

USER GUIDE Version 3.2

SATEL Configuration Manager Setup and configuration program for SATELLINE radio modem

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2 GENERAL

2.1 About SATEL Configuration Manager

SATEL Configuration Manager (CM) is a PC-program, which is available for SATELLINE-TR1 based products (e.g. SATELLINE-TR1, SATELLINE-EASy, SATELLINE-EASy Pro 35W). The program makes it possible to read settings or change them.

Please check the availability for your modem from your dealer or www.satel.com.

Minimum requirements:

SATELLINE radio modem, SATEL Configuration Manager PC-program, COM Port with baud rate min. 9600 b/sec. Windows 95, 98, 2000, XP, Vista and Win7.

SATEL Configuration Manager	v1.3.15 (SateINMS.ID v2.67)		
	Connecte	d	SATEL°
Disconnect Read S	ettings Write Settings	Reset Settings	
Radio Modem Info Modem Settings Load Configuration From File	Program Preferences Save Configuration To File ustomer info Call Sign Misc sett	 Save Configuration as Text Loa ings	d ChannelList
Radio Settings			Channel List
Tx Frequency	Rx Frequency	Reference Freq 🕐	Channel List In Use: OFF Default Channel: 0
Channel Spacing 2 12.5 kHz FEC Mode 2 OFF Radio Compatibility 2 SATELLINE-3AS Tx Power 2 35 W Repeater Mode 2 OFF V	Signal Threshold ? -115 Tx Delay ? 0		Channel Frequency [Hz] Width [kHz] Power [mW] ▲ 0 0 12.5 kHz 0 0 0 12.5 kHz
Addressing Rx Address Enabled OFF Tx Address Enabled OFF V	Rx 1 Address 0000 Tx 1 Address 0000	Rx 2 Address ? 0000	0 0 12.5 kHz 0 0 0 12.5 kHz 0
			Open Channel Selector

3 QUICK GUIDE TO START USING THE PROGRAM

This section describes all necessary information to make the system operational. Other tunings and settings are described in the following sections.

3.1 QuickStart

Preliminary settings:

 Save the SATEL Configuration Manager, SATEL_Configuration_Manager.help and the SatelNMS.ID to the same directory. If available, save also the Firmware to the same directory. The FW type is 3as-oemxx-xx-xx.snn.

FW file extension syntax is "snn", where numbers nn define the modem model/fw variant (e.g. "s18" for SATELLINE-EASy Pro 35W).

- 2. Connect the modem module to the PC using either direct serial interface cable or the special SATEL programming adapter.
- Connect supply power to the module. Check that you have the correct Supply Voltage.
- Open the SATEL Configuration Manager program. Check from the "Program Preferences" tab, that you have selected correct COM-

SATEL Configuration Manager v1.3.15 (SateINMS.ID v2.67)	
Connected	SATEL*
Disconnect Read Settings Write Settings	Reset Settings
Radio Modem Info Modem Settings Program Preferences	
User Level Settings	Automatically read settings from device after connect
Current Logged User Level: User	Automatically check available comm ports when program starts
Password	Check configuration file compatibility
Login	
Change maintenance Level Password	
Save	
Serial Port	
Port Check Davis	
Baud Rate Stop Bits	
Parity bits Data bits	
pione po	

port number and that the Baud rate is set to 9600 (when programming adapter is used, and according to the modem serial port data rate, when the direct data cable is used.)

- 5. To establish connection between the modem and the PC, press the blue Connect tab. To get the radio modem info, press blue Read Settings tab. Now all the information from the modem is available.
- 6. Changed serial interface parameters are taken in use immediately.

Please note!

To get access to the Maintenance Settings, press the Program Preferences tab, type in the maintenance Password and press Login and OK. Functionality is only for authorized dealer.

4 MAIN LEVEL (User level)

4.1 <u>Main Information Tabs</u>

Connect/Disconnect, Read Settings, Write Settings, Reset Settings.

I	SATEL Configuration Manager v1.3.15 (S	atelNMS.ID v2.67)	
		Connected	SATEL [®]
	Disconnect Read Settings	Write Settings Reset Settings	

4.1.1 Connect/Disconnect

Opens and closes the connection between the modem and PC.

