.

Please note that the User Name (user) and Admin name (admin) can not be changed.

Menu selection			
Maintenance:			
Info			
Measure Alarm List			
Alarm List Password	user Password:		
1 GODWOIG	user Password.		Change
Administration:		Default: user user	Erase
General			
Command			
Alarm Delete			
Password			
Network Snmp	admin Password:		1
Upgrade	aumin Password:		Change
oblance		Default: admin admin	Erase
Login Allowed:			
Guest User			
ogged in the system			
Velcome user			

Menu 9

Value

Shows and set the password for maintenance and administrator user (enables read-only parameter).

The **Erase** button allows you to delete the password set and restoring the default credentials (the username to login as a maintenance is username: **user** and password: **user**, while the user name to login as administrator is username: **admin** and password: **admin**).



5.3.9 Network - Administrator



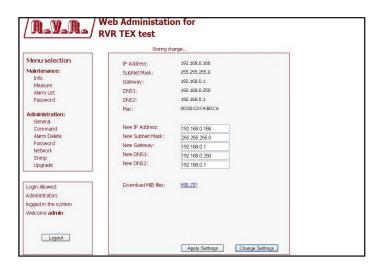
Note : Access to this menu and modification of these parameters are only possible after login with administrator rights.

This page not only shows the user the information about **TELINK-SNMP2** interface network connection, but also allows setting various parameters.

Press the **Change Settings** button then **Apply Settings** button to confirm selection and be redirected to modified IP.

Menu selection Naintenance: Info Messure Alarm List Password Administration: General Command Alarm Delete Password	IP Address: SubNet Mask: Gateway: DNS1: DNS2: Mac: New IP Address: New SubNet Mask: New Sateway:	192,180,186 255,255,0 192,180,0,1 192,180,0,250 192,180,0,1 0050:62:6480:CA 192,180,0,166 255,256,256,0	
Network Snmp Upgrade	New DNS1: New DNS2:	192.168.0.250 192.168.0.1	
Login Allowed: Administrators logged in the system Welcome admin	Download MIB files:	MIB.ZIP	

Menu 10



Menu 11

Note : to make changes within these sub-menus you need to have through technical knowledge of network management. It is recommended to have changes performed by trained or qualifi ed personnel.

IP address

Shows the number that unequivocally identifies, within a single network, the devices connected to an IT network that uses the IP standard (Internet Protocol).



Subnet Mask

Shows the subnet mask, necessary for the computer that must communicate with another IP address to know if it should route packages toward the gateway of its local network or use the address of the receiver local network.

Gateway

Shows gateway address. In simpler networks, there is only one gateway that forwards to the internet network all the outbound traffic. In more complicated networks where many subnets are available, each of them refers to a gateway that will route data traffic towards the other subnets or forward it to other gateways.

DNS1 server

Shows the first DNS server address (Domain Name System); in case the server should change the server hosting a service, or it is necessary to change its IP address, it is enough to change the DNS record, without changing client settings.

DNS2 server

Shows the second DNS server address (Domain Name System); in case the server should change the server hosting a service, or it is necessary to change its IP address, it is enough to change the DNS record, without changing client settings.

MAC Address

Shows the MAC (Media Access Control) address; this address is uniquely assigned to the ethernet network card present on exciter. It can be useful if you want to add in your router, or firewall, a list of MAC addresses of network cards authorized to connect to the network.

New IP address Set the new IP (Internet Protocol) number.

- New Subnet Mask Set the new subnet mask
- New Gateway Set the new gateway address.
- DNS1 server Set the new first DNS server address (Domain Name System).
- DNS2 server

Set the new second DNS server address (Domain Name System).

Download MIB files

By pressing the **MIB.ZIP** highlighted you can download onto your PC, or browser device, the MIB files stored in **TELINK-SNMP2**.

5.3.9 SNMP - Administrator



Note : Access to this menu and modification of these parameters are only possible after login with administrator rights.

This page not only shows the user the information about **TELINK-SNMP2** interface network connection, but also allows setting various parameters.

Press the **Ro Comm. / RW Comm. / Trap Comm. / Trap Dest.** button to change settings, then the relative **Confirm** button to confirm selection.

