



**MemLog PLT
v2.6.3**

Quick Reference

Rev. 1.3


Index

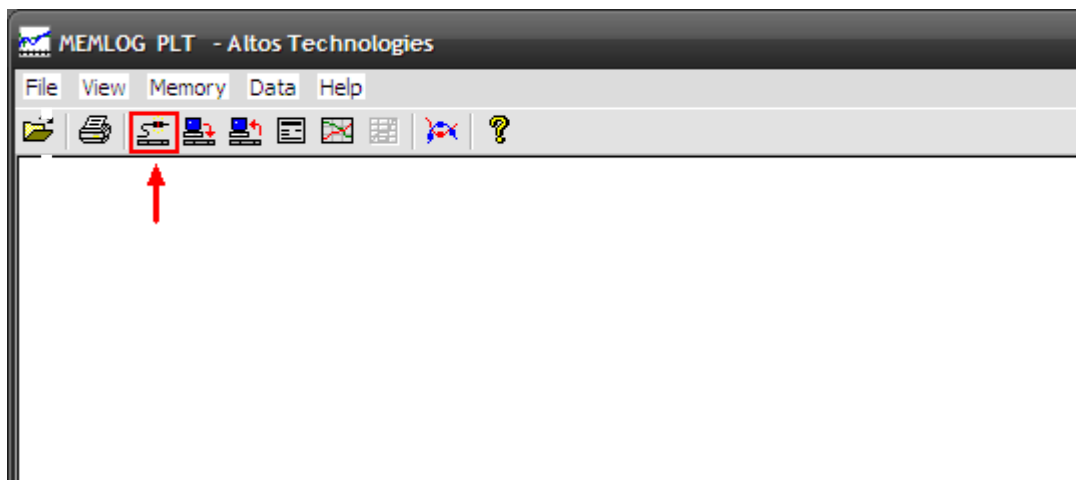
BASIC OPERATION	3
Connecting to BMST:	3
Memory Module Programming:	4
Job Download:	5
Plotting .LAS Files:	7
Generating .LAS from .BIN files:.....	8

BASIC OPERATION

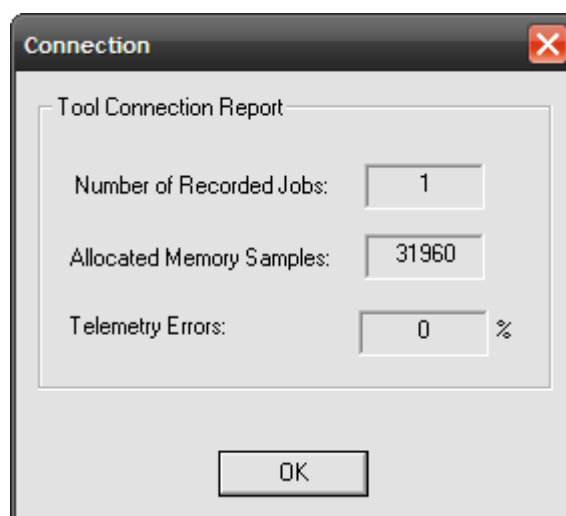
Open MemLog PLT application, then connect the interface box to a USB port, at last connect the other end of the interface box to the BMST module. It is still possible to program and download data by connecting to the top of the battery pack while it is still connected to the BMST, however this is not consider the standard procedure thus not recommended.

Connecting to BMST:

Click on **Tool Connection** () or choose *Memory* → *Tool Connection* menu option.

