

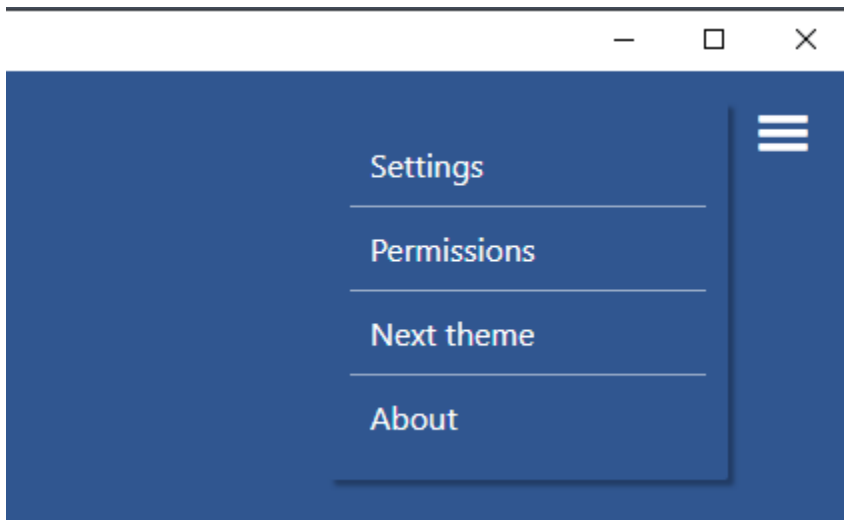
# Programming Channel Lists with NETCO Device

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:

**Permissions**

**PERMISSIONS SETTINGS**

Userlevel	Assisted
Userlevel Elevation token	.....

**IMPORT USER PERMISSIONS**

Date last imported	2024-09-24 19:09:11 UTC
Date created	2022-03-28 09:03:52 UTC
1. Enter File Password (import)	Enter password...
2A. Import From File	» Import..
2B. Import From URL	https://ipaddr.com/path/file.ext