Menu selection Maintenance:	Read Community: Write Community:	public private	Confirm		
Info	Trap Community:	public			
Measure	Тгар Туре:	1			
Alarm List	Inform Trap retry:	2			
Password	Inform Trap Timeout:	3			
Administration:	Dest. 0 Trap IP, port, ty:	192.168.0.2, 162, 0	Confirm		
General	Dest. 1 Trap IP, port, ty:	192.168.0.247, 162, 2			
Command	Dest. 2 Trap IP, port, ty:	192.168.0.178, 162, 0			
Alarm Delete Password	Dest. 3 Trap IP, port, ty:	192.168.0.26, 162, 0			
Network	Dest. 4 Trap IP, port, ty:	192.168.0.22, 162, 0			
Snmp	Notes: ty 0=disabled, 1=trap, 2=inform				
Upgrade	New Read Community:	public	Ro Comm.		
	New Write Community:	private	RW Comm.		
ain Allowed:	New Trap Community:	public			
dministrators	New Trap Type (0=Trap 1=Infon	m)1	Trap Comm.		
ogged in the system	New Trap Retry (1-255):	2	Trap Comm.		
Velcome admin	New Trap Timeout (1-255):	3			
	New Trap Dest N (0-4):				
	New Trap Dest IP:		True David		
Logout	New Trap Dest Port (1-65535):		Trap Dest.		
	New Trap Dest Ena (0=dis 1=en):				

Menu 12

Read Community

Shows the set string for Read command that allows you to monitor the different variables of the system managed.

Write Community

Shows the set string for Write command that allows you to monitor the different variables of the system managed.

Trap Community

Shows the set string for Trap command that allows you to monitor the different variables of the system managed.

Trap type

Shows the trap type that can be 0 (trap) or 1 (inform).

- Inform Trap type Shows the inform trap retry number.
- Inform Trap Timeout Shows the inform trap retry timeout.

Dest. 0 trap IP , port , Ty

0 trap IP, port, Ty Shows the first trap destinations with the IP, Port and Type of trap to which alarm warning mail messages shall be sent.



- Dest. 1 trap IP , port , Ty Shows the second trap destinations with the IP, Port and Type of trap to which alarm warning mail messages shall be sent.
- Dest. 2 trap IP , port , Ty Shows the third trap destinations with the IP, Port and Type of trap to which alarm warning mail messages shall be sent.
- Dest. 3 trap IP, port, Ty Shows the fourth trap destinations with the IP, Port and Type of trap to which alarm warning mail messages shall be sent.
- Dest. 4 trap IP , port , Ty Shows the fifth trap destinations with the IP, Port and Type of trap to which alarm warning mail messages shall be sent.
- New Read Community Set the string for Read command.
- New Write Community Set the string for Write command.
- New Trap Community Set the string for Trap command.
- New Trap type Set the new Trap type (0 for Trap or 1 for Inform). This set is valid for all trap.
- New Inform Trap type Setting of inform trap retry number. Write the number of retry from a minimum of 1 to a maximum of 255 times.
- New Inform Trap Timeout

Setting of inform trap retry timeout. Write the number of retry from a minimum of 1 to a maximum of 255 times.

- New Trap Dest N Setting of Trap destination number. Write the number of trap destination from a minimum of 0 to a maximum of 5.
- New Trap Dest IP

Set the identification number of the IP address set to send the TRAP signaling. It must be in dotted format XXX.XXX.XXX.XXX (ie: 192.168.0.5)

New Trap Dest Port

Set the port number set by the TCP transmission protocol for the TRAP signaling that configures the agent to send a special message to the occurrence of certain events. Usually it is set to 162.

New Trap Dest Ena

Set the trap destination enabling (0 for Disabled or 1 for Enabled).



5.3.10 Upgrade - Administrator

This page allows the user to update the **TELINK-SNMP2** interface.

Press the **Send** button to confirm the upgrade; press the **Cancel** button, the parameter setting will remain as previously set.

