

# TR 7837 MANUAL



# 1 OVERVIEW

This software allows you to set more easily a TV meter setup.

The main page has three paragraphs:

[A menu wich allows you to access the different functions](#),

[A first table, with a yellow background, has a list of setups](#)

[A second table, with a white background, has a list of measurements](#) among the twenty possible measurements, on the left there's the parameters of each list, on the right 2 buttons allows you to browse among the lists and [finally a third buttons allows you to export the values entered to the TV meter](#).

TR7837 Version 1.0

File Edition Language ?

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 4            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 8            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 9            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 10           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 11           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 12           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 13           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 14           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Measurement list

List number: 0

List name:

L01 frequency:

L02 frequency:

L0 select:

Polarization select:

Positioner:

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |

Next list

Previous list

Export

If the mouse pointer is paused on an active part of the page, informations regarding the page will appear.

[illegible]

## 2 LIBRARY, LIST OF MEASUREMENTS

In order to make easier the recall of data in the field, the instrument uses a library of 1000 setups and 20 lists of measurements with 50 lines.

A setup corresponds to a terrestrial, cable or satellite broadcast, the parameters of a setup depend only on the broadcaster.

Example : in order to free a frequency band for the 4G (LTE) telephony the terrestrial frequencies had to be modified, the library has to be updated.

A list of measurements corresponds to a terrestrial, cable or satellite or mixed reception.

The parameters of a list depends on how the reception is performed and obviously on the setups which have to be received.

To create a list, you have to choose several setups previously entered in the library and then define the reception parameters.

Example : in the case of a two satellites ASTRA HOTBIRD reception you have to choose some ASTRA setups, some HOTBIRD setups, define the high and low frequencies of LNB, indicate the type of switch used and then assign in the table the ASTRA setups to a switch position and the HOT BIRD setups to another.

The same setup can be used in several lists of measurements.

A setup can use 2 satellite dishes : ASTRA 19.2 in DiSEqC position A and HOT BIRD 13 in DiSEqC position B.

Another can use 3 satellite dishes : ATLANTIC BIRD 3 in DiSEqC position A, ASTRA 1 in DiSEqC position B and HOT BIRD in DiSEqC position C.

The same setup can be used several times in the same list of measurements : ZDF SatCR slot 0, ZDF SatCR slot 1, ZDF SatCR slot 2, ZDF SatCR slot 3 the aim is to check quickly all the slots of a SatCR equipment.

If a parameter of a setup changes, for example a modification of rate or change from DVB-S to DVB-S2, only the setup inside the library should be updated, the lists of measurements which include this setup will be operational again.

## 3 LIBRARY OF SETUPS

A setup is made of :

a setup name in 8 characters

a place name in 10 characters

a standard

a frequency

a channel number in terrestrial or cable mode

a frequency map in terrestrial or cable mode

a vertical or horizontal polarization in satellite mode

a low or high LNB band in satellite mode

an analogical mono stereo or NICAM audio mode in terrestrial or cable mode

a constellation type 64QAM 256QAM under DVB-C and MCNS

a 5, 6, 7 or 8 MHz bandwidth under DVB-T and DVB-T2

a symbol rate under DVB-C, MCNS, DVB-S, DVB-S2 or DSS

a value for the guard interval under DVB-T and DVB-T2

the inversion or not of the spectrum under DVB-T

According to the terrestrial, cable or satellite band mode and to the standard, some parameters have no influence, they appear in grey in the table.

The place name may distinguish two distinct emitters, example TF1 Paris and TF1 Versailles.

The frequency map parameter associated with the setup allows inhabitants of neighboring countries to keep on using channel numbers.

## 4 LISTS OF MEASUREMENTS

A list of measurement is made of :

a list name in 10 characters

the low band frequency mixer of the LNB (LO1)

the high band frequency mixer of the LNB (LO2)

the selection mode low band / high band of the LNB

the selection mode of the polarization

the presence of the position number of the positioner (motorized satellite dish)

50 lines including each:

a setup number corresponding to the setup list

the presence and the functioning mode of the switch, committed type

the position of the switch, committed type

the presence and the functioning mode of the switch, uncommitted type

the position of the switch, uncommitted type

the presence of SatCR equipment

the SatCR slot number

the position of the SatCR switch

A few of these parameters are specific to the satellite band and have no influence in terrestrial and cable bands

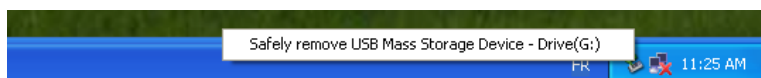
## 5 EXPORT KEY

This key generates, on an USB memory stick, a setup file compatible with the TV meter.

After entering all the data, click on this button



Finally eject the USB memory stick from the computer.



### 5.1 TV meter from the 7806 – 7847 family

For the TV meter of the 7806/7847 family, press twice the tool box key, the following page will appear :



Turn the wheel until the line « Config. <-> USB » is selected

Insert the USB memory stick and confirm.



Check that the USB port enabled is the USB port A.

## 5.2 7817 and 7849 TV meters

Press the home key



The Home page will appear:



Finally press the “Configuration import” key



## 5.3 TV meter from the 7870 family

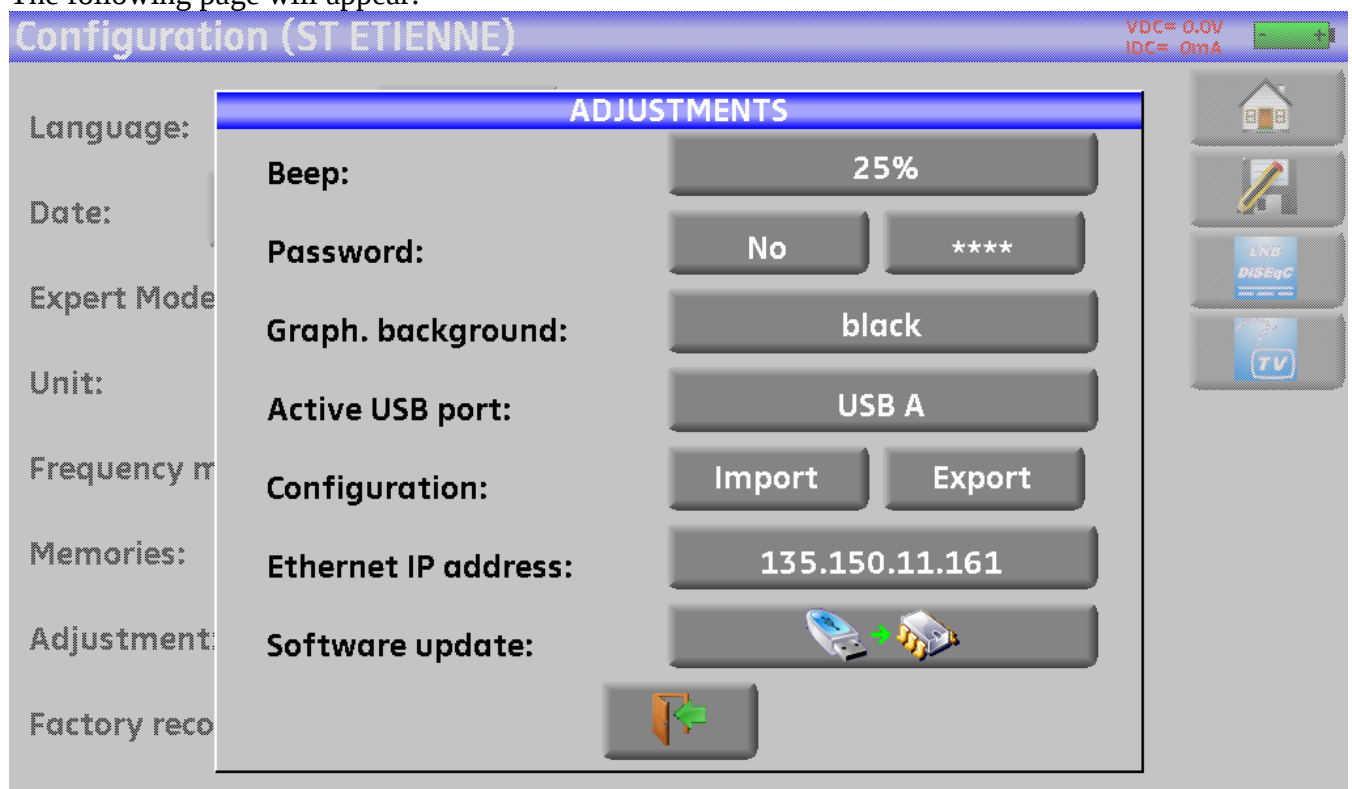
For TV meters from the 7870 family, press the home key



Then press the Configuration key



And then press the adjustments key  
The following page will appear:



Insert the USB memory stick

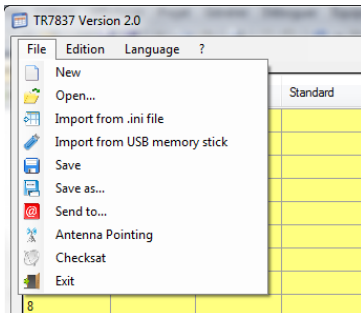
Finally press the “Import” key



Check that the USB port enabled is the USB port A

## 6 MENUS

## 6.1 File Menu



[New](#) allows you to initialize all the parameters.

[Open](#) allows you to open a configuration file.

[Import from .ini file](#) allows you to import in the library the data from an .ini. file.

[Import from USB memory stick](#) allows you to import in the library, the lists and the Checksat, the data from the export of the TV meter configuration.

[Save](#) allows you to save the data previously entered in the current file.

[Save as](#) allows you to save the data previously entered in the desired file.

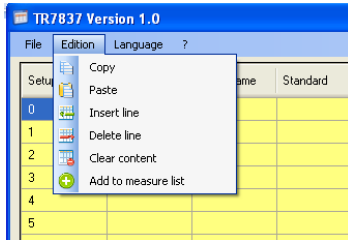
[Send to](#) allows you to attach the file to an email and to send it as attached document.

[Antenna Pointing](#) opens the table of the antenna pointing parameters.

[Checksat](#) opens the table of the checksat parameters.

[Exit](#) allows you to close the application.

## 6.2 Edition Menu



**Copy** allows you to copy in the clipboard the data selected with the mouse.

**Paste** allows you to paste the content of the clipboard to the location of the mouse cursor.

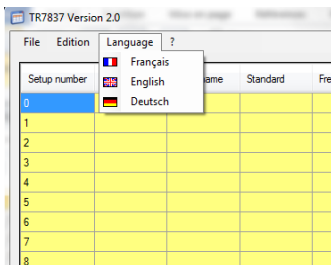
**Insert line** allows you to insert a line in the table above the cursor.

**Delete line** allows you to remove the line pointed by the cursor in the table.

**Clear content** allows you to erase the data selected with the mouse.

**Add to measure list** allows you to add the selected setup(s) from the library, to the place of the selected line of the list of measurements.

