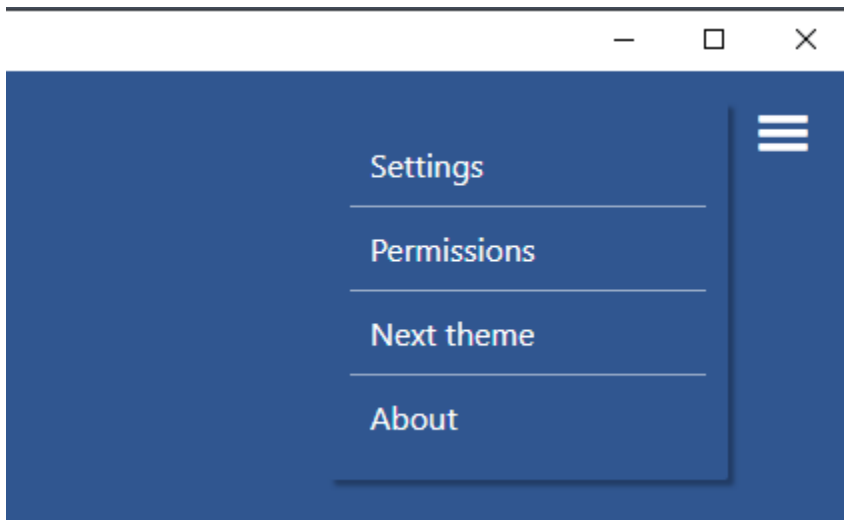# Programming Channel Lists with NETCO Device

Note: Programming a channel list requires a software key and password. If you don't have these, please contact the company you purchased the radio from. Importing NETCO software keys is covered in the technical support document available here:
https://www.satelusa.com/support-main/technical-notes-articles-faqs/configure-satel-easy-pro-plus-netco-device/

Step 1: Elevate User Level

Select Permissions from the menu in the upper right corner:

In the permission menu, enter the password provided with your license key in the "Userlevel Elevation token" box and hit Enter:

The user level should change to "Advanced"

Step 2: Connect to radio

Return to the main menu using the back button, then select Serial Interface:

Select a management method
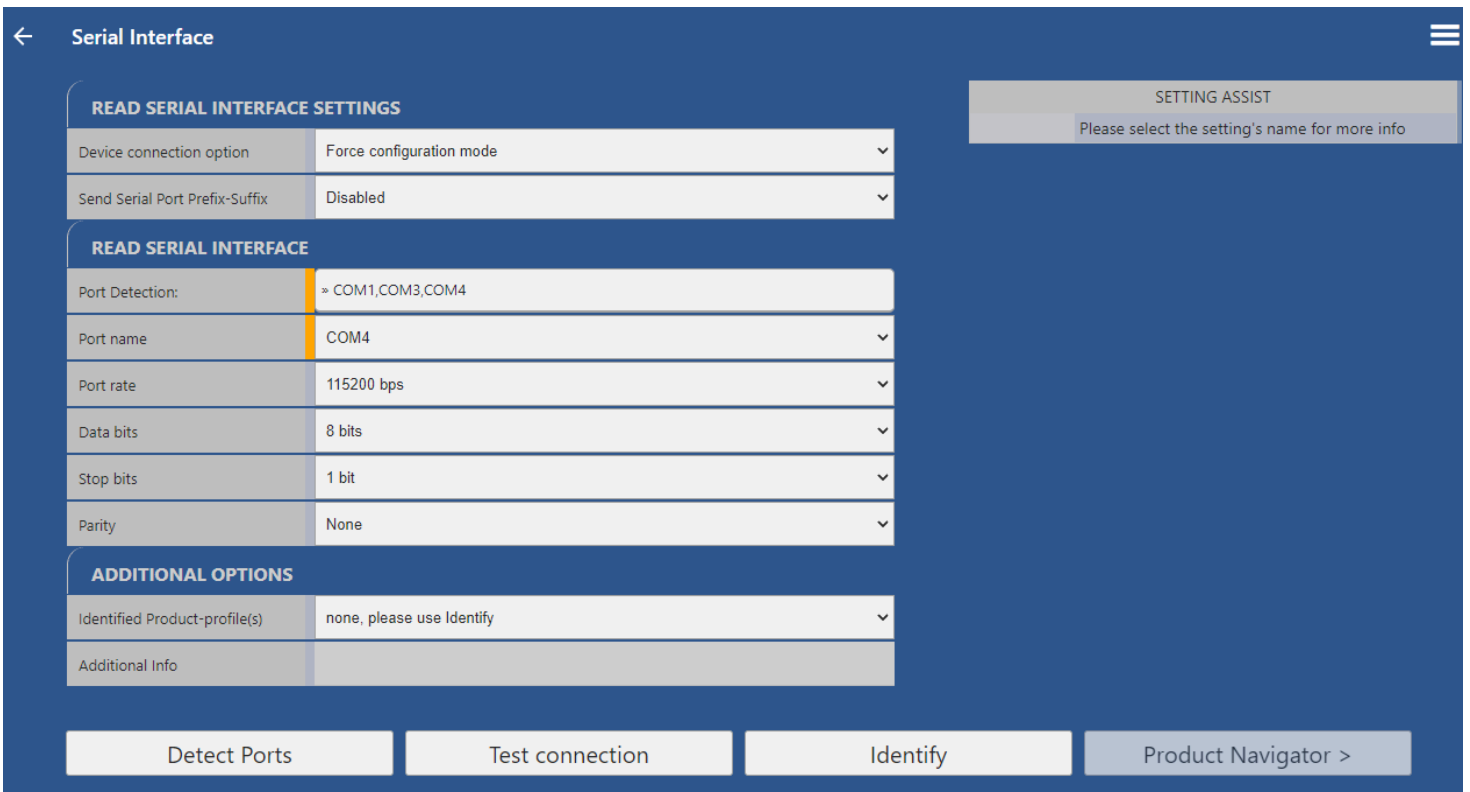
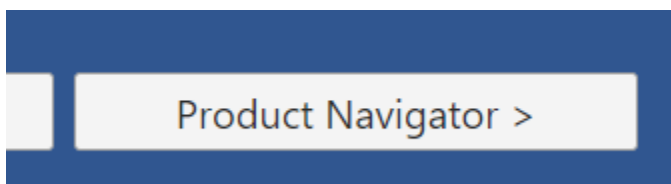**Serial Interface**
Connect using a Serial port
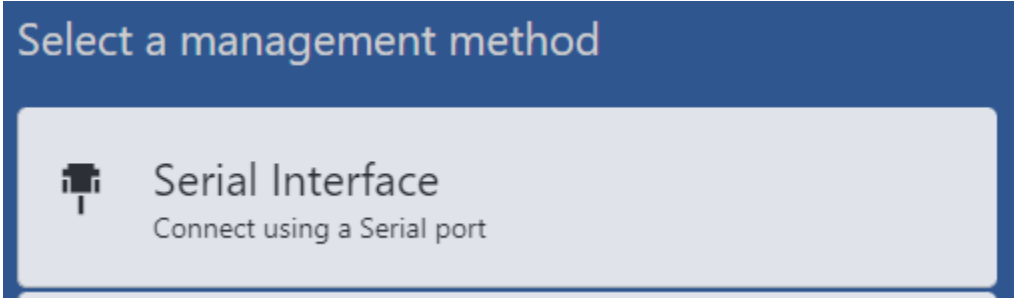
Select your COM port and baud rate for the radio. In this example, we are using COM4 and 115200 bps (the default serial port rate for EASy+ and EASy Pro+):

← **Serial Interface**

		SETTING ASSIST
READ SERIAL INTERFACE SETTINGS		Please select the setting's name for more info
Device connection option	Force configuration mode ⌄	
Send Serial Port Prefix-Suffix	Disabled ⌄	
READ SERIAL INTERFACE		
Port Detection:	» COM1,COM3,COM4	
Port name	COM4 ⌄	
Port rate	115200 bps ⌄	
Data bits	8 bits ⌄	
Stop bits	1 bit ⌄	
Parity	None ⌄	
ADDITIONAL OPTIONS		
Identified Product-profile(s)	none, please use Identify ⌄	
Additional Info		

Detect Ports	Test connection	Identify	Product Navigator >

Press Identify. If your serial port parameters are configured correctly, the software should identify the device:

IDENTIFICATION:

Identified Product-profiles:
SATEL-EASy Pro+ (400 MHz) ✓
SATEL-EASy Pro+ (400 MHz/3AS NMS)

Active profile is selected.
To change the profile, select it from
'Identified Product-profile(s)' list.