Menu selection	Application Upgrade File Upload	
Maintenance:		
Info	Scegli file Nessun file selezionato	
Measure		
Alarm List	Send Cancel	
Password		
Administration:		
General		
Command		
Alarm Delete		
Password		
Network		
Snmp		
Upgrade		
.ogin Allowed:	1	
Idministrators		
ogged in the system		
Nelcome admin		

Menu 13

Browse

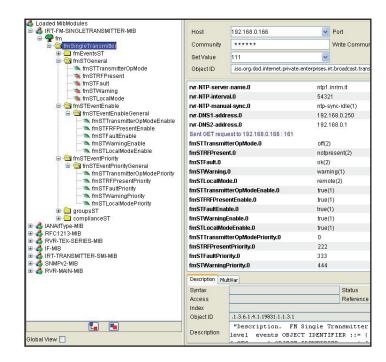
Allows to types the full pathname directly into the input box or you can search the update file by "Browse" capability. Once you find it, Press **Send** to upgrade the **TELINK-SNMP2**.



Important: do not update with file not certified by RVR Elettronica.

5.4 SNMP Telemetry

The SNMP interface is based on IRT-FM-Single-Transmitter-MIB and the tree follows.



Menu 14



Note : there is a specific MIB depending on the configuration of the station.

In the IRT MIB you can power on or off the transmitter, view the state of some parameters like TransmitterOPMode (this is the only state able to write), RFPresent, Fault state that in the TEX correspond to Unlock state of the PLL, Warning state that in the TEX correspond to Audio Alarm status and the Local or Remote status.

In addendum at the IRT MIB there is also an RVR-MAIN-MIB to manage the interface information and mib2 that contain system Name and Location.





C C RVR-MPIN-MID		
enterprises	Host 192.168.0.166	Port 161
	Community *****	Write Community *****
Update OID	Set Value 2	~
	Object ID .iso.org.dod.internet.private.enterprises	rus-elettropica interface-info
Network parameter	objectio associatemeconitemeconitemeterentemprose	A W Resct of Ical Internacements
em-reset	Sent GET request to 192.168.0.166 : 161	
😑 🚭 nr-trap-setup	ip-address.0	192.168.0.166
rvr-interface-trap-destinati	netmask.0	255.255.255.0
w-interface-trap-dest-i at	ip-gateway.0	192.168.0.1
wr-trap-process-restart	mac-address.0	00:50:C2:C4:B0:CA
🔍 rvr-trap-type	apply-changes.0	2
······································	interface-system-re Update OID	business-as-usual(1)
rvr-inform-timeout	rvr-trap-destination	192.168.0.2
wr-agent-setup	rvr-trap-destination Trap param	192.168.0.247
wr-agent-rw-community	rvr-trap destination	192.168.0.178
Update OID	n-trap-destination-ip.4	192.168.0.26
	rvr-trap-destination-ip.5	192.168.0.22
	rvr-trap-destination-port.1	162
Agent	rvr-trap-destination-port.2	162
wr-RTC-month	rvr-trap-destination-port.3	162
vr-RTC-year	rvr-trap-destination-port.4	162
nr-RTC-minutes	rvr-trap-destination-port.5	162
wr-RTC-seconds	rvr-interface-trap-destination-enable.1	disabled(1)
-rvr-alarm-list	rvr-interface-trap-destination-enable.2	enabled(2)
⊟ G nvr-NTP-setup ™ nvr-NTP-server-name	rvr-interface-trap-destination-enable.3	disabled(1)
wr-NTP-interval	rvr-interface-trap-destination-enable.4	disabled(1)
pr.NTP.manual.sonc	rvr-interface-trap-destination-enable.5	disabled(1)
Force NTP	rvr-trap-community.0	public
nvr-DNS1-address rvr-DNS2-address	rvr-trap-process-restart.0	idle(1)
sync. call	rvr-trap-type.0	v2-inform(2)
🖶 🔄 company-info	rvr-inform-retries.0	2
- 🐄 company-name	rvr-inform-timeout.0	3
- % company-address-1	rvr-agent-ro-community.0	public
company-address-2	rvr-agent-rw-community.0	private
- '% company-fax-number	rvr-agent-restart.0	rvr-agent-operative(1)
👒 company-sales-email	rvr-RTC-is-present.0	is-not-present(1)
- % company-support-email	Description of the	
- 🦄 company-contact-name - 🥱 company-contact-email	Description MultiVar	
- % comment	Syntax	Status
🗷 🛄 equipment	Access	Reference
Tc TEXTUAL CONVENTIONS	Index	
× · · · · · · · · · · · · · · · · · · ·	Object ID .1.3.6.1.4.1.13963.1	
	Description	
Global Maw		

Menu 15 - Interface-Info tree and subtree

You can change IP data, NTP data, trap data like via web interface.