## 6.3 Language Menu



**Français** allows you to choose the French language for the software interface.

**English** allows you to choose then English language.

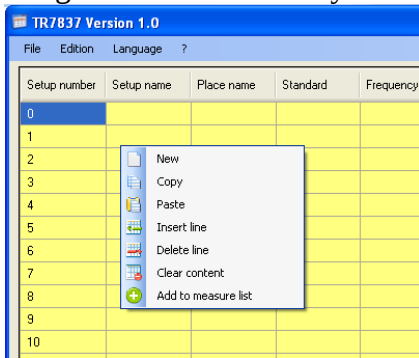
**Deutch** allows you to choose then German language.

## 6.4 Help Menu ?

Allows you to display, like the F1 key, this help file.

## 6.5 Library popup menu

A right click on the library table will display the following menu :



**New** allows you to initialize the library setups only

**Copy** allows you to copy in the clipboard the selected data with the mouse.

**Paste** allows you to paste the content of the clipboard in the location of the cursor.

**Insert line** allows you to insert an empty line in the library above the cursor.

**Delete line** allows you to delete the line pointed by the cursor in the library.

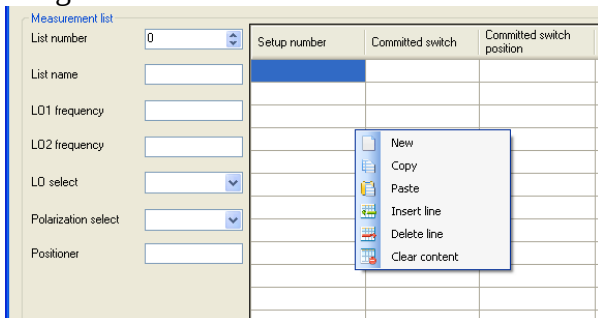
**Clear content** allows you to clear the selected date with the mouse.

**Add to measure list** allows you to add the setup(s) selected from the library, to the place of the selected line of the list of measure.

When a line is inserted or deleted in the library, measure lists are updated automatically.

## 6.6 Measurement list popup menu

A right click on a measurement list table will display the following menu :



**New** allows you to initialize the setups of the measurement list only.

**Copy** allows you to copy in the clipboard the data selected with the mouse.

**Paste** allows you to paste the content of the clipboard to the place of the cursor.

**Insert line** allows you to insert an empty line in the list above the cursor.

**Delete line** allows you to delete the line pointed by the cursor in the library.

**Clear content** allows you to clear the data selected with the mouse.

## 7 SETUP LIBRARY TABLE

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 4            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 8            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 9            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 10           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 11           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 12           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 13           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 14           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

This table allows you to indicate [the parameters of each setup](#)

Give a name to the setup

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

And a name to the place

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Choose a standard from the list

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 4            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 8            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 9            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 10           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 11           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 12           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

When the standard is selected the unnecessary parameters will appear in grey:

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  |           |                |                 |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Now two choices are possible : frequencies map or channel number capture

Frequency capture in MHz

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610       |                |                 |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Or channel number capture

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TVA Intracommunautaire: FR 19790833404

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  |           | 38             |                 |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Then choose the frequencies map from the list

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 2,250     | 38             | ▼               |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                | -               |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                | Europa cable    |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                | Europa          |              |          |            |               |           |             |                |                    |
| 4            |            |            |          |           |                | France cable    |              |          |            |               |           |             |                |                    |
| 5            |            |            |          |           |                | France          |              |          |            |               |           |             |                |                    |
| 6            |            |            |          |           |                | UK              |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                | Italy           |              |          |            |               |           |             |                |                    |
| 8            |            |            |          |           |                | OIRT            |              |          |            |               |           |             |                |                    |
| 9            |            |            |          |           |                | Australia       |              |          |            |               |           |             |                |                    |
| 10           |            |            |          |           |                | Korea           |              |          |            |               |           |             |                |                    |
|              |            |            |          |           |                | Japan cable     |              |          |            |               |           |             |                |                    |
|              |            |            |          |           |                | USA cable       |              |          |            |               |           |             |                |                    |
|              |            |            |          |           |                | USA             |              |          |            |               |           |             |                |                    |

The frequency is updated automatically according to the standard, channel number and frequencies map.

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E 38)      | France ▼        |              |          |            |               |           |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Choose the bandwidth from the list

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E 38)      | France          |              |          |            |               | ▼         |             |                |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               | -         |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               | 5 MHz     |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               | 6 MHz     |             |                |                    |
| 4            |            |            |          |           |                |                 |              |          |            |               | 7 MHz     |             |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               | 8 MHz     |             |                |                    |

Then the value of the guard interval

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             | 1/4            |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             | 1/8            |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             | 1/16           |                    |
| 4            |            |            |          |           |                |                 |              |          |            |               |           |             | 1/32           |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Finally the spectrum inversion or not

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           | inv                |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

If several setups have common features the copy/paste function can be interesting, select the cells to copy, right click with the mouse, choose Copy.

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 4            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 8            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Move the cursor of the mouse on the desired cell, choose Paste

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           |                    |
| 1            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 4            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 8            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 9            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

## Result

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           |                    |
| 1            | TNT-R1     | ST-ETIENNE | DVB-T/H  |           |                | France          |              |          |            |               | 8 MHz     |             | auto           |                    |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

## Modify and add the missing values

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 1            | TNT-R2     | ST-ETIENNE | DVB-T/H  | 658,000   | 44 (E44)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 2            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 3            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

## Repeat the operation as many time as you want

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 1            | TNT-R2     | ST-ETIENNE | DVB-T/H  | 658,000   | 44 (E44)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 2            | TNT-R3     | ST-ETIENNE | DVB-T/H  | 778,000   | 59 (E59)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 3            | TNT-R4     | ST-ETIENNE | DVB-T/H  | 626,000   | 40 (E40)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 4            | TNT-HD     | ST-ETIENNE | DVB-T/H  | 698,000   | 49 (E49)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 5            | TNT-R6     | ST-ETIENNE | DVB-T/H  | 674,000   | 46 (E46)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Now it is possible to create another place using the previous one using copy/paste/modify.

## Copy

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 1            | TNT-R2     | ST-ETIENNE | DVB-T/H  | 658,000   | 44 (E44)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 2            | TNT-R3     | ST-ETIENNE | DVB-T/H  | 778,000   | 59 (E59)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 3            | TNT-R4     | ST-ETIENNE | DVB-T/H  | 626,000   | 40 (E40)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 4            | TNT-HD     | ST-ETIENNE | DVB-T/H  | 698,000   | 49 (E49)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 5            | TNT-R6     | ST-ETIENNE | DVB-T/H  | 674,000   | 46 (E46)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 8            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 9            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 10           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 11           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 12           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 13           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

## Paste

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 1            | TNT-R2     | ST-ETIENNE | DVB-T/H  | 658,000   | 44 (E44)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 2            | TNT-R3     | ST-ETIENNE | DVB-T/H  | 778,000   | 59 (E59)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 3            | TNT-R4     | ST-ETIENNE | DVB-T/H  | 626,000   | 40 (E40)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 4            | TNT-HD     | ST-ETIENNE | DVB-T/H  | 698,000   | 49 (E49)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 5            | TNT-R6     | ST-ETIENNE | DVB-T/H  | 674,000   | 46 (E46)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 8            | TNT-R2     | ST-ETIENNE | DVB-T/H  | 658,000   | 44 (E44)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 9            | TNT-R3     | ST-ETIENNE | DVB-T/H  | 778,000   | 59 (E59)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 10           | TNT-R4     | ST-ETIENNE | DVB-T/H  | 626,000   | 40 (E40)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 11           | TNT-HD     | ST-ETIENNE | DVB-T/H  | 698,000   | 49 (E49)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 12           | TNT-R6     | ST-ETIENNE | DVB-T/H  | 674,000   | 46 (E46)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 13           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

## Modify

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | TNT-R1     | ST-ETIENNE | DVB-T/H  | 610,000   | 38 (E38)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 1            | TNT-R2     | ST-ETIENNE | DVB-T/H  | 658,000   | 44 (E44)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 2            | TNT-R3     | ST-ETIENNE | DVB-T/H  | 778,000   | 59 (E59)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 3            | TNT-R4     | ST-ETIENNE | DVB-T/H  | 626,000   | 40 (E40)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 4            | TNT-HD     | ST-ETIENNE | DVB-T/H  | 698,000   | 49 (E49)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 5            | TNT-R6     | ST-ETIENNE | DVB-T/H  | 674,000   | 46 (E46)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            | TNT-R1     | PILAT      | DVB-T/H  | 650,000   | 43 (E43)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 8            | TNT-R2     | PILAT      | DVB-T/H  | 658,000   | 44 (E44)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 9            | TNT-R3     | PILAT      | DVB-T/H  | 778,000   | 59 (E59)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 10           | TNT-R4     | PILAT      | DVB-T/H  | 626,000   | 40 (E40)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 11           | TNT-HD     | PILAT      | DVB-T/H  | 698,000   | 49 (E49)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 12           | TNT-R6     | PILAT      | DVB-T/H  | 674,000   | 46 (E46)       | France          |              |          |            |               | 8 MHz     |             | auto           | -                  |
| 13           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Only the place name and the R1 multiplex had to be modified for this example.

For the cable setup follow the same method.

For the satellite setups it is easier to modify from [Import from an .ini. file](#) but this method is also possible.

## 8 MEASUREMENT LIST TABLE

From a setup library which contains ASTRA and HOT BIRD setups : creation of three measurement lists, one for ASTRA, one for HOT BIRD and one for two satellite dishes linked by a DiSEqC switch.

[illegible]

Enter the name of the first list : ASTRA.

**Measurement list**

| List number         | Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|---------------------|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 0                   |              |                  |                           |                    |                             |                  |             |              |
| Astra               |              |                  |                           |                    |                             |                  |             |              |
| L01 frequency       |              |                  |                           |                    |                             |                  |             |              |
| L02 frequency       |              |                  |                           |                    |                             |                  |             |              |
| L0 select           |              |                  |                           |                    |                             |                  |             |              |
| Polarization select |              |                  |                           |                    |                             |                  |             |              |
| Positioner          |              |                  |                           |                    |                             |                  |             |              |
|                     |              |                  |                           |                    |                             |                  |             |              |
|                     |              |                  |                           |                    |                             |                  |             |              |
|                     |              |                  |                           |                    |                             |                  |             |              |
|                     |              |                  |                           |                    |                             |                  |             |              |
|                     |              |                  |                           |                    |                             |                  |             |              |
|                     |              |                  |                           |                    |                             |                  |             |              |
|                     |              |                  |                           |                    |                             |                  |             |              |

Next list  
Previous list  
Export

Enter the frequency of the two 9750 and 10600 MHz mixers in the case of a universal LNB.

**Measurement list**

| List number          | Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|----------------------|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| List name: ASTRA     |              |                  |                           |                    |                             |                  |             |              |
| L01 frequency: 9750  |              |                  |                           |                    |                             |                  |             |              |
| L02 frequency: 10600 |              |                  |                           |                    |                             |                  |             |              |
| L0 select:           |              |                  |                           |                    |                             |                  |             |              |
| Polarization select: |              |                  |                           |                    |                             |                  |             |              |
| Positioner:          |              |                  |                           |                    |                             |                  |             |              |

[Next list](#)  
[Previous list](#)  
[Export](#)

Choose the band selections and the 22 kHz and 13/18 volts polarization, for a universal LNB.

