

MMP Unpacker Release Note**May 14, 2004**

Summary: MMP Unpacker release v1.0 is a Windows application that automatically unpacks the MMP binary files using six user-guided steps.

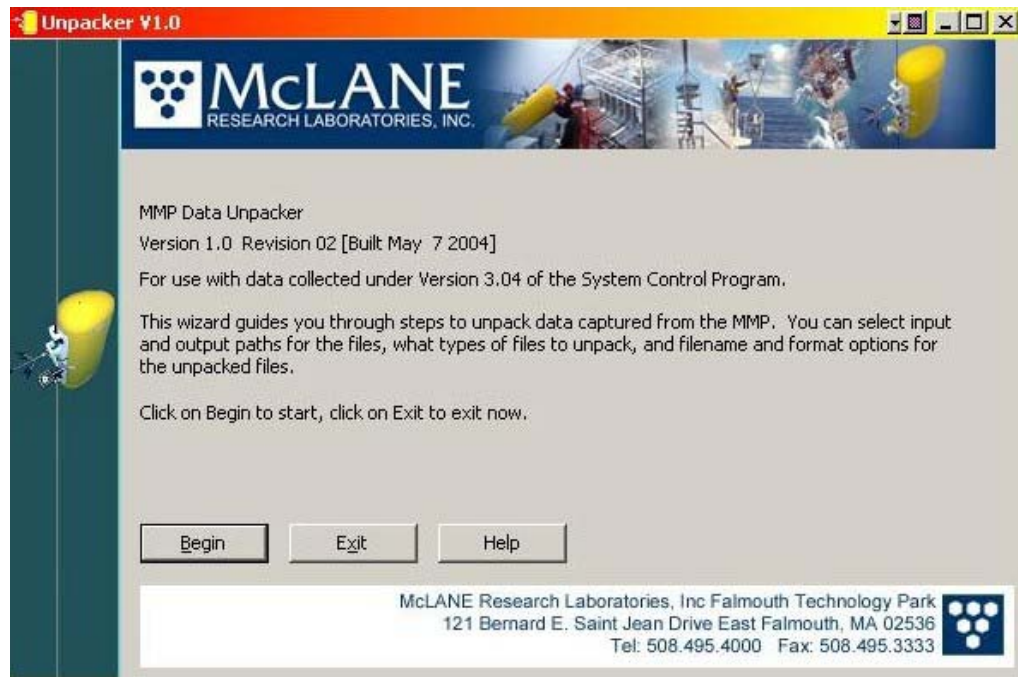
Note – Unpacker v1.0 currently supports MMP firmware versions 3.01 and 3.04.

This release note describes the following Unpacker features:

I. Feature	Run as Multi-Step Wizard or Single Step Application
II. Feature	Compatible with multiple MMP firmware versions
III. Feature	Specify file source and destination locations
IV. Feature	Select to convert all files or selected files
V. Feature	Convert files with prefix
VI. Feature	Convert files with text headers
VII. Feature	Display unpacking selections
VIII. Additional functionality	Deployment parameters are written to DEPLOY.TXT file

- I. Feature – Run as Multi-Step Wizard or Single Step Application:** The Unpacker can be run by stepping through the Wizard screen by screen, or advanced users can directly edit the settings in the initialization file MMPUnpacker.INI to bypass the step-by-step screens to control the unpacking process as a single step application.

Note – A full description of how to edit MMPUnpacker.INI is provided in appendix H of the MMP User Manual.



