

TRDS4002-LUXOR-D

USER MANUAL

CE





Manufactured by R.V.R ELETTRONICA Italy

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TRDS4002-LUXOR-D - User Manual Version 1.0

© Copyright 2018 R.V.R. Elettronica SpA Via del Fonditore 2/2c - 40138 - Bologna (Italia) Telephone: +39 051 6010506 Fax: +39 051 6011104 Email: info@rvr.it Web: www.rvr.it

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Notification of intended purpose and limitations of product use

This product is a FM transmitter intended for FM audio broadcasting. It utilises operating frequencies not harmonised in the intended countries of use. The user must obtain a license before using the product in intended country of use. Ensure respective country licensing requirements are complied with. Limitations of use can apply in respect of operating freuency, transmitter power and/or channel spacing.

Declaration of Conformity

Hereby, R.V.R. Elettronica, declares that this FM transmitter is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

CE



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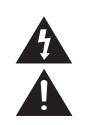




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IMPORTANT



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 Warnings

This equipment should only be operated, installed and maintained by "trained" or "qualified" personnel who are familiar with risks involved in working on electric and electronic circuits. "Trained" means personnel who have technical knowledge of equipment operation and who are responsible for their own safety and that of other unqualified personnel placed under their supervision when working on the equipment.

"Qualified" means personnel who are trained in and experienced with equipment operation and who are responsible for their own safety and that of other unqualified personnel placed under their supervision when working on the equipment.

WARNING: Residual voltage may be present inside the equipment even when the ON/OFF switch is set to Off. Before servicing the equipment, disconnect the power cord or switch off the main power panel and make sure the safety earth connection is connected. Some service situations may require inspecting the equipment with live circuits. Only trained and qualified personnel may work on the equipment live and shall be assisted by a trained person who shall keep ready to disconnect power supply at need.

R.V.R. Elettronica shall not be liable for injury to persons or damage to property resulting from improper use or operation by trained/untrained and qualified/unqualified persons.

WARNING: The equipment is not water resistant. Any water entering the enclosure might impair proper operation. To prevent the risk of electrical shock or fire, do not expose this equipment to rain, dripping or moisture.

Please observe local codes and fire prevention rules when installing and operating this equipment.

WARNING: This equipment contains exposed live parts involving an electrical shock hazard. Always disconnect power supply before removing any covers or other parts of the equipment.

Ventilation slits and holes are provided to ensure reliable operation and prevent overheating; do not obstruct or cover these slits. Do not obstruct the ventilation slits under any circumstances. The product must not be incorporated in a rack unless adequate ventilation is provided or the manufacturer's instructions are followed closely.

WARNING: This equipment can radiate radiofrequency energy and, if not installed in compliance with manual instructions and applicable regulations, may cause interference with radio communications.

WARNING: This equipment is fitted with earth connections both in the power cord and for the chassis. Make sure both are properly connected.

Operation of this equipment in a residential area may cause radio interference, in which case the user may be required to take adequate measures.

The specifications and data contained herein are provided for information only and are subject to changes without prior notice. **R.V.R. Elettronica** disclaims all warranties, express or implied.While R.V.R. Elettronica. attempts to provide accurate information, it cannot accept responsibility or liability for any errors or inaccuracies in this manual, including the products and the software described herein. **R.V.R. Elettronica** reserves the right to make changes to equipment design and/or specifications and to this manual at any time without prior notice.

Notice concerning product intended purpose and use limitations.

This product is a radio transmitter suitable for frequencymodulation audio radio broadcasting. Its operating frequencies are not harmonised in designated user countries. Before operating this equipment, user must obtain a licence to use radio spectrum from the competent authority in the designated user country. Operating frequency, transmitter power and other characteristics of the transmission system are subject to restrictions as specified in the licence.

2. Warranty

La R.V.R. Elettronica warrants this product to be free from defects in workmanship and its proper operation subject to the limitations set forth in the supplied Terms and Conditions. Please read the Terms and Conditions carefully, as purchase of the product or acceptance of the order acknowledgement imply acceptance of the Terms and Conditions. For the latest updated terms and conditions, please visitour web site at WWW.RVR.IT. The web site may be modified, removed or updated for any reason whatsoever without prior notice. The warranty will become null and void in the event the product enclosure is opened, the product is physically damaged, is repaired by unauthorised persons or is used for purposes other than its intended use, as well as in the event of improper use, unauthorised changes or neglect. In the event a defect is found, follow this procedure:

Contact the seller or distributor who sold the equipment; provide a description of the problem or malfunction for the event a quick fix is available.

Sellers and Distributors can provide the necessary information to troubleshoot the most frequently encountered problems. Normally, Sellers and Distributors can offer a faster repair service than the Manufacturer would. Please note that Sellers can pinpoint problems due to wrong installation.

- 2 If your Seller cannot help you, contact R.V.R. Elettronica. and describe the problem; if our staff deems it appropriate, you will receive an authorisation to return the equipment along with suitable instructions;
- When you have received the authorisation, you may return the unit. Pack the unit carefully before shipment; use the original packaging whenever possible and seal the package perfectly. The customer bears all risks of loss (i.e., R.V.R. shall not be liable for loss or damage) until the package reaches the R.V.R. factory. For this reason, we recommend insuring the goods for their full value. Returns must be sent on a C.I.F. basis (PREPAID) to the address stated on the authorisation as specified by the R.V.R. Service Manager.





Units returned without a return authorisation may be rejected and sent back to the sender.

Be sure to include a detailed report mentioning all problems you have found and copy of your original invoice (to show when the warranty period began) with the shipment.

Please send spare and warranty replacement parts orders to the address provided below. Make sure to specify equipment model and serial number, as well as part description and quantity.

Service

Tel. +39 051 6010506 3. First Aid

R.V.R. Elettronica Via del Fonditore, 2/2c 40138 BOLOGNA ITALY

All personnel engaged in equipment installation, operation and maintenance must be familiar with first aid procedures and routines.

3.1 Electric shock treatment

3.1.1 If the victim is unconscious

Follow the first aid procedures outlined below.

- Lay the victim down on his/her back on a firm surface.
- the neck and tilt the head backwards to free

the airway system (Figure 1).

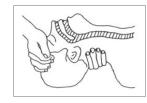


Figure 1

- If needed, open the victim's mouth and check for breathing.
- If there is no breathing, start artificial respiration without delay (Figure 2) as follows: tilt the head backwards, pinch the nostrils, seal your mouth around the victim's mouth and give four fast rescue breaths.



Figure 2

Check for heartbeat (Figure 3); if there is no heartbeat, begin chest compressions immediately (Figure 4) placing your hands in the centre of the victim's chest (Figure 5).



Figure 3

Figure 4 Figure 5

- One rescuer: give 2 quick rescue breaths after each 15 compressions.
- Two rescuers: one rescue breath after each 5 compressions.

- Do not stop chest compressions while giving artificial breathing.
- Call for medical help as soon as possible.

3.1.2 If the victim is conscious

- Cover victim with a blanket.
- Try to reassure the victim.
- Loosen the victim's clothing and have him/her lie down.
- Call for medical help as soon as possible.

3.2 Treatment of electric burns

3.2.1 Large burns and broken skin

- Cover affected area with a clean cloth or linen.
- Do not break any blisters that have formed; remove any clothing or fabric that is stuck to the skin; apply adequate ointment.
- Administer adequate treatment for the type of accident.
- Get the victim to a hospital as quickly as possible.
- Elevate arms and legs if injured.

If medical help is not available within an hour, the victim is conscious and is not retching, administer a solution of table salt and baking soda (one teaspoon of table salt to half teaspoon of baking soda every 250 ml of water).

Have the victim slowly drink half a glass of solution for four times during a period of 15 minutes.

Stop at the first sign of retching.

Do not administer alcoholic beverages.

3.2.2 Minor burns

- Apply cold (not ice cold) strips of gauze or dress wound with clean cloth.
- Do not break any blisters that have formed; remove any clothing or fabric that is stuck to the skin; apply adequate ointment.
- If needed, have the victim change into clean, dry clothing.
- Administer adequate treatment for the type of accident.
- Get the victim to a hospital as quickly as possible.
- Elevate arms and legs if injured.



4. Safety Warnings

4.1 Foreword

For your own safety and to avoid invalidation of the warranty all text marked with these Warning Symbols should be read carefully.



Information in this manual is subject to change without notice and does not represent a commitment on the part of the vendor.

The manufacturer shall not be liable for any loss or damage whatsoever arising from the use of information or any error contained in this manual, or through any mis-operation or fault in hardware contained in the product.

It is recommended that all maintenance and service on the product should be carried out by the manufacturer or its authorised agents. The manufacturer cannot accept any liability whatsoever for any loss or damage caused by service, maintenance or repair by unauthorised personnel.

4.2 Safety Warnings

The installation and servicing instructions in this manual are for use by qualified personnel only.

- Read All Instructions. All safety and operating instructions must be read before operating the product. They also must be retained for future reference, as it contains a number of useful hints for determining the best combination of equipment settings for Yr particular application.
- Heed All Warnings. All warnings on the product and those listed in the operating instructions must be adhered to.
- **Heat.** This product must be situated away from any heat sources such as radiators or other products (including power amplifiers or transmitters) that produce heat.
- **Power Sources.** This product must be operated from the type of power source indicated on the marking label and in the installation instructions. If you are not sure of the type of power supplied to your facility, consult your local power company. Make sure the AC main voltage corresponds to that indicated in the technical specifications. If a different voltage (ex. 110/115 VAC) is available, open the equipment closure and set the voltage switch on the main supply circuit, located behind the AC socket



- **Power Cord Protection.** Power supply cords must be routed so that they are not likely to be walked on nor pinched by items placed upon or against them. Pay particular attention to the cords at AC wall plugs and convenience receptacles, and at the point where the cord plugs into the product.
- **Use only with a cart**, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- **Lightning.** For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the AC wall outlet and the audio connections. This will prevent damage to the product due to lightning and power line surges.
- **Installation.** Configuration and installation should only be carried out by a competent installation engineer
- **Cabling.** Using high quality wires, well protected. Make sure the cable integrity.



This symbol alerts you to the presence of dangerous voltage inside the closure – voltage which may be sufficient to constitute a risk of shock. Do not perform any servicing other than that contained in the operating instructions. Refer all servicing to qualified personnel



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Do not change the voltage setting or replace the mains fuse without first turning the unit off and unplugging the mains cord.



Make sure the AC main voltage corresponds to that indicated in the technical specifications. THIS APPARATUS MUST BE EARTHED !



To avoid risk of fire use the correct value fuse, as indicated on the label stuck on the right side of the unit.

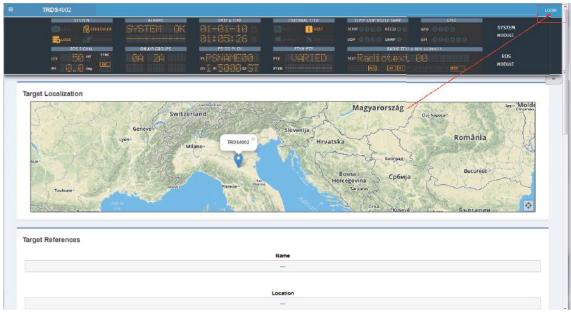


This apparatus uses a single pole mains switch and does therefore not separate the unit completely from the mains power. To completely separate from mains power (f.i. in the event of danger) unplug mains power cord. As the MAINS plug is the disconnect device, the disconnect device shall remain readily operable.