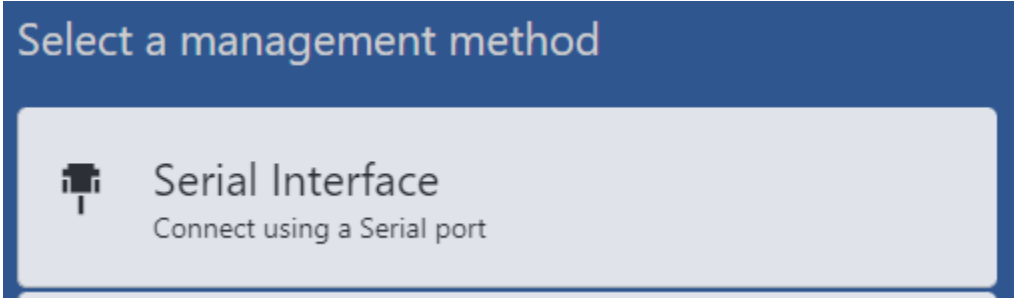
**ORGANIZATION**

Organization Name	SATEL U.S.A.
Contact Information 1	
Contact Information 2	

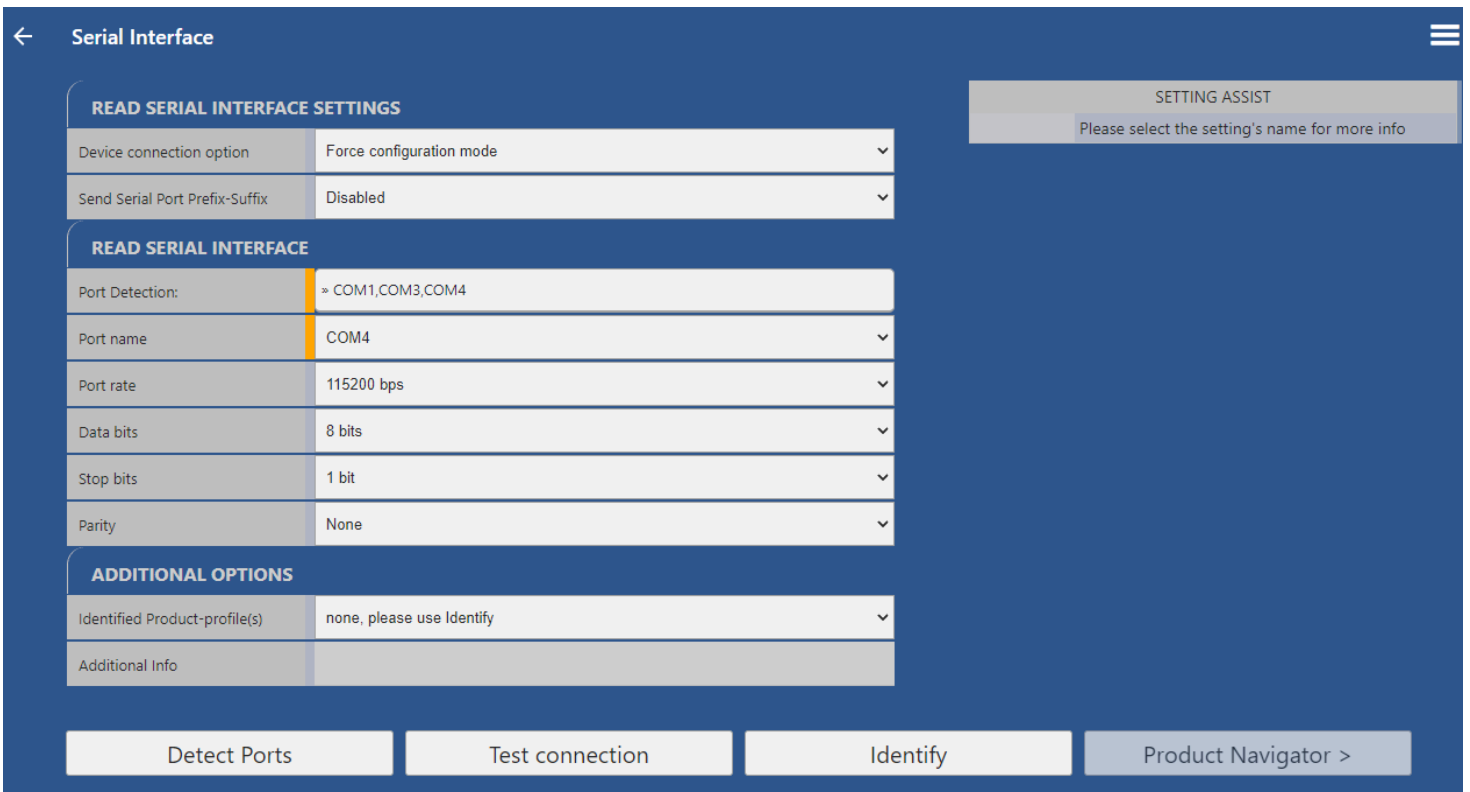
The user level should change to “Advanced”