4.1.2 Read Settings

Loads settings from the modem.

4.1.3 Write Settings

Writes settings to the modem.

4.1.4 Reset Settings

Resets changes and retrieves settings to their value as loaded from the modem prior to saving.

Insurance Road Settings Vrite Settings Rest Settings Radio Modem Info Modem Settings /rongram Preterences		Connected	SATEL
Radio Modem Info General Nodem Information Model: Serial Number: Prequency Upeer Th Band Limit: 473000000 Prequency Upeer Th Band Limit: 473000000 Prequency Upeer Rx Band Limit: 403000000 Prequency Upeer Rx Band Limit: 403000000 Requency Upeer Rx Band Limit: 40300000 Prequency Upeer Rx Band Limit: 403000000 Prequency Upeer Rx Band Limit: 403000000 Requency Upeer Rx Band Limit: 40300000 Prequency Upeer Rx Band Limit: 4030000 Prequency Upeer Rx Band Limit: 40300000 Prequency Upeer Rx Band L	Disconnect Read S	ettings Write Settings Reset Settings	
General Modern Linformation Models Saletime EASy-35W Stell Number Frequency (Josep TA Band Linit: 473000000 Prequency (Josep TA Band Linit: 473000000) Prequency (Josep TA Band Linit: 473000000) Prequency (Josep TA Band Linit: 473000000) Prequency (Josep TA Band Linit: 473000000) Prequency (Josep TA Band Linit: 473000000) PW restarts: (Josep Linit: 473000000) PW version: 0.6.10.3.60 (Jr); Module ID EPT + 59:00056 / PV; 05:00 / I Supported Channel Widths: 1.2. Setz, 204tr; 25etr; Fadded Channel Widths: 1.2. Setz, 204tr; 25etr; Fadder Channel Widths: 1.2. Setz, 204tr; 25etr; <th>Ladio Modern Info Modern Settings</th> <th>Program Preferences</th> <th></th>	Ladio Modern Info Modern Settings	Program Preferences	
Mudel: Saleline EASy-35W Sreid Number: H7000000 Prequency Lower Tx Band Limit: 473000000 Prequency Lower Tx Band Limit: 403000000 Prevention: 06.13.86 Mudel D ETT + 5% 0500 / IX Supported Channel Widths: 12.8442,20442,25842 Endeled Channel Widths: 12.8442,20442,25842 Repon Code: Default	General Modern Information		-
Serial Rushbar: Balance Budgester Presamery Uper Th Band Limit: 433000000 Presamery Uper Th Band Limit: 433000000 Presamery Uper Th Band Limit: 43000000 Supported Channel Widths: 12. Setz, 204tz, 205tz Bushed Channel Widths: 12. Setz, 204tz, 205tz Bushed Channel Widths: 12. Setz, 204tz, 205tz Region Code: Deffult	Madal	Salalina EAS	•
Producty, Upper Tr. Bard Limit: 473000000 PW version: 06.183.8.60 Module ID PPT + SPL00Sec, PFV 05.00 / I Supported Channel Weffts: 12. Setz, 20Hz, 25Hz Barddel Channel Weffts: 12. Setz, 20Hz, 25Hz Region Code: Deffult	Serial Number	anies e tray ani	
Prequency Lower Tx Band Limit: 40300000 Prequency Lower Rx Band Limit: 40300000 Preventory Lower Rx Band Limit: 40300000 Preventory Lower Rx Band Limit: 40300000 Supported Channel Widths: 12.3etz,20etz Bushed Channel Widths: 12.3etz,20etz Bushed Channel Widths: 12.3etz,20etz Bushed Channel Widths: 12.3etz,20etz Bushed Channel Widths: 12.3etz,20etz	Frequency Upper Tx Band Limit:	473000000	
Frequency Loope TA, Bard Limit. 473000000 FW versiont: 05.103.86.0 FW versiont: 05.103.86.0 Supported Channel Widths: 12.94tz.004tz.258tz Finadard Channel Widths: 12.94tz.004tz.258tz Finadard Channel Widths: 12.94tz.004tz.258tz Finadard Channel Widths: 12.94tz.004tz.258tz Report Code: Default	Frequency Lower Tx Band Limit:	403000000	
Preversion: 0.000000 PV version: 0.0.3.50 Mudule D EPT +59:00056 (PV:05.00 / I Supported Channel Widths: 12.54ct,258/c Region Code: Defsult	Frequency Upper Rx Band Limit:	473000000	
PV version: 06:10.360 Module D BPT + 9FL0005e (PV t0 50.0 / I Supported Channel Widths: 12.9442,20442,23842 Finalded Channel Widths: 12.9442,20442,25842 Region Code: Default	Frequency Lower Rx Band Limit:	403000000	
Module D EFT + SFL0006 / PV: 05.00 / I Soported Channel Widths: 12.9642, 20842 / 2094 Brubled Channel Widths: 12.9642, 20842, 20842 Region Code: Default	FW-version:	06. 18.3.60	
Supported Chennel Widthe: 12.594;2094; Enabled Chunnel Widthe: 12.594;2094; Region Code: Default	Module ID	EPT + SPL0005e / PV: 05.00 / I	
Envåled Chunnel Wolfher 12.544, 2844 Region Code: Default	Supported Channel Widths:	12.50tz,200tz,250tz	
Regon Code: Default	Enabled Channel Widths:	12.5kHz,20kHz,25kHz	
	Region Code:	Default	