Like in WEB interface to enable the new data need to send:

- 1) OID apply-change to update the IP information of the Ethernet interface.
- 2) OID rvr-trtap-process-restart to update the trap information changed.
- 3) OID **rvr-agent-restart** to update the community information changed.

You can also send a NTP synchronization request using the **OID rvr-NTP-manual-sync**.

rvr-DNS1-address	company-address-2.0	40138
 mr-DNS2-address company-info company-info company-address-1 company-address-2 company-phone-number company-sles-email company-sles-email company-suport-email 	company-phone-number.0	+39 05
	company-fax-number.0	+39 05
	company-sales-email.0	info@rv
	company-support-email.0	custom
	company-contact-name.0	Tecnica
	company-contact-email.0	softwar
	comment.0	Telink S
	Description MultiVar	
company-contact-email	Syntax Access	
🗈 🛄 equipment	Index	

Menu 16 - Information/Company-info tree



	System Name	
SNMPV2-MIE	and Location	
B- mgmt	nyr-DNS2-address.u	192.168.0.1
🖻 🔁 mib-2	Sent GET request to 192, 68.0.166 : 161	
■ ⊡ system	sysDescr.0	Linux (none) 2.6.13-antage 6 CEST 2009 armv4ti
'% sysObjectID '% sysUpTime	sysObjectID.0	.iso.org.dod.internet.private
sysContact	sysUpTime.0	1 day, 0 hours, 23 minutes,
🛰 sysName 🚽	sysContact.0	software@rvr.it
sysLocation	sysName.0 🖡	123456789012345
👒 sysServices 👒 sysORLastChan	sysLocation.0	123456789012345
B sysORTable	sysORLastChange.0	0 hours, 0 minutes, 4 seco
🗟 🦲 snmp	sysORID.1	.iso.org.dod.internet.snmp\
🗟 🛄 snmpV2	sysORID.2	.iso.org.dod.internet.snmp\
8-💰 RVR-MAIN-MIB	sysORDescr.1	The MIB module for SNMPv
	sysORDescr.2	View-based Access Contro
	sysORUpTime.1	0 hours, 0 minutes, 3 seco
	sysORUpTime.2	0 hours, 0 minutes, 4 seco
	Sent GET request to 192.168.0.166 : 161	

Menu 17 - MIB2/System tree

	Type	Source	Date	Message	
	v2c Inform	192.168.0.166	Fri Nov 22 12:02:44 CET 2013	iso.org.dod.internet.mgmt.mib-2.system.s	
	v2c Inform	192.168.0.166	Fri Nov 22 12:03:37 CET 2013	iso.org.dod.internet.mgmt.mlb-2.system.s	
	v2c Inform	192.168.0.166	Fri Nov 22 12:04:25 CET 2013	iso.org.dod.internet.mgmt.mib-2.system.s	ysUpTime.0: TimeTicks: 1 d
✓ Authen	ticate v1/v2c traps (C	ommunity)			
✓ Authen	ticate v1/v2c traps (C ticate v3 Trap				
		ommunity	TrapList	162 public	×
🗸 Authen	ticate v3 Trap		TrapList TrapParse		×.
☑] Authen ort	ticate v3 Trap	162			Delete Entry

Menu 18 - Trap receiving

TimeStamp	1 day, 0 hours, 28 minutes, 39 seconds.
Enterprise	
Generic Type	
Specific Type	
Message	.iso.org.dod.incernet.mgnt.mib-2.aystem.sysUpTume.0: TimeTicks: 1 day, 0 hours, 28 minutes, 39 secon. iso.org.dod.incernet.sumpt.2.sumpKdollausmyBlOShoets.sumpTrap.sumpTrap.olD.0: Object ID: . iso.org.dod.incernet.mgnt.mib-2.aystem.sysDescr.0: 129456789012345: iso.org.dod.incernet.mgnt.mib-2.aystem.sysDescr.0: 123456789012345: iso.org.dod.incernet.mgnt.mib-2.aystem.sysDescr.0: 123456789012345: iso.org.dod.incernet.mgnt.ess.irt.broadcast.transmitter.common.1.2: 2013-11-22,12: 2: 42. iso.org.dod.internet.private.enterprises.irt.broadcast.transmitter.fm.fmSingleTransmitter.fmSTGeneral
Severity	Clear
Entity	192.168.0.166
RemotePort	2051
LocalPort	162
Community	public
Node	192.168.0.166
Source	192.168.0.166
TimeReceived	Fri Nov 22 12:02:44 CET 2013
HelpURL	0-0.html

Menu 19 - Received trap details



6. External Description

This section describes the components found on the front and rear panel of **TELINK-SNMP2**.