OK

connection   Identify
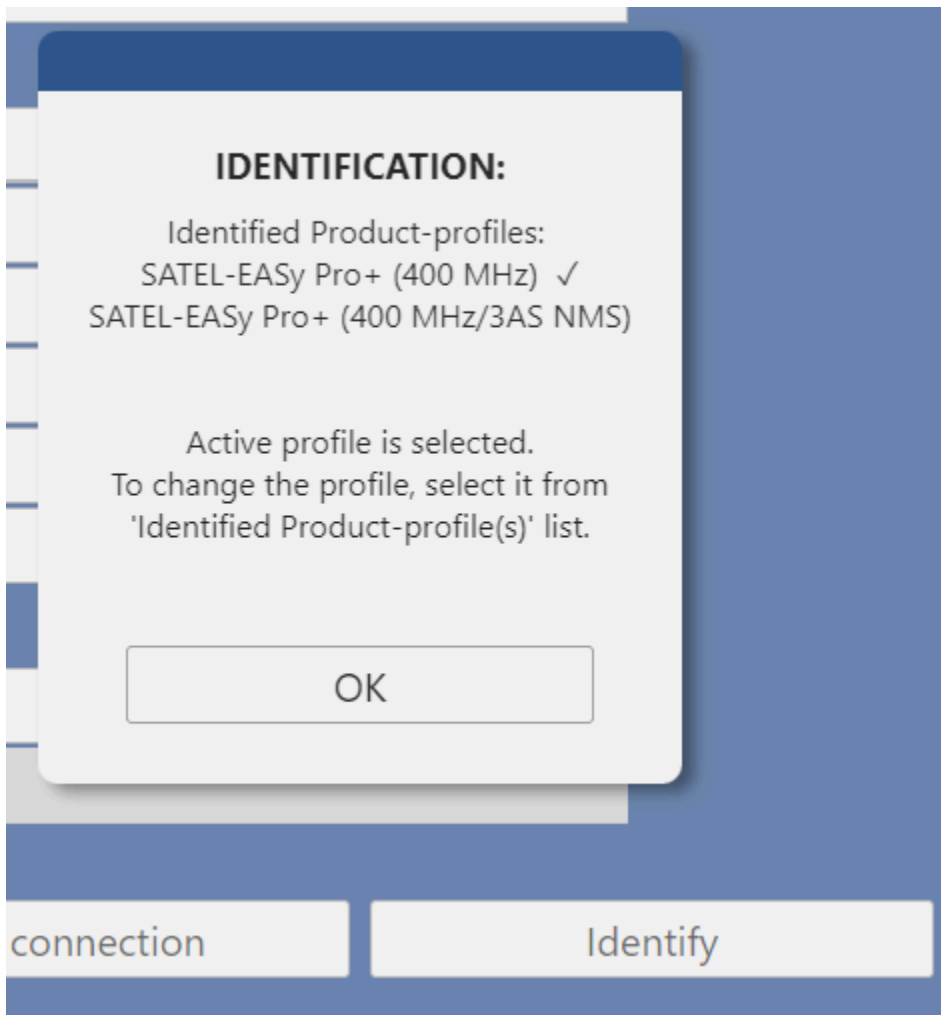
Click OK in the identification window, then on Product Navigator:

Product Navigator >

Select Editor:

Product: SATEL-EASy Pro+ (400 MHz)

L   SATEL-EASy Pro+ Radio 400MHz   ≡

Firmware Update   Editor >

Once in the settings screen, select the Channel List tab:

S SATEL NETCO DEVICE CE - Editor

← **SATEL-EASy Pro+ Radio 400MHz**

GENERAL   RADIO   **CHANNEL LIST**   SERIAL INTERFACE   NE

CHANNEL LIST SETTINGS

File import	» Select file..
File export	» Export to file..
Use Channel List	OFF ⬤ ON
Manual Scan Channel Count	0
Manual Scan Default Channel	0

CHANNEL LIST (0)

| | Add the First Item |

ce 2.19.1 advanced serial

SATEL U.S.A.