5 MAINTENANCE LEVEL (for authorized dealer)

5.1 Flash Hardware and Channel Selector

Note! By default the Flash Hardware and Channel Selector are only available in maintenance level.

SATEL Configuration Manager v1.3.15 (SateINMS.ID v2.67)	
Connected.	SATEL [®]
Disconnect Read Settings Write Settings	Reset Settings Flash Hardware Channel Selector
Radio Modem Info Modem Settings Program Preferences User level	
User Level Settings Current Logged User Level: Maintenance Password Login	 Automatically read settings from device after connect Automatically check available comm ports when program starts Check configuration file compatibility
Change maintenance Level Password Save	Maintenance Operations Restore Factory Settings To Modem
Serial Port Port COM01 Check Ports Baud Rate Stop Bits 9600 bps I Parity Bits Data Bits None Image: Stop Bits	

5.1.1 Flash Hardware

Writes new Firmware to the modem.

To Flash the Firmware, establish the connection as described before. To check the FW-version, open the "Radio Modem Info" tab and press "Read Settings" To start flashing procedure, Press Flash Hardware and Press "Yes or No" accordingly.



Select the program (3as-oemxx-xx-xx-xx.syy). The flashing starts, when "Yes" is pressed.

Confirm		×
?	Start firr	mware update?
	<u>(</u> es	<u>N</u> o

Wait a while, the flashing takes about 2.5 minutes.

PLEASE NOTE! Do not disconnect the supply power or interfere with the modem in any other way during the flashing procedure. Interferences may destroy the procedure and it may no longer be possible to flash the module again.

When the text: "Device programmed successfully..." appears, the flashing is finished and the module must be switched OFF and ON, before it is ready to use.

SATEL Configuration Manager v1.3.15 (SatelNMS.ID v2.67)	
Finished.	SATEL [®]
Disconnect Read Settings Write Settings Radio Modem Info Modem Settings Program Preferences User level	Reset Settings Flash Hardware Channel Selector
User Level Settings Current Logged User Level: Maintenance Password	 ✓ Automatically read settings from device after connect ✓ Automatically check available comm ports when program starts ✓ Check configuration file compatibility
Change maintenance Level Password	Maintenance Operations Restore Factory Settings To Modem
Port	×
Baud Rate Stop Bits 9600 bps v 1 v Parity Bits Data Bits None v 8 v	Device programmed successfully. You can now power off device and restart it.

When this is done, press "Connect" (and "Read settings") to verify that the new FW has been downloaded.

After the device is programmed, you can always restore the factory settings if needed by pressing "Restore factory settings"-tab.

5.1.2 Channel Selector

Channel Selector is a tool to make a channel setup. The setup can be loaded to the modem's memory by clicking the "Write Settings"-tab.

Write Settings

Options:

Load, Save, Clear and Close.

Set Channel Name, New Channel, Edit Channel and Delete Channel.