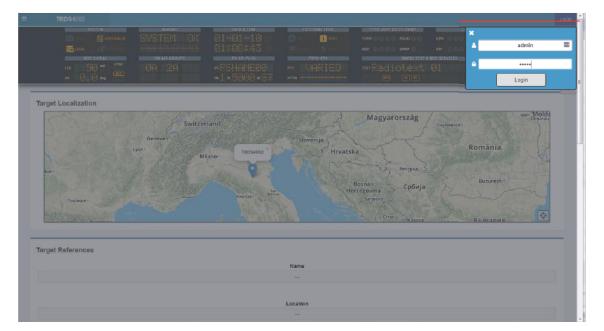


5. Quickstart

1 Connect the coder to your network. His default address is 192.168.0.10



2 Click on "LOGIN" on the upper right corner and enter admin in both fields





3 Click on the "Go to Quick Setup Menu" button to start the procedure.

■ TRD\$4002			Loanut
anten xalens	QUICK RDS SETUP	1997 - 1990 2000 - 699 - 0.000	SYSTEM
	Weicome Default Admin. This encoder has a Quick Setup menu for the RDS data, also suitable for the first configuration.	GA NG BEER KURS STAVERS Devel. 1999 1990	RDS MODULE
Home	Close Go to Quick Setup Menu		
Target Localization	Den't show this massage again		
Geneve- Lyen-	and the second sec	систерна србија Колоне Колоне	
Target References			
	Name		
	Location		

4 Follow the on screen instructions to fill the data.

	TRD\$4002							LOGGUT
	SYSTEM SCROULER SCROULER FDS:MINH	ALABHS STASTETT CK DN AIR GROUPS	DATE & 1945 2011-001-0120 2011-0231-034 25-05-99-08	EXCERNAL TETO		CPIO CPI CPI CPI CPI CPI CPI CPI CPIC	SYSTEM MODULE	
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k RDS	Setup (RDS/RBOS)							*
Let's S	itart							
69 /	Velcome							
To be	you can access to basic rds settings in setup procedure, press the butto peration resets and prepare Dataset	n below.						
To be	gin setup procedure, press the butto	n below.	slow.	t RDS Configuration				
To be This (gin setup procedure, press the butto	n below.	slow.	t RDS Configuration				
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To be This of Rds S In the Show For R	jin setup procedure, press the butto peration recets and prepara Dataset gnal Settings cijust the Rds Signal section you can choose Rds Level.	n below: 1 to broadcast services shown be 1 to broadcast services shown be ut feel ree to change & to get the	ilour Rese	t RDS Configuration				



6. Unpacking and Inspection

Your equipment was packed carefully at the factory in a container designed to protect the unit during shipment. Nevertheless, we recommend making a careful inspection of the shipping carton and the contents for any signs of physical damage.

Damage & Claims

If damage is evident, do not discard the container or packing material. Contact your carrier immediately to file a claim for damages. Customarily, the carrier requires you, the consignee, to make all damage claims. It will be helpful to retain the shipping documents and the waybill number.

Save all packing materials! If You should ever have to ship the unti (e.g. for servicing), it is best to ship it in the original carton with its packing materials because both the carton and packing material have been carefully designed to protect the unit.

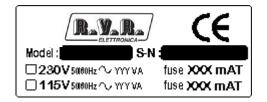
Under normal conditions no user maintenance or calibration are required. Internal links and preset controls may be set to configure the unit during installation. Any service work required should be carried out by qualified service personnel only.

We are able to offer further product support through our worldwide network of approved dealers and service agents.



To help us provide the most efficient service please would you keep a record of the unit serial number, and date and place of purchase to be quoted in any communication regarding this product.

The actual equipment Serial Number is indicated on the <u>silver label</u> stuck on the rear panel of the equipment closure.



Tools And Equipment Needed

Only standard technician's tools are required to install this equipment



7. First Installation Reccommendations

7.1 Power Supply Cable

A power supply cable of approx. 2 mt length is supplied with the device, which has a moulded IEC plug attached – this is a legal requirement.

The type of plug for the power supply depends on the country in which it is delivered.

If for any reason, you need to use this appliance with a different plug, you should use the following wiring guidelines in replacing the exsisting plug with the new one:

Earth	Green. or green and vellow
Neutral (N)	Blue
Live (L)	Brown

Supply cables should be laid in such a manner that one does not step or walk on them. They should not be squashed by any objects.

THIS EQUIPMENT MUST BE EARTHED.

The chassis is always connected to mains earth to ensure your safety: check your mains wiring and earthing before switching on.

7.2 Protection Against Lighting



Should the device be put out of action due to being struck by lightning or excess voltage, disconnect it from the power supply without delay. Do not reconnect until the device has been checked. If in doubt contact the technical support service.

Make sure there is suitable lightning protection to protect the device. Alternatively you should disconnect all connectors from the device during a storm or when the device is going to be unsupervised or not used for a longer period of time. These measures will protect against damage by lightning or excess voltage.

7.3 Ventilation

The equipment will operate as a free-standing unit without requiring any special cooling arrangement.

However, slots and openings in the product are provided for ventilation. They ensure reliable operation of the product, keeping it from overheating. These openings must not be blocked nor covered during operation.

YOU MUST LEAVE AT A MINIMUM ONE RACK UNIT OF EMPTY SPACE ABOVE THE EQUIPMENT TO ENHANCE VENTILATION AND TO GET A LONGER EQUIPMENT LIFE.



8. Device Installation

8.1 Best Setup Location

The device should be installed in a 19" rack. Avoid direct sunlight, close proximity to radiators and air conditioning, dust, water, and chemicals. Choose a rack location that permits a clear view to the indicators on the device and ensure a sufficient heat dissipation of the device.

8.2 Power Supply

The device is designed for operation with 100 to 240 V AC, 50 Hz to 60 Hz. Check the corresponding device labelling for compatibility to the domestic line voltage and frequency before connecting the IEC power connector to the mains supply!



WARNING: Disconnect mains power plug before you open the housing. Repair of the equipment must only be carried out by authorized and qualified personnel.

- 1 Power Supply. Please make sure that the device and the contained fuse(s) (please see p. 20) are compatible to the domestic line voltage and frequency. If the device is compatible, connect the power supply cord fully to the IEC power connector at the rear side of the device and a mains power outlet. The "LCD Screed" will then turn on.
- **2** Network configuration. For delivery, the device is configured with default settings for the first connection via the IP interface.
- **3 Connect to network.** Connect a network patch cable to the "10/100-Base-T" connector on the rear side of the device and your existing IP network.
- 4 Web interface. The device can be fully operated with an internet browser via the integrated web interface. Use a computer that is connected to the same IP network that the TRDS4002-LUXOR-D device is connected to. Start an internet browser, Firefox/Mozilla >V2.0 Google Chrome both with Java Script activated and enter the configured IP address in the address bar of the browser. If the IP address has not been changed in step 2, please enter the default address in the address bar of the browser: 192.168.XXX.XXX.
- **5 Ready.** These first steps are only intended for a quick first start and do not cover all device functions. Pease read carefully the entire manual to be able to use all functions of the device.
- 6 Important note on the Username and password. The equipment comes out from RVR Elettronica with a standard username: admin and password: admin. Each time a NEW user, with administration rights is created, the user admin disappear and it is replaced by the new one just created. If all users are deleted, the standard admin admin comes out again.





9. Device General Decription

9.1 Front Panel



TRDS4002-LUXOR-D

- Mechanical Steel, 1U 19 " rack standard.
- 40 Led Alarms
- USB Port Type A.
- 9.2 Rear Panel



TRDS4002-LUXOR-D

Universal Power Supply 90Vac - 240Vac 50/60Hz



• 2 BNC input connectors: 1 MPX-Input and 1 Pilot Sync.



• 2 MPX+RDS Output



• 1 RDS only Output.





• USB port - Type A



SD Card Slot



LAN/WAN Ethernet port



• GPIO Port with 6 optocouplers and 4 relay on DB 25.



• 2 serial ports RS232 on DB9 + DB25





10. First Device Start

After important setting changes we suggest you always to reboot the device (In example: after a device upgrade, or changes on IP address).

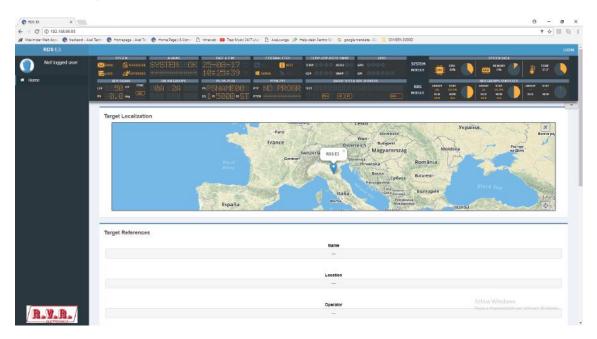
10.1 Starting your TRDS4002-LUXOR-D - Quick RDS Setup

Turn ON the RDSE3 device with the power switch, on the rear panel:

Connect the device to your LAN with an ETHERNET CABLE. Your device could be controlled by one of the following methods (1 or 2).

- 1. The device could be controlled by a web page on your browser. In the address field of your browser, type the default IP address: **192.168.0.10**. You will see the Home Page:
- 2. We provided you a little WIFI USB KEY. Connect it inside one of the USB ports of the device. If you have more than a WIFI USB KEY connect once a time:
 - a. Search for the following WIFI connection with your mobile phone, tablet or WIFI pc: **Config_AP**
 - b. Connect to Config_AP
 - c. The password is **12345678**
 - d. The device could be controlled by a web page on one of your browsers. Open a browser inside your mobile phone, tablet or wifi pc and in the address field type whatever URL you want. N.B., do not type any https URLs.

10.1.1 Home Page



In the previous screen you can read for some parameters of your device. To see all parameters and to change them you have to login with an apposite Username and password.



Click **LOGIN** at top-right.

The equipment comes out from RVR Elettronica with a standard username – the default admin:

Username: admin	(case sensitive)
password: admin	(case sensitive)

NB: Each time a NEW user, with administration rights is created, the user admin disappears and it is replaced by the new one just created. If all users are deleted, the default admin comes out again, in order to create and enter the device settings

In the following mask click on Go to Quick Setup Menu:

QUICK RDS SETUP	
Welcome Default Admin , This encoder has a Quick Setup m first configuration.	enu for the RDS data, also suitable for the
Close	Go to Quick Setup Menu
Don't show this message again	

At the first start the following mask will open automatically, click on **Go to Quick Setup Menu**:

Let's Start	
Welcome Here you can access to basic rds settings and make your radio come to tille in a few simple steps! To begin setup procedure, press the button below:	•
This operation results and prepare Dataset 1 to broadcast services shown below	
Start RDS Configuration	

To confirm click on **Confirm**

Click 'Confirm' to s	tart RDS configuration	

Go down in the page, read the instructions until the end of the page and fill all the parameters. You can set all the most important RDS Parameters You can set all the most important RDS Parameters. **In this way you can be immediately ONAIR with your RDS**. We suggest you to change device Network Ip Address and to create the Users you need.

User Manual



10.2 Login

You will see the Login mask as shown in this picture:



In the first field type for your **Username**, and in the second one type for the **Password**. Than click on **Login**.

If you see the following message you typed a wrong **Username** or a wrong **Password**.

W	rong Username/Password	Х
4	Ì	
•		

Type them again and retry.

10.3 Logged in User - Home Page

Once you are logged, you will see the home page as shown in the following picture. The left-tree menu could be different for different user classes:



C (2) 102.168.99.83		¥ ☆ E
eimiber Web Acc- 🌘 beckend - Ave	d Techn 🌘 Homepege - Axel Ten 🔮 Home Pege E-Comn 🗋 timeweb 🗰 Teo Music 24/7 Live 📋 Axel.curge. 🔊 Help-dedi Centro Sin. 🥥 google trendete -	Cer 🔋 CAVIGEN 3000D
RDS E3		
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10.4 Summary Mask

At the top of the page you can see a fast summary mask with all the current parameters and warnings as shown in the following picture:



<u>SYSTEM</u>

Email enabled

x

Scheduler LED. The scheduler is ON

- Scheduler LED. The scheduler is ON
 - Extended RDS status LED. To enable/disable this Led go to RDS/RBDS>Basic Settings > Rds Settings>Rds Global Extended Mode

<u>ALARMS</u>



The system is ok. The change should be done in Setup>SMTP>SMTP On

DATE & TIME



Here you can view Date and Time

User Manual	
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TRDS4002-LUXOR-D

GPS

🚴 GPS

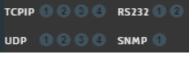


- Enable/Disable a GPS device. To enable/disable it go to Setup>GPS>General Settings>GPS On
- Enable Disable a NTP Server. To enable/disable it go to Setup>NTP>Ntp On
- Enable/Disable the UTC(Coordinated Universal Time). To enable/disable it enable the NTP or enable the GPS and go to SETUP>GPS>Get UTC from GPS.