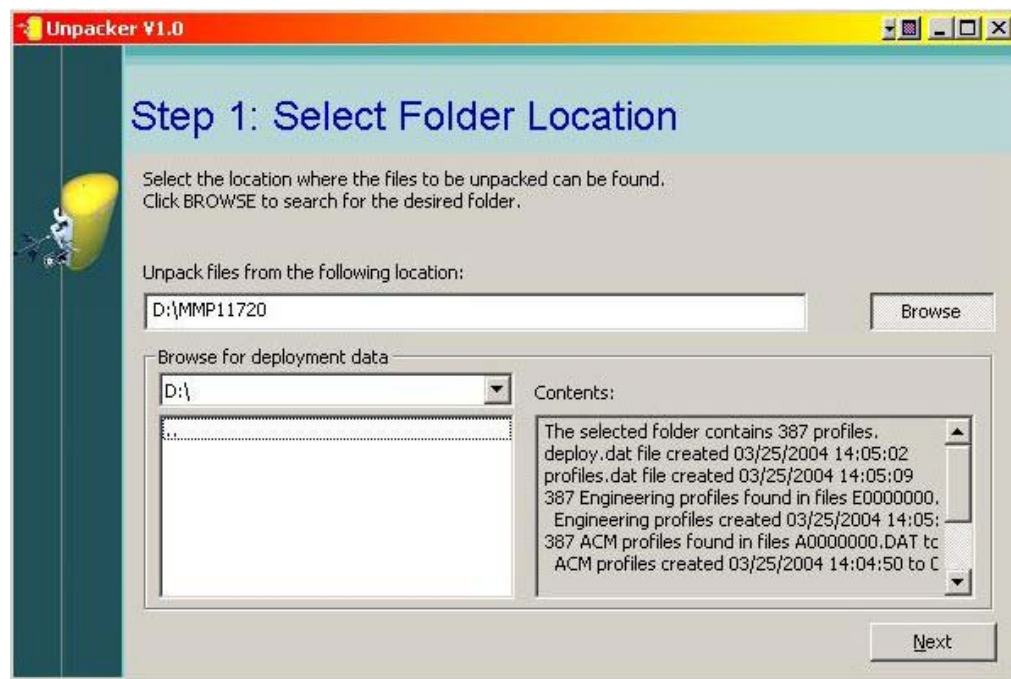
Unpacker Wizard Splash Screen

- II. Feature – Compatible with multiple MMP firmware versions:** The Unpacker v1.0 supports versions 3.01 and 3.04 of the MMP firmware and will maintain backward compatibility in the future.

Note – MMP v3.04 is the default MMP firmware version for the Unpacker v1.0. To use the Unpacker with MMP v3.01 firmware, change the .INI to `FirmwareVers= 301`.

III. Feature – Specify file source and destination locations: Step 1 and Step 2 of the Unpacker identify the source and destination locations of the binary files to be unpacked. A directory pathname can be typed or located by clicking the Browse button. The browse functionality displays directories in the lower left panel. The Contents window in the lower right panel shows the file summary from the currently selected directory.

Note – To proceed to Step 2, a directory must be selected that contains a valid DEPLOY.DAT file, collected by the supported MMP firmware.



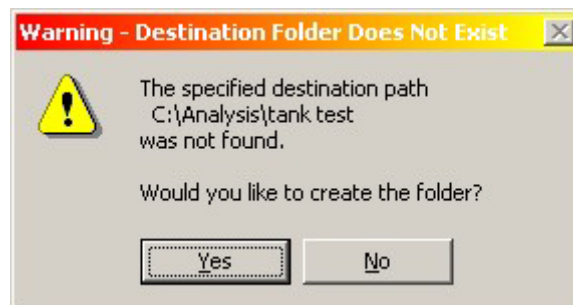
Step 1 Select Folder Location

In Step 2, the Contents window displays any unpacked data files that exist in the selected destination directory. These files may be overwritten during unpacking.