Enable the "Use channel list" setting and click "Add first item"

GENERAL	RADIO	CHANNEL LIST	SERIAL INTERFACE	NETWOF

CHANNEL LIST SETTINGS

File import	» Select file..
File export	» Export to file..
Use Channel List	OFF ⬤ ON
Manual Scan Channel Count	0
Manual Scan Default Channel	0

CHANNEL LIST (0)

	Add the First Item

Add a channel using the following format:

N: Channel number (-32767 to 32767)
FT: Transmission frequency, in Hz (not Megahertz). This number is 9 digits long with no decimal point.
FR: Reception frequency, in Hz (not Megahertz). This number is 9 digits long with no decimal point.
W: Channel width in Hz, either 12500 for 12.5 kHz or 25000 for 25kHz. This number is 5 digits long with no decimal point.
P: Power level in millwatts. For no power limit, use the value 0

In the example we have programmed above, Channel 1 will transmit and receive on 455.000 MHz, using a 12.5kHz channel spacing, with a 35W power limit.

To add additional channels, click Add After or Add Before.

Also, make sure to set a valid default channel, in this example we use channel 1 as default..

Step 3: Enable SURV mode on EASy+ / EASy Pro+

Note: Older Satel radios such as EASy and EASy Pro require special firmware to enable Survey (Channel List) mode. This section is not relevant to those older radios.

Return to the General settings tab and change the "LCD Mode" setting to SURV:
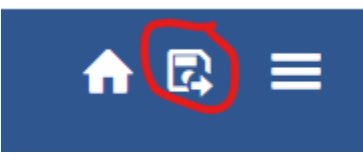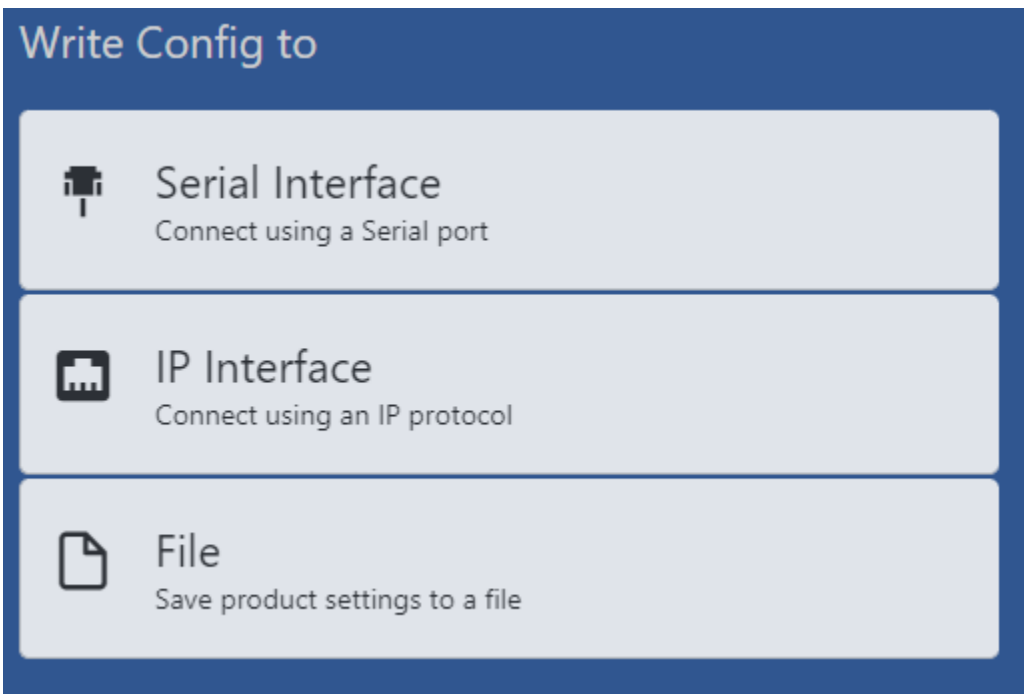
Step 4: Write settings to radio

Click the Save button in the upper right corner:

Select Serial interface to write this to the radio:

Click Write to save these settings to the radio. The software should remember the configured serial port settings:

Serial Interface

WRITE SERIAL INTERFACE SETTINGS

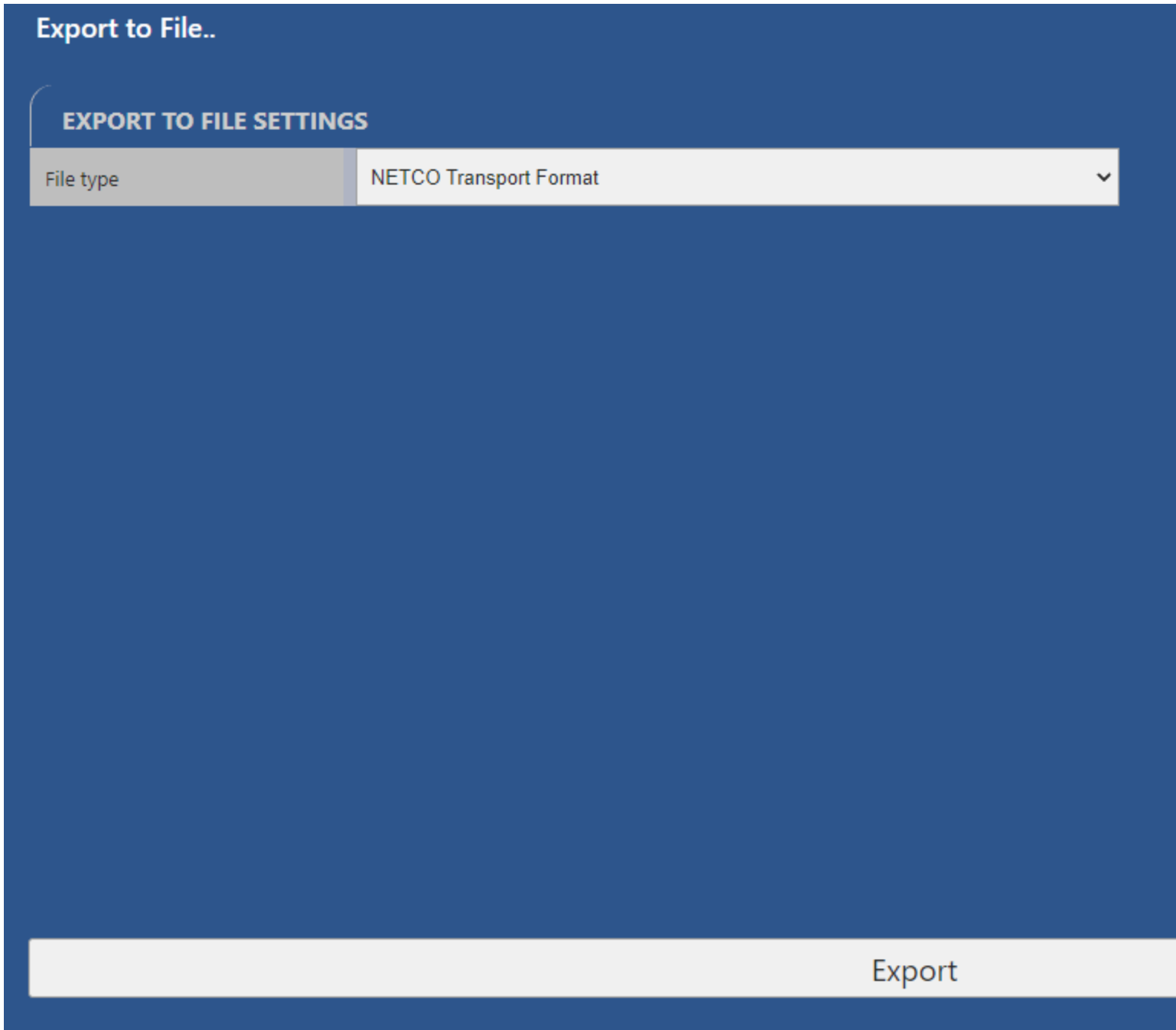| Device connection option	Force configuration mode
Send Serial Port Prefix-Suffix	Disabled
Check Compatibility	✓

WRITE SERIAL INTERFACE

Port Detection	» COM1,COM3,COM4
Port name	COM4
Port rate	115200 bps
Data bits	8 bits
Stop bits	1 bit
Parity	None

Detect Ports	Test connection

Step 5: (optional) Save settings to file

Return to the save menu using the icon in the upper right corner, and select file, then export the settings:

Export to File..

EXPORT TO FILE SETTINGS

| File type | NETCO Transport Format | ⌄ |

Export