EXTERNAL FEED

- RSS FEED Led Status. In this picture example it is disabled.
- SAMBA server Led Status
- REST Api Led Status, to change it go to SETUP>General Setup>REST Settings>Active. In this picture example it is disabled.

TCPIP-UDP-RS232-SNMP



TCPIP: you can connect the device to a maximum of 4 TCP/IP devices. The related led lights up when UECP packets are received.

SERIALS: you can connect the device to a maximum of 2 Serial devices. The related led lights up when UECP packets are received.

UDP: you can connect the device to a maximum of 4 UDP devices. The related led lights up when UECP packets are received.

SNMP: The led lights up when SNMP UECP packets are received.

<u>GPIO</u>



GPO: You can connect the device to a maximum of 4 GPO devices(GPO1, GPO2, GPO3, GPO4). These LEDs indicate status of the related GPO device.

To set GPO settings go in Setup>GPIO>GPO(1/2/3/4) and in Setup>GPO>GPO Event Notification. GPO1, GPO2, GPO3,

GPO4.

GPI: you can connect a maximum of 6 GPI devices. These LEDs light up when the related GPI device is turned on.

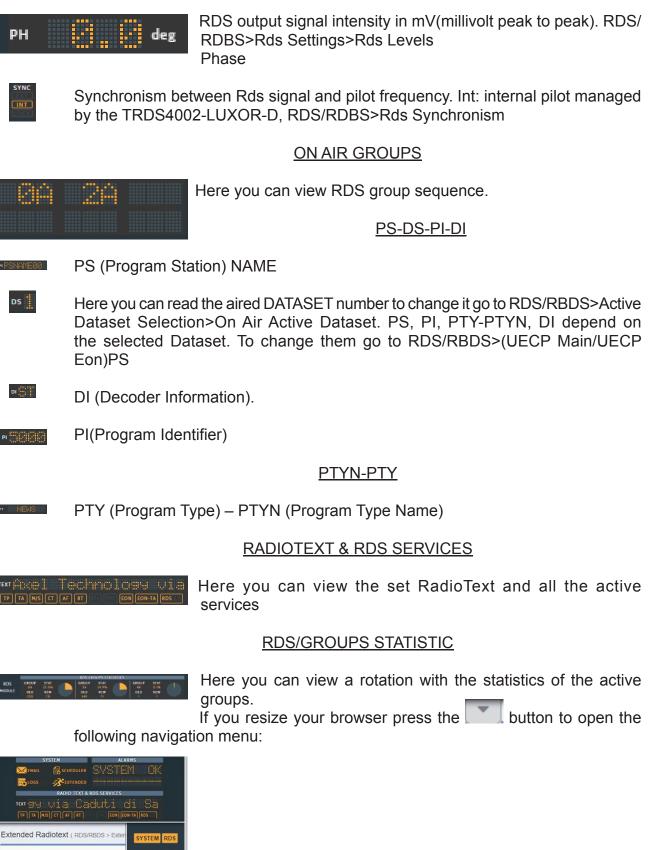
SYSTEM DATA



Here you can view the statistics connected with the system. CPU usage, Memory usage, and system temperature.



RDS SIGNAL



Radiotext Mode

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10.5 Setup

By clicking on setup you can see all the available setup subpages as shown in the following picture:

¢\$	Setup 👻
0	General Setup
0	Network 4
0	NTP
0	SNMP
0	SMTP
0	GPIO
0	GPS
0	System Tools

10.5.1 General Setup

In Setup > General Setup you have different general parameters to start device setup:

Target References

Target References			
Hart Name Prefix	Hant Rame Caston	Hott Same	
Heat Name Profix ROSED	Gosam	RDSS2Gevanni	
Target Name Ref.	Target Location Ret	Target Operator Ref.	

- Host Name Prefix: default field with the Product Name. This parameter is unchangable
- **Host Name Custom**: customizable parameter. Type here the desired device name. This parameter helps you to recognize the device in your computer network.
- Host Name: Host Name Prefix(fixed value) + Host Name Custom
- Target Name Ref.: Type here a desired name for the device
- Target Location Ref.: Type here the device location
- Target Operator Ref.: Type here the Operator name

Other Settings

Other Settings		
ետրոր։	Attp Kandwidth	Laza Time Zone
English +	Norral Essituation .	Attas Azera T

- Language: Select here the desired device language
- Http Bandwidth: Select here between Gprs, Low, Normal or High bandwidth
- Local Time Zone: Select from the dropdown menu the desired Time Zone



REST Settings

REST Settings	
active 2010	
Pet	
500	

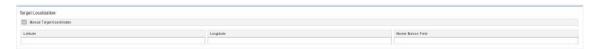
- Active: Check/Uncheck this box if you want to activate/deactivate the REST API for the device
- Port: Type the REST API port

SMB/SAMBA Share Settings

MB/SAMBA Share Settings		
Active		
Hostname IP / Url	Senta/Samba Share	
User Name	Password	
masked	Simb/Samba Alarm	

- Active: Check/Uncheck this parameter to activate/deactivate the control on the playout folder
- Hostname IP / URL: Type here the IP/URL of the Playout PC
- Smb/Samba Share: Type here the playout xml path
- User Name: Type here the PC / Folder Username
- **Password**: Type here the PC / Folder Password
- **Masked/Unmasked**: decide here if you want to mask/unmask the Alarms related with the connectivity with the PC / Folder. If you see SMB/SAMBAAlarms something is wrong wit the IP/URL, or USERNAME and PASSWORD

Target Localization



- Manual Target Coordinates: Check/Uncheck this parameter to activate/ deactivate the Manual Target Coordinates insertion.
- Latitude: Latitude insertion is activated when Manual Target Coordinates is checked. Type here the manual latitude
- **Longitude**: Longitude insertion is activated when Manual Target Coordinates is checked. Type here the manual longitude
- **Marker Baloon Field**: Insert here what you want to read on the map Marker Baloon at the selected coordinates.

Manual Target Clock Synchronization

Manual Target Clock Synchronization Systemas Taget with Clock Cost

Synchronize Target with Client Clock: synchronizes the clock with the client pc clock





10.5.2 Network



In Setup > Network>ethx you have different parameters to set configurations for the device network connection and addressing:

Mac Address
Mac Address
MacAddress
22:59:00:42:9x:xx

• **MacAddress**: Here the Super Technician can type the device Mac Address

IPv4 Addressing

IPv4 Addressing		
IPv4 Addressing Method		
Manual		•
Pv4 Enable		

- **IPv4 Addressing Method**: choose here the Addressing Method. You can choose between Manual or DHCP(auto).
- **Manual**: if you choose Manual you have to insert all IPv4 and DNS IPv4 datas.
- **DHCP(auto)**: a DHCP (Dynamic Host Configuration Protocol) server dynamically distributes network configuration parameters.
- **IPv4 enable**: check this parameter to enable/disable the IPv4 network addressing

IPv6 Addressing

IPv8 Addressing Method	
Manual	

• **IPv6 Addressing Method**: choose here the Addressing Method. You can choose between Manual or DHCP(auto).



- **Manual**: if you choose Manual you have to insert all IPv6 and DNS IPv6 datas.
- **DHCP(auto)**: a DHCP (Dynamic Host Configuration Protocol) server dynamically distributes network configuration parameters.
- **IPv6 enable**: check this parameter to enable/disable the IPv4 network addressing.

In the following setting sections you can fill all the desired IP datas if you have set Manual Addressing Method:

Primary IPv4

Primary IPv4			
Address	Bubnet Mask	Qataway (Detaut)	
Address 10.0.12x.xx	255.255.2xx x	10.0.127.008	

Additional #1 IPv4

Additional #1 IPv4		
Additional #1 IPv4 Enable		
Address	Bubnet Mask	
172.22.28.88	265.255.8.8	
Osteway Enable	Osteway	
	172.2x.x.x	

Additional #2 IPv4

Additional #2 IPv4	
	Scient Mark
Address 172,24 (2r. se	28.26
Gabiery Enable	Gatenay
	Gabeey 1722.xx

Primary IPv6

Primary IPv6		
Address	Sebork Freits	Outware DetectE

Additional #1 IPv6

Additional #1 IPv6	
Additional #1 Perf Deable	
Address	Revus Freiz
Cutyway Distile	Gateway

Additional #2 IPv6

Addisonal #2 IPv6		
Additional #2 Pvil Enable		
Addres	Research Profile	
🔲 Gatesup Grabis	Ganvar	

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DNS IPv4

DNS IPv4		
Dabled	Printy Oki	
	172.26.4.0	
Dubled	Add/servel #1 0H 8	
	1220 x x	
Trabled	Addition of 201	

- Enable(Primary DNS IPv4): If it is needed, click on the checkbox to enable a Primary DNS IPv4
- **Primary DNS(IPv4)**: type here the IP of the desired DNS server
- Enable(Additional #1 DNS IPv4): Check it to enable the first additional DNS IPv4 Server
- Additional #1 DNS(IPv4): type the IP of the DNS server
- Enable(Additional #2 DNS IPv4): Check it to enable the second additional DNS IPv4 Server
- Additional #2 DNS(IPv4): type the IP of the DNS server.

DNS IPv6

DNS IPv6		
🛄 Drabled	Prinary DMI	j.
Enabled	Additional PT DN 3	
D Dashed	Additional NZ DES	

- Enable(Primary DNS IPv6): If it is needed, click on the checkbox to enable a Primary DNS IPv6
- Primary DNS(IPv6): type here the IP of the desired DNS server
- Enable(Additional #1 DNS IPv6): Check it to enable the first additional DNS IPv6 Server
- Additional #1 DNS(IPv6): type the IP of the DNS server
- Enable(Additional #2 DNS IPv6): Check it to enable the second additional DNS IPv6 Server
- Additional #2 DNS(IPv6): type the IP of the DNS server.

CONFIGURATION

• Send Network Configuration: By clicking on this button you send the new network configuration. To confirm the process you have to connect to the new set IP and you have to press the following button.







10.5.2.1 Device Temporary IP Assignement

Take a standard USB key



Inside the USB key create a new txt file - The file name has to be exactly: **NetworkTEMPConfig.txt**.



Edit NetworkTEMPConfig.txt and write inside the temporary IP you want set for your TRDS4002-LUXOR-D. The syntax has to be: **IP/24**

Example: **192.168.0.14/24**

Insert the USB key in the USB Port of the device front panel .



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Open your browser and insert the IP in the url address. If you plug out the IP you loose the temporary IP (in this example we have set the 192.168.0.14 IP, but you can decide freely).

G Google	× \
$\leftrightarrow \Rightarrow c$	192.168.0.14

10.5.3 NTP

In Setup > NTP you have all the settings related with the Network Time Protocol. Here you can synchronize the device with different desired NTP Servers clock time to start with them the data packet exchange.

GENERAL SETTINGS

General Settings			
🔛 Nitp On			
Time Sync 1 hour	Sync Ratries	Local Time Zone	
1 hour	1	AfricalAcora	

- NTP ON: click on the checkbox to enable/disable the Sync with a desired NTP server
- **TYME SYNCH**: decide the sync interval
- SYNC RETRIES: decide the sync retries in case of failure
- LOCAL TIME ZONE: select the Local Time Zone related with the geographical device position.