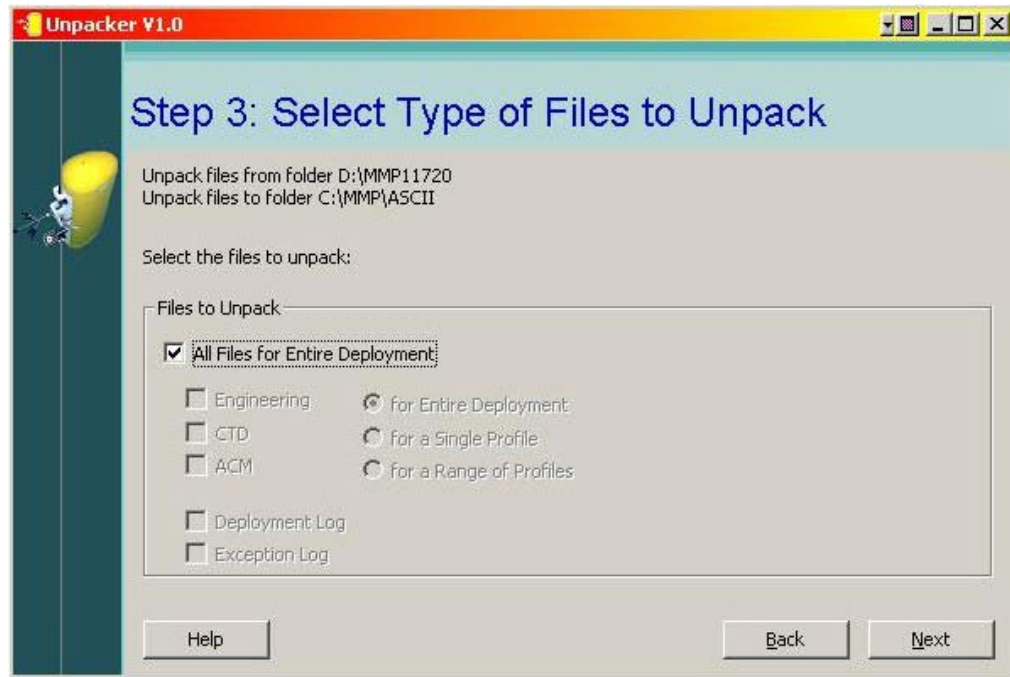
Step 2 Destination Directory Shows Existing Files

If the destination directory does not exist, the Unpacker prompts to create the directory.



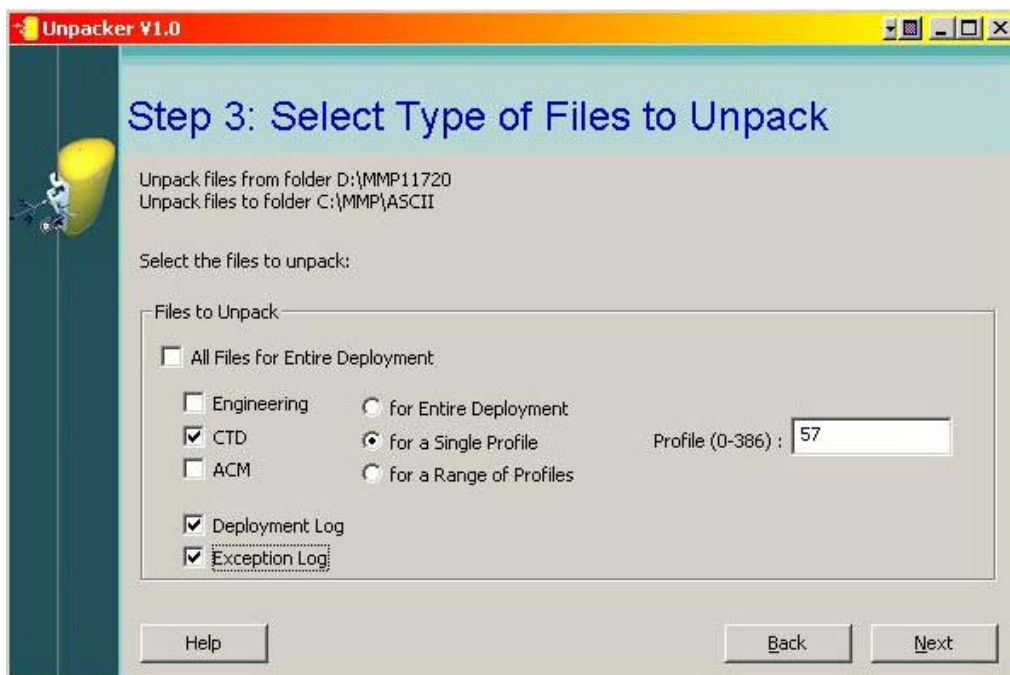
Create New Directory Prompt

- IV. Feature – Convert all files or selected files:** Step 3 selects which types of data files to convert from binary data to ascii text. Checking the “All Files for Entire Deployment” box converts all files during unpacking.



