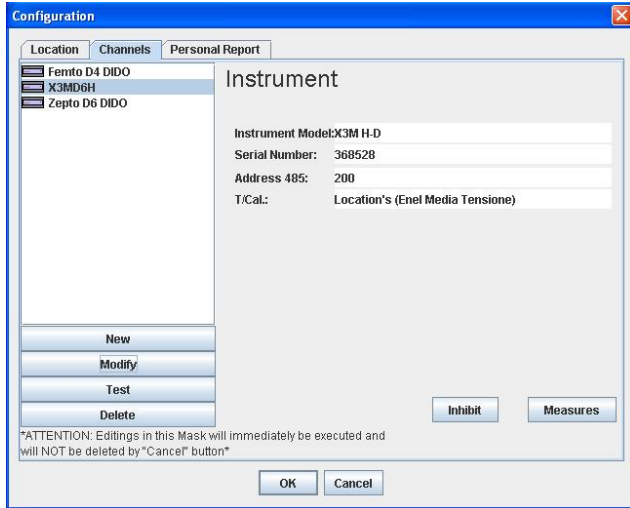


# How to download X3M Harmonics with Energy Brain software

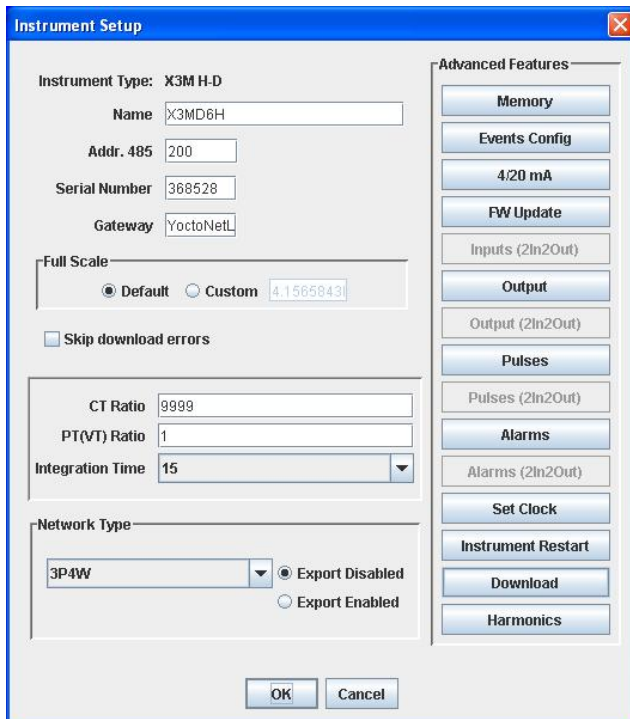
## Select the X3M

In order to download the Harmonics through Energy Brain software connected to the X3M (or the network in which you have the X3M):

1 - Select the tab Channels', then the X3M's channel and click on the button 'Modify'.

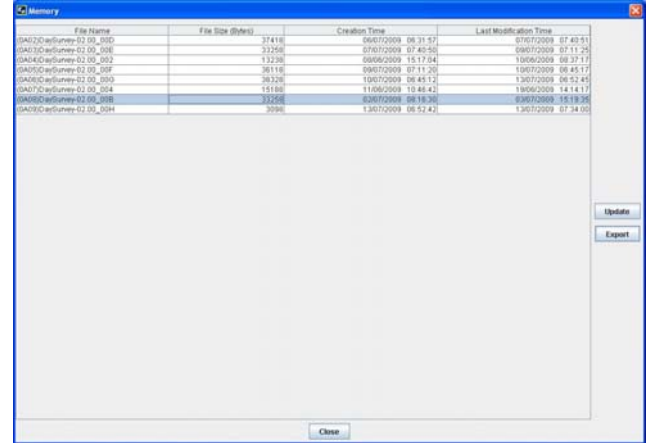


2 - Select the 'Harmonics' button.

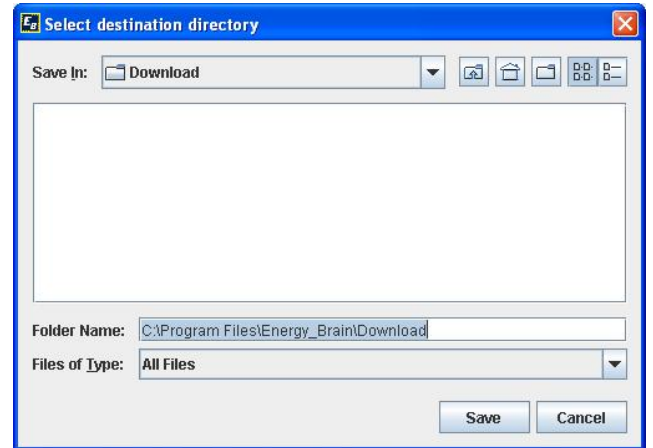


Energy Brain software downloads the directory of daily Harmonics files.