PRIMARY NTP SERVER

Primary NTP Server		
IP Address / Url	NTP Version	
npt ivin I	áuta	

- **IP ADDRESS / URL**: type the IP/URL of the desired primary NTP server to synchronize the device clock with the server clock.
- NTP VERSION(AUTO, V1, V2, V3, V4): select the desired NTP version

ADDITIONAL #1 NTP SERVER

Additional #1 NTP Server		_
IP Address / Url	NTP Version	
nip2.ivin.it	duta	

- **IP ADDRESS / URL**: type the IP/URL of the first desired additional NTP server.
- NTP VERSION(AUTO, V1, V2, V3, V4): select the desired NTP version



ADDITIONAL #2 NTP SERVER

Additional #2 NTP Server	
IP Address / Uri	NTP Version
4 mini Egin	2d0 ·

- IP ADDRESS / URL: type the IP/URL of the second desired additional NTP server.
- NTP VERSION(AUTO, V1, V2, V3, V4): select the desired NTP version

The event section is useful to mask/unmask problems detection with the connection between the device and the NTP Servers.

NTP Events

NTP Events		
roster	NTP Warning	
eanited	* Infi P Alam	

- Masked/Unmasked NTP Warning: the warning control records in logs section a connection problem with one or more DNS Servers. Select Mask to enable the record or Unmask to disable it
- Masked/Unmasked NTP Alarm: the Alarm control records in logs section a connection problem with all DNS Servers. Select Mask to enable the record or Unmask to disable for it

10.5.4 SNMP

In Setup > SNMP you can setup all parameters related with the Simple Network Management Protocol. Here you can define parameters for different NMS (Network Management Server) for the network and trap management.

SNMP Settings

Snmp Agent Enabled: click on this checkbox to enable or disable the SNMP agent for the warning or alarm traps.

Read Community

Carmety

• **Read Community**: it is set on "public" by default. It is the Community String related to the SNMP requests from NMS to the device. If you want to protect your datas change it here and in the NMS.



Write Community

• **Public/Private**: it is set on "private" by default. It is the Community String related to the SNMP device settings from NMS to the device. To have a better protection in the Write Community change the Community String here and in the NMS.

HEART SIGNAL TRAP

• **Heart Signal Trap**: select between ON/OFF if you want to enable/disable the device Heartbeat signal trap.

Restart SNMP Interface

• Restart SNMP Interface: This command restarts the SNMP interface

SNMP MIB

SNMP MIB

• **Download MIB File**: Downloads the MIB file

NMS-1 SETTINGS

NMS-1 Settings	
NMS-1 IP Address / Un	
NMS-1 Trap Port	
162	
NMS-1 Trap Community	
public	
NMS-1 Trap Global Enable	
enabled	2
NMS-1 Trap Type	
trap SNMP V2c	
NMS-1 Trap Timeout	
10	
NMS-1 Trap Retry	
10	

- NMS-1 IP Address / Url: type the NMS-1 IP Address / Url for SNMP traps
- NMS-1 Trap Port: type the NMS Trap port
- NMS-1 Trap Community: choose between public/private
- NMS-1 Trap Global Enable: choose between Enable/Disable
- NMS-1 Trap Type: choose between trap SNMP V1/trap SNMP V2c/info SNMP V2
- NMS-1 Trap Timeout: type here the seconds for the trap timeout
- **NMS-1 Trap Retry**: type here the desired number of trap retries



NMS-2 SETTINGS

NMS-2 Settings	
NMS-2 IP Address / Url	
NMS-2 Trap Port	
162	
NMS-2 Trap Community	
puble	
NMS-2 Trap Global Enable	
enabled	•
NMS-2 Trap Type	
trap SNMP V2c	•
NMS-2 Trap Timeout	
10	
NMS-2 Trap Retry	
10	

- NMS-2 IP Address / Url: type the NMS-2 IP Address / Url for SNMP traps
- NMS-2 Trap Port: type the NMS Trap port
- NMS-2 Trap Community: choose between public/private
- NMS-2 Trap Global Enable: choose between Enable/Disable
- NMS-2 Trap Type: choose between trap SNMP V1/trap SNMP V2c/info SNMP V2
- NMS-2 Trap Timeout: type here the seconds for the trap timeout
- NMS-2 Trap Retry: type here the desired number of trap retries

NMS-3 SETTINGS

NMS-3 Settings	
NMS-3 IP Address / Urt	
NMS-3 Trup Port	
162	
NMS-3 Trap Community	
public]
NMS-3 Trap Global Enable	
enabled	·
NMS-3 Тгар Туре	
trap SMMP V2c	,
NMS-3 Trap Timeout	
10	
NMS-3 Trap Retry	
10	

- NMS-3 IP Address / Url: type the NMS-3 IP Address / Url for SNMP traps
- NMS-3 Trap Port: type the NMS Trap port
- NMS-3 Trap Community: choose between public/private
- NMS-3 Trap Global Enable: choose between Enable/Disable
- NMS-3 Trap Type: choose between trap SNMP V1/trap SNMP V2c/info SNMP V2
- NMS-3 Trap Timeout: type here the seconds for the trap timeout
- NMS-3 Trap Retry: type here the desired number of trap retries



NMS-4 SETTINGS

NMS-4 Settings	
NMS4 IP Address / Url	
NM54 Trap Port	
162	
NMS-4 Trap Commanity	
publi:	
NMS-4 Trap Global Enable	
enablid	•
NMS-4 Trap Type	
Imp SMP V2c	•
NMS-4 Trap Timeout	
10	
NMS-4 Trap Retry	
10	

- NMS-4 IP Address / Url: type the NMS-4 IP Address / Url for SNMP traps
- NMS-4 Trap Port: type the NMS Trap port
- NMS-4 Trap Community: choose between public/private
- NMS-4 Trap Global Enable: choose between Enable/Disable
- NMS-4 Trap Type: choose between trap SNMP V1/trap SNMP V2c/info SNMP V2
- NMS-4 Trap Timeout: type here the seconds for the trap timeout
- NMS-4 Trap Retry: type here the desired number of trap retries

SNMP Alarms

SNMP Alarms					
 unmasked 		SNMP Viaming			
unmasked	-1	SNMP Alarm			

- Masked/Unmasked SNMP Warning: decide here if you want to mask/unmask the warnings related with the connectivity between the device and the NMS servers.
- Masked/Unmasked SNMP Alarm: decide here if you want to mask/unmask the alarms related with the connectivity between the device and the NMS servers.

Traps/Notifications

aps/Notificati	ions	
umat	balan	SNTP Varing
• urma	whend •	SHTP 4bm
 urma 	nded •	NTP Vaning
uma	raked •	NTP Jam
🕘 urma	alad *	GR1Ekint
. uma	adad •	GR2 Elvin
• urma	alad •	GP/0 Event
• uma	solind •	GR4 Elvent
🔵 uma	• Deda	GR5 Ewrt
🔵 urma	whend +	OPP6 Event
• urmu	whend •	GPS Jaam
	nied •	Pikt Sync Alam

 Masked/Unmasked SMTP Warning: Mask /Unmask the Warning trap or notifications related to the connection between the device and one or more SMTP Servers



- Masked/Unmasked SMTP Alarm: Mask /Unmask the Alarm trap or notifications related to the connection between the device and all set SMTP Servers
- Masked/Unmasked NTP Warning: Mask /Unmask the Warning trap or notifications related to the connection between the device and one or more NTP Servers
- **Masked/Unmasked NTP Alarm**: Mask /Unmask the Alarm trap or notifications related to the connection between the device and all set NTP Servers
- Masked/Unmasked GPI1 Event: Mask /Unmask the Event trap or notifications related to the detection of electrical GPI1 events
- Masked/Unmasked GPI2 Event: Mask /Unmask the Event trap or notifications related to the detection of electrical GPI2 events
- Masked/Unmasked GPI3 Event: Mask /Unmask the Event trap or notifications related to the detection of electrical GPI3 events
- **Masked/Unmasked GPI4 Event**: Mask /Unmask the Event trap or notifications related to the detection of electrical GPI4 events
- **Masked/Unmasked GPI5 Event**: Mask /Unmask the Event trap or notifications related to the detection of electrical GPI5 events
- Masked/Unmasked GPI6 Event: Mask /Unmask the Event trap or notifications related to the detection of electrical GPI6 events
- **Masked/Unmasked GPS Alarm**: Mask /Unmask the GPS Alarm trap or notifications related to the connection between the device and the connected GPS device
- **Masked/Unmasked Pilot Sync Alarm**: Mask /Unmask the Alarm trap or notifications related to the connection between the device and the connected stereo encoder/digital pilot generator

10.5.5 SMTP

In Setup > SMTP you can setup all parameters related to the Simple Mail Transfer Protocol. Here you can define parameters for different SMTP servers for the e-mail notification on the device functioning.

SMTP Settings

SMTP Settings			
SMTP Settings			
Darlivery Interval 1 min			
1 etc.			
Sender & Mail Name Asel RDS-E3	Sender Display Address	Sender 2-Mail Subject	
Asel RDS-E3	remph@risil.com	(RDS-E3) Pastodic Papet	

- SMTP On: Click on the checkbox to activate/deactivate the SMTP service
- **Delivery Interval**: Select the desired Delay Interval for the Email Notifications. If SMTP On is checked you will have Email Notifications every Delivery Interval.
- Sender E-Mail Name: Type here a standard Sender E-mail Name
- Sender Display Address: Type here the default Sender Display Address. Receivers will read this sender address

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• Sender E-Mail Subject: Email Receivers will read this E-Mail Subject.

SMTP Receivers

SMTP Receivers	
Receiver 21	Receiver #2
Receiver #3	Receiver #4

- **Receiver #1**: type the 1st target email address (optional)
- Receiver #2: type the 2nd target email address
- Receiver #3: type the 3rd target email address
- Receiver #4: type the 4th target email address

MAIN SMTP Server Settings

Main SMTP Server Settings				
Description				
Server IP Address / Url			Port	
			25	
Security		Authorization Method		
None	* None			•
Usemane		Password		

- **Description**: type here a short description for the desired main SMTP Server
- Server IP Address / Url: the IP Address / Url of your SMTP server domain
- **Port**: TCP port for the communication
- Security protocol: Network Security protocol
- Authorization Method: choose the desired method from the list
- Username: email username
- Password: email password

Additional SMTP Server #1 Settings

Additional SMTP Server #1 Settings		
Enable Server		
Description		
Server IP Address / Url		Part
		8
Security None	Authorization Method	
* Nore		1
Usernane	Pressword	

- Enable Server: check this box if you want to enable the first additional SMTP
 Server
- **Description**: type here a short description for the desired SMTP Server
- Server IP Address / UrI: the IP Address / UrI of your SMTP server domain
- **Port**: TCP port for the communication



- Security protocol: Network Security protocol
- Authorization Method: choose the desired method from the list
- Username: email username
- Password: email password

Additional SMTP Server #2 Settings

Additional SMTP Server #2 Settings				
Enable Server				
Description				
-				
Server IP Address / Url			Port	
			25	
Security None		Authorization Method		
Nora	•	Norm		*
Userrane		Password		

- Enable Server: check this box if you want to enable the second additional SMTP Server
- **Description**: type here a short description for the desired SMTP Server
- Server IP Addres / UrI: the IP Address / url of your SMTP server domain
- **Port**: TCP port for the communication
- Security protocol: Network Security protocol
- Authorization Method: choose the desired method from the list
- Username: email username
- **Password**: email password

SMTP Events

SMTP E		
•	nasled .	SMTP-Varing
	nuted -	SMTP-Alam

- Masked/Unmasked SMTP Warning: the warning control logs a connection problem with one or more SMTP Servers. Select Masked to enable the log or Unmasked to disable it
- **Masked/Unmasked NTP Alarm**: the Alarm control logs a connection problem with all SMTP Servers. Select Masked to enable the log or Unmasked to disable it.

10.5.6 GPIO

In Setup > GPIO you can setup all parameters related with the General Purpose Input/Output. Here you can define the behaviour of different GPI or GPO devices.