**Measurement list**

| List number                 | Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|-----------------------------|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| List name: ASTRA            |              |                  |                           |                    |                             |                  |             |              |
| LO1 frequency: 9750         |              |                  |                           |                    |                             |                  |             |              |
| LO2 frequency: 10600        |              |                  |                           |                    |                             |                  |             |              |
| LO select: 0/22 kHz         |              |                  |                           |                    |                             |                  |             |              |
| Polarization select: 13/18V |              |                  |                           |                    |                             |                  |             |              |
| Positioner:                 |              |                  |                           |                    |                             |                  |             |              |

[Next list](#)  
[Previous list](#)  
[Export](#)

You just have to add setups in the measurement list from the library

Select the first six setups using the mouse, click right to choose Add to the measure list.

[illegible]

Setups are added automatically in the measure list from the current position.

[illegible]

In the case of a simple installation with a single satellite dish, there is no other parameter to enter. Click on the Next list button to create a HOT BIRD measurement list

Repeat the previous operations by changing the name list and by selecting the six HOT BIRD setups.

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10729,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 1            | ARD        | ASTRA 1    | DVB-S    | 10743,000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 2            | ANKE HD    | ASTRA 1    | DVB-S2   | 10773,000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 3            | DIGITAL+   | ASTRA 1    | DVB-S    | 10788,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 4            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10817,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 6            | CYFRA+     | HOT BIRD   | DVB-S    | 10719,000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 7            | ARQIVA     | HOT BIRD   | DVB-S    | 10723,000 | -              |                 | H            | L        |            |               |           | 29900       |                |                    |
| 8            | CYFROWY    | HOT BIRD   | DVB-S    | 10758,000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 9            | AFATS      | HOT BIRD   | DVB-S    | 10775,000 | -              |                 | H            | L        |            |               |           | 28000       |                |                    |
| 10           | CYFRA+     | HOT BIRD   | DVB-S    | 10796,000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 11           | RRSAT      | HOT BIRD   | DVB-S    | 10815,000 | -              |                 | H            | L        |            |               |           | 27500       |                |                    |
| 12           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 13           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 6            |                  |                           |                    |                             |                  |             |              |
| 7            |                  |                           |                    |                             |                  |             |              |
| 8            |                  |                           |                    |                             |                  |             |              |
| 9            |                  |                           |                    |                             |                  |             |              |
| 10           |                  |                           |                    |                             |                  |             |              |
| 11           |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |

Click on the Next list button to create the last ASTRA and HOT BIRD list.

Repeat the previous operations by changing the name list and by selecting all the setups from the library.

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10729,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 1            | ARD        | ASTRA 1    | DVB-S    | 10743,000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 2            | ANKE HD    | ASTRA 1    | DVB-S2   | 10773,000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 3            | DIGITAL+   | ASTRA 1    | DVB-S    | 10788,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 4            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10817,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 6            | CYFRA+     | HOT BIRD   | DVB-S    | 10719,000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 7            | ARQIVA     | HOT BIRD   | DVB-S    | 10723,000 | -              |                 | H            | L        |            |               |           | 29900       |                |                    |
| 8            | CYFROWY    | HOT BIRD   | DVB-S    | 10758,000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 9            | AFATS      | HOT BIRD   | DVB-S    | 10775,000 | -              |                 | H            | L        |            |               |           | 28000       |                |                    |
| 10           | CYFRA+     | HOT BIRD   | DVB-S    | 10796,000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 11           | RRSAT      | HOT BIRD   | DVB-S    | 10815,000 | -              |                 | H            | L        |            |               |           | 27500       |                |                    |
| 12           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 13           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 1            |                  |                           |                    |                             |                  |             |              |
| 2            |                  |                           |                    |                             |                  |             |              |
| 3            |                  |                           |                    |                             |                  |             |              |
| 4            |                  |                           |                    |                             |                  |             |              |
| 5            |                  |                           |                    |                             |                  |             |              |
| 6            |                  |                           |                    |                             |                  |             |              |
| 7            |                  |                           |                    |                             |                  |             |              |
| 8            |                  |                           |                    |                             |                  |             |              |
| 9            |                  |                           |                    |                             |                  |             |              |
| 10           |                  |                           |                    |                             |                  |             |              |
| 11           |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |
|              |                  |                           |                    |                             |                  |             |              |

Click on the line 5, right click to choose Clear content or Delete line

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TVA Intracommunautaire: FR 19790833404

Measurement list

List number: 2

List name: AST-HOT

L01 frequency: 9750

L02 frequency: 10600

L0 select: 0/22 kHz

Polarization select: 13/18V

Positioner:

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 1            |                  |                           |                    |                             |                  |             |              |
| 2            |                  |                           |                    |                             |                  |             |              |
| 3            |                  |                           |                    |                             |                  |             |              |
| 4            |                  |                           |                    |                             |                  |             |              |
| 5            |                  |                           |                    |                             |                  |             |              |
| 6            |                  |                           |                    |                             |                  |             |              |
| 7            |                  |                           |                    |                             |                  |             |              |
| 8            |                  |                           |                    |                             |                  |             |              |
| 9            |                  |                           |                    |                             |                  |             |              |
| 10           |                  |                           |                    |                             |                  |             |              |
| 11           |                  |                           |                    |                             |                  |             |              |

Context menu options: New, Copy, Paste, Insert line, Delete line, Clear content

Buttons: Next list, Previous list, Export

You have to indicate the switch, choose DiSEqC in the Committed switch column.

Measurement list

List number: 2

List name: AST-HOT

L01 frequency: 9750

L02 frequency: 10600

L0 select: 0/22 kHz

Polarization select: 13/18V

Positioner:

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 1            |                  |                           |                    |                             |                  |             |              |
| 2            |                  |                           |                    |                             |                  |             |              |
| 3            | ToneBurst        |                           |                    |                             |                  |             |              |
| 4            | DiSEqC           |                           |                    |                             |                  |             |              |
| 6            |                  |                           |                    |                             |                  |             |              |
| 7            |                  |                           |                    |                             |                  |             |              |
| 8            |                  |                           |                    |                             |                  |             |              |
| 9            |                  |                           |                    |                             |                  |             |              |
| 10           |                  |                           |                    |                             |                  |             |              |
| 11           |                  |                           |                    |                             |                  |             |              |

Buttons: Next list, Previous list, Export

Choose position A in the Switch committed position column

Measurement list

List number: 2

List name: AST-HOT

L01 frequency: 9750

L02 frequency: 10600

L0 select: 0/22 kHz

Polarization select: 13/18V

Positioner:

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 1            | DiSEqC           |                           |                    |                             |                  |             |              |
| 2            |                  |                           |                    |                             |                  |             |              |
| 3            |                  |                           |                    |                             |                  |             |              |
| 4            |                  |                           |                    |                             |                  |             |              |
| 6            |                  |                           |                    |                             |                  |             |              |
| 7            |                  |                           |                    |                             |                  |             |              |
| 8            |                  |                           |                    |                             |                  |             |              |
| 9            |                  |                           |                    |                             |                  |             |              |
| 10           |                  |                           |                    |                             |                  |             |              |
| 11           |                  |                           |                    |                             |                  |             |              |

Buttons: Next list, Previous list, Export

Copy/Paste for all the other setups of the list

Measurement list

List number: 2

List name: AST-HOT

L01 frequency: 9750

L02 frequency: 10600

L0 select: 0/22 kHz

Polarization select: 13/18V

Positioner:

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 1            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 2            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 3            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 4            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 6            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 7            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 8            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 9            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 10           | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 11           | DiSEqC           | Pos A                     |                    |                             |                  |             |              |

Next list

Previous list

Export

Modify the position of the switch for HOT BIRD to position B.

TR7837 Version 1.0

File Edition Language ?

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10729.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 1            | ARD        | ASTRA 1    | DVB-S    | 10743.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 2            | ANDRE HD   | ASTRA 1    | DVB-S2   | 10773.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 3            | DIGITAL+   | ASTRA 1    | DVB-S    | 10788.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 4            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10817.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 5            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 6            | CYFRA+     | HOT BIRD   | DVB-S    | 10719.000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 7            | ARQVA      | HOT BIRD   | DVB-S    | 10723.000 | -              |                 | H            | L        |            |               |           | 29900       |                |                    |
| 8            | CYFROWY    | HOT BIRD   | DVB-S    | 10758.000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 9            | AFATS      | HOT BIRD   | DVB-S    | 10775.000 | -              |                 | H            | L        |            |               |           | 28000       |                |                    |
| 10           | CYFRA+     | HOT BIRD   | DVB-S    | 10796.000 | -              |                 | V            | L        |            |               |           | 27500       |                |                    |
| 11           | RRSAT      | HOT BIRD   | DVB-S    | 10815.000 | -              |                 | H            | L        |            |               |           | 27500       |                |                    |
| 12           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 13           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 14           |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

Measurement list

List number: 2

List name: AST-HOT

L01 frequency: 9750

L02 frequency: 10600

L0 select: 0/22 kHz

Polarization select: 13/18V

Positioner:

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 1            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 2            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 3            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 4            | DiSEqC           | Pos A                     |                    |                             |                  |             |              |
| 6            | DiSEqC           | Pos B                     |                    |                             |                  |             |              |
| 7            | DiSEqC           | Pos B                     |                    |                             |                  |             |              |
| 8            | DiSEqC           | Pos B                     |                    |                             |                  |             |              |
| 9            | DiSEqC           | Pos B                     |                    |                             |                  |             |              |
| 10           | DiSEqC           | Pos B                     |                    |                             |                  |             |              |
| 11           | DiSEqC           | Pos B                     |                    |                             |                  |             |              |

Next list

Previous list

Export



When a line is selected in the measurement list, the corresponding setup is pointed automatically

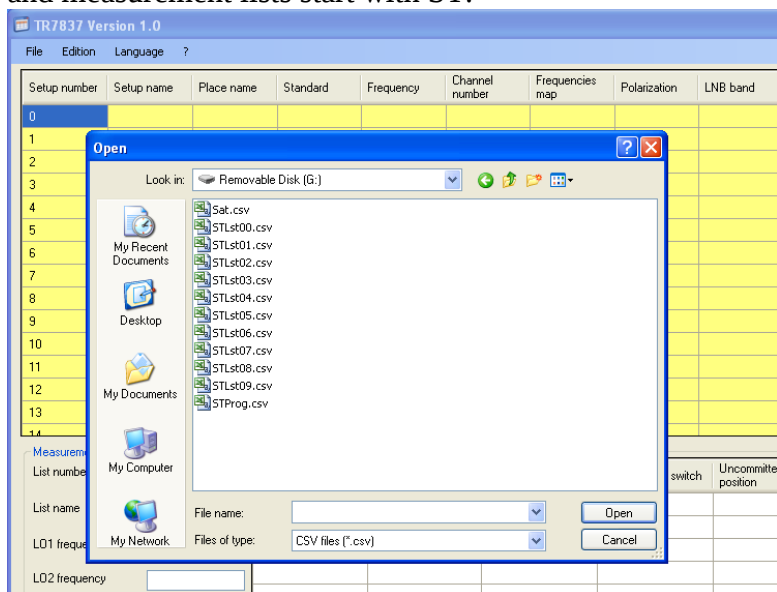
## 9 OPEN A FILE

The software works from CSV files, those files are tabulated text files, the different values are separated by semi-colon.