User Channel Frequency Channel Width Tx Power 1 471231250 25000 1000 2 471431250 25000 1000 3 471731250 25000 1000	ear Load	Save Add	Edit Set default	Delete Close	
1 471231250 25000 1000 2 471431250 25000 1000 3 471731250 25000 1000		User Channel	Frequency	Channel Width	Tx Power
2 471431250 25000 1000 3 471731250 25000 1000		1	471231250	25000	1000
3 471731250 25000 1000		2	471431250	25000	1000
		3	471731250	25000	1000
			_		
Set Channel Set Name			Set Channel Set Name		
Set Channel Set Name AddChannel			Set Channel Set Name AddChannel		
Set Channel Set Name AddChannel EditChannel			Set Channel Set Name AddChannel EditChannel		

How to make a new channel setup:

Open the "Channel Selector" Channel Selector and make a mouse click on the white area of the Channel Selector window using the second button (usually "right click").
O Click Set Channel Set Name, and define a name for the channel list.

Set Channel Set Name
Input Default Channel Set
OK Cancel



o Right click on the grey area and select New Channel and the following window opens.

ChannelEditorForm			
User Channel	User Frequency 430000000 H	Channel Width z 12500 • H	Channel TX Power IZ I00 mW 200 mW 500 mW 1 W

User Channel	= Any number	aiven by the user o	or, for example, the	SATEL distributor.
		given by the user of	or, for example, me	SATEL UISITIDUIUI.

- User Frequency = Any given frequency which is available to the modem.
- Channel Width = Selected Channel Width, usually given by authorities.
- Channel TX Power = Selected TX output power

6 LOAD AND SAVE CONFIGURATIONS

6.1 Load Configuration From File

The configurations made by the Configuration Manager can be loaded from PC to the CM. Select "Load Configuration From File" and "Open" the desired cfg-file. When done, all settings become red and the following info table opens. The settings are uploaded to the modem by pressing "Write Settings" tab.

Information X	SATEL Configuration Manager v1.3.15 (SatelNMSJD v2.67)
Configuration file loaded successfully!	
Configuration file loaded successfully!	Disconnect Read Settings Write Settings Reset Settings Flash Hardware Channel Selector Radio Modem Info Modem Settings Program Preferences User level
	Open Channel Selector

6.2 <u>Save Configuration to File</u>

All configurations made by the Configuration Manager can be saved to the PC. Saving is done by pressing "Save Configuration To File" and selecting the directory where the settings will be saved.

6.3 <u>Save Configuration as Text</u>

All configurations made by the Configuration Manager can be saved as a text-file to the PC. This feature makes it possible to use settings for other purposes, for example printing etc.

7 SETUP LEVEL

Radio Modem Info, Modem Settings, Program Preferences, User Level Settings.

SATEL Configuration	n Manager v1.3.15 (Sat	elNMS.ID v2.67)				
		Connected			S	SATEL [®]
Disconnect	Read Settings	Write Settings	Reset Settings	Flash Hardware	Channel Selector	
Radio Modem Info Mod	em Settings Program Pr	references User level				

7.1 <u>Radio Modem Info</u>

Information about the model, serial number, frequency limits, Firmware version, and ID.

General Modem Information	0
Model:	Satelline EASy-35W
Serial Number:	
Frequency Upper Tx Band Limit:	473000000
Frequency Lower Tx Band Limit:	40300000
Frequency Upper Rx Band Limit:	473000000
Frequency Lower Rx Band Limit:	40300000
FW-version:	06.18.3.60
Module ID	EPT + SPL0005e / PV: 05.00 / I
Supported Channel Widths:	12.5kHz,20kHz,25kHz
Enabled Channel Widths:	12.5kHz,20kHz,25kHz
Region Code:	Default

Module ID:

- SPL0005e \rightarrow Support for PCC and TrimTalk® modulations
- available since serial number 1118xxxxx

7.2 <u>Modem Settings</u>

- 7.2.1 How to change values
 - Values without -button (like RX Frequency). Type new value, when the value is changed, but not sent to the modem yet, the name of the box becomes red.
 - 2. Values with 💌 -button. Select new value from pull-down menu.
 - 3. The changed values will be sent to the modem when **Write Settings** is pressed.
 - 4. When the radio modem has accepted the changes the red colour changes back to normal.