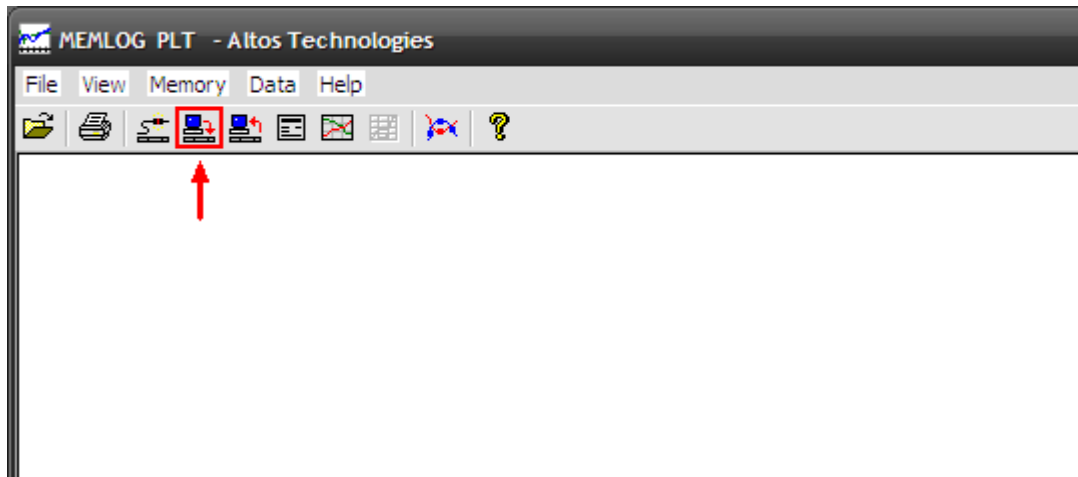


CONNECTION REPORT

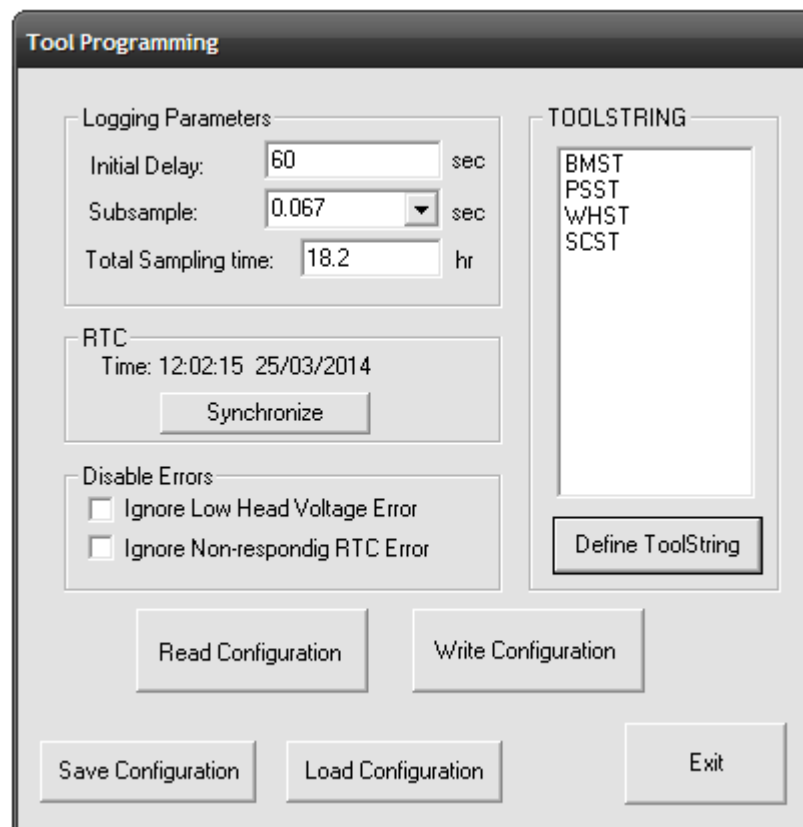


Memory Module Programming:

After connecting to BMST, click on **Program** () or choose *Memory* → *Program* menu option.