Depending on the software version of the TV meter the setup export will generate on the USB flash drive a setup file and a checksat file or 22 separated files : a checksat file, a library file and 20 files corresponding to the 20 measurements lists.

The software allows you to open and modify each of these files.

Files resulting of the setup export of a device covering the satellite and terrestrial bands : library files and measurement lists start with ST.



The Sat.csv file is for the checksat function

The STLst00.csv, STLst01.csv, STLst02.csv files... is for the measurement lists 0, 1, 2...

The STProg.csv file is for the setups library

Opening of the STProg.csv file, only the setup library is modified

[illegible]

Then opening of the STLst06.csv file, the list of measures #6 regarding the TURKSAT satellite is updated.

STLst06.csv - SEFRAM TR7837 Version 1.0

File

Edition

Language ?

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 312          | SKY UK     | ASTRA 2    | DVB-S    | 12422,000 |                |                 | H            |          |            |               |           | 27500       |                |                    |
| 313          | SKY UK     | ASTRA 2    | DVB-S    | 12441,000 |                |                 | V            |          |            |               |           | 27500       |                |                    |
| 314          | SKY UK     | ASTRA 2    | DVB-S2   | 12460,000 |                |                 | H            |          |            |               |           | 29500       |                |                    |
| 315          | SKY UK     | ASTRA 2    | DVB-S    | 12480,000 |                |                 | V            |          |            |               |           | 27500       |                |                    |
| 316          | SKY UK     | ASTRA 2    | DVB-S    | 12524,000 |                |                 | H            |          |            |               |           | 27500       |                |                    |
| 317          | SKY UK     | ASTRA 2    | DVB-S    | 12524,000 |                |                 | V            |          |            |               |           | 27500       |                |                    |
| 318          | SKY UK     | ASTRA 2    | DVB-S    | 12560,000 |                |                 | H            |          |            |               |           | 27500       |                |                    |
| 319          | SKY UK     | ASTRA 2    | DVB-S    | 12560,000 |                |                 | V            |          |            |               |           | 27500       |                |                    |
| 320          | SKY UK     | ASTRA 2    | DVB-S    | 12607,000 |                |                 | H            |          |            |               |           | 27500       |                |                    |
| 321          | SKY UK     | ASTRA 2    | DVB-S    | 12607,000 |                |                 | V            |          |            |               |           | 27500       |                |                    |
| 322          | SKY UK     | ASTRA 2    | DVB-S    | 12643,000 |                |                 | H            |          |            |               |           | 27500       |                |                    |
| 323          | SKY UK     | ASTRA 2    | DVB-S    | 12643,000 |                |                 | V            |          |            |               |           | 27500       |                |                    |
| 324          |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 325          | D-SMART    | TURKSAT    | DVB-S    | 10970,000 |                |                 | V            |          |            |               |           | 30000       |                |                    |
| 326          | D-SMART    | TURKSAT    | DVB-S    | 11012,000 |                |                 | V            |          |            |               |           | 30000       |                |                    |

Measurement list

List number

6

List name

TURKSAT

L01 frequency

9750

L02 frequency

10600

L0 select

0/22 kHz

Polarization select

13/18V

Positioner

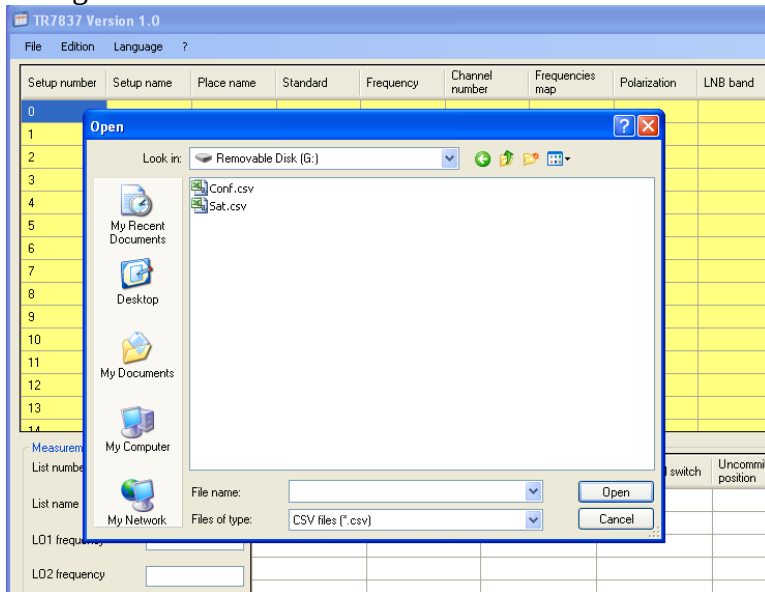
| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 325          |                  |                           |                    |                             |                  |             |              |
| 326          |                  |                           |                    |                             |                  |             |              |
| 327          |                  |                           |                    |                             |                  |             |              |
| 328          |                  |                           |                    |                             |                  |             |              |
| 329          |                  |                           |                    |                             |                  |             |              |
| 330          |                  |                           |                    |                             |                  |             |              |
| 331          |                  |                           |                    |                             |                  |             |              |
| 332          |                  |                           |                    |                             |                  |             |              |
| 333          |                  |                           |                    |                             |                  |             |              |
| 334          |                  |                           |                    |                             |                  |             |              |
| 335          |                  |                           |                    |                             |                  |             |              |
| 336          |                  |                           |                    |                             |                  |             |              |
| 337          |                  |                           |                    |                             |                  |             |              |

Next list

Previous list

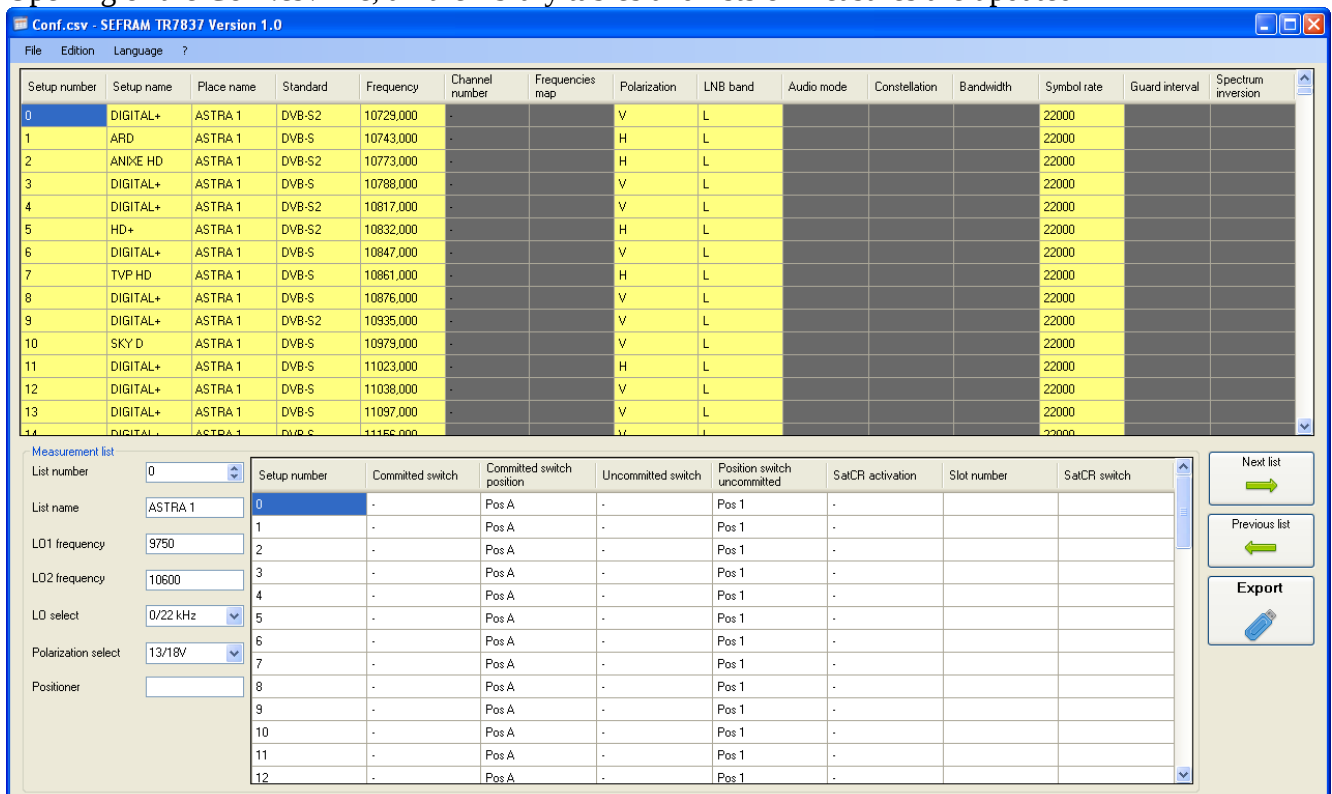
Export

Files resulting of the setup export of a device which has a new software version which produces a configuration file and a checksat file.



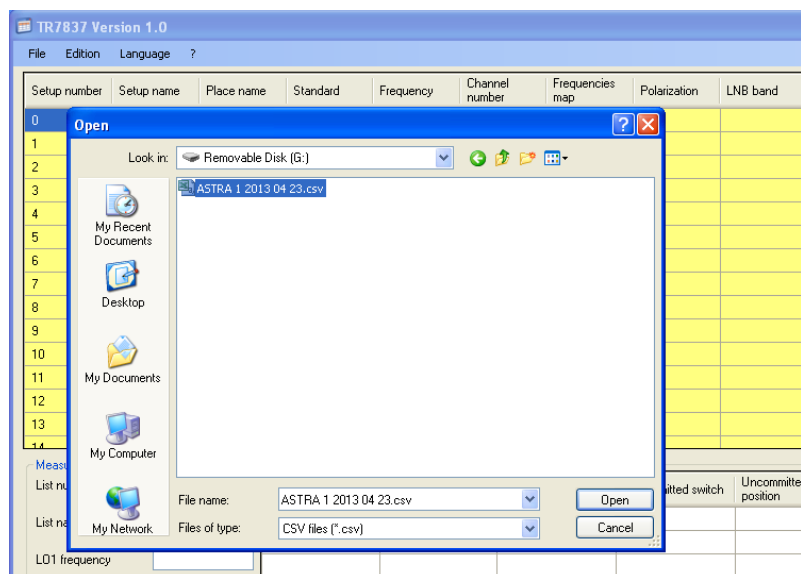
The Conf.csv file is made of the global configuration of the device, the library of setups and the 20 lists of measures.

Opening of the Conf.csv file, all the library tables and lists of measures are updated



Opening of a file previously saved from this software

The name file is the one chosen during the saving process, it is a unique file made of the device configuration, all the tables will be updated.