GPI Logic

GPI Logia	
GP11 Feallys Logic	
	+
GR 3	
Prative Loge	
GR 3	
Postly Logo	· · · · · · · · · · · · · · · · · · ·
GR 4	
Pretive Logic	•
GR 5	
Polite Lojic	
GPF E Frentise Lege	
Peakwillage	

For every following 6 GPI devices you can choose between:

- **Positive Logic**: the event is logged when the GPI circuit is closed.
- **Negative Logic**: the event is logged when the GPI circuit is opened

GPI Events

GPI Event		
٥	rratile5 •	GPI 1 Eint
Φ	matked .	GPI2 Ewrl
	masked •	GFI3 Exert
		GP14 Exert
۰	masked •	GPIS Dert
0	madaa •	GP16 Exert

- Masked/Unmasked GPI1 Event: Select Masked to enable or Unmasked to disable the log of GPI1 events
- Masked/Unmasked GPI2 Event: Select Masked to enable or Unmasked to disable the log of GPI2 events
- Masked/Unmasked GPI3 Event: Select Masked to enable or Unmasked to disable the log of GPI3 events
- Masked/Unmasked GPI4 Event: Select Masked to enable or Unmasked to disable the log of GPI4 events
- Masked/Unmasked GPI5 Event: Select Masked to enable or Unmasked to disable the log of GPI5 events
- Masked/Unmasked GPI6 Event: Select Masked to enable or Unmasked to disable the log of GPI6 events

GPO Logic

GPO Logic ceto 1 Feather Logic	
GPO 1	
Portive Logic	
GP0.2 Fastive Logic	
GP0.3 Feature Logic	
GPO 4 Pentine Logic	
Positive Logic	

For every following 4 GPO devices you can choose between:

- **Positive Logic**: the generated event is the closing of the GPO circuit
- Negative Logic: the generated event is the opening of the GPO circuit



In **GPO Event Notifications** you can decide to root to the GPO device: no Event Source(OFF), to root all Event Sources(ON), to root a selected Event Source (in example: NTP Alarm).

3PO Event Notifications	
GPO 1	
or	,
GP0.2	
on	•
GP0 3	
Off	
GP0 4	
CH	1

in every GPO menu select the event source that you want to listen, as shown in the following picture:



Pilot Sync Alarm: alarm starting when the frequency of the encoded RDS/RBDS signal is out of sync with an available external pilot(analogue MPX frequency / digital frequency by the SYNC/MPX inputs).

10.5.7 GPS

In Setup > GPS you can setup all parameters related to the Global Positioning System. Here you can define parameters for a desired GPS device for the satellite geolocation.

General Settings

eneral Settings			
Gpa Device	GPS Lock Sinha	.GP5 Satellites in view	
Ges Device Not Found	Uniccled		
Get UTC from GPS			
GPS Lattude	GPS Longitude	GP5 Date & Time Last Value	
-	-	-	

Gps On: Enable/Disable the GPS device

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- **Gps Device**: Name of the GPS device connected
- GPS Lock Status: Lock/Unlock the GPS status
- GPS Satellites in view: Satellites Number in view
- **GPS Latitude**: Type here the Latitude coordinate. If GPS is turned on this value is automatically inserted
- **GPS Longitude**: Type here the Longitude coordinate. If GPS is turned on this value is automatically inserted
- **GPS Date & Time Last Value**: Type here the Date and Time. If Get UTC from GPS is enabled this value is automatically inserted

GPS Events

GPS Events

GPS Events

GPS Alem

CDS Alem

CD

 Masked/Unmasked GPS Alarm: the alarm control logs a connection problem with the GPS device. Select Masked to enable the log or Unmasked to disable it

10.5.8 System Tools



10.5.8.1 Updates

FIRMWARE UPDATES



By pushing the button below you will search if there are FW update files available. If so, you can update the Firmware clicking on 'Upgrade' in the window.

During this process you should not shutdown or reboot this device. To fill the firmware update inside the device please read the 11.10.2

SYSTEM UPGRADES

By pushing the button below you will search if there are System upgrade files available. To fill the update inside the device please read 11.10.1

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Warning: If you upgrade System clicking on 'Upgrade' in the window this device will be rebooted.

10.5.8.2 Device Management

REBOOT DEVICE

This button will cause a device reboot.

10.5.8.3 SD Card utilities

<u>SD STATUS</u>

 SD Found
 SD Structure

 Yes
 OK

SD Found

If an external SD is found, this status will be OK, otherwise to use the tools below you need to insert (or change) a SD card in the external back slot.

SD Structure

The external SD card must be formatted and prepared with a particular folder tree. If this status is not OK, you need to format & prepare it using the format button below.

FORMAT AND PREPARE

Status

This procedure will format the external SD card and prepares it to receive data.



Clone to SD Status

Clone from SD Status

This procedure will create a clone data structure on the external SD card.

This procedure will create a clone data structure from the external SD card. Important: System will be offline for a few minutes.

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10.6 Administration

In Administration section you can read, manage all the users and you can set their access permissions to the device. These section can be managed only by the Admin users.

Users List

Axel Technology - Administrator	會
Tester 1 - Super User	Ê
Tester 2 - Administrator	Ê
Mister X - Seper User	0
Guest-Guest	Ê
Mauro Chimenti - Administrator	8
Maunzio Glavarelli - Super User	8
Tester 3 - Administrator	8



Selected user



+

Not selected user

Remove button

Confirm the selected user removal

Add a new User User Details (user name)

User Dotails		
PullNerse	And Technology	
Edul	sect@anaviectmologi.com	
Liter Class	Ault-shridowan	

Full Name: User Name

E-mail: User email

User Class: user class, here you can decide user permissions.

- Discard Changes from the selected user
- Discard Changes from the selected user
- Discard Changes from the selected user
- 10.6.1 SD Card utilities

Super Technician

Hided user, it could not be delated or edited. The Super Technician has access to all pages, including calibration. Useful when debugging and to calibrate the machine.



Full Administrator

The Full Administrator manages all user profiles, accesses all pages (except the calibration).

Default Administrator (Default User): The default administrator is the default user of the device, it is under the Full Administrator cathegory, but it has fixed access credentials (user: admin – pwd: admin). This user is visible only when the system has no other Full Administrators.

User Administrator

User Administrator. It manages the profiles of all users.

Device Administrator

Non-administrator user that accesses all pages (it does not accesses to administration, calibration and some of the product nameplate data).

Technician

Technician is the one who controls all the hardware parameters of the machine and the control of information pages.

Broadcaster

It has full control only on information management pages (eg. Which data stream he uses for the aired RadioText)

Guest/Reader

Guest accesses anywhere without being able to edit any parameter.

Below, a summary table with the list of product pages and access rights for each type of use:

Legend RW: full access (read/write) R: read only user H: hided page



Page	Super Techic ian	User Admin istrato r	Full Admin istrato r (like the	Device Admin istrato r	Techni cian	Broad caster	Guest
Home	R	R	R	R	R	R	R
General Setup	RW	R	RW	RW	RW	R	R
Network	Н	R	RW	RW	RW	R	R
Network (MAC Addr.)	RW	Н	Н	Н	Н	Н	Н
NTP	RW	R	RW	RW	RW	R	R
SNMP	RW	R	EW	RW	RW	R	R
SMTP	RW	R	RW	RW	RW	R	R
GPIO	RW	R	RW	RW	RW	R	R
GPS	RW	R	RW	RW	RW	R	R
Administration	RW	RW	RW	Н	Н	Н	Н
Logs	Н	RW	RW	RW	RW	RW	R
Logs (Debug)	RW	Н	Н	Н	Н	Н	Н
Configuration	RW	Н	RW	RW	RW	RW	R
Serial Ports	RW	R	RW	RW	RW	R	R
Tcp/Ip Ports	RW	R	RW	RW	RW	R	R
UDP/SNMP Ports	RW	R	RW	RW	RW	R	R
Uecp Addressing	RW	R	RW	RW	RW	R	R
Rds Settings	RW	R	RW	RW	RW	R	R
Real Time Clock	RW	R	RW	RW	RW	R	R
Uecp Services	RW	R	RW	RW	R	RW	R
Uecp Main PS	RW	R	RW	RW	R	RW	R
Uecp Main AF	RW	R	RW	RW	R	RW	R
Uecp Radiotext	RW	R	RW	RW	R	RW	R
Uecp Eon PS	RW	R	RW	RW	R	RW	R
Uecp Eon AF	RW	R	RW	RW	R	RW	R
Extended Dataset	RW	R	RW	RW	R	RW	R
Extended PS Name	RW	R	RW	RW	R	RW	R
Extended Radiotext	RW	R	RW	RW	R	RW	R
Extended TA & M/S	RW	R	RW	RW	R	RW	R
Extended Pty&Ptyn	RW	R	RW	RW	R	RW	R
Calibration	RW	Н	Н	Н	Н	Н	Н



10.6.2 Adding a New user

To add a New User read the following steps:

- 1. Click on 💶 Add a New User button
- 2. Type in the following fields the new user details:

User Name		
Full Name	[
E-Mail	[
User Class	Administrator	3
Password		
Password Confi		

User Name: New User name Full Name: New User full name E-mail: New User email address User Class: Select here the new user class Password: New User Password Password (confirm): Password confirmation

3. click on 🖸 to discard last changes or click on 🖹 to save for them.

10.6.3 Removing an Existing User

To remove an Existing User read the following steps:

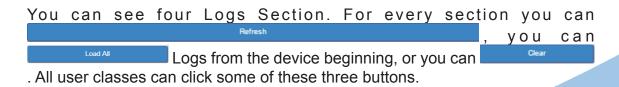
- 1. Move the mouse on the desired user Tester 3 Administrator
- 2. Click on 🔟 button
- 3. In the following mask



Click on 🕥 to exit from the user deletion or click on 🔽 to confirm his deletion

10.7 Logs

In Logs section you can read for all the device Log list.







Logs - User Permissions

Administrator, super user, technician, broadcaster, default administrator - Logs Read&Write, Logs Debug Hided) Super Technician(Logs Hided , Logs Debug Read&Write) Guest (Logs Read&Write, Logs Debug Hided)

10.7.1 Debug Logs

In this section you can read for the connection errors logs with the previously set parameters in Setup section.

10.7.2 User Logs

In this section you can read for the user logs changes or user logins or logouts.

10.7.3 Event Logs

In this section you can read for the logs of all detected events if they are **unmasked** in the related section.

10.7.4 Notifications Logs

In this section you can read for the logs of sent notifications or alarms.

10.8 Configuration

CONFIGURATION

	9 7 1 (
	1,990
B B C CHANTER OF CHANTER OF CHANTER IN SUCCESSION OF COMMAND AND STATES (STATES)	
ne en la la tar la la tar la la tar la	
NR300	
onfiguration	
Next Epot	
Solve	
	R Ø Softman Ø I Teleption Softman Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø B Ø <thø< th=""> <thø< th=""> Ø Ø</thø<></thø<>

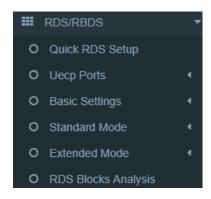
Import an existing .cnf file (json format) with all RDSE3 configs

Export a .cnf file (json format) with all RDSE3 configs in the desired folders

10.9 RDS/RBDS

In RDS/RBDS section you can set all the parameters from RadioText, to AF, from EON to PTY/PTYN. You can also set all Extended RDS/RBDS parameters.





In this section you can setup all the shown parameters.

10.9.1 Quick RDS Setup

In this section it is possible to fill all the most important RDS/RBDS Parameters (In example PS, Radiotext..) All the parameters are explained in light-blue info boxes.

ATTENTION: By pressing **Start RDS Configuration** you will reset the device to basic configurations. Do not press it if you do not want to loose some settings

10.9.2 UECP Ports

From this section you can set communication parameters with available remote devices. These devices must be able to send UECP packets from their serial ports.