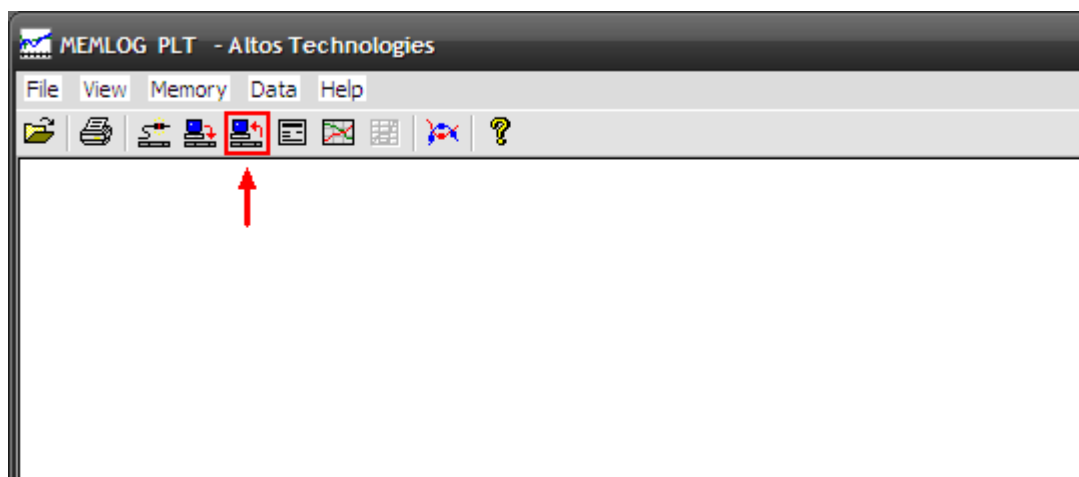
PROGRAM DIALOG

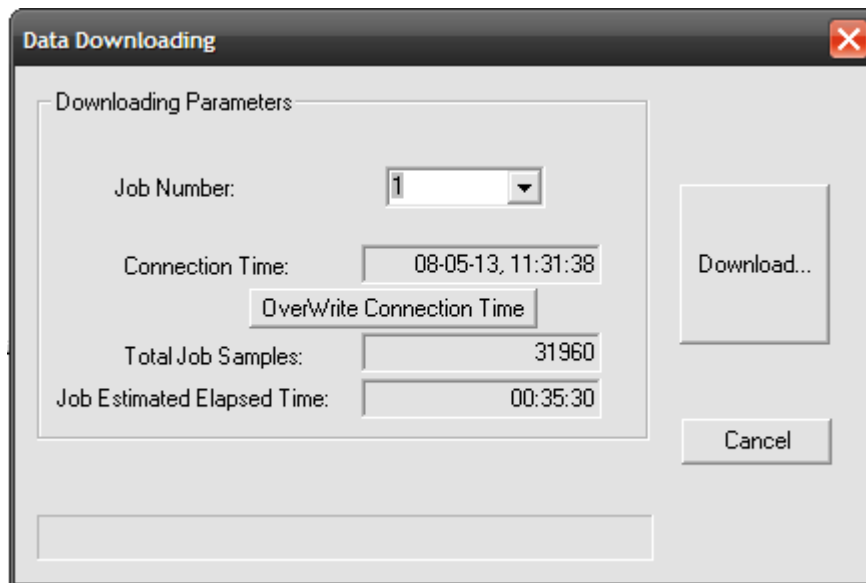


- **Initial Delay:** time between jumper connection and start of memory recording (minimum 60 seconds by default).
- **Subsample:** sampling time for memory recording.
- **Total Sampling time:** this is actually the total acquisition time, elapsed this any memory recording is stopped (minimum 60 seconds).
- **RTC:** Real Time Clock current time. Can be updated by pressing “*Read Configuration*” and synchronized with PC time by pressing on “*Synchronize*”.
- **TOOLSTRING:** List of the tools that will be connected at job time. At the jumper connection time and before starting a job, BMST verifies that the connected (and detected) tools match the programmed ones.
- **Disable Errors:** Overrides default operation and prevents some non-critical errors from halting a job (only at start up) in case they occurred. No tool should be run in hole even under minor error condition unless the operator understands that the error will be negligible for a correct tool operation.
- **Read Configuration:** gets current BMST configuration and updates all values on the dialog box.
- **Write Configuration:** Uploads all dialog box values (user input) in to BMST (WARNING: By doing this all previous jobs will be erased). The tool gets ready to be connected to operate the programmed toolstring and to the battery module (on top). Now each time the jumper is connected a new job will be started (if the tool validation process is passed – this fact is shown by the LED blinking each second for the first 60 seconds -) and after “Initial Delay” is elapsed data will be recorded in memory.