Step 3 Unpack All Files

Uncheck the “All Files for Entire Deployment” box to unlock the other checkboxes. Choose any combination of log files and data files to unpack.



Step 3 Unpack Selected Files

- V. Feature – Convert files with prefix:** Step 4 is an optional feature that attaches a user-defined prefix to the unpacked data files. The prefix uniquely tags each data file so that the unpacked files from multiple deployments can be stored in the same directory and identified easily. In the following example, the first engineering file would be called KN144_E0000000.TXT.



Step 4 Define Output File Prefix

- VI. Feature – Convert files with text headers:** Step 5 is an optional feature. Checking the “Make output files human readable” box, adds text headers to the converted files. The addition of text headers may complicate post processing by programs such as Excel and Matlab.



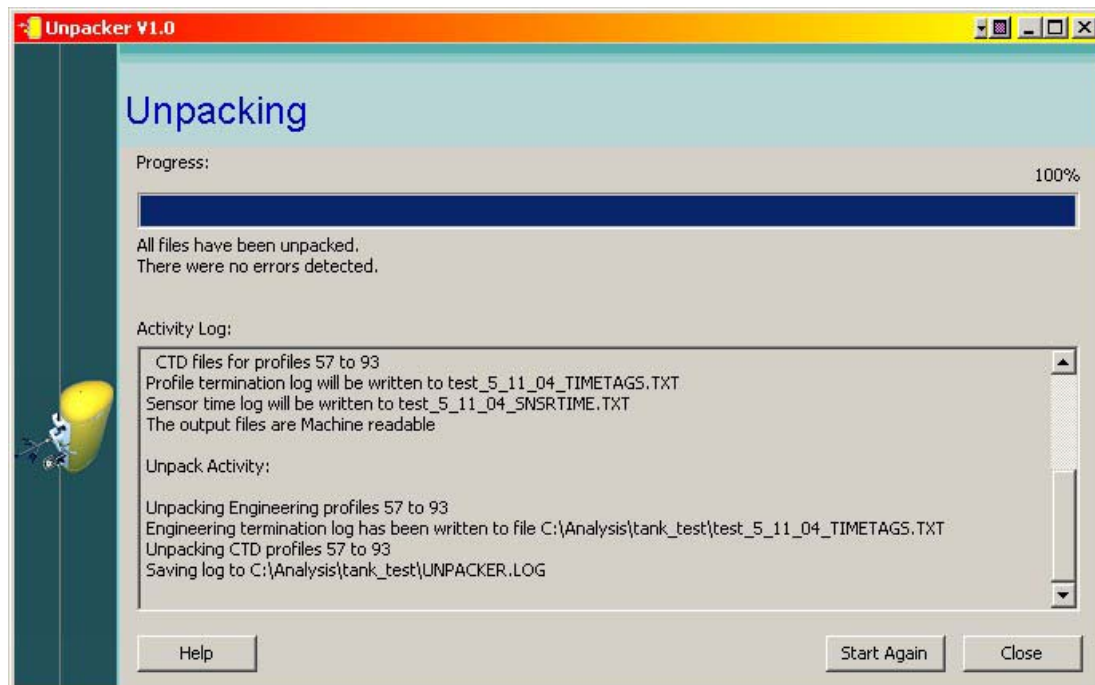
Step 5 Convert Files with Text Headers

VII. Feature – Display unpacking selections: Step 6 displays the unpacking options selected for verification. If the “Show Details” box is checked, additional information is displayed.



Step 6 Display Unpacking Selecting

During the unpacking process, progress is marked and any errors are reported in the Activity Log. In addition, details of the unpacking process are saved in UNPACKER.LOG in the destination directory.



Unpacking Screen



VIII. Additional Functionality – Deployment parameters are written to DEPLOY.TXT file: Previous versions of the Unpacker sent the converted DEPLOY.DAT information to the screen only. In release v1.0, the converted data is written to DEPLOY.TXT and saved in the destination directory.