O Uecp Ports	-
O Serial Ports	
C Tcp/lp Ports	
UDP & SNMP Ports	

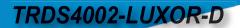
10.9.2.1 Serial Ports

Serial 1 Port Configuration

Speed	
38400 bps	
Communication Mode	
Bidirectional Requested	
Timeout	
No Action	

Speed (UECP_7_05_100224 standard - Chapter: 3.1.59): No action, 75/.../115200 bps

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Communication Mode (UECP_7_05_100224 standard - Chapters: 1.3.1 / 1.3.2 / 1.3.3): Unidirectional, Bidirectional Requested

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/3/../10 min, Inactive

Serial 2 Port Configuration

Speed	
38400 bps	
Communication Mode	
Bidirectional Requested	
Timeout	
No Action	

Speed (UECP_7_05_100224 standard - Chapter: 3.1.59): No action, 75/.../115200 bps

Communication Mode (UECP_7_05_100224 standard - Chapters: 1.3.1 / 1.3.2 / 1.3.3): Unidirectional, Bidirectional Requested

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/3/../10 min, Inactive

10.9.2.2 Serial Ports

From this section you can set communication parameters with available remote devices. These devices must be able to send UECP packets through the TCP/IP protocol.

Tcp/Ip 1 Port Configuration

Mode	
Normal Priority	
Communication Mode	
Bidirectional Requested	
Timeout	
No Action	

Mode: No Action, Low Priority, Normal Priority, High Priority

Communication Mode (UECP_7_05_100224 standard - Chapters: 1.3.1 / 1.3.2 / 1.3.3): Unidirectional, Bidirectional Requested

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive



Tcp/lp 2 Port Configuration

Mode	
Normal Priority	
Communication Mode	
Bidirectional Requested	
Timeout	
No Action	

Mode: No Action, Low Priority, Normal Priority, High Priority

Communication Mode (UECP_7_05_100224 standard - Chapters: 1.3.1 / 1.3.2 / 1.3.3): Unidirectional, Bidirectional Requested

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive

Tcp/Ip 3 Port Configuration

Mode	
Normal Priority	
Communication Mode	
Bidirectional Requested	
Timeout	
No Action	

Mode: No Action, Low Priority, Normal Priority, High Priority

Communication Mode (UECP_7_05_100224 standard - Chapters: 1.3.1 / 1.3.2 / 1.3.3): Unidirectional, Bidirectional Requested

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive

Tcp/lp 4 Port Configuration

Tcp/Ip 4 Port Configuration	
Mode	
Normal Priority	
Communication Mode	
Bidirectional Requested	•
Timeout	
No Action	•

Mode: No Action, Low Priority, Normal Priority, High Priority





Communication Mode (UECP_7_05_100224 standard - Chapters: 1.3.1 / 1.3.2 / 1.3.3): Unidirectional, Bidirectional Requested

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive

10.9.2.3 UDP & SNMP Ports

From this section you can set communication parameters with available UDP remote devices. These devices must be able to send UECP packets through UDP protocol.

UDP 1 Port Configuration

JDP 1 Port Configuration	
Mode	
Normal Priority	
Timeout	
No Action	

Mode: No Action, Low Priority, Normal Priority, High Priority

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive

UDP 2 Port Configuration

JDP 2 Port Configuration	
Mode	
Normal Priority	
Timeout	
No Action	

Mode: No Action, Low Priority, Normal Priority, High Priority

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive

UDP 3 Port Configuration

IDP 3 Port Configuration	
Mode	
Normal Priority	
Timeout	
No Action	-

Mode: No Action, Low Priority, Normal Priority, High Priority



Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive

UDP 4 Port Configuration

JDP 4 Port Configuration	
Mode	
Low Priority	
Timeout	
No Action	•

Mode: No Action, Low Priority, Normal Priority, High Priority

Timeout (UECP_7_05_100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive

The next setting section rules the communication with available devices. These devices must be able to send UECP packets in SNMP protocol.

SNMP Port Configuration

SNMP Port Configuration	
Mode	
Normal Priority	*
Timeout	
No Action	
Communicat	ion Mode
Unidirect	ional

Mode: No Action, Low Priority, Normal Priority, High Priority

Timeout (UECP 7 05 100224 standard - Chapter: 3.1.60): No action, 1/2/.../254 min, Inactive

10.9.3 Basic Settings

O Basic Settings	*
Uecp Addressing	
C Rds Settings	
C Real Time Clock	

10.9.3.1 UECP Addressing

The recipient encoder, getting UECP data frames from remote devices, must be identifiable by a unique address: **Site (Zone) + Encoder ID**. The remote devices will send UECP data frames to recipients through this addressing data couple. In example a UECP data frame could be sent to all RDS devices of a desired Site or to the same Encoder ID of all Sites.

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This section is used to set the individual device UECP address. In **Individual Address** set RDS site number and encoder number.

Individual Address

Individual Address			
Sta	Encoder		
2	3		

Site (Zone): assign to your device a desired site number

Encoder Address: assign to your device a desired encoder ID number

UECP Address

Here you can have all the Uecp Addresses list.

Ueop Address Shi Addresse				
Site Addresses		Erender Addesses		
	1	٥	3	8
		•		

Site (Zone): the range of possible values is 1 to 1023

Encoder Address: the range of possible values is 1 to 63

10.9.3.2 RDS Setting

RDS General Settings

Rds General Sattings	
🖬 Ra Ga	
Rds Global Estended Mode	
Disabled	
Ris Synchronism	
Internal	
PS Clar Table Select	
No Control Cham	

RDS On: In the device Enable/Disable the RDS encoding

Rds Global Extended Mode: Enable/Disable the Extended Mode

Rds Synchronism (Pilot Synch): Internal, Auto Sync In (External & Digital), Auto Mpx In(External & Analogue)

PS Char Table Select: we suggest you to leave this parameter in **No Control Chars**



Active Dataset Selection

tive Dataset Selection	
in A# Addive Dataset	

On Air Active Dataset: select the Dta Set number that you want to air.

RDS Levels

ids Levels	
Current Level and Phase Reference Table Index	
Level and Phase Reference Table	
Level (mVippi	Phose (Deg)
58	00
19	00
58	00
58	0.0
58	0.0
58	80

Current Level and Phase Reference Table Index: in the next field, enter the index number of the table row The related signal **Level** and signal **Phase** couple will be aired.

Level and Phase Reference Table: available, choosable and editable <u>Level</u>s(mVpp: millivolt peak-to-peak) and related <u>Phase</u>s(Deg: Degrees).

The following two parameter groups manage the special transitions of 15B group and 14B group in the standard RDS group sequence at the TA/EON TA - ON/ OFF.

TA Control (15B)

This control force the transition of the 15B group in the standard RDS group sequence in relation with the activation/deactivation of the TA.

TA Control (15B)			
Minimum Group Spacing	CIN Tramettor 158 Groups	OFF Transition 155 Geospe	
a	* 0	• 0	

Minimum Group Spacing: number of groups of the standard RDS sequence, between two recurrences of the 15B groups will be inserted and transmitted.

ON Transition 15B(fast signal switching) Groups: only when TA is turned-ON, this parameter decides the number of 15B groups transmitted in a single recurrence

OFF Transition 15B Groups: only when TA is turned-OFF, this parameter decides the number of 15B groups transmitted in a single recurrence

EON TA Control (14B)

This control force the transition of the 14B group in the standard RDS group sequence in relation with the activation/deactivation of the EON TA.





EON TA Control (14B)				
Minimum Group Specing	ON Transition 148 Groups		Off Transition 145 Groups	
0	 8	(9)	0	

Minimum Group Spacing: number of groups of the standard RDS sequence, between two recurrences of the 14B groups will be inserted and transmitted.

ON Transition 14B(fast signal switching) Groups: only when EON TA is turned-ON, this parameter decides the number of 14B groups transmitted in a single recurrence

OFF Transition 14B Groups: OFF Transition 14B Groups: only when EON TA is turned-OFF, this parameter decides the number of 14B groups transmitted in a single Recurrence

1	SMB/SAMBA Share Settings		
	File Name	Format	
		DjPro V.1.0	

File Name: in this field type the file name. The RDS will search in the previously set SMB/SAMBA IP/FOLDER for song and author informations.

Format: Choose between DjPro V.1.0, DjPro V.2.0, Dalet Simple, MB Studio.

Status	
Missing File	

Status: in this field you can see if the file is found or not

RDS Events

RDS E	rents	
	masked .	Pilot Sync Alarm
٠	masked .	Smb/Samba Share Rds Alarm

Masked/Unmasked Pilot Sync Alarm: Mask/Unmask the alarm of the synchronization between a Pilot frequency and the encoder.

Masked/Unmasked Smb/Samba Share Rds Alarm: Mask/Unmask the alarm of the connection with the communication folder with your playout.

10.9.3.3 Real Time Clock

RTC Settings

Local Time Office:
Losi Tino Ohet +528 8a
Real Time Clock Correction (ms)
9

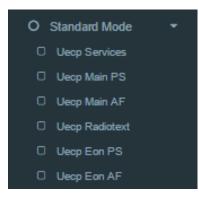
CT On/Off: enable/disable the transmission of RDS Time clock.



Local Time Offset: Select here the desired Local Time Offset

Real Time Clock Correction (ms): to avoid delays related to the signal transmission-reception, insert here a clock correction time(ms).

10.9.4 Standard Mode



10.9.4.1 UECP Services

Dataset General Settings

Dataset General Settings	
Editing Extensi Index	
DSN 8	-

Editing Dataset Index: Select here the desired Index to start the related Dataset editing.

PSN List

Reference: in reference you can read all the available reference names.

PS-number: PS-Number of the related reference.

ENABLED: (-E- : PSN enabled) (--- : PSN disabled).

PSN List Enabled

 TENT
 <th

EON 1

is an example of Enabled EON. If the EON is enabled you can see EON1* in the bottom section. To disable it click on the related *

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EON 2

is an example of Disabled EON. To enable it click on it.

<u>Group List</u>

In the following mask you can decide the Group List and the group sequence order.

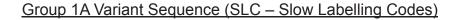


0A

to add the group at the end of the group sequence In the bottom section you see the list of group sequence

represents a present group inside the group sequence By clicking on you move it in the previous sequence position By clicking on you move it in the following order position By clicking on you erase it from the sent RDS/RBDS groups. By clicking on you can open the following top descripting table:

Groups			0.
A : Basic Tuning & Switching Info	6A : IH	12A : ODA data	
B : Basic Tuning & Switching Info	6B:IH	12B : ODA data	
A : PIN/SLC	7A : RP	13A ; ODA data	
B:PIN	7B: ODA data	13B : ODA data	
A:RT	SA : TMC	14A : EON	
BIRT	8B : ODA data	14B : EON	
A : ODA Registration	SA : EWS	15A : ODA data	
B : ODA data	9B : ODA data	15B : Fast switching info	
A:CT	10A : PTYN		
B : ODA data	10B : ODA data		
A : TDC	11A : ODA data		
B: TDC	11B : ODA data		



In the following mask you can decide the Group 1A Variant Sequence and his Slow Labelling Codes sequence order.

Group 1A Variant Sequence (SLC)	
Group 1A Slow Labelling Codes	0.
(4 3 + x) (4 0 + x) (4 + x) (4 + x) (4 + x)	

3

to add the SLC at the end of the sequence In the bottom section you see the list of SLC sequence

represents a present SLC inside the sequence
 By clicking on
 Substruct on the transmitted SLCs.
 By clicking on
 Substruct on the following top descripting table:



Group 1A Slow Labelling Codes		
0:ECC	4 : n/a	
0:ECC 1:n/a	5 : n/a	
2 : Paging ID	6 : Broadcast	
3 : Language Codes	7 : EWS Channel Id	

Group 14A Variant Sequence (EON – Enhanced Other Networks information)

In the following mask you can decide the Group 14A Variant Sequence and his Codes sequence order.





to add the Code at the end of the sequence In the bottom section you see the list of Codes sequence

∢ 3 ► ×

represents a present code inside the sequence

- By clicking on 🚪 you move it in the previous sequence position
- By clicking on you move it in the following order position
- By clicking on <u>vou</u> erase it from the transmitted codes list.