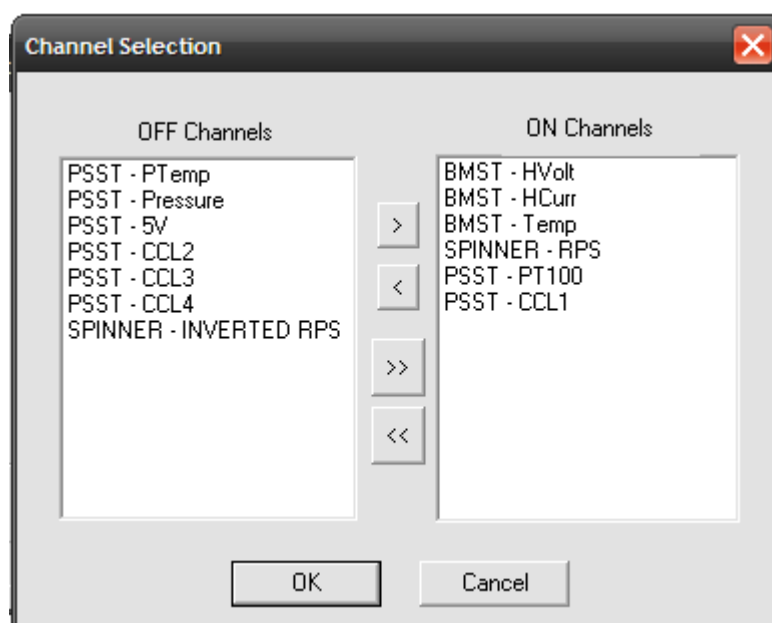
Job Download:

After Connecting to BMST, click on **Download** () or choose *Memory* → *Download Data* menu option.




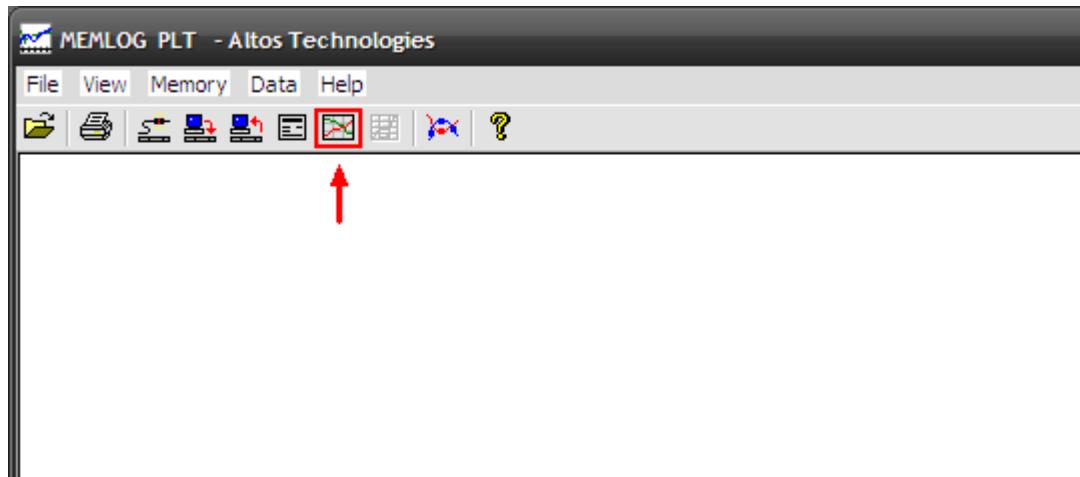
DOWNLOAD DATA DIALOG

- **Job Number**: This is the job number (or file index) that will be downloaded.
- **Connection Time**: RTC time at the moment of jumper connection. Can be overridden by pressing “OverWrite Connection Time”.
- **Total Job Samples**: Total Samples (Estimated, the actual value is only known after downloaded).
- **Job Estimated Elapsed Time**: Total recorded time (does not include “Initial Delay”).
- **Download**: Downloads the selected job. At first the “*Channel Selection*” dialog pops up, then select the channels to be shown in the .LAS file. Then you can give a name for the .LAS file (this name will be also used for the .BIN file, which is basically a memory image with ALL tool channels). When download is finished a report is shown with CAN BUS errors occurred during the job recording.