	Connected	i	SATE	Ľ
Disconnect Read S	ettings Write Settings	Reset Settings Flash	Hardware Channel Selector	
o Modem Info Modem Settings	Program Preferences User level	1]		
oad Configuration From File	Save Configuration To File	Save Configuration as Text Los	ad ChannelList	
lio Settings Serial Interface C	ustomer info Call Sign Misc setti	ings		
ladio Settings			Channel List	
Tx Frequency	Rx Frequency	Reference Freq 🕐	Channel List In Use: OFF -	2
438000000 Hz	438000000 Hz	438000000 Hz	Default Channel: 0	
Channel Spacing			Channel Frequency [Hz] Width [kHz] Power [mW]	^
12.5 kHz 🔹			0 0 12.5 kHz 0 0 0 12.5 kHz 0	E.
FEC Mode			0 0 12.5 kHz 0	
OFF -			0 0 12.5 kHz 0	
Radio Compatibility			0 0 12.5 kHz 0 0 0 12.5 kHz 0	
SATELLINE-345			0 0 12.5 kHz 0 0 0 12.5 kHz 0	
Tx Power	Signal Threshold		0 0 12.5 kHz 0 0 0 12.5 kHz 0	1
35 W 🚽	-115		0 0 12.5 kHz 0 0 0 12.5 kHz 0	
Penester Mode	Tx Delay		0 0 12.5 kHz 0 0 0 12.5 kHz 0	
OFF V	0		0 0 12.5 kHz 0 0 0 12.5 kHz 0	
	1		0 0 12.5 kHz 0 0 0 12.5 kHz 0	
Addressing			0 0 12.5 kHz 0 0 0 12.5 kHz 0	
Rx Address Enabled	Rx 1 Address	Rx 2 Address 📀	0 0 12.5 kHz 0 0 0 12.5 kHz 0	
OFF -	0000	0000	0 0 12.5 kHz 0 0 0 12.5 kHz 0	
Tx Address Enabled	Tx 1 Address	Tx 2 Address	0 0 12.5 kHz 0	
OFF 💌	0000	0000	0 0 12.5 kHz 0	Ŧ
			Onen Channel Selector	

7.2.2 Radio Settings

Radio Settings

Options: TX Frequency, RX Frequency, Reference Frequency, Channel Spacing, FEC Mode, Radio Compatibility, TX Power, Signal Threshold, Repeater mode, TX Delay.

Addressing

Options: RX Addressing, TX Addressing. RX/TX Address Enabled ON/OFF RX/TX 1 Address, RX/TX 2 Address.

Addresses can be used to route a data message to the desired destination or to separate two parallel networks from each other.

SATEL Configuration Manager	v1.3.15 (SateINMS.ID v2.67)			X
	Connecte	:d	🛞 S/	ATEL°
Disconnect Read S	ettings Write Settings	Reset Settings Flash F	lardware Channel Selector	
Radio Modem Info Modem Settings	Program Preferences User lev	el		
Load Configuration From File	Save Configuration To File	Save Configuration as Text Loa	d ChannelList	
Radio Settings Serial Interface C	oustomer info Call Sign Misc set	tings		
Radio Settings			Channel List	-
Tx Frequency	Rx Frequency	Reference Freq 🕐	Channel List In Use: OFF	•
438000000 Hz	438000000 Hz	438000000 Hz	Default Channel: 0	
Channel Spacing			Channel Frequency [Hz] Width [kHz] 0 0 12.5 kHz 0 0 12.5 kHz 0 0 12.5 kHz	Power [mW]
FEC Mode			0 0 12.5 kHz 0 0 12.5 kHz	0
OFF 💌			0 0 12.5 kHz 0 0 12.5 kHz	D
Radio Compatibility 🕐			0 0 12.5 kHz 0 0 12.5 kHz	D
SATELLINE-3AS 💌			0 0 12.5 kHz 0 0 12.5 kHz	0 ≡
Tx Power	Signal Threshold 🕐		0 0 12.5 kHz 0 0 12.5 kHz	0
35 W 👻	-115		0 0 12.5 kHz 0 0 12.5 kHz	0
Repeater Mode	Tx Delay		0 0 12.5 kHz 0 0 12.5 kHz	0
	lo		0 0 12.5 kHz 0 0 12.5 kHz	0
Addressing			0 0 12.5 kHz 0 0 12.5 kHz	
Rx Address Enabled	Rx 1 Address	Rx 2 Address	0 0 12.5 kHz 0 0 12.5 kHz	0
OFF •	0000	0000	0 0 12.5 kHz 0 0 12.5 kHz	0
Tx Address Enabled	Tx 1 Address	Tx 2 Address	0 0 12.5 kHz	0
OFF -	0000	0000	0 0 12.5 kHz	- 0 -
			Open Channel Selector	