By clicking on <u>s</u>you can open the following top descripting table:

Group 14 A				
				0.
0: PS-ON	4 : AF-ON (A Method)	8 : AF-ON (Map Freq 4)	12 : Linkage	
1 : PS-ON	5 : AF-ON (Map Freq 1)	9 : AF-ON (AM)	13 : TA/PTY-ON	
2 : P S-ON	6 : AF-ON (Map Freq 2)	10 : n/a	14 : PIN-ON	
3 : PS-ON	7 : AF-ON (Map Freq 3)	11 : n/a		

10.9.4.2 UECP MAIN PS

This section is useful to define all UECP Main PS parameters

Main Network Program Service

Main Network Program Service	
Editing Dataset Index	Editing Program Service
D3H 8 .	Main P5 *

Editing Dataset Index: decide which Main PS you want to edit, select the related DSN (Dataset Number)

Editing Program Service: You will see this parameter also in UECP Eon PS. Here the parameters is not selectable because this is the MAIN Program





Basic Setting

asic Settings						
PH 5016		PS				
5018		PBN4MER0				
TP			та			
Off			ot			
PTY No Program Type			PTYN			
No Program Type		Si				
PIN Day		PIN How			PIN Menute	
		1		•	0	-
Music-Speech Music		Decoder Information				
Music	•	Stareo				

PI(Program Identification): type the PI Code

PS(Program Station): type the Program Station Name

TP(Traffic Program): On/Off

TA(Traffic Announcement): On/Off

PTY: selectable value between: Pop Music, Rock Music, Culture, Science...

PTYN: type a desired description for the program

PIN Day: you want to schedule a special PTY insert here the month day. From 01 to 31

PIN Hour: : If you want to schedule a special PTY insert here the desired hour (HH). From 00 to 23

PIN Minute: If you want to schedule a special PTY insert here the desired minute (MM). From 00 to 59

Music/Speech: select here if you have Music program or a Speech program

Decoder Information: select the audio decoder information

<u>Linkage</u>

Linkage information provides the means by which several programme services, each characterised by its own PI code, may be treated by a receiver as a single service during times a common programme is carried. During such times each programme service retains its unique identity, i.e. the programme service must keep its designated PI code and its AF (Alternative Frequency) list(s), but may change programme related features such as PS, PTY, RT, TP and TA to reflect the common programme;

Linkage information is conveyed in the following four data elements:

LA(linkage actuator)



EG(extended generic index)

ILS (international linkage standard)

LSN (linkage set number)

Slow Labelling Codes

The RDS specification contains some additional slow labelling codes that are used to support various features. These are specified to be carried in the type 1A group. In this section you can set SLC values.

Slow Labelling Codes				
SLC II (ECC)	SLC 1 (TMC)	SLC 2 (Paging)	SLC 3 (Langeage)	
008	800	800	000	
SLC 4 (nis)	SLC 5 (ma)	SLC 6 (Broad)	SLC 7 (EWS)	
008	800	800	000	

SLC 0 (ECC)

SLC 1 (TMC)

SLC 2 (Paging)

SLC 3 (Language)

SLC 4 (not assigned)

SLC 5 (not assigned

SLC 6 (Broadcaster use)

SLC 7 (EWS)

RBDS PI CALCULATOR (only if you are working on US soil)

Rbds PI Calculator	
CALL Letters	PI Code (Hex)
Convert	Convert

CALL Letters: the desired CALL Letters in this field, then click **Convert**. You will read the converted hexadecimal value in **PI Code (Ex)**.

PI Code (Hex): write the desired hexadecimal PI Code in this field. Then click **Convert**. You will read the converted value in **CALL Letters**.





10.9.4.3 UECP MAIN AF

Main Network Editing Controls

Main Network Editing Controls		
Editing Dataset Index	Editing Program Service	
DSN 1 T	Nain PS *	

Editing Dataset Index: which Main AF List (alternative frequencies) you want to edit, select the related DSN (Dataset Number).

Editing Program Service: You will see this parameter also in UECP Eon AF. Here the parameter is not selectable because this is AF of the MAIN Program Service.

Alternative Frequencies

In the following list you can read AF (alternative frequencies) list of desired Tuned frequencies.

Lists Tuned (5-8) 90.0 (5-8) 91.2 (2-8) 88.5	1	
(5.8) 90.0		
10.00	90.1 90.2 90.3 90.4	
(5-8) 91.2	92.4 92.5 100.3 100.5	
(2-8) 88.5	88.6	

You see the list of Tuned frequencies with their own AF list. Black AF are universal. Blue AF are regional. click on to add a new row with AF list or click on an existing row to edit it. The following mask will be enabled:

Method	Tuned Freq.	AF List		
В	₹ 90.0	90.1, 90.27, 90.3, 90.4		
			update	n

Method: decide between **A/B**. The **B** method allows you to specify also the regionality of the AF

Tuned Freq: here the Main Tuned Freq.

AF List: in this list you see different alternative frequencies separated by a comma (,) and a space. If you want to specify that 90.2 frequency is regional. Type 90.2**r**.

Add: click on add to confirm parameters and to add them in rows.

Remove: click on a row that you want to delete and click on remove

Update: select a row that you want to edit, change parameters and click **Update** to save changes



10.9.4.4 UECP Radiotext

Main Network Editing Controls

Nain Network Editing Controls	
Editing Dataset Index	Editing Program Sarvice
DSN 8 *	Main DS 7

Editing Dataset Index: decide which RadioText you want to edit, select the related DSN (Dataset Number)

Editing Program Service: Here the Program Service is not selectable because this is AF of the MAIN Program.

Radiotext

Radiotext Bu	uffer			
teps	A/B Flag	Radiotext		
11 12	On	You are listening to - AXEL RADIO		
12	On	Call +3901234667 or mail to info gavelrado it for info.		

Reps: number of radiotext message repetitions

A/B Flag: The A/B flag is an important part of proper radiotext transmission. This flag is used to signal the receiver when a new text message is transmitted. When the receiver detects a change in the A/B flag state, the radiotext receiver buffer will be cleared, preventing the possibility of a mixture of old and new text messages being displayed on the receiver. In conclusion, the A/B flag should be enabled when multiple RT messages are scheduled, while it can be disabled in the event of a fixed RT broadcasting.

RadioText: RadioText message

Add: after the new message creation click on send to start the RadioText transmission.

Remove: deletes the selected RadioText message

Update: , by selecting an existing RadioText row you can change it. To save new settings click on this button.





10.9.4.5 UECP EON PS

EON Program Service

n Program Service	
Editing Dataset Index	Editing Program Service
DSN 8 · ·	Ene 1PS *

Editing Dataset Index: decide which Eon PS(Program Service) you want to edit, select the related DSN (Dataset Number)

Editing Program Service: You will see this parameters also in UECP Eon AF. you can select between 10 different EON Program Services.

EON Basic Settings

Eon Basic Settings					
pi		PS			
5081		rÆTWRK01			
या	р Т <u>і</u> ,				
CH	• OR				
PTY					
No Program Type					
PIN Day		PIN Hour		PIN Mirrute	
8	*	8		0	

PI(Program Identification): type the PI Code

PS(Program Station): type the Program Station Name

TP(Traffic Program): On/Off

TA(Traffic Announcement): On/Off

PTY: selectable value between: Pop Music, Rock Music, Culture, Science...

PTYN: type a desired description for the program

PIN Day: you want to schedule a special PTY insert here the month day. From 01 to 31

PIN Hour: : If you want to schedule a special PTY insert here the desired hour (HH). From 00 to 23

PIN Minute: If you want to schedule a special PTY insert here the desired minute (MM). From 00 to 59

Music/Speech: select here if you have Music program or a Speech program

Decoder Information: select the audio decoder information



Eon Linkage

Linkage information provides the means by which several programme services, each characterised by its own PI code, may be treated by a receiver as a single service during times a common programme is carried. During such times each programme service retains its unique identity, i.e. the programme service must keep its designated PI code and its AF (Alternative Frequency) list(s), but may change programme related features such as PS, PTY, RT, TP and TA to reflect the common programme;

Linkage information is conveyed in the following four data elements:

 Enclusive
 Es
 Ltm

 or
 or

LA(linkage actuator)

EG(extended generic index)

ILS (international linkage standard)

LSN (linkage set number)

10.9.4.6 UECP EON AF

Eon Editing Controls

Eon Editing Controls		
Editing Dataset Index DSN 8	Editing Program Service	
	t Een 1PS	

Editing Dataset Index: decide which EON AF (alternative frequencies) you want to edit, select the related DSN (Dataset Number)

Editing Program Service: You will see this parameter also in UECP Main AF, you can select between 10 different EON Program Services.

EON Alternative Frequencies

In the following list you can read EON AF (alternative frequencies) list of desired Tuned frequencies.

Lists Tuned (4.A) 87.9 91.6 53.5 95.9	
(4.A) 87.9 916 935 959	

TRDS4002-LUXOR-D



thod Tuned Freq. AF List

Method: decide between A/Freq Map 1/Freq Map 2/ Freq Map 3

Tuned Freq: here the Main Tuned Freq.

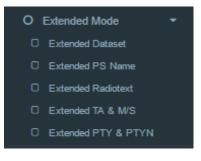
AF List: in this list you see different alternative frequencies.

Add: click on add to confirm parameters and to add them in rows.

Remove: click on a row that you want to delete and click on remove

Update: select a row that you want to edit, change parameters and click Update to save changes.

10.9.5 Extended Mode



10.9.5.1 Extended Dataset

Dataset Mode

Dataset Mode	
Dataset Operative Mode	Extended Scence
Uerp Compatible	Indexed Datamet

Dataset Operative Mode: UECP Compatible (the Dataset rules are those defined in UECP Services section). Extended Mode (the Dataset rules could be The Extend Source>Indexed Dataset or the Extended Source>Alternative Dataset or the Extended Source>REST Command or the SMB/SAMBA Share explained in following lines.

Extended Source:

 Indexed Dataset: if Dataset Operative Mode > Extended Mode, the Dataset choice works with a special binary code created by GPI(4,5,6) Events GPI Event Legend: 0=No Gpi event 1=Gpi event Red number=Aired Dataset



GPI 6	GPI 5	GPI 4	DATASET
0	0	0	1
0	0	1	2
0	1	0	3
0	1	1	4
1	0	0	5
1	0	1	6
1	1	0	7
1	1	1	8

- 2. Alternative Dataset: if Dataset Operative Mode > Extended Mode you can write a Dataset in Alternative Mode > Alternative dataset
- REST Command: if Dataset Operative Mode > Extended Mode the dataset will be chosen by REST command.
- 4. SMB/SAMBA Share: if Dataset Operative Mode > Extended Mode the dataset will be chisen by SMB/SAMBA server

Alternative Mode Attree Dissect On Attree Dissect On CPL East

Alternative Mode

Alternative Dataset: Select between available Datasets the one that will be aired in the following case: Dataset Operative Mode > Extended Mode and Extended Source>Alternative Dataset.

Active Dataset On: Dataset Operative Mode > Extended Mode and Extended Source >Alternative Dataset. If Select the GPI that actives the Dataset in the specified GPI Event. The control does not work if the related GPI Event is masked.

10.9.5.2 Extended PS Name

PSN Mode

SN Mode			
PSN Operative Mode Uccp Compatible	Extended P3	N Source	
Ueop Compatible	* RESTCOR	and	
Extended PSN Butter Node	Extended P5	IN Scrulling Speed	
Sorting	* Normal		
Extended PSN Scrolling Steps		N Auto Return Mode	
2	* Disabled		

PSN Operative Mode: UECP Compatible (the aired PSN is that defined in **UECP Main PS section**). Extended Mode (the aired PSN is the one defined by REST Command or the one defined in the below section **Extended PSN Test**.