6.1 Front Panel

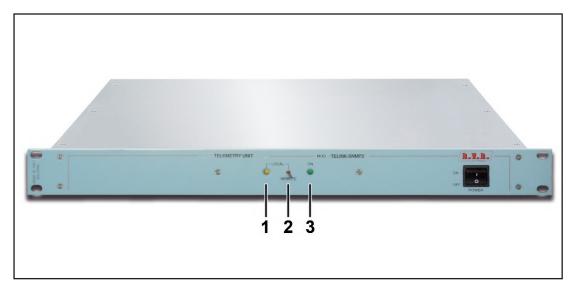


Figure 6.1

[1]	LOCAL	Yellow LED - Lit on when the equipment is in local mode.
[2]	REMOTE	Switch to select the local or remote control modes.
[3]	ON	Green LED - Lit on when the telemetry unit is feeded by mains.

6.2 Rear Panel

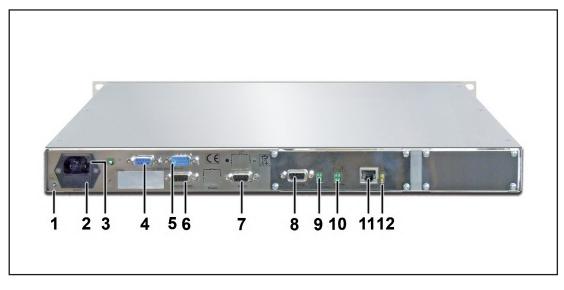


Figure 6.2

[1] [2]	GROUND FUSE BLOCK	Ground connection. Fuse carrier.Use a screwdriver to access the fuse. Contains two general protection fuses rated 2 A.
[3]	PLUG	VDE plug for mains power supply.
[4]	I2C MASTER	DB9 female connector for I2C bus.
[5]	I2C MASTER	DB9 male connector for I2C bus.
[6]	RS232/485	Not used.
[7]	RS232	DB9 connector for direct serial communications in RS232 standard
		for maintenance.
[8]	Service	DB9 connector for direct serial communications in RS232 standard for maintenance.
[9]	SYNOPTIC 1	LEDs for information about the status of communications in RS232
		and RS485 standards.
	SYNOPTIC 2	LEDs for information about the status of the card.
	LAN	RJ45 connector for LAN communication.
[12]	SYNOPTIC 3	LEDs for information about the status of ETHERNET connector.



6.3 Connector Description

6.3.1 I2C Connectors Type: DB9 Male & Female

	1	GND
	2	SDA
	3	SCL
Ľ٩	4	N.C.
٩	5	GND
	6	NC

- 6 N.C.
- 7 N.C.
- 8 N.C. 9 N.C.
- 9 N
- 6.3.2 RS232

Type: DB9 Male



- 6 N.C.
- 7 N.C.
- 8 N.C.
- 9 N.C.
- 6.3.3 SERVICE Type: DB9 female

	1	DCD
1	2	RxD
	3	TxD
	4	DTR
١	5	GND
	6	DSR
	7	RTS
	0	OTO

- 8 CTS
- 9 RI



6.3.3 ETHERNET Type: RJ45 female

	1	TX+
	2	TX-
5555555	3	RX+
	4	N.C.
	5	N.C.
	6	RX-
	7	N.C.

8

N.C.

28/34

7. Technical Specifications

R_V_R_

Parameters	TELINK-SNMP2
GENERALS	
Primary Power	100-240 VAC ±15% , Full-Range
Phisical Dimensions (W x H x D)	483 x 44 x 238 mm
Weight	4 kg
Environmental working temperature	-10 to + 50 °C
Cooling type	Convection cooling
INPUT	
Analog	-
Digital/Analog	-
OUTPUTS	
Relay	-
INTERFACE	
RS232	Yes
RS485	Yes
IIC BUS	Yes
RJ 45 (LAN)	Yes
STANDARD COMPLIANCE	
Safety	EN60215:1997
EMC	EN 301 489-11 V1.4.1
Spectrum Optimization	-



8. Synoptics LED Identification

On the back of the card, visible from rear panel, are located 2 synoptics LED panels. Information is available below.