The radio modem contains one transmission and one reception address, which is known as the primary address. This primary address is used whenever data from the serial interface is transmitted. At the receiving end, the radio modem will receive using this address. The ports are functioning according to the device hardware recognition.

Channel List

Options: Channel list in use: ON/OFF Channel, Frequency, Channel Width, Power

Copy Channel To Channel Selector

When this button is pressed the channel list from the modem is copied to the Channel Selector of the CM. This function is practical if the channel list should be copied to another modem, edited or saved etc.

7.2.3 Serial Interface

The alternatives are:

One port:

o Port 2 grey or invisible.

Two ports:

o When one is set ON the other goes OFF.

Port 1

Options:

Function, Baud Rate, Data Bits, Parity Bits, Stop Bits, Pause Length, Wait For Pause



Port 2

Options:

Function, Interface Selection, Baud Rate, Data Bits, Parity Bits, Stop Bits, Pause Length, Wait For Pause

Handshaking

Options: CTS Line, CD Line, RTS Line.

7.2.4 Customer info (accessing needs maintenance level password)

Options: Customer Serial Number, Configuration Number, Model

Customer Serial Number

Any number that can be set by the author. The maximum number is 32 alphanumeric characters. The number is accepted by Enter.

Configuration Number

Any number that can be set by the author. The maximum number is 32 alphanumeric characters. The number is accepted by Enter.

	Connected		SATE!
Disconnect Read Se	ttings Write Settings Reset Se	ettings Flash Hardware Channe	el Selector
Radio Modem Info Modem Settings	Program Preferences User level		
Load Configuration From File	Save Configuration To File Save Configur	ation as Text Load ChannelList	
Radio Settings Serial Interface Cu	stomer info Call Sign Misc settings		
Customer Info (need maintenance le	vel password)		
Customer Serial Number			
l Galanta Nata	V		
Configuration Number			
Model			
1	0		

Model

Any number that can be set by the author. The maximum number is 32 alphanumeric characters. The number is accepted by Enter.

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SATEL Configuration Manager v1.3.15 (SateINMS.ID v2.67) 🇠 SATEL 7.2.5 Call sign Connected.. Read Settings Write Settings Reset Settings Flash Hardware Channel Selector Options:
 Radio Modem Info
 Modem Settings
 Program Preferences
 User level
 |

 Load Configuration From File
 Save Configuration as Text
 Load ChanneList
 Call sign state, ON/OFF Radio Settings | Serial Interface | Customer info | Call Sign | Misc settings | Call sign Interval Call Sign Settings 2 Call sign messages Call Sign State OFF • Call Sign Interval 1 minutes Call sign feature is used in US. Call Sign Message

7.2.6 Misc settings

Options:	SATEL Configuration Manager v1.3.15 (Sat	INMS.ID v2.67)		
LCD Mode		Connected		SATEI *
Add RSSI to data	Disconnect Read Settings	Write Settings Reset Settings	Flash Hardware Channel	Selector
SL Command mode	Radio Modem Info Modem Settings Program Pr	eferences User level		
	Load Configuration From File Save Cont	guration To File Save Configuration as Te	xt Load ChannelList	
Tests	Radio Settings Serial Interface Customer info	Call Sign Misc settings		
	LCD Mode: Normal	Short block test:		
Region code (accessing	Add RSSI to data: OFF	Long block test:		
requires Maintenance	Error Check mode: OFF			
level password)	Radio priority mode: TX Priority	Region Code:	Default 💽	
	Power Save mode: OFF	_		
Options [.]				
Default/US				
]