## Step 2: Connect to radio

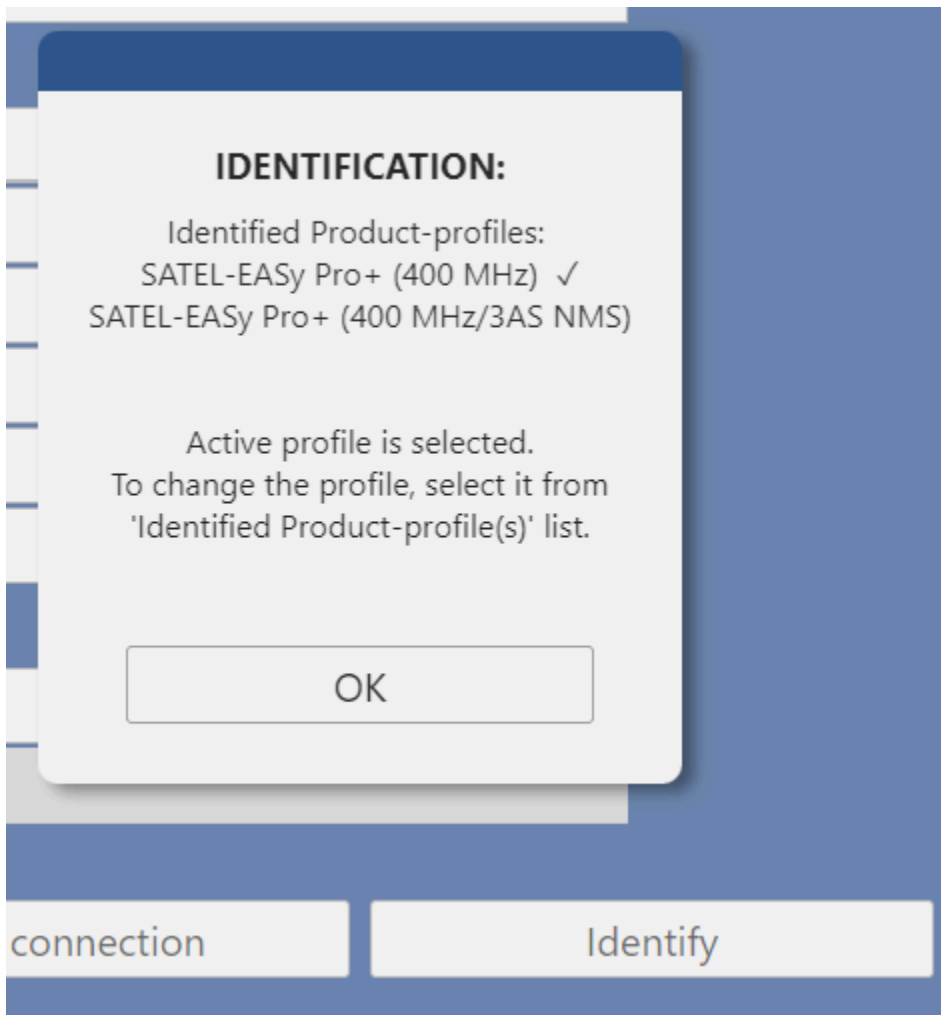
Return to the main menu using the back button, then select Serial Interface:



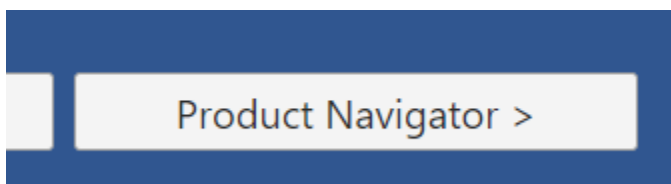
Select your COM port and baud rate for the radio. In this example, we are using COM4 and 115200 bps (the default serial port rate for EASy+ and EASy Pro+):



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



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



Select Editor:

Product: SATEL-EASy Pro+ (400 MHz)

SATEL-EASy Pro+ Radio 400MHz

Firmware Update

Editor >

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

## ← 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



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

GENERAL RADIO **CHANNEL LIST** SERIAL INTERFACE NETWORK

### CHANNEL LIST SETTINGS

File import	» Select file..
File export	» Export to file..
Use Channel List	OFF <input checked="" type="checkbox"/> 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 milliwatts. For no power limit, use the value 0

The screenshot shows the 'CHANNEL LIST' tab of the SATEL-EASy Pro+ Radio 400MHz software. The interface is divided into several sections:

- CHANNEL LIST SETTINGS:** Contains five rows of settings:
  - File import: Select file..
  - File export: Export to file..
  - Use Channel List: OFF (toggle switch)
  - Manual Scan Channel Count: 0
  - Manual Scan Default Channel: 1
- CHANNEL LIST (1):** Contains one row of channel configuration:
  - Channel List [0]: N:1 FT:455000000 FR:455000000 W:12500 P:35000

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:



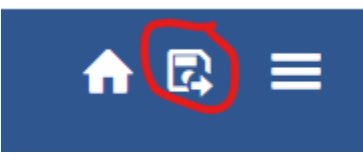
The screenshot displays the configuration interface for a SATEL-EASy Pro+ Radio 400MHz. The interface is divided into several tabs: GENERAL, RADIO, CHANNEL LIST, SERIAL INTERFACE, and NETW. The GENERAL tab is currently selected. The settings are organized into a table with two columns: the setting name and its current value. The 'LCD Mode' setting is highlighted with a yellow border, and its dropdown menu is open, showing 'SURV' as the selected option. Other settings include Power Save Mode (OFF), Region Code (Default), SL Commands Mode (ON), Temperature Ceiling (22), Voltage (13.7), Programming Mode (ON), Change Counter CRC (1607), RSSI Led Indication (OFF), and RSSI Led Indication Limits (Yellow:-96, Red:-105). At the bottom of the screen, there is a 'CUSTOMER INFO' section.

Setting	Value
Power Save Mode	OFF <input type="checkbox"/> ON
Region Code	Default
SL Commands Mode	ON
Temperature Ceiling	22
Voltage	13.7
Programming Mode	ON
Change Counter CRC	1607
LCD Mode	SURV
RSSI Led Indication	OFF <input type="checkbox"/> ON
RSSI Led Indication Limits	Yellow:-96, Red:-105