PSN Operative Mode: REST Command or **SMB/SAMBA Share**

Extended PSN Buffer Mode: Scrolling

Extended PSN Scrolling Speed: Scrolling speed. Choose between Fastest/Fast/ Normal/Slow/Slowest



Extended PSN Scrolling Steps: Scrolling steps, the number of character scrolling step. From 1 to 8

Extended PSN Auto Return Mode: Disabled (there is the PSN repetion) / After 1 Loops (After 1 loop the PSN repetition stops) / After 2 Loops (After 2 loops the PSN repetition stops) / After 3 Loops(After 3 loops the repetition stops) / After 4 Loops (After 4 loops the repetition stops) / After 5 Loops (After 5 loops the repetition stops)

Extended PSN Test

Extended PSN Test	
PS None	364

PSN Name: Type here the desired extended PS Name. Then click **SEND** to air it.

10.9.5.3 Extended Radiotext

Radiotext Mode

Radiotext Mode	
RT Operative Mode	RT Extended Source
Ukep Competible *	REST Command

RT Operative Mode: UECP Compatible (the aired RadioText is that defined in **UECP Radiotext** section). Extended Mode (the aired Radiotext is the one defined by the REST Command or the value will be the one defined in the below section **Extended RT Test**.

RT Extended Source: REST Command or SMB/SAMBA Share

Extended RT Test

Extended RT Test	
Rade TextEdd	
	100

Radio Text Edit: Type here the desired extended Radiotext. Then click SEND to air it.



10.9.5.4 Extended TA & M/S

M/S Mode

M/S Mode		
M/S Operative Mode	MIS Extended Source	
Ueqp Compatible	GPI1Event	
Usep Compatible	* GPL1Ewrit	

M/S Operative Mode: UECP Compatible (the aired Music/Speech value is that defined in **UECP Main PS** section). Extended Mode (the aired Music/Speech value is the one defined by GPI, or by REST Command or the value will be the one defined in the below section **Extended M/S & TA Test** section.

M/S Extended Source: GPI (1,2,3,4,5,6) Event: GPI EVENT NOT DETECTED = MUSIC / GPI EVENT DETECTED = SPEECH REST Command: you can decide if Music or Speech by REST command or by the below **Extended M/S & TA Test** section SMB/SAMBA Share: you cand decide if Music or Speech by the playout XML File.

Text Announcement Mode

Text Announcement Mode		_
TA Operative Mode Leep Compaties *	TA Extended Source	
Leep Compatible .	GR 1 Bent	٠

TA Operative Mode: UECP Compatible (the aired TA on/off value is that defined in **UECP Main PS** section). Extended Mode (the aired Music/Speech value is the one defined by GPI, or by REST Command or the value will be the one defined in the below section **Extended M/S & TA Test** section.

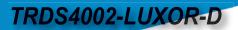
TA Extended Source: GPI (1,2,3,4,5,6) Event: GPI EVENT NOT DETECTED = TA OFF / GPI EVENT DETECTED = TA ON REST Command: you can decide if TA ON or TA OFF by REST command or by the below **Extended M/S & TA Test** section SMB/SAMBA Share : you can decide if TA ON or TA OFF by the playout XML File.

Extended M/S & TA Test

Extended M/S & TA Test	
Traffic Announcement	Munic/Speech
Of .	Speech ·

Traffic Announcement: airs the Off/On only If **TA Operarive Mode** is in Extended Mode.

Music/Speech: airs the Music/Speech only If **TA Operarive Mode** is in Extended Mode





Eon TA Mode

Eon TA Mode			
Eon TA 1 Operative Mode		Eon TA 1 Extended Source	
Leep Compatible	9	GPI 1 Event	
Eon TA 2 Operative Mode		Eon TA 2 Estandad Source	
Ueop Compatible		GPI 1 Event	
Ecm TA 3 Operative Mode		Ece 34 3 Extended Source	
Ueop Compatible	*	OPI 1 Event	-
Ean TA 4 Operative Mode		Eon TA 4 Extended Source	
Leop Compatible	•	OPI 1 Even	•
Ean TA 5 Operative Mode		Eon 14 5 Extended Source	
Ueop Compatible	,	GPI 1 Event	1
Ean TA & Operative Mode		Ear 14 6 Estanded Source	
Urop Compatible		GP11 Event	
Ean TA 7 Operative Mode		Exer TA 7 Extended Source	
Veg Compatible		GP11 Event	(H)
Eon TA & Operative Mode		Eon TA 8 Extended Source	
Verp Compatible		GP11 Event	•
Eon TA 3 Operative Mode		Eon 14 9 Extended Source	
Ueop Compatible		GPI 1 Event	
Eas TA 18 Operative Mode		Eon 1A 10 Extended Source	
Ueop Compatible	14 M	GPI 1 Event	

For all the lines the logic works as the Text Announcement Mode. The Extended EON TA is editable from GPI and REST Command. The following example is an example that summarize all EON TA:

EON TA X OPERATIVE MODE: UECP Compatible (the aired EON TA on/off value is that defined in **UECP EON PS** section). Extended Mode (the aired EON TA on/off value is the one defined by GPI or by REST Command)

EON TA X EXTENDED SOURCE: GPI (1,2,3,4,5,6) Event: GPI EVENT NOT DETECTED = EON TA OFF / GPI EVENT DETECTED = EON TA ON REST Command: you can decide if TA ON or TA OFF by REST command

10.9.5.5 Extended PTY & PTYN

PTY Mode

PTY Mode	
PTY Operative Node Uscp Corpubbe *	PTY Extended Searce
Usep Compatible 7	RESTCommunit

PTY Operative Mode : UECP Compatible (the aired PTY value is that defined in **UECP MAIN PS** section). Extended Mode (the aired PTY value is the one defined by REST Command)

PTY Extended Source: REST Command or SMB/SAMBA



PTYN Mode

PTYN Mode		
PTYN Operative Mode	PTYN Extended Source	
Usep Competible	REST Command	•

PTYN Operative Mode: UECP Compatible (the aired PTYN value is that defined in **UECP MAIN PS** section). Extended Mode (the aired PTY value is the one defined by REST Command or by the following section **Extended PTYN Test**)

PTYN Extended Source: REST Command or SMB/SAMBA

Extended PTYN Test

Extended PTYN Test	
PTYN Eat	
	3840

PTYN Edit: type here the desired Extended PTYN value and then click on **Send**.

10.9.6 RDS Blocks Analysis

From the following panel you can read for the statistics related to each transmitted group:

RDS GROUPS STATISTIC





11. FTP Interaction

By accessing the device via FTP it is possible to directly upload the update files.

Once you are connected, the root folder is where to insert the file. In order to complete the procedure you must have the credentials to access to the web interface with Full Administrator rights.

11.1 System Upgrade

Using the **sysupgrader** user with pwd **ax-sysupgrader** for system updates (the name must be in the following form: SysUpgrade-X.X.X.tgz with the X.X.X version of the update)

To start the System Update you have to:

- 1. connect to the web interface on the **Setup> System Tools>Updates** page
- 2. click the "Check System Updates" button in the "System Updates" window
- 3. follow the instructions

11.2 Firmware Upgrade

Using the **upgrader** user with pwd **ax-upgrader** for firmware updates (the update file must be a zip in the following form: RDSE3_Upgrade_VXXX with XXX the version of the update).

To start the Firmware Update you have to:

- 1. connect to the web interface on the Page Setup> System Tools> Updates,
- click the "Check for Firmware Updates" button in the "Firmware Updates" window
- 3. follow the instructions

11.3 Data Exchange

Using the **upgrader** user with pwd **ax-upgrader** for firmware updates (the update file must be a zip in the following form: RDSE3_Upgrade_VXXX with XXX the version of the update



12. WEEE Directive



In line with EU Directive 2012/19/UE for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.

In Übereinstimmung mit der Richtlinie 2012/19/UE des Europäischen Parlaments

und des Rates über Elektro- und Elektronik-Altgeräte (WEEE) darf dieses Elektrogerät nicht im normalen Hausmüll oder dem Gelben Sack entsorgt werden. Wenn Sie dieses Produkt entsorgen möchten, bringen Sie es bitte zur Verkaufsstelle zurück oder zum Recycling-Sammelpunkt Ihrer Gemeinde.

Conformément à la Directive 2012/19/UE sur les déchets d'équipements électriques et électroniques (DEEE), ce produit électrique ne doit en aucun cas être mis au rebut sous forme de déchet municipal non trié. Veuillez vous débarrasser de ce produit en le renvoyant à son point de vente ou au point de ramassage local dans votre municipalité, à des fins de recyclage.

In navolging van richtlijn 2012/19/UE van het Europees Parlement en de Raad betreffende afgedankte elektrische en elektronische apparatuur (AEEA) mag dit elektrische product niet als ongescheiden huisvuil worden weggedaan. Breng dit product terug naar de plaats van aankoop of naar het gemeentelijke afvalinzamelingspunt voor recycling.

In ottemperanza alla Direttiva 2012/19/UE sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE), questo prodotto elettrico non deve essere smaltito come rifiuto municipale misto. Si prega di smaltire il prodotto riportandolo al punto vendita o al punto di raccolta municipale locale per un opportuno riciclaggio.

De conformidad con la Directiva 2012/19/UE de la UE sobre residuos de aparatos eléctricos y electrónicos (RAEE), este producto eléctrico no puede desecharse con el resto de residuos no clasificados. Deshágase de este producto devolviéndolo al punto de venta o a un punto de recogida municipal para su reciclaje.

I henhold til EU-direktiv 2012/19/UE om affald af elektrisk og elektronisk udstyr (WEEE) må dette udstyr ikke bortskaffes som usorteret husholdningsaffald. Bortskaf dette produkt ved at returnere det til salgsstedet eller til det lokale indsamlingssted, så det kan genbruges.

I linje med EU-direktiv 2012/19/UE om avfall som utgörs av eller innehåller elektriska eller elektroniska produkter (WEEE) får denna elektriska produkt inte bortskaffas som osorterat kommunalt avfall. Bortskaffa den i stället genom att lämna in den



på försäljningsstället eller din lokala återvinningsstation.

EU:n sähkö- ja elektroniikkalaiteromudirektiivin 2012/19/UE mukaisesti tätä elektroniikkalaitetta ei saa laittaa lajittelemattoman yhdyskuntajätteen sekaan. Hävitä laite palauttamalla se ostopaikkaan tai viemällä se elektroniikkaromun keräyspisteeseen.

De acordo com a Directiva Europeia 2012/19/UE sobre resíduos sólidos de equipamento eléctrico e electrónico (WEEE), este produto eléctrico não pode ser deitado fora juntamente com o lixo municipal indiferenciado. Por favor, no final da vida útil deste produto, devolva-o ao estabelecimento de aquisição, ou entregueo no local de recolha apropriado para reciclagem designado pelo seu município.

V souladu se smrnicí 2012/19/UE o odpadních elektrických a elektronických zaYízeních (OEEZ) se tento elektrický výrobek nesmí likvidovat jako netYídný komunální odpad. PYi likvidaci tento výrobek vrať te prodejci nebo ho odevzdejte k recyklaci do komunálního sbrného zaYízení.

Vastavalt EL direktiivile 2012/19/UE, mis käsitleb elektri- ja elektroonikaseadmete jäätmeid (WEEE), ei või antud toodet visata majapidamisjäätmete hulka. Palun tagastage antud toode taaskasutamise eesmärgil müügipunkti või kohaliku piirkonna jäätmekogumise punkti.

V súlade so smernicou 2012/19/UE o odpade z elekrických a elektronických zariadení (OEEZ) sa toto elektrické zariadenie nesmie odstranovať ako netriedený komunálny odpad. Výrobok odstránte jeho vrátením v mieste nákupu alebo odovzdaním v miestnom zbernom zariadení na recyklovanie

13. Warranty

The manufacturer offers a one year warranty ex works. Do not open the equipment. Any breaking of the seals will result in forfeiture of the same. The manufacturer is not liable for damages of any kind arising from, or in connection with, the use of the wrong product.





R.V.R Elettronica Via del Fonditore, 2 / 2c Zona Industriale Roveri · 40138 Bologna · Italy Phone: +39 051 6010506 · Fax: +39 051 6011104 e-mail: info@rvr.it · web: http://www.rvr.it



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