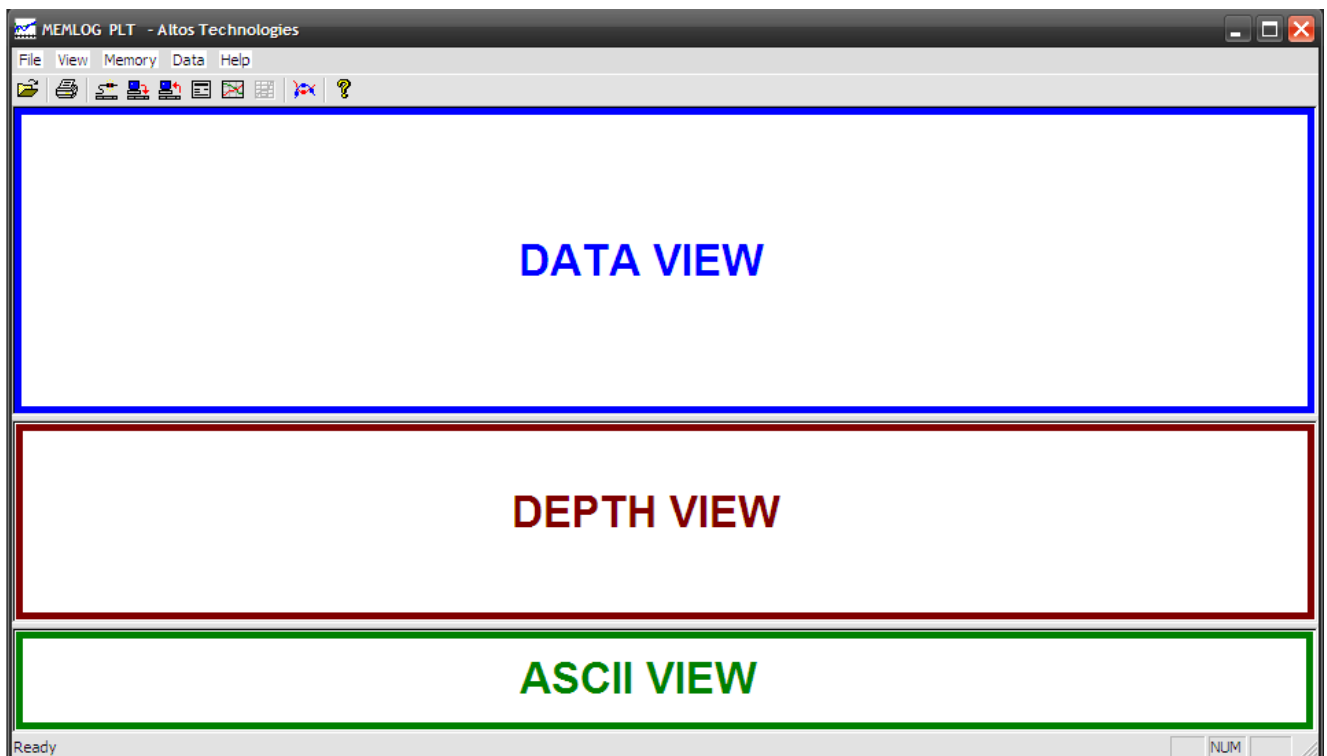
CHANNEL SELECTION DIALOG

Plotting .LAS Files:


Click on **Plot Data** () icon (if this icon is shaded, click on **DATA VIEW** area to activate it).