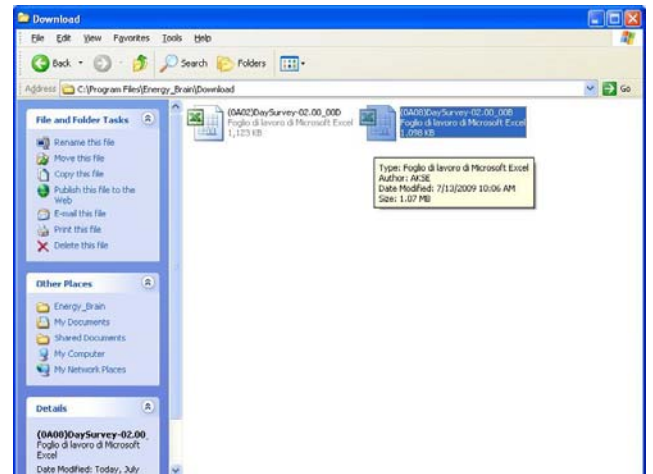
3 - Select the files you want to display and then click the button 'Export'.



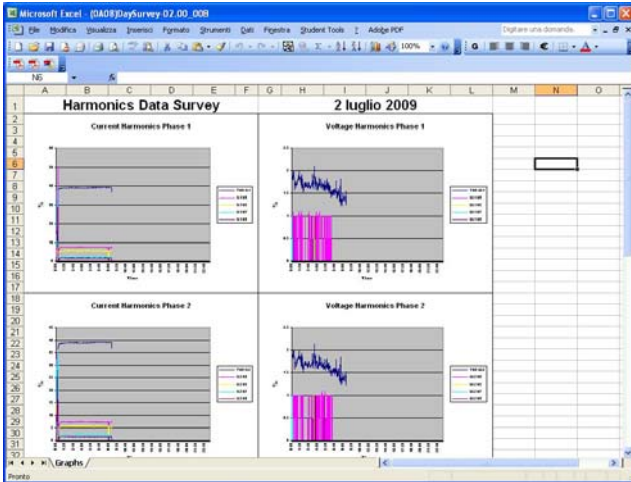
4 - Save the files in a certain directory (for example in the Download Folder inside Energy Brain Folder).



5 - Select and open the Excel File you want to read.

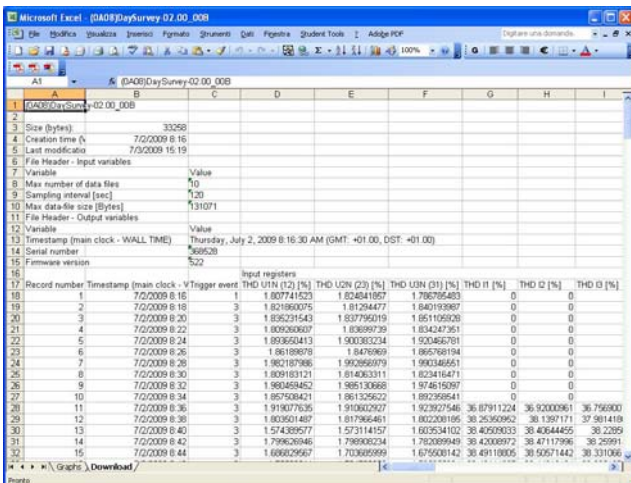


The Harmonics information is displayed in several graphs.



More detailed tabular data, from which the graphs retrieve their values, is found in two hidden sheets in the same file.

To show the hidden sheets you should select 'Discover' from 'Sheet' voice in the 'Format' menu.



Record number	Timestamp (main clock - VTrigger event)	THD U/I (2) [%]	THD U/I (3) [%]	THD U/I (3) [%]	THD I [%]	THD I (2) [%]	THD I (3) [%]
1	7/2/2009 8:16	1.807741523	1.824541957	1.798795483	0	0	0
2	7/2/2009 8:18	1.821860075	1.81284477	1.840193887	0	0	0
3	7/2/2009 8:20	1.836231543	1.837795019	1.851105026	0	0	0
4	7/2/2009 8:22	1.806308807	1.83889735	1.834247351	0	0	0
5	7/2/2009 8:24	1.893650413	1.900383234	1.900466781	0	0	0
6	7/2/2009 8:26	1.86188878	1.8476989	1.865768194	0	0	0
7	7/2/2009 8:28	1.821879366	1.892888099	1.990348551	0	0	0
8	7/2/2009 8:30	1.809183121	1.814063311	1.823418471	0	0	0
9	7/2/2009 8:32	1.980459452	1.985130668	1.974615097	0	0	0
10	7/2/2009 8:34	1.857508421	1.851325622	1.897356541	0	0	0
11	7/2/2009 8:36	1.919077635	1.910602927	1.923827546	36.87911224	36.92000961	36.7569800
12	7/2/2009 8:38	1.803501487	1.817965461	1.802208195	38.25360962	38.1397171	37.981418
13	7/2/2009 8:40	1.574309577	1.573114157	1.603534102	38.40508033	38.40644465	38.22059
14	7/2/2009 8:42	1.798626946	1.789880234	1.792089848	38.42869972	38.47117995	38.25591
30	7/2/2009 8:44	1.686826667	1.703689599	1.675508142	38.49118805	38.50571442	38.331066