The name of the last file opened appears in the caption

## 10 IMPORT INI FILES

What is an « .INI. » file ?

An “.ini.” file is made of the parameters of a place (satellite). The data of this file are importable directly to the setup library.

The import files of the satellite setups receivable in Europe (Ku band) can be downloaded on the website <http://en.kingofsat.net/>, in the file «Satellite directory ». These files are updated regularly : we recommend you to check regularly this website for the latest details.

How to do?

Click on the following link <http://en.kingofsat.net/satellites.php> to access to the website.

The following page will display, do not check « Generate .ini files with frequencies in kHz ».

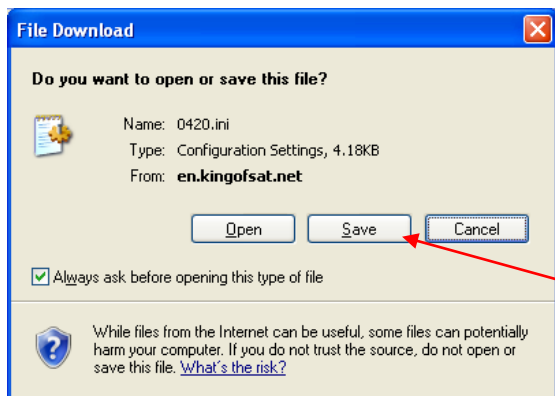
Satellite directory - KingOfSat - Windows Internet Explorer

<http://en.kingofsat.net/satellites.php>

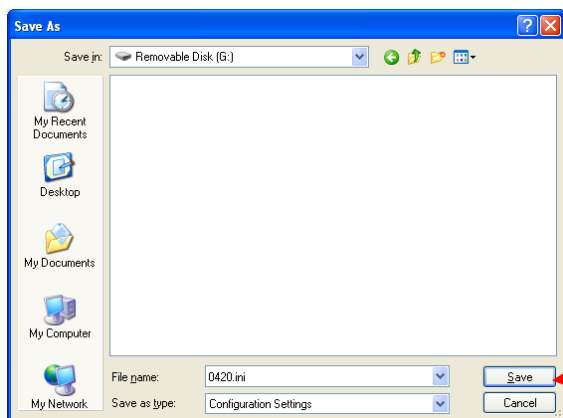
Generate .ini files with frequencies in kHz (allow more complete scans for low SRs, compatibility depending on software used)

| Orbital position | News | .ini | Total Ku | Total C | Free To Air only | TV  | Radios | Data | Satellite           | Longitude Now | Declination Now - Max | Total | Free To Air only | Last updated     |
|------------------|------|------|----------|---------|------------------|-----|--------|------|---------------------|---------------|-----------------------|-------|------------------|------------------|
| 75.0°E           |      |      | 98       | 0       | 40               | 92  | 6      | 0    | ABS-1               | 74.99°E       | -0.04° 0.06°          | 98    | 40               | 2013-01-26 13:28 |
| 70.5°E           |      |      | 6        | 0       | 2                | 2   | 4      | 0    | Eutelsat 70B        | 70.47°E       | 0.02° 0.02°           | 6     | 2                | 2013-02-10 09:21 |
| 68.5°E           |      |      | 136      | 265     | 231              | 286 | 108    | 7    | Intelsat 7 (IS-7)   | 68.65°E       | -0.05° 0.06°          | -     | -                | 2012-12-30 17:45 |
|                  |      |      |          |         |                  |     |        |      | Intelsat 20 (IS-20) | 68.56°E       | -0.01° 0.01°          | 401   | 231              | 2013-04-28 03:25 |
| 66.0°E           |      |      | 18       | 121     | 96               | 127 | 12     | 0    | Intelsat 17         | 65.99°E       | -0.04° 0.04°          | 139   | 96               | 2013-03-14 19:35 |
| 64.2°E           |      |      | 0        | 28      | 14               | 28  | 0      | 0    | Intelsat 906        | 64.17°E       | 0.01° 0.03°           | 28    | 14               | 2012-12-30 17:52 |
| 62.0°E           |      |      | 1        | 1       | 2                | 2   | 0      | 0    | Intelsat 902        | 61.98°E       | 0.00° 0.02°           | 2     | 2                | 2012-11-11 18:57 |
| 60.0°E           |      |      | 2        | 0       | 2                | 2   | 0      | 0    | Intelsat 904        | 59.98°E       | 0.00° 0.02°           | 2     | 2                | 2012-04-02 18:46 |
| 57.0°E           |      |      | 6        | 77      | 63               | 39  | 40     | 4    | NSS 12              | 57.01°E       | -0.05° 0.07°          | 83    | 63               | 2013-04-24 13:40 |
| 56.0°E           |      |      | 0        | 0       | 0                | 0   | 0      | 0    | DirectTV 1R         | 55.81°E       | -0.64° 0.74°          | -     | -                | 2012-12-31 09:20 |
| 53.0°E           |      |      | 63       | 0       | 49               | 45  | 16     | 2    | Express AM22        | 53.08°E       | 0.02° 0.02°           | 63    | 49               | 2013-04-23 15:39 |
| 52.5°E           |      |      | 49       | 0       | 40               | 49  | 0      | 0    | Yahsat 1A           | 52.56°E       | 0.01° 0.01°           | 49    | 40               | 2013-04-10 13:58 |
| 50.5°E           |      |      | 0        | 0       | 0                | 0   | 0      | 0    | NSS 5               | 50.48°E       | -0.73° 0.80°          | -     | -                | 2012-06-12 08:50 |
| 49.0°E           |      |      | 0        | 61      | 52               | 38  | 23     | 0    | Yamal 202           | 48.98°E       | 0.02° 0.02°           | 61    | 52               | 2012-07-13 21:32 |
| 48.0°E           |      |      | 0        | 0       | 0                | 0   | 0      | 0    | Eutelsat 48C        | 47.99°E       | -0.37° 0.39°          | -     | -                | 2012-12-29 15:03 |
| 47.5°E           |      |      | 1        | 0       | 0                | 1   | 0      | 0    | Intelsat 10 (IS-10) | 47.49°E       | -0.01° 0.01°          | 1     | -                | 2013-04-16 23:13 |
| 46.0°E           |      |      | 0        | 0       | 0                | 0   | 0      | 0    | Azerspace-1         | 46°E          | -0.04° 0.04°          | -     | -                | 2013-02-23 18:17 |
| 45.0°E           |      |      | 142      | 0       | 44               | 118 | 22     | 2    | Intelsat 12 (IS-12) | 45.04°E       | -0.01° 0.03°          | 142   | 44               | 2013-05-01 18:51 |
| 42.0°E           |      |      | 633      | 0       | 496              | 416 | 164    | 53   | Turksat 2A          | 42.03°E       | 0.02° 0.03°           | 280   | 189              | 2013-04-29 13:26 |
|                  |      |      |          |         |                  |     |        |      | Turksat 3A          | 42°E          | -0.06° 0.06°          | 353   | 307              | 2013-05-01 16:30 |
| 40.0°E           |      |      | 0        | 0       | 0                | 0   | 0      | 0    | Express AM1         | 40.04°E       | -2.34° 2.51°          | -     | -                | 2012-05-23 23:35 |
| 39.0°E           |      |      | 285      | 0       | 73               | 232 | 26     | 27   | Hellas Sat 2        | 38.97°E       | -0.04° 0.04°          | 285   | 73               | 2013-05-01 18:03 |
| 38.0°E           |      |      | 0        | 49      | 44               | 48  | 1      | 0    | Paksat 1R           | 37.99°E       | -0.06° 0.06°          | 49    | 44               | 2013-03-11 18:38 |
| 36.0°E           |      |      | 345      | 0       | 63               | 275 | 46     | 24   | Eutelsat 36A        | 36.09°E       | 0.02° 0.07°           | 35    | 12               | 2013-01-01 09:36 |
|                  |      |      |          |         |                  |     |        |      | Eutelsat 36B        | 35.9°E        | 0.02° 0.07°           | 310   | 51               | 2013-05-02 07:38 |
| 33.1°E           |      |      | 0        | 0       | 0                | 0   | 0      | 0    | Nilesat 101         | 33.11°E       | -0.02° 0.23°          | -     | -                | 2013-03-11 20:50 |
| 33.0°E           |      |      | 57       | 0       | 20               | 28  | 12     | 17   | Eutelsat 33A        | 33.08°E       | -0.03° 0.06°          | 57    | 20               | 2013-02-24 18:41 |
|                  |      |      |          |         |                  |     |        |      | Intelsat 702        | 33.01°E       | -1.52° 1.54°          | -     | -                | 2011-09-26 23:50 |

For example, to download the « .ini » file of the TURKSAT satellite, click here.



Click then on "Save"

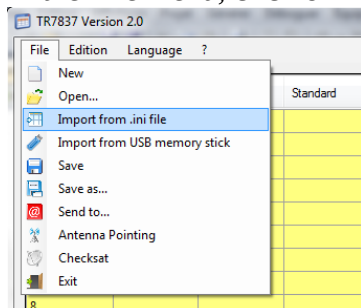


Select the file desired then click on Save

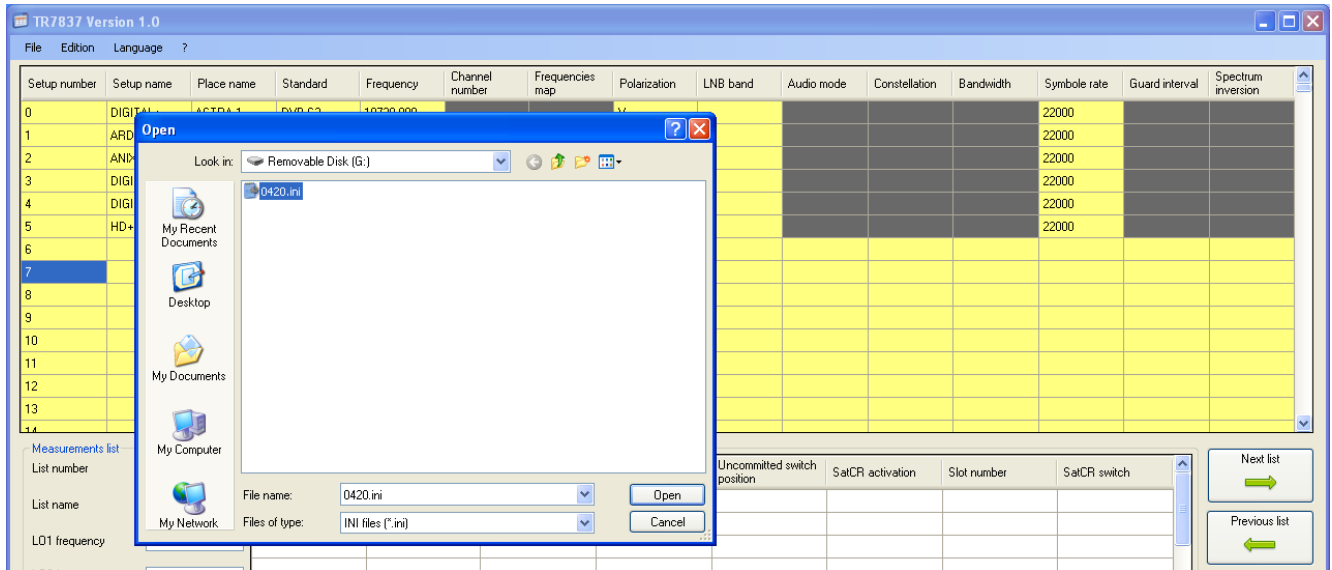
In the table of the setup library select the line from which the data will be imported.