 SYNOPTIC 1 	
--------------------------------	--



RX RS232	Green Led - Blinks during data reception in SERVICE connector.
RX RS485	Green Led - Blinks during data reception in RS485 standard on connector internally connected with Main card.
TX RS232	Green Led - Blinks during data transmission in SERVICE connector.
TX RS485	Green Led - Blinks during data transmission in RS485 standard on connector internally connected with Main card.

• SYNOPTIC 2

· · ·	Green Led - Lit on identifies the correct feeding of card.
	Green Led - Lit on indentifies malfunctions on hardware.
•	Green Led - Blink identifies the proper functioning of watchdog on card.
SNMP	Green Led - Blink during a SNMP interrogation ended successfully.

• SYNOPTIC 3

TX O	RTX	Yellow Led - Blinks during data reception on ETHERNET connector.
NK	LINK	Yellow Led - Blinks during data transmission on ETHERNET connector.



9. Identification and Access to the Modules

The **TELINK-SNMP2** is made up of various modules linked to each other through connectors so as to make maintenance and any required module replacement easier.

9.1 Upper View

The figure below shows the equipment upper view with the various components pointed out.

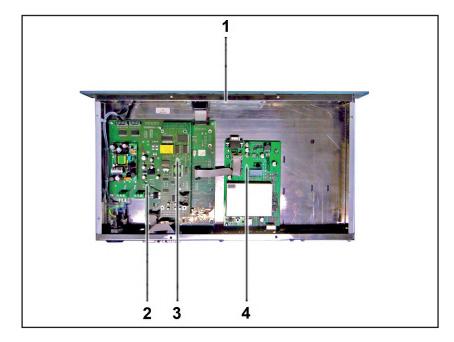


Figure 9.1

- [1] Panel Card
- [2] Main Card
- [3] CPU 16bit Card
- [4] WEB & SNMP Card



10. Hardware Restoring IP Address

Following the procedures described here below, allows you to force an hardware reset on **TELINK-SNMP2** to restore IP address to factory settings.

1) Remove mains supply and the equipment cover.



Figure 10.1

2) Put "ON" the switch number 7.

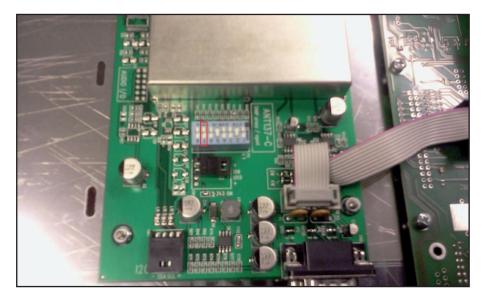


Figure 10.2



3) Put "ON" the equipment and wait who the led "attention" and "snmp" alternate blinking.

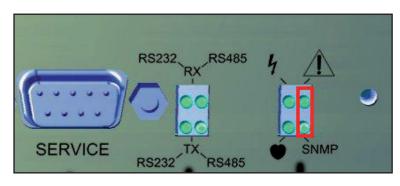


Figure 10.3

- 4) Put "OFF" the switch number 7 and restart the equipment.
- 5) Connect to equipment at default address 192.168.0.244 in WEB mode and in the page "Network" rewrite all the parameters.

Menu selection	IP Address:	192.168.0.244	
Maintenance:	SubNet Mask:	255.255.255.0	
Info	Gateway:	192.168.0.1	
Measure Alarm List	DNS1:	192.168.0.250	
A BAR LOC	DNS2:	192.168.0.250	
	Mac:	00:50:C2:EC:1F:FF	
Administration:	New IP Address:	192.168.0.244	
General	New SubNet Mask:	255.255.255.0	
Command	New Gateway:	192.168.0.1	
Alarm Delete	New DNS1:	192.168.0.250	
Network	New DNS2:	192.168.0.250	
Upgrade Firmware			

Menu 9

6) Push the button "Change Setting" and "Apply Change".



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