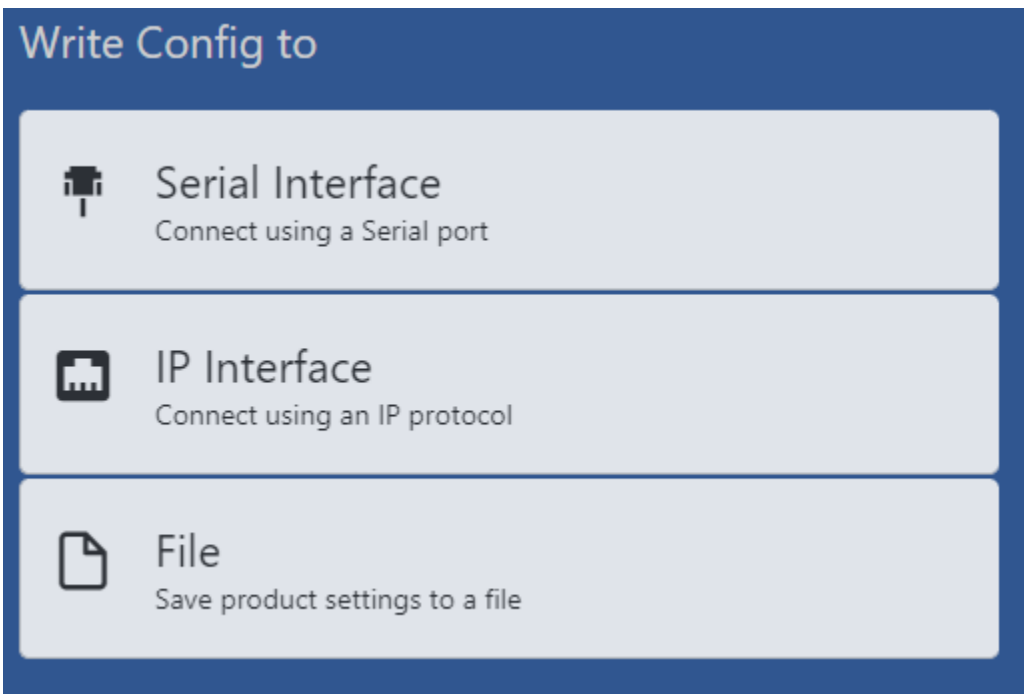
**CUSTOMER INFO**

## 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	<input checked="" type="checkbox"/>	

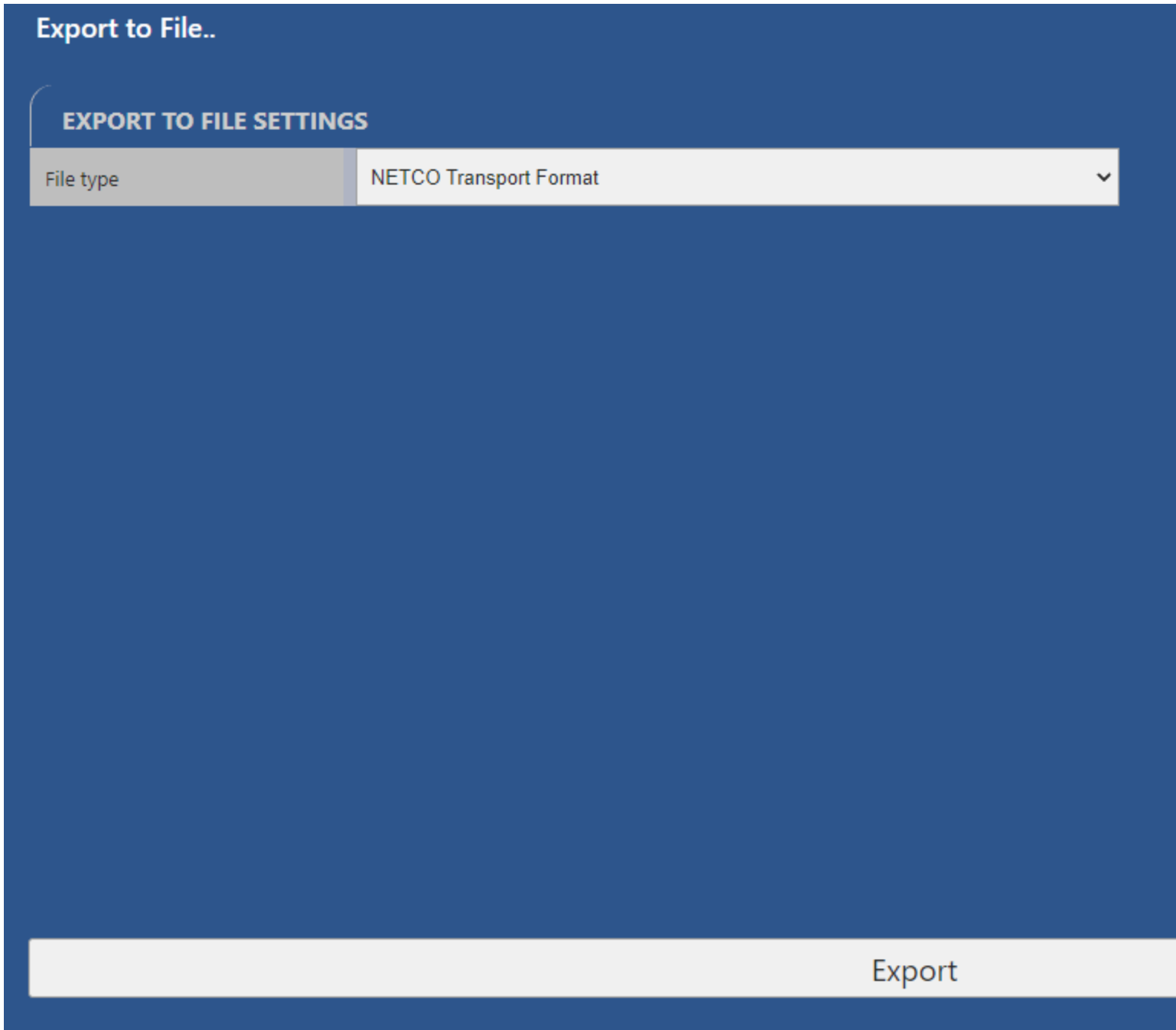
### WRITE SERIAL INTERFACE

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:



The image shows a software interface for exporting settings. At the top left, the text "Export to File.." is displayed. Below it, a section titled "EXPORT TO FILE SETTINGS" contains a dropdown menu labeled "File type" with the selected option "NETCO Transport Format". At the bottom right of the interface, there is a prominent "Export" button.