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10729,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 1            | ARD        | ASTRA 1    | DVB-S    | 10743,000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 2            | ARDE HD    | ASTRA 1    | DVB-S2   | 10773,000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 3            | DIGITAL+   | ASTRA 1    | DVB-S    | 10788,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 4            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10817,000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 5            | HD+        | ASTRA 1    | DVB-S2   | 10832,000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 8            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 9            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |

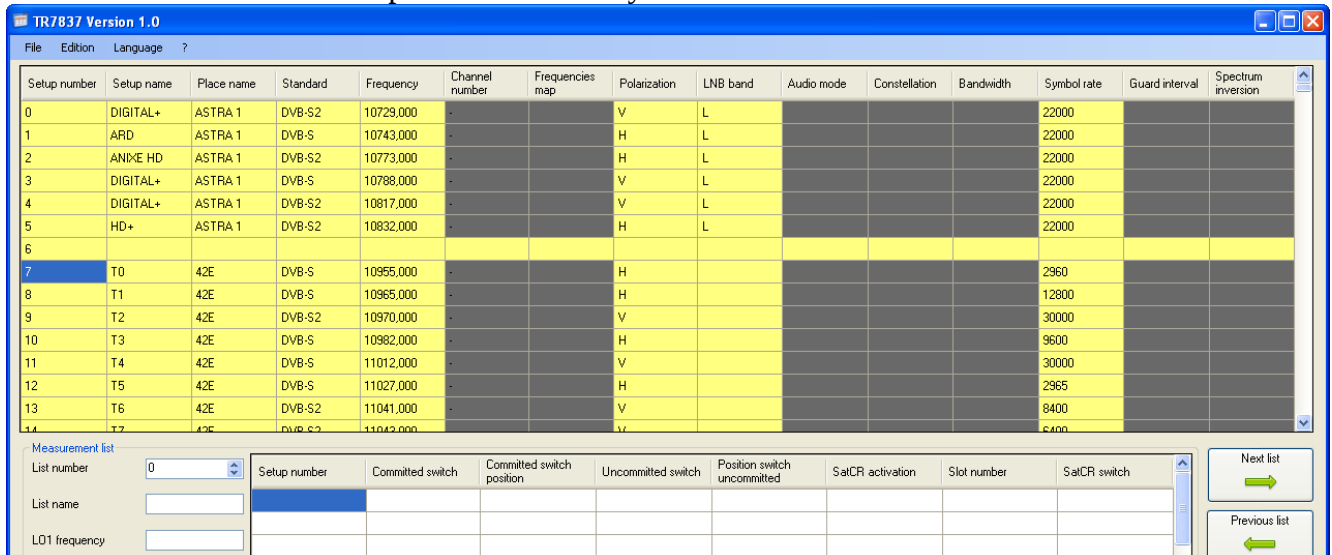
In the File menu, click on Import from .ini file



Click on open



The data of the .ini file are imported in the library



The TURKSAT satellite is made of 4 beams, only one of them is pointed at Europe.  
With the Delete line function it is possible to clear the transponders which cannot be received.  
The first transponder diffuse on Central Asia, it can be deleted.

TR7837 Version 1.0

File Edition Language ?

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10729.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 1            | ARD        | ASTRA 1    | DVB-S    | 10743.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 2            | ANIXE HD   | ASTRA 1    | DVB-S2   | 10773.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 3            | DIGITAL+   | ASTRA 1    | DVB-S    | 10788.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 4            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10817.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 5            | HD+        | ASTRA 1    | DVB-S2   | 10832.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 6            |            |            |          |           |                |                 |              |          |            |               |           |             |                |                    |
| 7            | IT         | 42E        | DVB-S    | 10955.000 | -              |                 | H            |          |            |               |           | 2960        |                |                    |
| 8            |            |            | DVB-S    | 10965.000 | -              |                 | H            |          |            |               |           | 12800       |                |                    |
| 9            |            |            | DVB-S2   | 10970.000 | -              |                 | V            |          |            |               |           | 30000       |                |                    |
| 10           |            |            | DVB-S    | 10982.000 | -              |                 | H            |          |            |               |           | 9600        |                |                    |
| 11           |            |            | DVB-S    | 11012.000 | -              |                 | V            |          |            |               |           | 30000       |                |                    |
| 12           |            |            | DVB-S    | 11027.000 | -              |                 | H            |          |            |               |           | 2965        |                |                    |
| 13           |            |            | DVB-S2   | 11041.000 | -              |                 | V            |          |            |               |           | 8400        |                |                    |
| 14           |            |            | DVB-S2   | 11042.000 | -              |                 | V            |          |            |               |           | 6400        |                |                    |

New  
 Copy  
 Paste  
 Insert line  
 Delete line  
 Clear content  
 Add to measure list

Measurement list

|               |   |              |                  |                           |                    |                             |                  |             |              |
|---------------|---|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| List number   | 0 | Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
| List name     |   |              |                  |                           |                    |                             |                  |             |              |
| LO1 frequency |   |              |                  |                           |                    |                             |                  |             |              |

Next list

Previous list

Repeat the operation as many time as necessary.

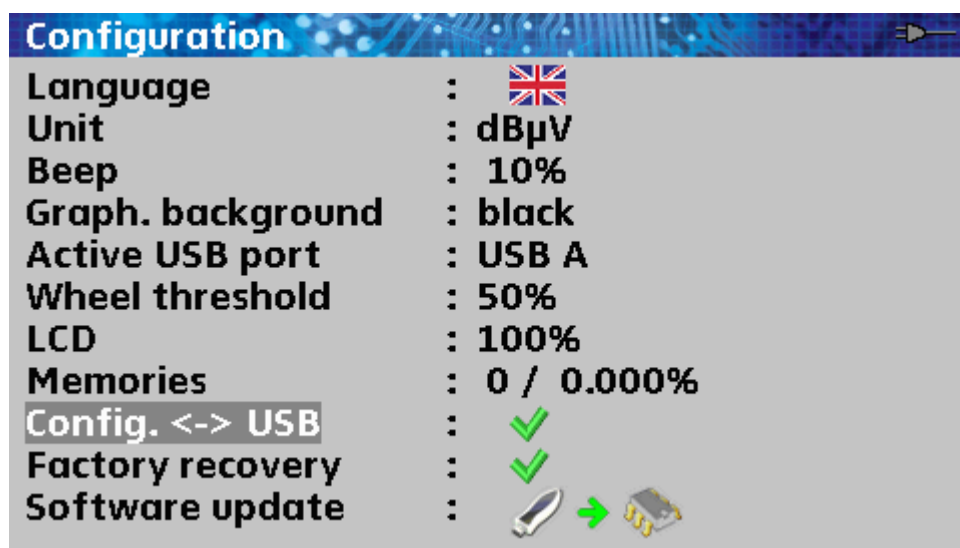
Moreover it is not necessary to keep all the transponders otherwise the library will be quickly saturated. Keep 2 or 3 transponders for each band and polarization, preferably with high L frequencies to confirm the losses in the dish cable or, why not, those transporting the most popular emissions.

## 11 IMPORT FROM A USB MEMORY STICK

It is necessary to export the TV meter configuration in a USB memory stick.

### 11.1 TV meter from the 7806 – 7847 family

For TV meters from the 7806 / 7847 family, press twice the tool box key  , the following page will appear :



Turn the wheel until Config.<-> USB is selected

Insert a USB memory stick and confirm



Check that the USB port enabled is the USB port A

## 11.2 7817 and 7849 TV meters

Press the home key



The Home page will appear:



Finally press the “Configuration export” key



## 11.3 TV meter from the 7870 family

For the TV meter from the 7870 family press the Home key



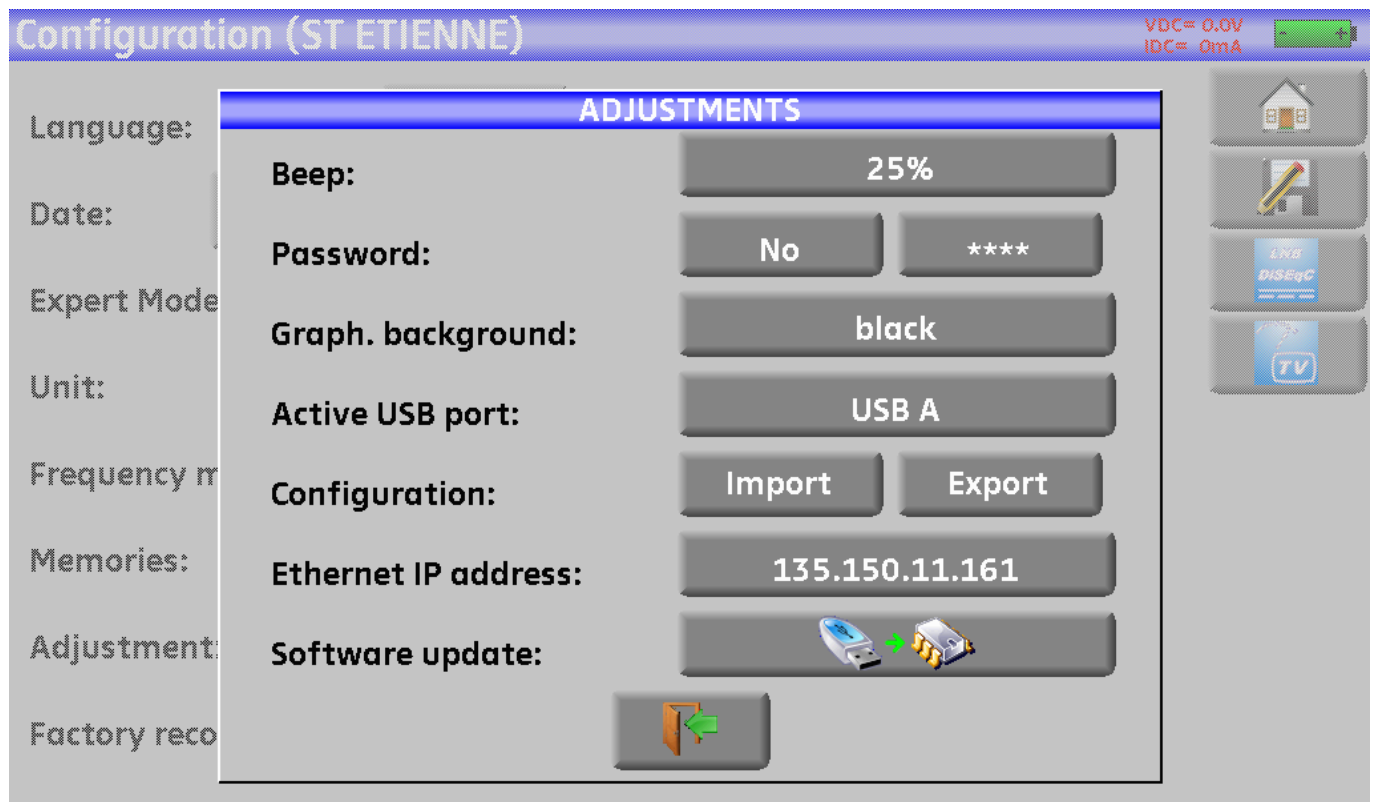
Press then the Configuration key



And then press the adjustment key



The following page will appear



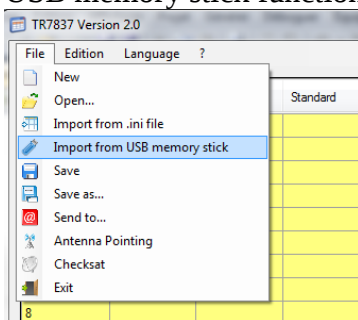
Insert a USB memory stick

Finally, press the Export key



|  |                                                           |
|--|-----------------------------------------------------------|
|  | <p>Check that the USB port enabled is the USB port A.</p> |
|--|-----------------------------------------------------------|

Disconnect the memory stick from the TV meter et connect it to the computer, launch the Import from USB memory stick function.