7.3 <u>Program Preferences</u>

SATEL Configuration Manager v1.3.15 (SateINMS.ID v2.67) Options: 🕲 SATEL Connected. User Level Settings, Read Settings Write Settings Reset Settings Serial Port. Radio Modem Info | Modem Settings | Program Preferences | User level | User Level Setting The user levels are: ✓ Automatically read settings from device after connect Current Logged User Level: Mainter Automatically check available comm ports when program starts Maintenance / User (default). Password Check configuration file compatibility 1. The maintenance level Login password is given to Change maintenance Level Pa authorized dealers only. tore Factory Settings To N Save It allows the user to access to Serial Port (?) all functions of the software. COM01 • Stop Bits Baud Rate 2. The Maintenance level • • 1 9600 bp password gives access to Parity Bits Data Bits - 8 None functions that are defined by the "User Level". 3. When no password is given the user has access to the standard features.

Type in the correct password xxxxxxx (by e-mail from the SATEL Oy) and press Login. Change and save if needed.

Port

Defines settings for the PC's serial port communication.

Check Ports

Will automatically check available (free) serial ports of the PC. Press Check Ports and select free port. Note that if this program uses the port, it is already reserved and will not be shown anymore as a free port.

Automatically read settings from device after connected

When this is activated, the program reads automatically settings from the modem when the connection is established. If this is not selected, the values must be read by pressing "Read Settings".

Automatically check available COM ports when program starts

When this is activated, the program automatically reads available free ports.

Check configuration file compatibility

When enabled, the program verifies that connected modem model supports all parameters and settings defined in the .cfg file. Unless it does, the following error messages are shown:

Information	Error
This configuration file is not compatible with this modem.	Failed to load configuration file!
ОК	ОК

Restore Factory Settings To Modem

Restores the settings as they were originally set at the factory.

Note! Changes made in this page come effective immediately.

7.4 <u>User Level settings</u>

Options:

Description, User Level, Visibility, Status, Edited Item.

These settings are used to select which item can be seen or used on the main menu window.

If a "higher level" user, like Factory Level, has made changes, the "lower level" user cannot change it.

Select an item from the "Description" and make changes according to your choice. To make changes valid, press "Apply".

	C	onnected		SATE
isconnect Read Setting Iodem Info Modem Settings Prog	s Write S	ettings R User level	eset Settings	Flash Hardware Channel Selector
Description	User Level	Visibility	Status	Edited Item
Fror Report	User	Visible To User	Enabled	Description France Banast
Fror Report Text	User	Visible To User	Enabled	liser level: liser
.CD Mode	User	Visible To User	Enabled	Vicible
Add RSSI to Data	User	Visible To User	Enabled	
& Commands Mode	User	Visible To User	Enabled	Visible To User
Fror Check Mode	User	Visible To User	Enabled	Enabled
Radio Priority Mode	User	Visible To User	Enabled	Enabled -
Short Block Test	User	Visible To User	Enabled	,
ong Block Test	User	Visible To User	Enabled	Save and Apply
Continuous Long Block Test Mode	User	Visible To User	Enabled	
Power Save Mode	User	Visible To User	Enabled	
X Frequency	User	Visible To User	Enabled	Allow Channel editor on user level
X Frequency	User	Visible To User	Enabled	
Center Frequency	Distribution	Visible To User	Enabled	
X Power	User	Visible To User	Enabled	
Channel Spacing	Distribution	Visible To User	Enabled	
EC Mode	User	Visible To User	Enabled	
Repeater Mode	User	Visible To User	Enabled	
Radio Compatibility	User	Visible To User	Enabled	
X Delay	User	Visible To User	Enabled	
Signal Threshold	User	Visible To User	Enabled	
Over-the-Air Encryption	User	Visible To User	Enabled	
incryption Key Material Hash	User	Visible To User	Enabled	
landshaking CTS Line	User	Visible To User	Enabled	
landshaking RTS Line	User	Visible To User	Enabled	
- <u></u>				

Description = Defines how the item is seen in the window

User Level = Defines the level at which individuals have rights to control the item

Visibility = Defines if the item is visible for the user or not

Status = Defines if the item can be used by the user or not

Visible

The item can be either visible or hidden from the user.

Enabled

The item can be either disabled or enabled from the user.

Allow Channel editor on user level

Regular user can access to Channel List Editor, when this is selected.

7.5 <u>Logs</u>

General information for follow-up and service.