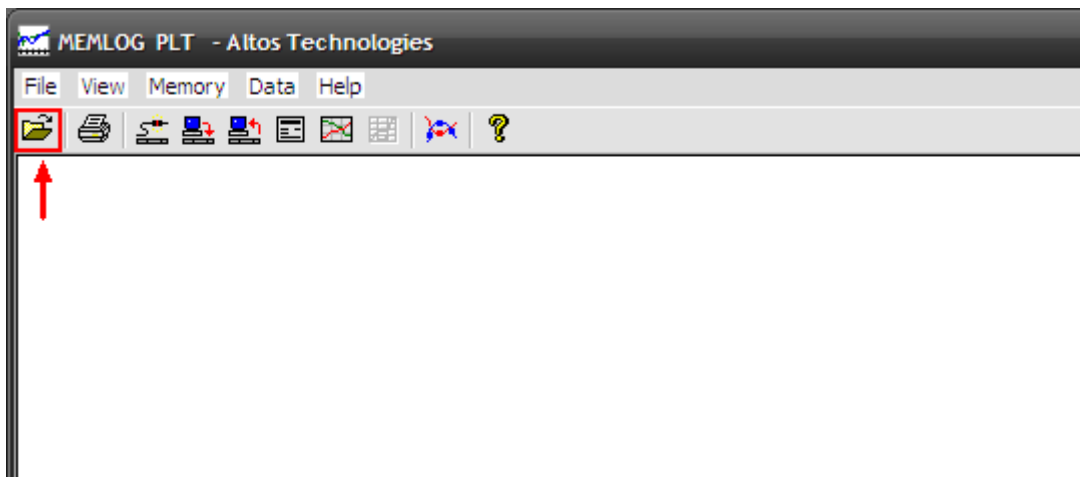


MAIN WINDOW PANELS



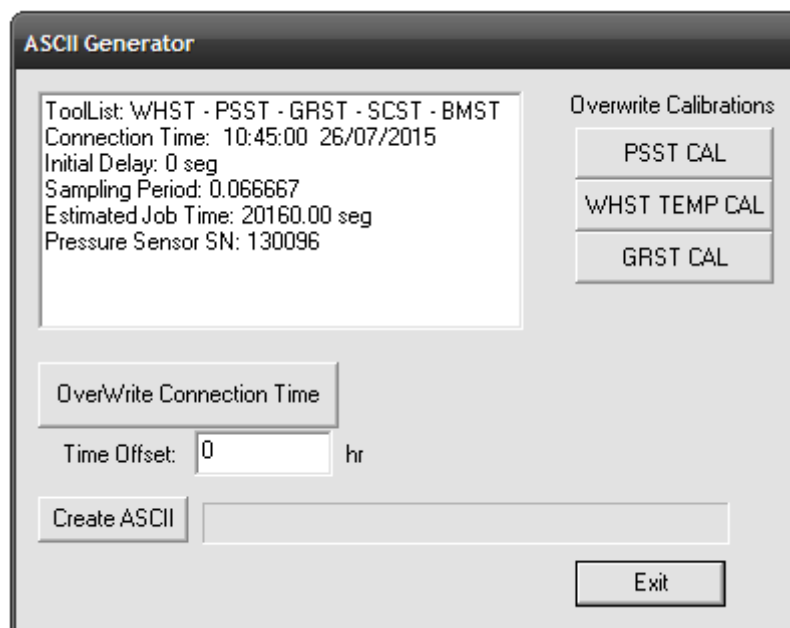
Generating .LAS from .BIN files:

Starting from a .BIN file new .LAS files can be generated, new channels can be selected at this time, also their units, connection time and calibrations can be chosen. To access to the generation dialog click on **BIN to ASCII** () icon or choose *File* → *Open* menu option.



Then after selecting the binary file the dialog pops up:

ASCII GENERATOR DIALOG



When **Create ASCII** is pressed the name for the new .LAS file can be specified, then **Channel Selection** dialog is also shown to define which channels will be used in the new file.