All the tables are updated

TR7837 Version 1.0

| Setup number | Setup name | Place name | Standard | Frequency | Channel number | Frequencies map | Polarization | LNB band | Audio mode | Constellation | Bandwidth | Symbol rate | Guard interval | Spectrum inversion |
|--------------|------------|------------|----------|-----------|----------------|-----------------|--------------|----------|------------|---------------|-----------|-------------|----------------|--------------------|
| 0            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10729.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 1            | ARD        | ASTRA 1    | DVB-S    | 10743.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 2            | ANDRE HD   | ASTRA 1    | DVB-S2   | 10773.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 3            | DIGITAL+   | ASTRA 1    | DVB-S    | 10788.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 4            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10817.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 5            | HD+        | ASTRA 1    | DVB-S2   | 10832.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 6            | DIGITAL+   | ASTRA 1    | DVB-S    | 10847.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 7            | TVP HD     | ASTRA 1    | DVB-S    | 10861.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 8            | DIGITAL+   | ASTRA 1    | DVB-S    | 10876.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 9            | DIGITAL+   | ASTRA 1    | DVB-S2   | 10935.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 10           | SKY D      | ASTRA 1    | DVB-S    | 10979.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 11           | DIGITAL+   | ASTRA 1    | DVB-S    | 11023.000 | -              |                 | H            | L        |            |               |           | 22000       |                |                    |
| 12           | DIGITAL+   | ASTRA 1    | DVB-S    | 11038.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 13           | DIGITAL+   | ASTRA 1    | DVB-S    | 11097.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |
| 14           | DIGITAL+   | ASTRA 1    | DVB-S    | 11156.000 | -              |                 | V            | L        |            |               |           | 22000       |                |                    |

Measurement list

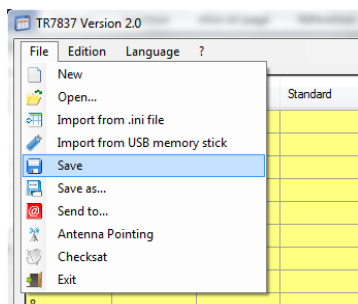
List number: 0  
List name: ASTRA 1  
LO1 frequency: 9750  
LO2 frequency: 10600  
LO select: 0/22 kHz  
Polarization select: 13/18V  
Positioner:

| Setup number | Committed switch | Committed switch position | Uncommitted switch | Position switch uncommitted | SatCR activation | Slot number | SatCR switch |
|--------------|------------------|---------------------------|--------------------|-----------------------------|------------------|-------------|--------------|
| 0            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 1            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 2            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 3            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 4            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 5            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 6            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 7            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 8            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 9            | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 10           | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 11           | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |
| 12           | -                | Pos A                     | -                  | Pos 1                       | -                |             |              |

Next list  
Previous list  
Export

## 12 SAVE

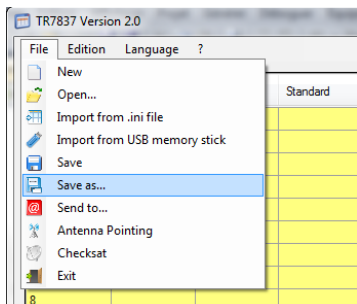
The Save function allows you to save all the table data in the current file.



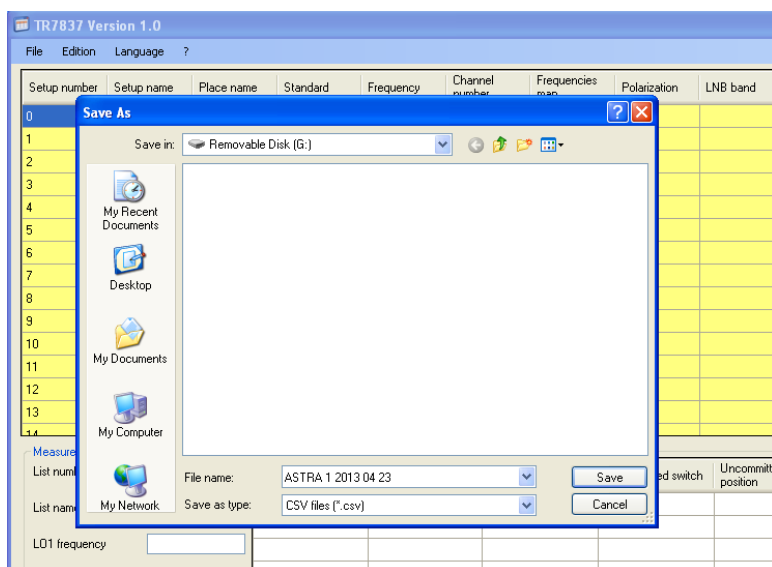
If the current file does not exist, Save as will be launched

## 13 SAVE AS

The Save as function allows you to save all the data of the tables in a new file or a file of your choice.

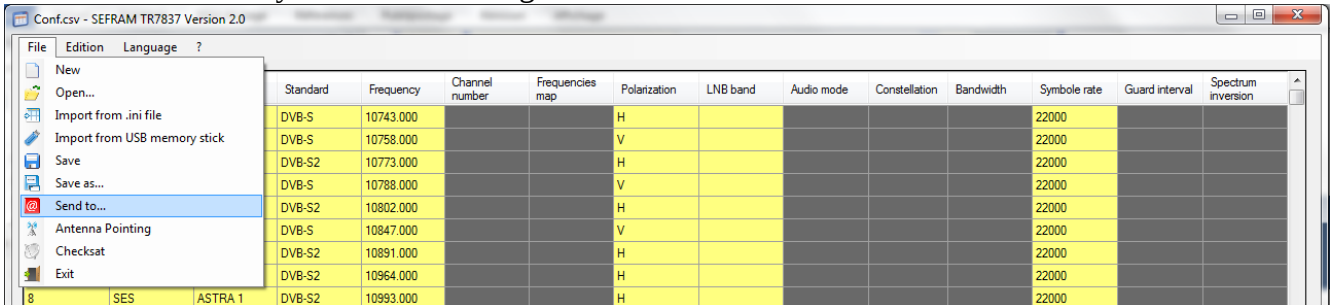


The dialog box Save as allows you to choose an existing file or to enter a new file name.

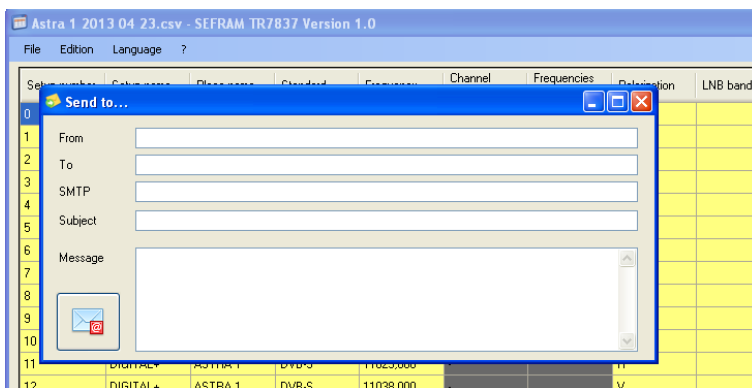


## 14 SEND TO

This function allows you to send a configuration file as attached file in an email.



The following dialog box appears:

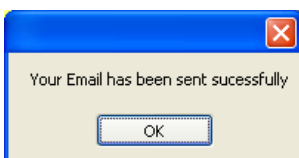


Enter the recipient's addressee and the name of your mailbox SMTP server, the other fields are optional : sender addressee, message subject and message text.  
The current file is automatically attached to the email.

Click on the mail key



A message warns you that the email has been sent successfully, click on OK.

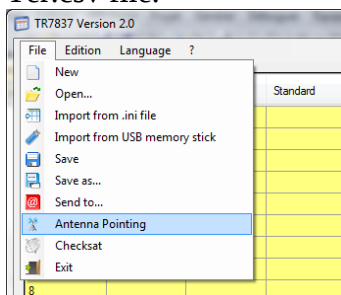




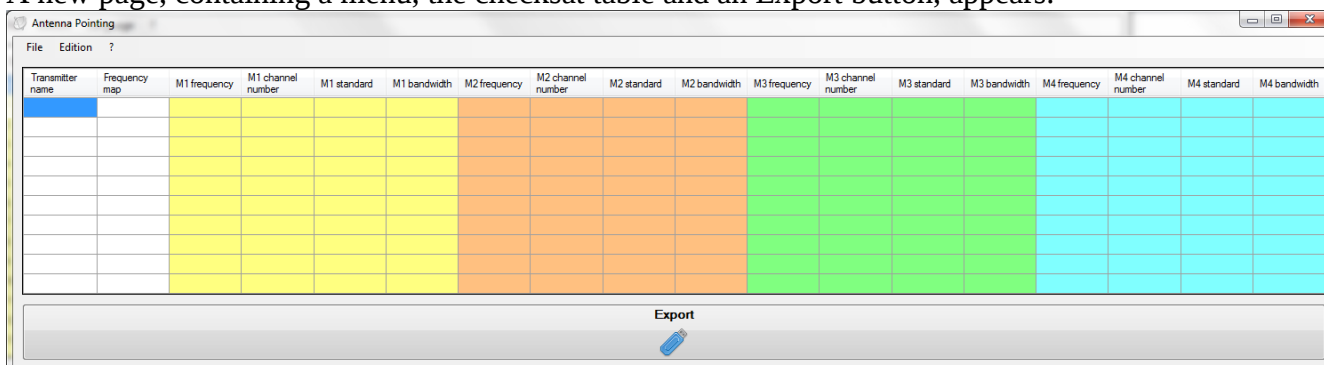
If the current file does not exist the function Save as is launched before sending.

## 15 ANTENNA POINTING (7817 7849 ONLY)

The access at the antenna pointing table is performed from the Antenna Pointing menu or by opening a Ter.csv file.



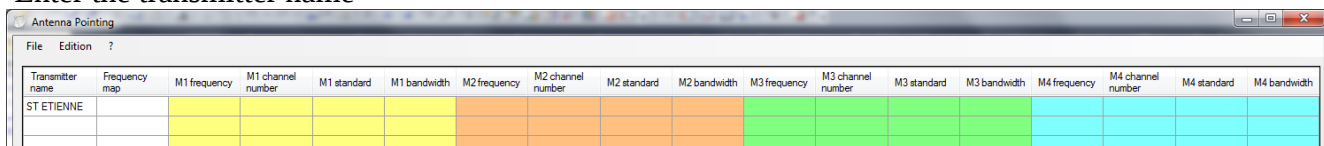
A new page, containing a menu, the checksat table and an Export button, appears.



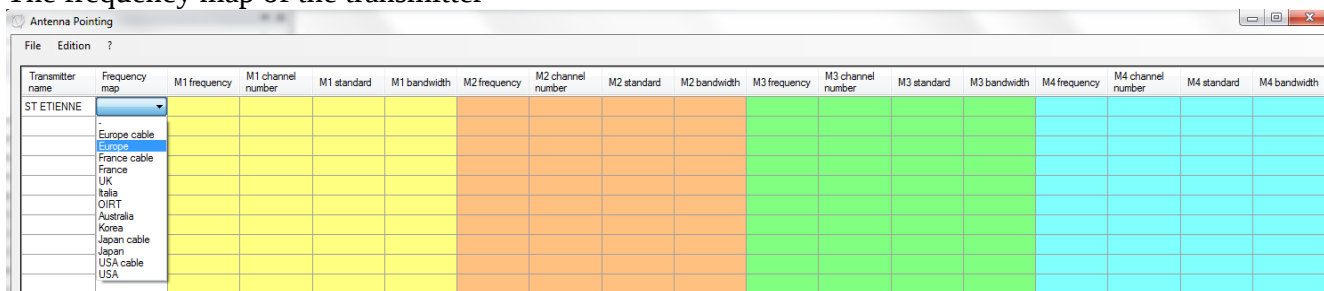
10 different transmitters are possible; each transmitter is made of 4 multiplexes.

The menu of this page and the popup menu (right click) are similar to [those from the main page](#).

Enter the transmitter name

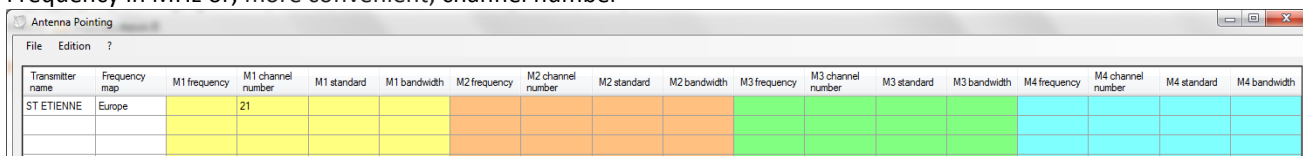


The frequency map of the transmitter



Parameters of each multiplex

Frequency in MHz or, more convenient, channel number



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SAS au capital de 1 650 000 euros – RCS Saint-Etienne 790 833 404/ APE: 2651B / SIRET : 790 833 404 00011

TVA Intracommunautaire: FR 19790833404

## Standard

| Transmitter name | Frequency map | M1 frequency | M1 channel number | M1 standard | M1 bandwidth | M2 frequency | M2 channel number | M2 standard | M2 bandwidth | M3 frequency | M3 channel number | M3 standard | M3 bandwidth | M4 frequency | M4 channel number | M4 standard | M4 bandwidth |
|------------------|---------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|
| ST ETIENNE       | Europe        | 471.250      | 21 (E21)          | DVB-T/H     |              |              |                   |             |              |              |                   |             |              |              |                   |             |              |

## The bandwidth

| Transmitter name | Frequency map | M1 frequency | M1 channel number | M1 standard | M1 bandwidth | M2 frequency | M2 channel number | M2 standard | M2 bandwidth | M3 frequency | M3 channel number | M3 standard | M3 bandwidth | M4 frequency | M4 channel number | M4 standard | M4 bandwidth |
|------------------|---------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|
| ST ETIENNE       | Europe        | 474.000      | 21 (E21)          | DVB-T/H     | 8 MHz        |              |                   |             |              |              |                   |             |              |              |                   |             |              |

Repeat these operations for the 3 other multiplexes

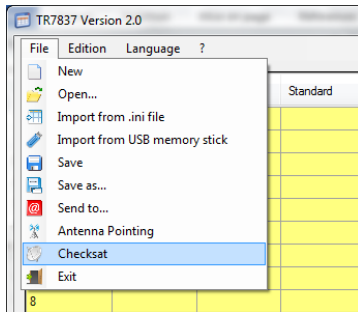
| Transmitter name | Frequency map | M1 frequency | M1 channel number | M1 standard | M1 bandwidth | M2 frequency | M2 channel number | M2 standard | M2 bandwidth | M3 frequency | M3 channel number | M3 standard | M3 bandwidth | M4 frequency | M4 channel number | M4 standard | M4 bandwidth |
|------------------|---------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|--------------|-------------------|-------------|--------------|
| ST-ETIENNE       | Europe        | 610.000      | 38 (E38)          | DVB-T/H     | 8 MHz        | 658.000      | 44 (E44)          | DVB-T/H     | 8 MHz        | 778.000      | 59 (E59)          | DVB-T/H     | 8 MHz        | 626.000      | 40 (E40)          | DVB-T/H     | 8 MHz        |

Repeat these operations for other transmitters

This table can be saved with the device configuration; it can also be [exported to a USB memory stick](#) to be imported in the TV meter.

## 16 CHECKSAT

The access at the checksat table is performed from the Checksat menu or by opening a Sat.csv file.



A new page, containing a menu, the checksat table and an Export button, appears.



32 different satellites are possible; each satellite is made of 4 transponders.

The menu of this page and the popup menu (right click) are similar to [those from the main page](#).

Enter the satellite name

CheckSat

File Edition ?

| Satellite name | Orbital position | Orientation | T1 frequency | T1 polarization | T1 standard | T1 symbol rate | T2 frequency | T2 polarization | T2 standard | T2 symbol rate | T3 frequency | T3 polarization | T3 standard | T3 symbol rate | T4 frequency | T4 polarization | T4 standard | T4 symbol rate |
|----------------|------------------|-------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|
| ASTRA 1        |                  |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |
|                |                  |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |
|                |                  |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |

The orbital position in degrees (from 0 to 180°)

CheckSat

File Edition ?

| Satellite name | Orbital position | Orientation | T1 frequency | T1 polarization | T1 standard | T1 symbol rate | T2 frequency | T2 polarization | T2 standard | T2 symbol rate | T3 frequency | T3 polarization | T3 standard | T3 symbol rate | T4 frequency | T4 polarization | T4 standard | T4 symbol rate |
|----------------|------------------|-------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|
| ASTRA 1        | 19.2             |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |
|                |                  |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |
|                |                  |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |

The orientation in relation to the Greenwich meridian: East or West.

CheckSat

File Edition ?

| Satellite name | Orbital position | Orientation | T1 frequency | T1 polarization | T1 standard | T1 symbol rate | T2 frequency | T2 polarization | T2 standard | T2 symbol rate | T3 frequency | T3 polarization | T3 standard | T3 symbol rate | T4 frequency | T4 polarization | T4 standard | T4 symbol rate |
|----------------|------------------|-------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|
| ASTRA 1        | 19.2             | E           |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |
|                |                  | W           |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |
|                |                  |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |

Parameters of each transponder

Frequency in MHz

CheckSat

File Edition ?

| Satellite name | Orbital position | Orientation | T1 frequency | T1 polarization | T1 standard | T1 symbol rate | T2 frequency | T2 polarization | T2 standard | T2 symbol rate | T3 frequency | T3 polarization | T3 standard | T3 symbol rate | T4 frequency | T4 polarization | T4 standard | T4 symbol rate |
|----------------|------------------|-------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|
| ASTRA 1        | 19.2             | E           | 11720        |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |
|                |                  |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |
|                |                  |             |              |                 |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |

## Vertical or horizontal polarization

| Satellite name | Orbital position | Orientation | T1 frequency | T1 polarization | T1 standard | T1 symbol rate | T2 frequency | T2 polarization | T2 standard | T2 symbol rate | T3 frequency | T3 polarization | T3 standard | T3 symbol rate | T4 frequency | T4 polarization | T4 standard | T4 symbol rate |
|----------------|------------------|-------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|
| ASTRA 1        | 19.2             | E           | 11720        | V               |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |

## Standard

| Satellite name | Orbital position | Orientation | T1 frequency | T1 polarization | T1 standard | T1 symbol rate | T2 frequency | T2 polarization | T2 standard | T2 symbol rate | T3 frequency | T3 polarization | T3 standard | T3 symbol rate | T4 frequency | T4 polarization | T4 standard | T4 symbol rate |
|----------------|------------------|-------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|
| ASTRA 1        | 19.2             | E           | 11720        | H               |             |                |              |                 |             |                |              |                 |             |                |              |                 |             |                |

## The symbol rate in kilo baud

| Satellite name | Orbital position | Orientation | T1 frequency | T1 polarization | T1 standard | T1 symbol rate | T2 frequency | T2 polarization | T2 standard | T2 symbol rate | T3 frequency | T3 polarization | T3 standard | T3 symbol rate | T4 frequency | T4 polarization | T4 standard | T4 symbol rate |
|----------------|------------------|-------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|
| ASTRA 1        | 19.2             | E           | 11720        | H               | DVB-S       | 27500          |              |                 |             |                |              |                 |             |                |              |                 |             |                |

## Repeat these operations for the 3 other transponders

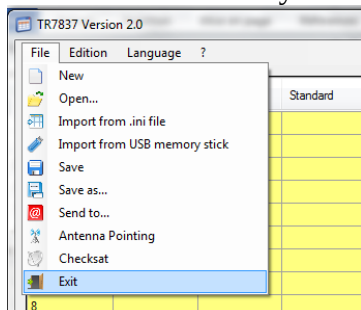
| Satellite name | Orbital position | Orientation | T1 frequency | T1 polarization | T1 standard | T1 symbol rate | T2 frequency | T2 polarization | T2 standard | T2 symbol rate | T3 frequency | T3 polarization | T3 standard | T3 symbol rate | T4 frequency | T4 polarization | T4 standard | T4 symbol rate |
|----------------|------------------|-------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|--------------|-----------------|-------------|----------------|
| ASTRA 1        | 19.2             | E           | 11720        | H               | DVB-S       | 27500          | 12515        | H               | DVB-S       | 22000          | 10979        | V               | DVB-S       | 22000          | 12363        | V               | DVB-S       | 27500          |

## Repeat these operations for other satellites

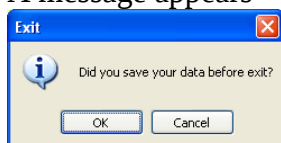
This table can be saved with the device configuration; it can also be [exported to a USB memory stick](#) to be imported in the TV meter.

## 17 EXIT

This function allows you to exit the software



A message appears



If the data have not been saved, click on Cancel otherwise confirm the exit.